

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES

LABORATORY ACCREDITATION PROGRAM

Certifies That

68-03503

Enthalpy Analytical, LLC

1941 Reymet Road, Richmond, VA, 23237

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: 10/31/2024

Certificate Number: 009



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

Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 009-002 expiration date 10/31/2024. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Drinking Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
Colilert-18/QT		60002622	E. coli (Enumeration)	2525	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Aluminum	1000	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Barium	1015	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Cadmium	1030	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Calcium	1035	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Chromium	1040	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Copper	1055	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Iron	1070	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Magnesium	1085	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Manganese	1090	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Nickel	1105	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Silver	1150	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Sodium	1155	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Zinc	1190	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Antimony	1005	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Arsenic	1010	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Barium	1015	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Beryllium	1020	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Cadmium	1030	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Chromium	1040	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Copper	1055	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Lead	1075	NELAP	VA	10/24/2019

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TNI Code: TNI01248

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 200.8	5.4	10014605	Manganese	1090	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Nickel	1105	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Selenium	1140	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Silver	1150	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Thallium	1165	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Zinc	1190	NELAP	VA	10/24/2019
EPA 245.1	3.0	10036609	Mercury	1095	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Chloride	1575	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Chlorite	1595	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Fluoride	1730	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Nitrate as N	1810	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Nitrite as N	1840	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Sulfate	2000	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Total nitrate-nitrite	1820	NELAP	VA	10/24/2019
EPA 504.1	1.1	10082801	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	4570	NELAP	VA	10/24/2019
EPA 504.1	1.1	10082801	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Aroclor-1016 (PCB-1016)	8880	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Aroclor-1221 (PCB-1221)	8885	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Aroclor-1232 (PCB-1232)	8890	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Aroclor-1242 (PCB-1242)	8895	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Aroclor-1248 (PCB-1248)	8900	NELAP	VA	10/24/2019

Ammerie Beach

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Enthalpy Analytical, LLC
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(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Drinking Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 508.1	2.0	10086405	Aroclor-1254 (PCB-1254)	8905	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Aroclor-1260 (PCB-1260)	8910	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Chlordane (tech.)	7250	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Endrin	7540	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Heptachlor	7685	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Heptachlor epoxide	7690	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Methoxychlor	7810	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	Toxaphene (Chlorinated camphene)	8250	NELAP	VA	10/24/2019
EPA 508.1	2.0	10086405	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7120	NELAP	VA	10/24/2019
EPA 515.4	1.0	10088503	2,4,5-TP (Silvex)	8650	NELAP	VA	10/24/2019
EPA 515.4	1.0	10088503	2,4-D	8545	NELAP	VA	10/24/2019
EPA 515.4	1.0	10088503	Dalapon (2,2-Dichloropropionic acid)	8555	NELAP	VA	10/24/2019
EPA 515.4	1.0	10088503	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	8620	NELAP	VA	10/24/2019
EPA 515.4	1.0	10088503	Pentachlorophenol (PCP)	6605	NELAP	VA	10/24/2019
EPA 515.4	1.0	10088503	Picloram (4-Amino-3,5,6-trichloro-2-pyridinecarboxylic acid)	8645	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	1,1,1-Trichloroethane	5160	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	1,1,2-Trichloroethane	5165	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	1,1-Dichloroethene (1,1-Dichloroethylene)	4640	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	1,2,4-Trichlorobenzene	5155	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	1,2-Dichloroethane	4635	NELAP	VA	10/24/2019

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TNI Code: TNI01248

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 524.2	4.1	10088809	1,2-Dichloropropane	4655	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Benzene	4375	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Bromodichloromethane	4395	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Bromoform	4400	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Carbon tetrachloride	4455	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Chlorobenzene	4475	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Chloroform	4505	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Dibromochloromethane	4575	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Ethylbenzene	4765	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Methylene chloride (Dichloromethane)	4975	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Styrene	5100	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Tetrachloroethene (PCE, Perchloroethylene)	5115	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Toluene	5140	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Total trihalomethanes (TTHMs)	5205	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Trichloroethene (TCE, Trichloroethylene)	5170	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Vinyl chloride (Chloroethene)	5235	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	Xylenes, total	5260	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	cis-1,2-Dichloroethene	4645	NELAP	VA	10/24/2019
EPA 524.2	4.1	10088809	trans-1,2-Dichloroethene	4700	NELAP	VA	10/24/2019
EPA 525.2	2.0	10090003	Alachlor (Lasso)	7005	NELAP	VA	10/24/2019
EPA 525.2	2.0	10090003	Atrazine	7065	NELAP	VA	10/24/2019

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 525.2	2.0	10090003	Benzo[a]pyrene	5580	NELAP	VA	10/24/2019
EPA 525.2	2.0	10090003	Hexachlorobenzene	6275	NELAP	VA	10/24/2019
EPA 525.2	2.0	10090003	Hexachlorocyclopentadiene	6285	NELAP	VA	10/24/2019
EPA 525.2	2.0	10090003	Simazine	8125	NELAP	VA	10/24/2019
EPA 525.2	2.0	10090003	bis(2-Ethylhexyl) adipate (di(2-Ethylhexyl) adipate)	6062	NELAP	VA	10/24/2019
EPA 525.2	2.0	10090003	bis(2-Ethylhexyl) phthalate (DEHP)	6065	NELAP	VA	10/24/2019
EPA 552.3	1.0	10239608	Bromoacetic acid (Monobromoacetic acid, MBAA)	9312	NELAP	VA	10/24/2019
EPA 552.3	1.0	10239608	Chloroacetic acid (Monochloroacetic acid, MCAA)	9336	NELAP	VA	10/24/2019
EPA 552.3	1.0	10239608	Dibromoacetic acid (DBAA)	9357	NELAP	VA	10/24/2019
EPA 552.3	1.0	10239608	Dichloroacetic acid (DCAA)	9360	NELAP	VA	10/24/2019
EPA 552.3	1.0	10239608	Total haloacetic acids (HAA)	9414	NELAP	VA	10/24/2019
EPA 552.3	1.0	10239608	Trichloroacetic acid (TCAA)	9642	NELAP	VA	10/24/2019
SM 2120B - 2011	22nd ed.	20039014	Color	1605	NELAP	VA	10/24/2019
SM 2130B - 2011	22nd ed.	20042619	Turbidity	2055	NELAP	VA	10/24/2019
SM 2320B - 2011	22nd ed.	20045414	Alkalinity as CaCO ₃	1505	NELAP	VA	10/24/2019
SM 2510B - 2011	22nd ed.	20048413	Conductivity	1610	NELAP	VA	07/12/2023
SM 2540C - 2015	23rd ed.	20050457	Residue, filterable (TDS)	1955	NELAP	VA	07/12/2023
SM 4500-CN- C - 2016	23rd ed.	20095458	Cyanide distillation	1412	NELAP	VA	07/12/2023
SM 4500-CN- E - 2016	23rd ed.	20096224	Total cyanide	1645	NELAP	VA	07/12/2023
SM 4500-H + B - 2011	22nd ed.	20105015	pH	1900	NELAP	VA	10/24/2019
SM 4500-NO ₂ - B - 2011	22nd ed.	20112816	Nitrite as N	1840	NELAP	VA	10/24/2019
SM 4500-NO ₃ - F - 2016	23rd ed.	20116421	Total nitrate-nitrite	1820	NELAP	VA	07/12/2023

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
SM 4500-P E - 2011	22nd ed.	20124010	Orthophosphate as P	1870	NELAP	VA	10/24/2019
SM 5310C - 2014	23rd ed.	20138630	Dissolved organic carbon (DOC)	1710	NELAP	VA	07/12/2023
SM 5310C - 2014	23rd ed.	20138630	Total organic carbon (TOC)	2040	NELAP	VA	07/12/2023
SM 5540C - 2011	22nd ed.	20144814	Surfactants as MBAS	2025	NELAP	VA	10/24/2019
SM 5910B - 2011	22nd ed.	20146218	UV 254	2060	NELAP	VA	10/24/2019
SM 9223 B-2004 (Colilert-18)	22nd ED	20214419	E. coli [RTCR] (P/A)	2525	NELAP	VA	10/24/2019
SM 9223 B-2004 (Colilert-18)	22nd ED	20214419	Total coliforms [RTCR] (P/A)	2500	NELAP	VA	10/24/2019
SM 9223 B-2004 (Colilert-18/QT)	22nd ED	20213610	Total coliform (Enumeration)	2500	NELAP	VA	10/24/2019
SM 9223 B-2004 (Colisure)	22nd ED	20231827	E. coli [RTCR] (P/A)	2525	NELAP	VA	10/24/2019
SM 9223 B-2004 (Colisure)	22nd ED	20231827	Total coliforms [RTCR] (P/A)	2500	NELAP	VA	10/24/2019
SimPlate		60032602	Heterotrophic bacteria (Enumeration)	2555	NELAP	VA	10/24/2019

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1010	B	10234830	Flashpoint	6117	NELAP	VA	05/13/2021
EPA 1311		10118806	Toxicity characteristic leaching procedure (TCLP)	1466	NELAP	VA	10/24/2019
EPA 1312		10119003	Synthetic precipitation leaching procedure (SPLP)	1460	NELAP	VA	10/24/2019
EPA 160.4		10010409	Residue, volatile	1970	NELAP	VA	10/24/2019

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1664	B	10261617	Non-polar material	1853	NELAP	VA	10/24/2019
EPA 1664	B	10261617	Oil and grease	1803	NELAP	VA	10/24/2019
EPA 200.2	2.8	10013204	Metals sample preparation	1424	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Aluminum	1000	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Antimony	1005	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Arsenic	1010	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Barium	1015	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Beryllium	1020	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Boron	1025	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Cadmium	1030	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Calcium	1035	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Chromium	1040	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Cobalt	1050	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Copper	1055	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Iron	1070	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Lead	1075	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Magnesium	1085	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Manganese	1090	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Molybdenum	1100	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Nickel	1105	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Potassium	1125	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Selenium	1140	NELAP	VA	10/24/2019

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EPA 200.7	4.4	10013806	Silica, as SiO ₂	1990	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Silver	1150	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Sodium	1155	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Thallium	1165	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Tin	1175	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Titanium	1180	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Vanadium	1185	NELAP	VA	10/24/2019
EPA 200.7	4.4	10013806	Zinc	1190	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Antimony	1005	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Arsenic	1010	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Barium	1015	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Beryllium	1020	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Cadmium	1030	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Chromium	1040	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Cobalt	1050	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Copper	1055	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Lead	1075	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Manganese	1090	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Molybdenum	1100	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Nickel	1105	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Selenium	1140	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Silver	1150	NELAP	VA	10/24/2019

Ammarie Beach

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 200.8	5.4	10014605	Thallium	1165	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Tin	1175	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Vanadium	1185	NELAP	VA	10/24/2019
EPA 200.8	5.4	10014605	Zinc	1190	NELAP	VA	10/24/2019
EPA 245.1	3.0	10036609	Mercury	1095	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Bromide	1540	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Chloride	1575	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Fluoride	1730	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Nitrate as N	1810	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Nitrite as N	1840	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Sulfate	2000	NELAP	VA	10/24/2019
EPA 300.0	2.1	10053200	Total nitrate-nitrite	1820	NELAP	VA	10/24/2019
EPA 3005	A	10133207	Preconcentration under acid	1438	NELAP	VA	10/24/2019
EPA 3010	A	10133605	Hot plate acid digestion (HNO ₃ + HCl)	1420	NELAP	VA	10/24/2019
EPA 310.2		10055206	Alkalinity as CaCO ₃	1505	NELAP	VA	08/03/2022
EPA 350.1	2.0	10063602	Ammonia as N	1515	NELAP	VA	10/24/2019
EPA 351.2	2.0	10065404	Kjeldahl nitrogen, total (TKN)	1795	NELAP	VA	10/24/2019
EPA 3510	C	10138202	Separatory funnel liquid-liquid extraction	1444	NELAP	VA	10/24/2019
EPA 3511		10279819	Organic compounds in water by microextraction	7538	NELAP	VA	10/24/2019
EPA 3665	A	10148808	Sulfuric acid/permanganate clean-up	1458	NELAP	VA	10/24/2019
EPA 420.1		10079400	Total phenolics	1905	NELAP	VA	10/24/2019
EPA 5030		10153001	Aqueous-phase purge-and-trap	1406	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 6010	D	10155950	Aluminum	1000	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Antimony	1005	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Arsenic	1010	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Barium	1015	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Beryllium	1020	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Boron	1025	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Cadmium	1030	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Calcium	1035	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Chromium	1040	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Cobalt	1050	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Copper	1055	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Iron	1070	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Lead	1075	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Lithium	1080	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Magnesium	1085	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Manganese	1090	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Molybdenum	1100	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Nickel	1105	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Potassium	1125	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Selenium	1140	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Silica, as SiO ₂	1990	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Silver	1150	NELAP	VA	06/29/2020

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DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 6010	D	10155950	Sodium	1155	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Strontium	1160	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Thallium	1165	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Tin	1175	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Titanium	1180	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Vanadium	1185	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Zinc	1190	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Antimony	1005	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Arsenic	1010	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Barium	1015	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Beryllium	1020	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Cadmium	1030	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Chromium	1040	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Cobalt	1050	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Copper	1055	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Lead	1075	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Lithium	1080	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Manganese	1090	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Mercury	1095	NELAP	VA	08/03/2022
EPA 6020	B	10156420	Molybdenum	1100	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Nickel	1105	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Selenium	1140	NELAP	VA	06/29/2020

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1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 6020	B	10156420	Silver	1150	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Thallium	1165	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Tin	1175	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Vanadium	1185	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Zinc	1190	NELAP	VA	06/29/2020
EPA 608.3		10296614	4,4'-DDD	7355	NELAP	VA	10/24/2019
EPA 608.3		10296614	4,4'-DDE	7360	NELAP	VA	10/24/2019
EPA 608.3		10296614	4,4'-DDT	7365	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aldrin (HHDN)	7025	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aroclor-1016 (PCB-1016)	8880	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aroclor-1221 (PCB-1221)	8885	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aroclor-1232 (PCB-1232)	8890	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aroclor-1242 (PCB-1242)	8895	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aroclor-1248 (PCB-1248)	8900	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aroclor-1254 (PCB-1254)	8905	NELAP	VA	10/24/2019
EPA 608.3		10296614	Aroclor-1260 (PCB-1260)	8910	NELAP	VA	10/24/2019
EPA 608.3		10296614	Chlordane (tech.)	7250	NELAP	VA	10/24/2019
EPA 608.3		10296614	Dieldrin	7470	NELAP	VA	10/24/2019
EPA 608.3		10296614	Endosulfan I	7510	NELAP	VA	10/24/2019
EPA 608.3		10296614	Endosulfan II	7515	NELAP	VA	10/24/2019
EPA 608.3		10296614	Endosulfan sulfate	7520	NELAP	VA	10/24/2019
EPA 608.3		10296614	Endrin	7540	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 608.3		10296614	Endrin aldehyde	7530	NELAP	VA	10/24/2019
EPA 608.3		10296614	Heptachlor	7685	NELAP	VA	10/24/2019
EPA 608.3		10296614	Heptachlor epoxide	7690	NELAP	VA	10/24/2019
EPA 608.3		10296614	Methoxychlor	7810	NELAP	VA	10/24/2019
EPA 608.3		10296614	Toxaphene (Chlorinated camphene)	8250	NELAP	VA	10/24/2019
EPA 608.3		10296614	alpha-BHC (alpha-Hexachlorocyclohexane)	7110	NELAP	VA	10/24/2019
EPA 608.3		10296614	beta-BHC (beta-Hexachlorocyclohexane)	7115	NELAP	VA	10/24/2019
EPA 608.3		10296614	delta-BHC (delta-Hexachlorocyclohexane)	7105	NELAP	VA	10/24/2019
EPA 608.3		10296614	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7120	NELAP	VA	10/24/2019
EPA 614		10105201	Azinphos-methyl (Guthion)	7075	NELAP	VA	10/24/2019
EPA 614		10105201	Demeton-O	7395	NELAP	VA	10/24/2019
EPA 614		10105201	Demeton-S	7385	NELAP	VA	10/24/2019
EPA 614		10105201	Diazinon (Spectracide)	7410	NELAP	VA	10/24/2019
EPA 614		10105201	Malathion	7770	NELAP	VA	10/24/2019
EPA 614		10105201	Parathion, ethyl (Ethyl parathion, Parathion)	7955	NELAP	VA	10/24/2019
EPA 615		10105609	2,4,5-TP (Silvex)	8650	NELAP	VA	10/24/2019
EPA 615		10105609	2,4-D	8545	NELAP	VA	10/24/2019
EPA 615		10105609	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	8620	NELAP	VA	10/24/2019
EPA 622		10106806	Azinphos-methyl (Guthion)	7075	NELAP	VA	10/24/2019
EPA 622		10106806	Chlorpyrifos	7300	NELAP	VA	10/24/2019
EPA 622		10106806	Demeton-O	7395	NELAP	VA	10/24/2019
EPA 622		10106806	Demeton-S	7385	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 622		10106806	Diazinon (Spectracide)	7410	NELAP	VA	10/24/2019
EPA 622		10106806	Disulfoton	8625	NELAP	VA	10/24/2019
EPA 622		10106806	Methyl parathion (Parathion, methyl)	7825	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,1,1-Trichloroethane	5160	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,1,2,2-Tetrachloroethane	5110	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,1,2-Trichloroethane	5165	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,1-Dichloroethane	4630	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,1-Dichloroethene (1,1-Dichloroethylene)	4640	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,2-Dichloroethane	4635	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,2-Dichloropropane	4655	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NELAP	VA	10/24/2019
EPA 624.1		10298121	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NELAP	VA	10/24/2019
EPA 624.1		10298121	2-Butanone (Methyl ethyl ketone, MEK)	4410	NELAP	VA	10/24/2019
EPA 624.1		10298121	2-Chloroethyl vinyl ether	4500	NELAP	VA	10/24/2019
EPA 624.1		10298121	4-Methyl-2-pentanone (MIBK)	4995	NELAP	VA	10/24/2019
EPA 624.1		10298121	Acetone	4315	NELAP	VA	10/24/2019
EPA 624.1		10298121	Acrolein (Propenal)	4325	NELAP	VA	10/24/2019
EPA 624.1		10298121	Acrylonitrile	4340	NELAP	VA	10/24/2019
EPA 624.1		10298121	Benzene	4375	NELAP	VA	10/24/2019
EPA 624.1		10298121	Bromodichloromethane	4395	NELAP	VA	10/24/2019
EPA 624.1		10298121	Bromoform	4400	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 624.1		10298121	Carbon tetrachloride	4455	NELAP	VA	10/24/2019
EPA 624.1		10298121	Chlorobenzene	4475	NELAP	VA	10/24/2019
EPA 624.1		10298121	Chloroethane	4485	NELAP	VA	10/24/2019
EPA 624.1		10298121	Chloroform	4505	NELAP	VA	10/24/2019
EPA 624.1		10298121	Dibromochloromethane	4575	NELAP	VA	10/24/2019
EPA 624.1		10298121	Ethyl acetate	4755	NELAP	VA	10/24/2019
EPA 624.1		10298121	Ethylbenzene	4765	NELAP	VA	10/24/2019
EPA 624.1		10298121	Isopropyl acetate	4890	NELAP	VA	10/24/2019
EPA 624.1		10298121	Methyl bromide (Bromomethane)	4950	NELAP	VA	10/24/2019
EPA 624.1		10298121	Methyl chloride (Chloromethane)	4960	NELAP	VA	10/24/2019
EPA 624.1		10298121	Methyl tert-butyl ether (MTBE)	5000	NELAP	VA	10/24/2019
EPA 624.1		10298121	Methylene chloride (Dichloromethane)	4975	NELAP	VA	10/24/2019
EPA 624.1		10298121	Tetrachloroethene (PCE, Perchloroethylene)	5115	NELAP	VA	10/24/2019
EPA 624.1		10298121	Toluene	5140	NELAP	VA	10/24/2019
EPA 624.1		10298121	Trichloroethene (TCE, Trichloroethylene)	5170	NELAP	VA	10/24/2019
EPA 624.1		10298121	Trichlorofluoromethane (Freon 11)	5175	NELAP	VA	10/24/2019
EPA 624.1		10298121	Vinyl chloride (Chloroethene)	5235	NELAP	VA	10/24/2019
EPA 624.1		10298121	Xylenes, total	5260	NELAP	VA	10/24/2019
EPA 624.1		10298121	cis-1,3-Dichloropropene	4680	NELAP	VA	10/24/2019
EPA 624.1		10298121	n-Amyl acetate (n-Pentyl acetate)	4360	NELAP	VA	10/24/2019
EPA 624.1		10298121	trans-1,2-Dichloroethene	4700	NELAP	VA	10/24/2019
EPA 624.1		10298121	trans-1,3-Dichloropropene	4685	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 625.1		10300024	1,2,4-Trichlorobenzene	5155	NELAP	VA	10/24/2019
EPA 625.1		10300024	1,2-Diphenylhydrazine	6220	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	4659	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,3,7,8-TCDD (Dioxin) (screen)	9619	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,4,6-Trichlorophenol	6840	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,4-Dichlorophenol	6000	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,4-Dimethylphenol	6130	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,4-Dinitrophenol	6175	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,4-Dinitrotoluene (2,4-DNT)	6185	NELAP	VA	10/24/2019
EPA 625.1		10300024	2,6-Dinitrotoluene (2,6-DNT)	6190	NELAP	VA	10/24/2019
EPA 625.1		10300024	2-Chloronaphthalene	5795	NELAP	VA	10/24/2019
EPA 625.1		10300024	2-Chlorophenol	5800	NELAP	VA	10/24/2019
EPA 625.1		10300024	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	NELAP	VA	10/24/2019
EPA 625.1		10300024	2-Methylphenol (o-Cresol)	6400	NELAP	VA	10/24/2019
EPA 625.1		10300024	2-Nitrophenol	6490	NELAP	VA	10/24/2019
EPA 625.1		10300024	3+4-Methylphenol (m+p-Cresol)	6412	NELAP	VA	10/24/2019
EPA 625.1		10300024	3,3'-Dichlorobenzidine	5945	NELAP	VA	10/24/2019
EPA 625.1		10300024	4-Bromophenyl phenyl ether	5660	NELAP	VA	10/24/2019
EPA 625.1		10300024	4-Chloro-3-methylphenol	5700	NELAP	VA	10/24/2019
EPA 625.1		10300024	4-Chlorophenyl phenyl ether	5825	NELAP	VA	10/24/2019
EPA 625.1		10300024	4-Nitrophenol	6500	NELAP	VA	10/24/2019

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Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 625.1		10300024	Acenaphthene	5500	NELAP	VA	10/24/2019
EPA 625.1		10300024	Acenaphthylene	5505	NELAP	VA	10/24/2019
EPA 625.1		10300024	Anthracene	5555	NELAP	VA	10/24/2019
EPA 625.1		10300024	Benzydine	5595	NELAP	VA	10/24/2019
EPA 625.1		10300024	Benzo[a]anthracene	5575	NELAP	VA	10/24/2019
EPA 625.1		10300024	Benzo[a]pyrene	5580	NELAP	VA	10/24/2019
EPA 625.1		10300024	Benzo[b]fluoranthene	5585	NELAP	VA	10/24/2019
EPA 625.1		10300024	Benzo[ghi]perylene	5590	NELAP	VA	10/24/2019
EPA 625.1		10300024	Benzo[k]fluoranthene	5600	NELAP	VA	10/24/2019
EPA 625.1		10300024	Benzoic acid	5610	NELAP	VA	10/24/2019
EPA 625.1		10300024	Butyl benzyl phthalate (Benzyl butyl phthalate)	5670	NELAP	VA	10/24/2019
EPA 625.1		10300024	Chrysene (Benzo[a]phenanthrene)	5855	NELAP	VA	10/24/2019
EPA 625.1		10300024	Di-n-butyl phthalate	5925	NELAP	VA	10/24/2019
EPA 625.1		10300024	Di-n-octyl phthalate	6200	NELAP	VA	10/24/2019
EPA 625.1		10300024	Dibenzo[a,h]anthracene	5895	NELAP	VA	10/24/2019
EPA 625.1		10300024	Diethyl phthalate	6070	NELAP	VA	10/24/2019
EPA 625.1		10300024	Dimethyl phthalate	6135	NELAP	VA	10/24/2019
EPA 625.1		10300024	Dinonyl phthalate	6195	NELAP	VA	10/24/2019
EPA 625.1		10300024	Fluoranthene	6265	NELAP	VA	10/24/2019
EPA 625.1		10300024	Fluorene	6270	NELAP	VA	10/24/2019
EPA 625.1		10300024	Hexachlorobenzene	6275	NELAP	VA	10/24/2019
EPA 625.1		10300024	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	4835	NELAP	VA	10/24/2019

Ammarie Beach

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Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 009-002 expiration date 10/31/2024. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 625.1		10300024	Hexachlorocyclopentadiene	6285	NELAP	VA	10/24/2019
EPA 625.1		10300024	Hexachloroethane	4840	NELAP	VA	10/24/2019
EPA 625.1		10300024	Indeno(1,2,3-cd)pyrene	6315	NELAP	VA	10/24/2019
EPA 625.1		10300024	Isophorone	6320	NELAP	VA	10/24/2019
EPA 625.1		10300024	N-Nitrosodi-n-propylamine	6545	NELAP	VA	10/24/2019
EPA 625.1		10300024	N-Nitrosodimethylamine	6530	NELAP	VA	10/24/2019
EPA 625.1		10300024	N-Nitrosodiphenylamine	6535	NELAP	VA	10/24/2019
EPA 625.1		10300024	Naphthalene	5005	NELAP	VA	10/24/2019
EPA 625.1		10300024	Nitrobenzene	5015	NELAP	VA	10/24/2019
EPA 625.1		10300024	Pentachlorophenol (PCP)	6605	NELAP	VA	10/24/2019
EPA 625.1		10300024	Phenanthrene	6615	NELAP	VA	10/24/2019
EPA 625.1		10300024	Phenol	6625	NELAP	VA	10/24/2019
EPA 625.1		10300024	Pyrene	6665	NELAP	VA	10/24/2019
EPA 625.1		10300024	alpha-Terpineol	6700	NELAP	VA	10/24/2019
EPA 625.1		10300024	bis(2-Chloroethoxy)methane	5760	NELAP	VA	10/24/2019
EPA 625.1		10300024	bis(2-Chloroethyl) ether	5765	NELAP	VA	10/24/2019
EPA 625.1		10300024	bis(2-Ethylhexyl) phthalate (DEHP)	6065	NELAP	VA	10/24/2019
EPA 7196	A	10162400	Chromium VI	1045	NELAP	VA	10/24/2019
EPA 7470	A	10165807	Mercury	1095	NELAP	VA	10/24/2019
EPA 8011		10173009	1,2,3-Trichloropropane (1,2,3-TCP)	5180	NELAP	VA	10/24/2019
EPA 8011		10173009	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	4570	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8011		10173009	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	NELAP	VA	10/24/2019
EPA 8015	C	10173816	Diesel-range organics (DRO)	9369	NELAP	VA	10/24/2019
EPA 8015	C	10173816	Gasoline-range organics (GRO)	9408	NELAP	VA	10/24/2019
EPA 8015	C	10173816	Oil-range organics (ORO)	6748	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Benzene	4375	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Ethylbenzene	4765	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Methyl tert-butyl ether (MTBE)	5000	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Naphthalene	5005	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Toluene	5140	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Xylenes, total	5260	NELAP	VA	10/24/2019
EPA 8021	B	10174808	m+p-Xylene	5240	NELAP	VA	10/24/2019
EPA 8021	B	10174808	o-Xylene	5250	NELAP	VA	10/24/2019
EPA 8081	B	10178811	4,4'-DDD	7355	NELAP	VA	10/24/2019
EPA 8081	B	10178811	4,4'-DDE	7360	NELAP	VA	10/24/2019
EPA 8081	B	10178811	4,4'-DDT	7365	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Aldrin (HHDN)	7025	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Chlordane (tech.)	7250	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Dieldrin	7470	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endosulfan I	7510	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endosulfan II	7515	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endosulfan sulfate	7520	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endrin	7540	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8081	B	10178811	Endrin aldehyde	7530	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endrin ketone	7535	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Heptachlor	7685	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Heptachlor epoxide	7690	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Methoxychlor	7810	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Mirex	7870	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Toxaphene (Chlorinated camphene)	8250	NELAP	VA	10/24/2019
EPA 8081	B	10178811	alpha-BHC (alpha-Hexachlorocyclohexane)	7110	NELAP	VA	10/24/2019
EPA 8081	B	10178811	alpha-Chlordane	7240	NELAP	VA	10/24/2019
EPA 8081	B	10178811	beta-BHC (beta-Hexachlorocyclohexane)	7115	NELAP	VA	10/24/2019
EPA 8081	B	10178811	delta-BHC (delta-Hexachlorocyclohexane)	7105	NELAP	VA	10/24/2019
EPA 8081	B	10178811	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7120	NELAP	VA	10/24/2019
EPA 8081	B	10178811	gamma-Chlordane	7245	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1016 (PCB-1016)	8880	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1221 (PCB-1221)	8885	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1232 (PCB-1232)	8890	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1242 (PCB-1242)	8895	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1248 (PCB-1248)	8900	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1254 (PCB-1254)	8905	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1260 (PCB-1260)	8910	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1262 (PCB-1262)	8912	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1268 (PCB-1268)	8913	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8151	A	10183207	2,4,5-T	8655	NELAP	VA	10/24/2019
EPA 8151	A	10183207	2,4,5-TP (Silvex)	8650	NELAP	VA	10/24/2019
EPA 8151	A	10183207	2,4-D	8545	NELAP	VA	10/24/2019
EPA 8151	A	10183207	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	8620	NELAP	VA	10/24/2019
EPA 8151	A	10183207	Pentachlorophenol (PCP)	6605	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,1,2-Tetrachloroethane	5105	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,1-Trichloroethane	5160	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,2,2-Tetrachloroethane	5110	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5185	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,2-Trichloroethane	5165	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1-Dichloroethane	4630	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1-Dichloroethene (1,1-Dichloroethylene)	4640	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1-Dichloropropene	4670	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2,3-Trichlorobenzene	5150	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2,3-Trichloropropane (1,2,3-TCP)	5180	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2,4-Trichlorobenzene	5155	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2,4-Trimethylbenzene	5210	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	4570	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dichloroethane	4635	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	1,2-Dichloropropane	4655	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3,5-Trichlorobenzene	6800	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3,5-Trimethylbenzene	5215	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3-Dichloropropane	4660	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,4-Dioxane (1,4-Diethyleneoxide)	4735	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2,2-Dichloropropane	4665	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Butanone (Methyl ethyl ketone, MEK)	4410	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Chloroethyl vinyl ether	4500	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Chlorotoluene	4535	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Hexanone	4860	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Picoline (2-Methylpyridine)	5050	NELAP	VA	10/24/2019
EPA 8260	D	10307127	4-Chlorotoluene	4540	NELAP	VA	10/24/2019
EPA 8260	D	10307127	4-Methyl-2-pentanone (MIBK)	4995	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Acetone	4315	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Acetonitrile	4320	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Acrolein (Propenal)	4325	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Acrylonitrile	4340	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Allyl chloride (3-Chloropropene)	4355	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Benzene	4375	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Benzyl chloride	5635	NELAP	VA	10/24/2019

Ammerie Beach

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	Bromobenzene	4385	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Bromochloromethane	4390	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Bromodichloromethane	4395	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Bromoform	4400	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Carbon disulfide	4450	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Carbon tetrachloride	4455	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chlorobenzene	4475	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chloroethane	4485	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chloroform	4505	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chloroprene (2-Chloro-1,3-butadiene)	4525	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Cyclohexane	4555	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Cyclohexanone	4560	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dibromochloromethane	4575	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dibromofluoromethane	4590	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dibromomethane	4595	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dichlorodifluoromethane (Freon 12)	4625	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Diethyl ether (Ethyl ether)	4725	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Diisopropyl ether (DIPE)	9375	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethanol	4750	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethyl acetate	4755	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethyl methacrylate	4810	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethyl tert-butyl ether (ETBE)	4770	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	Ethylbenzene	4765	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethylene oxide	4795	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	4835	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Iodomethane (Methyl iodide)	4870	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Isobutyl alcohol (2-Methyl-1-propanol)	4875	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Isopropyl acetate	4890	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Isopropyl alcohol (2-Propanol)	4895	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Isopropylbenzene (Cumene)	4900	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methacrylonitrile	4925	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methyl acetate	4940	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methyl bromide (Bromomethane)	4950	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methyl chloride (Chloromethane)	4960	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methyl tert-butyl ether (MTBE)	5000	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methylcyclohexane	4965	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methylene chloride (Dichloromethane)	4975	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methylmethacrylate	4990	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Naphthalene	5005	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Pentachloroethane	5035	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Pentafluorobenzene	5040	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Propionitrile (Ethyl cyanide)	5080	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Styrene	5100	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Tetrachloroethene (PCE, Perchloroethylene)	5115	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	Toluene	5140	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Trichloroethene (TCE, Trichloroethylene)	5170	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Trichlorofluoromethane (Freon 11)	5175	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Vinyl acetate	5225	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Vinyl chloride (Chloroethene)	5235	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Xylenes, total	5260	NELAP	VA	10/24/2019
EPA 8260	D	10307127	cis-1,2-Dichloroethene	4645	NELAP	VA	10/24/2019
EPA 8260	D	10307127	cis-1,3-Dichloropropene	4680	NELAP	VA	10/24/2019
EPA 8260	D	10307127	cis-1,4-Dichloro-2-butene	4600	NELAP	VA	10/24/2019
EPA 8260	D	10307127	m+p-Xylene	5240	NELAP	VA	10/24/2019
EPA 8260	D	10307127	n-Butylbenzene	4435	NELAP	VA	10/24/2019
EPA 8260	D	10307127	n-Hexane	4855	NELAP	VA	10/24/2019
EPA 8260	D	10307127	n-Propylbenzene	5090	NELAP	VA	10/24/2019
EPA 8260	D	10307127	o-Xylene	5250	NELAP	VA	10/24/2019
EPA 8260	D	10307127	p-Isopropyltoluene (4-Isopropyltoluene)	4910	NELAP	VA	10/24/2019
EPA 8260	D	10307127	sec-Butylbenzene	4440	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Amyl alcohol (2-Methyl-2-butanol)	4368	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Amyl ethyl ether (TAEE)	4369	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Amyl methyl ether (TAME)	4370	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Butyl alcohol (2-Methyl-2-propanol)	4420	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Butylbenzene	4445	NELAP	VA	10/24/2019
EPA 8260	D	10307127	trans-1,2-Dichloroethene	4700	NELAP	VA	10/24/2019

Ammerie Beach

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Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 009-002 expiration date 10/31/2024. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	trans-1,3-Dichloropropene	4685	NELAP	VA	10/24/2019
EPA 8260	D	10307127	trans-1,4-Dichloro-2-butene	4605	NELAP	VA	10/24/2019
EPA 8260 SIM	D	10307138	1,4-Dioxane (1,4-Diethyleneoxide)	4735	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,1'-Biphenyl (Biphenyl, Lemonene)	6703	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2,4,5-Tetrachlorobenzene	6715	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2,4-Trichlorobenzene	5155	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	4570	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2-Dinitrobenzene (1,2-DNB)	6155	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2-Diphenylhydrazine	6220	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,3,5-Trinitrobenzene (1,3,5-TNB)	6885	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,3-Dinitrobenzene (1,3-DNB)	6160	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Dinitrobenzene (1,4-DNB)	6165	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Naphthoquinone	6420	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Phenylenediamine	6630	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1-Chloronaphthalene	5790	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1-Methylnaphthalene	6380	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1-Naphthylamine (alpha-Naphthylamine)	6425	NELAP	VA	10/24/2019

Ammerie Beach

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	4659	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,3,4,6-Tetrachlorophenol	6735	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4,5-Trichlorophenol	6835	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4,6-Trichlorophenol	6840	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4-Dichlorophenol	6000	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4-Dimethylphenol	6130	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4-Dinitrophenol	6175	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4-Dinitrotoluene (2,4-DNT)	6185	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,6-Dichlorophenol	6005	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,6-Dinitrotoluene (2,6-DNT)	6190	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Acetylaminofluorene	5515	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Chloronaphthalene	5795	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Chlorophenol	5800	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Methylnaphthalene	6385	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Methylphenol (o-Cresol)	6400	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Naphthylamine (beta-Naphthylamine)	6430	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Nitroaniline	6460	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Nitrophenol	6490	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Picoline (2-Methylpyridine)	5050	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3+4-Methylphenol (m+p-Cresol)	6412	NELAP	VA	10/24/2019

Ammerie Beach

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	3,3'-Dichlorobenzidine	5945	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3,3'-Dimethylbenzidine	6120	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3-Methylcholanthrene	6355	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3-Nitroaniline	6465	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4,4'-Methylenebis(2-chloroaniline)	6365	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4,4'-Methylenebis(N N-dimethylaniline)	6370	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Aminobiphenyl	5540	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Bromophenyl phenyl ether	5660	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Chloro-3-methylphenol	5700	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Chloroaniline	5745	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Chlorophenyl phenyl ether	5825	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	6105	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Nitroaniline	6470	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Nitrophenol	6500	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Nitroquinoline-1-oxide	6510	NELAP	VA	10/24/2019
EPA 8270	E	10242543	5-Nitro-o-toluidine	6570	NELAP	VA	10/24/2019
EPA 8270	E	10242543	7,12-Dimethylbenz(a)anthracene	6115	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Acenaphthene	5500	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Acenaphthylene	5505	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Acetophenone	5510	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Aniline	5545	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	Anthracene	5555	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Aramite	5560	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Atrazine	7065	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Azinphos-methyl (Guthion)	7075	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Azobenzene	5562	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzaldehyde	5570	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzidine	5595	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[a]anthracene	5575	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[a]pyrene	5580	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[b]fluoranthene	5585	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[ghi]perylene	5590	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[k]fluoranthene	5600	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzoic acid	5610	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzyl alcohol	5630	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Butyl benzyl phthalate (Benzyl butyl phthalate)	5670	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Caprolactam	7180	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Carbazole	5680	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Chlorobenzilate	7260	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Chrysene (Benzo[a]phenanthrene)	5855	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Di-n-butyl phthalate	5925	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Di-n-octyl phthalate	6200	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Diallate (cis or trans)	7405	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	Dibenz[a,j]acridine	5900	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dibenzo[a,h]anthracene	5895	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dibenzofuran	5905	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Diethyl phthalate	6070	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dimethoate	7475	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dimethyl phthalate	6135	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dinonyl phthalate	6195	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	8620	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Diphenylamine	6205	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Disulfoton	8625	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Ethyl methanesulfonate	6260	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Famphur	7580	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Fluoranthene	6265	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Fluorene	6270	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorobenzene	6275	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	4835	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorocyclopentadiene	6285	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachloroethane	4840	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorophene	6290	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachloropropene	6295	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Indeno(1,2,3-cd)pyrene	6315	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Isodrin	7725	NELAP	VA	10/24/2019

Ammerie Beach

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	Isophorone	6320	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Isosafrole	6325	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Kepone	7740	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Malathion	7770	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Methapyrilene	6345	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Methyl methanesulfonate	6375	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Methyl parathion (Parathion, methyl)	7825	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodi-n-butylamine	5025	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodi-n-propylamine	6545	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodiethylamine	6525	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodimethylamine	6530	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodiphenylamine	6535	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosomethylethylamine	6550	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosomorpholine	6555	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosopiperidine	6560	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosopyrrolidine	6565	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Naphthalene	5005	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Nicotine	6450	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Nitrobenzene	5015	NELAP	VA	10/24/2019
EPA 8270	E	10242543	O,O,O-Triethyl phosphorothioate	8290	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Parathion, ethyl (Ethyl parathion, Parathion)	7955	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pentachlorobenzene	6590	NELAP	VA	10/24/2019

Ammerie Beach

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	Pentachloronitrobenzene (PCNB)	6600	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pentachlorophenol (PCP)	6605	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phenacetin	6610	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phenanthrene	6615	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phenol	6625	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phorate (Thimet)	7985	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pronamide (Kerb)	6650	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pyrene	6665	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pyridine	5095	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Safrole	6685	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Thionazine (Thionazin, Zinophos)	8235	NELAP	VA	10/24/2019
EPA 8270	E	10242543	a,a-Dimethylphenethylamine (Phentermine)	6125	NELAP	VA	10/24/2019
EPA 8270	E	10242543	bis(2-Chloroethoxy)methane	5760	NELAP	VA	10/24/2019
EPA 8270	E	10242543	bis(2-Chloroethyl) ether	5765	NELAP	VA	10/24/2019
EPA 8270	E	10242543	bis(2-Ethylhexyl) phthalate (DEHP)	6065	NELAP	VA	10/24/2019
EPA 8270	E	10242543	o-Toluidine (2-Toluidine, 2-Methylaniline)	5145	NELAP	VA	10/24/2019
EPA 9012	B	10243228	Total cyanide	1645	NELAP	VA	10/24/2019
EPA 9020	B	10194408	Total organic halides (TOX)	2045	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Bromide	1540	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Chloride	1575	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Fluoride	1730	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Nitrate as N	1810	NELAP	VA	10/24/2019

Ammerie Beach

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 9056	A	10199607	Nitrite as N	1840	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Sulfate	2000	NELAP	VA	10/24/2019
EPA 9060	A	10244823	Total organic carbon (TOC)	2040	NELAP	VA	10/24/2019
EPA 9065		10200405	Total phenolics	1905	NELAP	VA	10/24/2019
EPA 9215		10206607	Sulfide	2005	NELAP	VA	10/24/2019
RSK-175		10212905	Ethane	4747	NELAP	VA	10/24/2019
RSK-175		10212905	Ethene	4752	NELAP	VA	10/24/2019
RSK-175		10212905	Methane	4926	NELAP	VA	10/24/2019
SM 2130B - 2011	22nd ed.	20042619	Turbidity	2055	NELAP	VA	10/24/2019
SM 2310B - 2011	22nd ed.	20044411	Acidity as CaCO ₃	1500	NELAP	VA	10/24/2019
SM 2320B - 2011	22nd ed.	20045414	Alkalinity as CaCO ₃	1505	NELAP	VA	10/24/2019
SM 2510B - 2011	22nd ed.	20048413	Conductivity	1610	NELAP	VA	10/24/2019
SM 2540B - 2015	23rd ed.	20048684	Residue, total	1950	NELAP	VA	07/12/2023
SM 2540C - 2015	23rd ed.	20050457	Residue, filterable (TDS)	1955	NELAP	VA	07/12/2023
SM 2540D - 2015	23rd ed.	20050446	Residue, nonfilterable (TSS)	1960	NELAP	VA	07/12/2023
SM 2540F - 2015	23rd ed.	20051621	Residue, settleable	1965	NELAP	VA	07/12/2023
SM 3500-Cr B - 2011	22nd ed.	20066017	Chromium VI	1045	NELAP	VA	10/24/2019
SM 4500-CN- C - 2016	23rd ed.	20095458	Cyanide distillation	1412	NELAP	VA	07/12/2023
SM 4500-CN- E - 2016	23rd ed.	20096224	Total cyanide	1645	NELAP	VA	07/12/2023
SM 4500-NH ₃ H - 2011	22nd ed.	20112010	Ammonia as N	1515	NELAP	VA	08/03/2022
SM 4500-NO ₂ - B - 2011	22nd ed.	20112816	Nitrite as N	1840	NELAP	VA	10/24/2019
SM 4500-NO ₃ - F - 2016	23rd ed.	20116421	Nitrate as N	1810	NELAP	VA	07/12/2023

Ammerie Beach

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
SM 4500-NO3- F - 2016	23rd ed.	20116421	Total nitrate-nitrite	1820	NELAP	VA	07/12/2023
SM 4500-P B - 2011	22nd ed.	20123211	Preliminary treatment of phosphate samples	1479	NELAP	VA	10/24/2019
SM 4500-P E - 2011	22nd ed.	20124010	Orthophosphate as P	1870	NELAP	VA	10/24/2019
SM 4500-P E - 2011	22nd ed.	20124010	Phosphorus, total	1910	NELAP	VA	10/24/2019
SM 4500-S2- F - 2011	22nd ed.	20126414	Sulfide	2005	NELAP	VA	10/24/2019
SM 5210B - 2016	23rd ed.	20135028	Biochemical oxygen demand (BOD)	1530	NELAP	VA	07/12/2023
SM 5210B - 2016	23rd ed.	20135028	Carbonaceous BOD (CBOD)	1555	NELAP	VA	07/12/2023
SM 5220D - 2011	22nd ed.	20136612	Chemical oxygen demand (COD)	1565	NELAP	VA	10/24/2019
SM 5310C - 2014	23rd ed.	20138630	Total organic carbon (TOC)	2040	NELAP	VA	07/12/2023
SM 5540C - 2011	22nd ed.	20144814	Surfactants as MBAS	2025	NELAP	VA	10/24/2019

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1010	B	10234830	Flashpoint	6117	NELAP	PA	05/13/2021
EPA 1311		10118806	Toxicity characteristic leaching procedure (TCLP)	1466	NELAP	VA	10/24/2019
EPA 1312		10119003	Synthetic precipitation leaching procedure (SPLP)	1460	NELAP	VA	10/24/2019
EPA 3050	B	10135601	Acid digestion of solids	1400	NELAP	VA	10/24/2019
EPA 3060	A	10136604	Alkaline digestion of Cr(VI)	1402	NELAP	VA	10/24/2019
EPA 350.1	2.0	10063602	Ammonia as N	1515	NELAP	VA	10/24/2019
EPA 351.2	2.0	10065404	Kjeldahl nitrogen, total (TKN)	1795	NELAP	VA	10/24/2019

Ammerie Beach

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 3550	C	10142004	Ultrasonic extraction	1468	NELAP	VA	10/24/2019
EPA 3580	A	10143007	Waste dilution	1470	NELAP	VA	10/24/2019
EPA 3585		10143201	Waste dilution for VOCs	1472	NELAP	VA	10/24/2019
EPA 3665	A	10148808	Sulfuric acid/permanganate clean-up	1458	NELAP	VA	10/24/2019
EPA 5035		10154004	Closed-system purge-and-trap (bisulfate option)	1390	NELAP	VA	10/24/2019
EPA 5035		10154004	Closed-system purge-and-trap (methanol option)	1392	NELAP	VA	10/24/2019
EPA 5035		10154004	Closed-system purge-and-trap (unpreserved)	1393	NELAP	VA	10/24/2019
EPA 6010	D	10155950	Aluminum	1000	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Antimony	1005	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Arsenic	1010	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Barium	1015	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Beryllium	1020	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Boron	1025	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Cadmium	1030	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Calcium	1035	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Chromium	1040	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Cobalt	1050	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Copper	1055	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Iron	1070	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Lead	1075	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Magnesium	1085	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Manganese	1090	NELAP	VA	06/29/2020

Ammerie Beach

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 6010	D	10155950	Molybdenum	1100	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Nickel	1105	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Potassium	1125	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Selenium	1140	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Silica, as SiO ₂	1990	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Silver	1150	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Sodium	1155	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Strontium	1160	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Thallium	1165	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Tin	1175	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Titanium	1180	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Vanadium	1185	NELAP	VA	06/29/2020
EPA 6010	D	10155950	Zinc	1190	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Antimony	1005	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Arsenic	1010	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Barium	1015	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Beryllium	1020	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Cadmium	1030	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Chromium	1040	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Cobalt	1050	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Copper	1055	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Lead	1075	NELAP	VA	06/29/2020

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 6020	B	10156420	Manganese	1090	NELAP	VA	11/07/2022
EPA 6020	B	10156420	Molybdenum	1100	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Nickel	1105	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Selenium	1140	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Silver	1150	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Thallium	1165	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Vanadium	1185	NELAP	VA	06/29/2020
EPA 6020	B	10156420	Zinc	1190	NELAP	VA	06/29/2020
EPA 7196	A	10162400	Chromium VI	1045	NELAP	VA	10/24/2019
EPA 7471	B	10166457	Mercury	1095	NELAP	VA	10/24/2019
EPA 8015	C	10173816	Diesel-range organics (DRO)	9369	NELAP	VA	10/24/2019
EPA 8015	C	10173816	Gasoline-range organics (GRO)	9408	NELAP	VA	10/24/2019
EPA 8015	C	10173816	Oil-range organics (ORO)	6748	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Benzene	4375	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Ethylbenzene	4765	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Methyl tert-butyl ether (MTBE)	5000	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Naphthalene	5005	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Toluene	5140	NELAP	VA	10/24/2019
EPA 8021	B	10174808	Xylenes, total	5260	NELAP	VA	10/24/2019
EPA 8021	B	10174808	m+p-Xylene	5240	NELAP	VA	10/24/2019
EPA 8021	B	10174808	o-Xylene	5250	NELAP	VA	10/24/2019
EPA 8081	B	10178811	4,4'-DDD	7355	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8081	B	10178811	4,4'-DDE	7360	NELAP	VA	10/24/2019
EPA 8081	B	10178811	4,4'-DDT	7365	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Aldrin (HHDN)	7025	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Chlordane (tech.)	7250	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Dieldrin	7470	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endosulfan I	7510	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endosulfan II	7515	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endosulfan sulfate	7520	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endrin	7540	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endrin aldehyde	7530	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Endrin ketone	7535	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Heptachlor	7685	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Heptachlor epoxide	7690	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Methoxychlor	7810	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Mirex	7870	NELAP	VA	10/24/2019
EPA 8081	B	10178811	Toxaphene (Chlorinated camphene)	8250	NELAP	VA	10/24/2019
EPA 8081	B	10178811	alpha-BHC (alpha-Hexachlorocyclohexane)	7110	NELAP	VA	10/24/2019
EPA 8081	B	10178811	alpha-Chlordane	7240	NELAP	VA	10/24/2019
EPA 8081	B	10178811	beta-BHC (beta-Hexachlorocyclohexane)	7115	NELAP	VA	10/24/2019
EPA 8081	B	10178811	delta-BHC (delta-Hexachlorocyclohexane)	7105	NELAP	VA	10/24/2019
EPA 8081	B	10178811	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7120	NELAP	VA	10/24/2019
EPA 8081	B	10178811	gamma-Chlordane	7245	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8082	A	10179201	Aroclor-1016 (PCB-1016)	8880	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1221 (PCB-1221)	8885	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1232 (PCB-1232)	8890	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1242 (PCB-1242)	8895	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1248 (PCB-1248)	8900	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1254 (PCB-1254)	8905	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1260 (PCB-1260)	8910	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1262 (PCB-1262)	8912	NELAP	VA	10/24/2019
EPA 8082	A	10179201	Aroclor-1268 (PCB-1268)	8913	NELAP	VA	10/24/2019
EPA 8151	A	10183207	2,4,5-T	8655	NELAP	VA	10/24/2019
EPA 8151	A	10183207	2,4,5-TP (Silvex)	8650	NELAP	VA	10/24/2019
EPA 8151	A	10183207	2,4-D	8545	NELAP	VA	11/07/2022
EPA 8151	A	10183207	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	8620	NELAP	VA	10/24/2019
EPA 8151	A	10183207	Pentachlorophenol (PCP)	6605	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,1,2-Tetrachloroethane	5105	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,1-Trichloroethane	5160	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,2,2-Tetrachloroethane	5110	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5185	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1,2-Trichloroethane	5165	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1-Dichloroethane	4630	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1-Dichloroethene (1,1-Dichloroethylene)	4640	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,1-Dichloropropene	4670	NELAP	VA	10/24/2019

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1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	1,2,3-Trichlorobenzene	5150	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2,3-Trichloropropane (1,2,3-TCP)	5180	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2,4-Trichlorobenzene	5155	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2,4-Trimethylbenzene	5210	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	4570	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dichloroethane	4635	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,2-Dichloropropane	4655	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3,5-Trichlorobenzene	6800	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3,5-Trimethylbenzene	5215	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,3-Dichloropropane	4660	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NELAP	VA	10/24/2019
EPA 8260	D	10307127	1,4-Dioxane (1,4-Diethyleneoxide)	4735	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2,2-Dichloropropane	4665	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Butanone (Methyl ethyl ketone, MEK)	4410	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Chlorotoluene	4535	NELAP	VA	10/24/2019
EPA 8260	D	10307127	2-Hexanone	4860	NELAP	VA	10/24/2019
EPA 8260	D	10307127	4-Chlorotoluene	4540	NELAP	VA	10/24/2019
EPA 8260	D	10307127	4-Methyl-2-pentanone (MIBK)	4995	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	Acetone	4315	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Acetonitrile	4320	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Acrolein (Propenal)	4325	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Acrylonitrile	4340	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Allyl chloride (3-Chloropropene)	4355	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Benzene	4375	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Bromobenzene	4385	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Bromochloromethane	4390	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Bromodichloromethane	4395	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Bromoform	4400	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Carbon disulfide	4450	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Carbon tetrachloride	4455	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chlorobenzene	4475	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chloroethane	4485	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chloroform	4505	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Chloroprene (2-Chloro-1,3-butadiene)	4525	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Cyclohexane	4555	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Cyclohexanone	4560	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dibromochloromethane	4575	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dibromofluoromethane	4590	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dibromomethane	4595	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Dichlorodifluoromethane (Freon 12)	4625	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 009-002 expiration date 10/31/2024. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	Diisopropyl ether (DIPE)	9375	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethanol	4750	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethyl methacrylate	4810	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethyl tert-butyl ether (ETBE)	4770	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Ethylbenzene	4765	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	4835	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Iodomethane (Methyl iodide)	4870	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Isobutyl alcohol (2-Methyl-1-propanol)	4875	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Isopropyl acetate	4890	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Isopropylbenzene (Cumene)	4900	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methacrylonitrile	4925	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methyl bromide (Bromomethane)	4950	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methyl chloride (Chloromethane)	4960	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methyl tert-butyl ether (MTBE)	5000	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methylcyclohexane	4965	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methylene chloride (Dichloromethane)	4975	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Methylmethacrylate	4990	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Naphthalene	5005	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Pentachloroethane	5035	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Pentafluorobenzene	5040	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Propionitrile (Ethyl cyanide)	5080	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Styrene	5100	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	Tetrachloroethene (PCE, Perchloroethylene)	5115	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Toluene	5140	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Trichloroethene (TCE, Trichloroethylene)	5170	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Trichlorofluoromethane (Freon 11)	5175	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Vinyl acetate	5225	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Vinyl chloride (Chloroethene)	5235	NELAP	VA	10/24/2019
EPA 8260	D	10307127	Xylenes, total	5260	NELAP	VA	10/24/2019
EPA 8260	D	10307127	cis-1,2-Dichloroethene	4645	NELAP	VA	10/24/2019
EPA 8260	D	10307127	cis-1,3-Dichloropropene	4680	NELAP	VA	10/24/2019
EPA 8260	D	10307127	m+p-Xylene	5240	NELAP	VA	10/24/2019
EPA 8260	D	10307127	n-Butylbenzene	4435	NELAP	VA	10/24/2019
EPA 8260	D	10307127	n-Hexane	4855	NELAP	VA	10/24/2019
EPA 8260	D	10307127	n-Propylbenzene	5090	NELAP	VA	10/24/2019
EPA 8260	D	10307127	o-Xylene	5250	NELAP	VA	10/24/2019
EPA 8260	D	10307127	p-Isopropyltoluene (4-Isopropyltoluene)	4910	NELAP	VA	10/24/2019
EPA 8260	D	10307127	sec-Butylbenzene	4440	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Amyl alcohol (2-Methyl-2-butanol)	4368	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Amyl ethyl ether (TAE)	4369	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Amyl methyl ether (TAME)	4370	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Butyl alcohol (2-Methyl-2-propanol)	4420	NELAP	VA	10/24/2019
EPA 8260	D	10307127	tert-Butylbenzene	4445	NELAP	VA	10/24/2019
EPA 8260	D	10307127	trans-1,2-Dichloroethene	4700	NELAP	VA	10/24/2019

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Laboratory Scope of Accreditation



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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8260	D	10307127	trans-1,3-Dichloropropene	4685	NELAP	VA	10/24/2019
EPA 8260	D	10307127	trans-1,4-Dichloro-2-butene	4605	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2,4,5-Tetrachlorobenzene	6715	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2,4-Trichlorobenzene	5155	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,2-Dinitrobenzene (1,2-DNB)	6155	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,3,5-Trinitrobenzene (1,3,5-TNB)	6885	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,3-Dinitrobenzene (1,3-DNB)	6160	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Dinitrobenzene (1,4-DNB)	6165	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Naphthoquinone	6420	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1,4-Phenylenediamine	6630	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1-Chloronaphthalene	5790	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1-Methylnaphthalene	6380	NELAP	VA	10/24/2019
EPA 8270	E	10242543	1-Naphthylamine (alpha-Naphthylamine)	6425	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	4659	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,3,4,6-Tetrachlorophenol	6735	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4,5-Trichlorophenol	6835	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4,5-Trimethylaniline	6880	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4,6-Trichlorophenol	6840	NELAP	VA	10/24/2019

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1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	2,4-Dichlorophenol	6000	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4-Dimethylphenol	6130	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4-Dinitrophenol	6175	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,4-Dinitrotoluene (2,4-DNT)	6185	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,6-Dichlorophenol	6005	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2,6-Dinitrotoluene (2,6-DNT)	6190	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Acetylaminofluorene	5515	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Chloronaphthalene	5795	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Chlorophenol	5800	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Methylnaphthalene	6385	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Methylphenol (o-Cresol)	6400	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Naphthylamine (beta-Naphthylamine)	6430	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Nitroaniline	6460	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Nitrophenol	6490	NELAP	VA	10/24/2019
EPA 8270	E	10242543	2-Picoline (2-Methylpyridine)	5050	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3+4-Methylphenol (m+p-Cresol)	6412	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3,3'-Dichlorobenzidine	5945	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3,3'-Dimethylbenzidine	6120	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3-Methylcholanthrene	6355	NELAP	VA	10/24/2019
EPA 8270	E	10242543	3-Nitroaniline	6465	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4,4'-Methylenebis(2-chloroaniline)	6365	NELAP	VA	10/24/2019

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Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	4-Aminobiphenyl	5540	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Bromophenyl phenyl ether	5660	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Chloro-3-methylphenol	5700	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Chloroaniline	5745	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Chlorophenyl phenyl ether	5825	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	6105	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Nitroaniline	6470	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Nitrophenol	6500	NELAP	VA	10/24/2019
EPA 8270	E	10242543	4-Nitroquinoline-1-oxide	6510	NELAP	VA	10/24/2019
EPA 8270	E	10242543	5-Nitro-o-toluidine	6570	NELAP	VA	10/24/2019
EPA 8270	E	10242543	7,12-Dimethylbenz(a)anthracene	6115	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Acenaphthene	5500	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Acenaphthylene	5505	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Acetophenone	5510	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Aminoazobenzene	5535	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Aniline	5545	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Anthracene	5555	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Aramite	5560	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Azinphos-methyl (Guthion)	7075	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Azobenzene	5562	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzidine	5595	NELAP	VA	10/24/2019

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1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	Benzo[a]anthracene	5575	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[a]pyrene	5580	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[b]fluoranthene	5585	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[ghi]perylene	5590	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzo[k]fluoranthene	5600	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzoic acid	5610	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Benzyl alcohol	5630	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Butyl benzyl phthalate (Benzyl butyl phthalate)	5670	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Carbazole	5680	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Carbofuran (Furaden)	7205	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Chlorobenzilate	7260	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Chrysene (Benzo[a]phenanthrene)	5855	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Di-n-butyl phthalate	5925	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Di-n-octyl phthalate	6200	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Diallate (cis or trans)	7405	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dibenz[a,i]acridine	5900	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dibenzo[a,h]anthracene	5895	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dibenzofuran	5905	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Diethyl phthalate	6070	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dimethoate	7475	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Dimethyl phthalate	6135	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Diphenylamine	6205	NELAP	VA	10/24/2019

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1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	Disulfoton	8625	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Ethyl methanesulfonate	6260	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Famphur	7580	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Fluoranthene	6265	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Fluorene	6270	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorobenzene	6275	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	4835	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorocyclopentadiene	6285	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachloroethane	4840	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachlorophene	6290	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Hexachloropropene	6295	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Indeno(1,2,3-cd)pyrene	6315	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Isodrin	7725	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Isophorone	6320	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Isosafrole	6325	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Kepone	7740	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Malathion	7770	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Methapyrilene	6345	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Methyl methanesulfonate	6375	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Methyl parathion (Parathion, methyl)	7825	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodi-n-butylamine	5025	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodi-n-propylamine	6545	NELAP	VA	10/24/2019

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DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	N-Nitrosodiethylamine	6525	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodimethylamine	6530	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosodiphenylamine	6535	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosomethylethylamine	6550	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosomorpholine	6555	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosopiperidine	6560	NELAP	VA	10/24/2019
EPA 8270	E	10242543	N-Nitrosopyrrolidine	6565	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Naphthalene	5005	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Nicotine	6450	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Nitrobenzene	5015	NELAP	VA	10/24/2019
EPA 8270	E	10242543	O,O,O-Triethyl phosphorothioate	8290	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Parathion, ethyl (Ethyl parathion, Parathion)	7955	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pentachlorobenzene	6590	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pentachlorophenol (PCP)	6605	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phenacetin	6610	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phenanthrene	6615	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phenol	6625	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Phorate (Thimet)	7985	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pronamide (Kerb)	6650	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pyrene	6665	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Pyridine	5095	NELAP	VA	10/24/2019
EPA 8270	E	10242543	Safrole	6685	NELAP	VA	10/24/2019

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DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8270	E	10242543	Thionazine (Thionazin, Zinophos)	8235	NELAP	VA	10/24/2019
EPA 8270	E	10242543	bis(2-Chloroethoxy)methane	5760	NELAP	VA	10/24/2019
EPA 8270	E	10242543	bis(2-Chloroethyl) ether	5765	NELAP	VA	10/24/2019
EPA 8270	E	10242543	bis(2-Ethylhexyl) phthalate (DEHP)	6065	NELAP	VA	10/24/2019
EPA 8270	E	10242543	o-Toluidine (2-Toluidine, 2-Methylaniline)	5145	NELAP	VA	10/24/2019
EPA 9012	B	10243228	Total cyanide	1645	NELAP	VA	10/24/2019
EPA 9020	B	10194408	Total organic halides (TOX)	2045	NELAP	VA	10/24/2019
EPA 9023		10195003	Extractable organic halides (EOX)	1720	NELAP	VA	10/24/2019
EPA 9045	C	10198400	Corrosivity (pH)	1625	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Bromide	1540	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Chloride	1575	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Fluoride	1730	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Nitrate as N	1810	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Nitrite as N	1840	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Orthophosphate as P	1870	NELAP	VA	10/24/2019
EPA 9056	A	10199607	Sulfate	2000	NELAP	VA	10/24/2019
EPA 9060	A	10244823	Total organic carbon (TOC)	2040	NELAP	VA	10/24/2019
EPA 9065		10200405	Total phenolics	1905	NELAP	VA	10/24/2019
EPA 9095	B	10245600	Paint filter liquids test	1434	NELAP	VA	10/24/2019
SM 2320B - 2011	22nd ed.	20045414	Alkalinity as CaCO3	1505	NELAP	VA	10/24/2019
SM 2540G - 2015	23rd ed.	20052248	Residue, total	1950	NELAP	VA	04/08/2024
SM 2540G - 2015	23rd ed.	20052248	Residue, volatile	1970	NELAP	VA	04/08/2024

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The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation standing.

Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 009-002 expiration date 10/31/2024. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Enthalpy Analytical, LLC
1941 Reymet Road
Richmond, VA 23237
(804) 358-8295

DEP Laboratory ID: 68-03503
EPA Lab Code: VA00913
TNI Code: TNI01248

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
SM 4500-NO3- F - 2016	23rd ed.	20116421	Total nitrate-nitrite	1820	NELAP	VA	07/12/2023
SM 4500-P B - 2011	22nd ed.	20123211	Preliminary treatment of phosphate samples	1479	NELAP	VA	07/12/2023
SM 4500-P E - 2011	22nd ed.	20124010	Phosphorus, total	1910	NELAP	VA	07/12/2023

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