



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



Certifies that

**VA Laboratory ID#: 460021
Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237**

**Owner: ENTHALPY ANALYTICAL, LLC
Responsible Official: MANDY MISHRA**

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: November 1, 2022

Expiration Date: June 14, 2023

Certificate # 12157

**Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories**

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.
Customers are urged to verify the laboratory's current accreditation status.



Commonwealth of Virginia
Department of General Services
Division of Consolidated Laboratory Services



Scope of Accreditation

VELAP Certificate No.: 12157

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: November 01, 2022
Expiration Date: June 14, 2023

AIR

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
ASTM D1946-90 (11)	CARBON DIOXIDE	VA	ASTM D1946-90 (11)	CARBON MONOXIDE	VA
ASTM D1946-90 (11)	METHANE	VA	ASTM D1946-90 (11)	NITROGEN (N2)	VA
ASTM D1946-90 (11)	OXYGEN	VA	EPA 18	TOTAL GASEOUS ORGANIC COMPOUNDS	VA
EPA 25C	NONMETHANE ORGANIC COMPOUNDS (NMOC)	VA	EPA 3C	CARBON DIOXIDE	VA
EPA 3C	METHANE	VA	EPA 3C	NITROGEN (N2)	VA
EPA 3C	OXYGEN	VA	EPA 3C-EXTENDED	CARBON MONOXIDE	VA
EPA TO-15 2nd Ed.	1,1,1-TRICHLOROETHANE	VA	EPA TO-15 2nd Ed.	1,1,2,2-TETRACHLOROETHANE	VA
EPA TO-15 2nd Ed.	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	VA	EPA TO-15 2nd Ed.	1,1,2-TRICHLOROETHANE	VA
EPA TO-15 2nd Ed.	1,1-DICHLOROETHANE	VA	EPA TO-15 2nd Ed.	1,1-DICHLOROETHYLENE	VA
EPA TO-15 2nd Ed.	1,2,4-TRICHLOROBENZENE	VA	EPA TO-15 2nd Ed.	1,2,4-TRIMETHYLBENZENE	VA
EPA TO-15 2nd Ed.	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA	EPA TO-15 2nd Ed.	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (FREON-114)	VA
EPA TO-15 2nd Ed.	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA	EPA TO-15 2nd Ed.	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA TO-15 2nd Ed.	1,2-DICHLOROPROPANE	VA	EPA TO-15 2nd Ed.	1,3,5-TRIMETHYLBENZENE	VA
EPA TO-15 2nd Ed.	1,3-BUTADIENE	VA	EPA TO-15 2nd Ed.	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA TO-15 2nd Ed.	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA	EPA TO-15 2nd Ed.	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	VA
EPA TO-15 2nd Ed.	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA	EPA TO-15 2nd Ed.	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA
EPA TO-15 2nd Ed.	ACROLEIN (PROPENAL)	VA	EPA TO-15 2nd Ed.	ALLYL CHLORIDE (3-CHLOROPROPENE)	VA
EPA TO-15 2nd Ed.	BENZENE	VA	EPA TO-15 2nd Ed.	BENZYL CHLORIDE	VA
EPA TO-15 2nd Ed.	BROMODICHLOROMETHANE	VA	EPA TO-15 2nd Ed.	BROMOFORM	VA
EPA TO-15 2nd Ed.	CARBON DISULFIDE	VA	EPA TO-15 2nd Ed.	CARBON TETRACHLORIDE	VA
EPA TO-15 2nd Ed.	CHLOROBENZENE	VA	EPA TO-15 2nd Ed.	CHLOROETHANE (ETHYL CHLORIDE)	VA
EPA TO-15 2nd Ed.	CHLOROFORM	VA	EPA TO-15 2nd Ed.	CIS-1,2-DICHLOROETHYLENE	VA
EPA TO-15 2nd Ed.	CIS-1,3-DICHLOROPROPENE	VA	EPA TO-15 2nd Ed.	CYCLOHEXANE	VA
EPA TO-15 2nd Ed.	DICHLORODIFLUOROMETHANE (FREON-12)	VA	EPA TO-15 2nd Ed.	ETHYL ACETATE	VA
EPA TO-15 2nd Ed.	ETHYLBENZENE	VA	EPA TO-15 2nd Ed.	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA TO-15 2nd Ed.	ISOPROPYLBENZENE	VA	EPA TO-15 2nd Ed.	M+P-XYLENE	VA
EPA TO-15 2nd Ed.	METHYL BROMIDE (BROMOMETHANE)	VA	EPA TO-15 2nd Ed.	METHYL CHLORIDE (CHLOROMETHANE)	VA
EPA TO-15 2nd Ed.	METHYL METHACRYLATE	VA	EPA TO-15 2nd Ed.	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA TO-15 2nd Ed.	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA	EPA TO-15 2nd Ed.	N-HEPTANE	VA
EPA TO-15 2nd Ed.	N-HEXANE	VA	EPA TO-15 2nd Ed.	O-XYLENE	VA
EPA TO-15 2nd Ed.	PROPYLENE (PROPENE)	VA			

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EPA TO-15 2nd Ed.	STYRENE	VA	EPA TO-15 2nd Ed.	TETRACHLOROETHENE (PERCHLOROETHENE)	VA
EPA TO-15 2nd Ed.	TETRAHYDROFURAN (THF)	VA	EPA TO-15 2nd Ed.	TOLUENE	VA
EPA TO-15 2nd Ed.	TRANS-1,2-DICHLOROETHENE	VA	EPA TO-15 2nd Ed.	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA
EPA TO-15 2nd Ed.	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA	EPA TO-15 2nd Ed.	TRICHLOROFLUOROMETHANE (FLUOROTRICHloromethane, FREON 11)	VA
EPA TO-15 2nd Ed.	VINYL ACETATE	VA	EPA TO-15 2nd Ed.	VINYL BROMIDE (BROMOETHENE)	VA
EPA TO-15 2nd Ed.	VINYL CHLORIDE (CHLOROETHENE)	VA	EPA TO-15 2nd Ed.	XYLENE (TOTAL)	VA
EPA TO-15 2nd Ed. - EXTENDED	1,1,1,2-TETRACHLOROETHANE	VA	EPA TO-15 2nd Ed. - EXTENDED	2-CHLOROTOLUENE	VA
EPA TO-15 2nd Ed. - EXTENDED	2-HEXANONE	VA	EPA TO-15 2nd Ed. - EXTENDED	4-ETHYLTOLUENE	VA
EPA TO-15 2nd Ed. - EXTENDED	ACETONE	VA	EPA TO-15 2nd Ed. - EXTENDED	CHLORODIBROMOMETHANE	VA
EPA TO-15 2nd Ed. - EXTENDED	ETHANOL	VA	EPA TO-15 2nd Ed. - EXTENDED	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	VA
EPA TO-15 2nd Ed. - EXTENDED	ISOOCTANE (2-METHYLHEPTANE)	VA	EPA TO-15 2nd Ed. - EXTENDED	N-BUTANE	VA
EPA TO-15 2nd Ed. - EXTENDED	N-NONANE	VA	EPA TO-15 2nd Ed. - EXTENDED	N-PENTANE	VA
EPA TO-15 2nd Ed. - EXTENDED	N-PROPYLBENZENE	VA	EPA TO-15 2nd Ed. - EXTENDED	NAPHTHALENE	VA
EPA TO-15 2nd Ed. - EXTENDED	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	VA			

DRINKING WATER

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
ENTEROLERT®	ENTEROCOCCI	VA	EPA 200.7 REV 4.4	ALUMINUM	VA
EPA 200.7 REV 4.4	BARIUM	VA	EPA 200.7 REV 4.4	CADMIUM	VA
EPA 200.7 REV 4.4	CALCIUM	VA	EPA 200.7 REV 4.4	CHROMIUM	VA
EPA 200.7 REV 4.4	COPPER	VA	EPA 200.7 REV 4.4	IRON	VA
EPA 200.7 REV 4.4	MAGNESIUM	VA	EPA 200.7 REV 4.4	MANGANESE	VA
EPA 200.7 REV 4.4	NICKEL	VA	EPA 200.7 REV 4.4	SILVER	VA
EPA 200.7 REV 4.4	SODIUM	VA	EPA 200.7 REV 4.4	ZINC	VA
EPA 200.8 REV 5.4	ANTIMONY	VA	EPA 200.8 REV 5.4	ARSENIC	VA
EPA 200.8 REV 5.4	BARIUM	VA	EPA 200.8 REV 5.4	BERYLLIUM	VA
EPA 200.8 REV 5.4	CADMIUM	VA	EPA 200.8 REV 5.4	CHROMIUM	VA
EPA 200.8 REV 5.4	COPPER	VA	EPA 200.8 REV 5.4	LEAD	VA
EPA 200.8 REV 5.4	MANGANESE	VA	EPA 200.8 REV 5.4	NICKEL	VA
EPA 200.8 REV 5.4	SELENIUM	VA	EPA 200.8 REV 5.4	SILVER	VA
EPA 200.8 REV 5.4	THALLIUM	VA	EPA 200.8 REV 5.4	ZINC	VA
EPA 245.1 REV 3	MERCURY	VA	EPA 300.0 REV 2.1	CHLORIDE	VA



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METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 300.0 REV 2.1	CHLORITE	VA	EPA 300.0 REV 2.1	FLUORIDE	VA
EPA 300.0 REV 2.1	NITRATE AS N	VA	EPA 300.0 REV 2.1	NITRATE/NITRITE	VA
EPA 300.0 REV 2.1	NITRITE AS N	VA	EPA 300.0 REV 2.1	SULFATE	VA
EPA 504.1 REV 1.1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA	EPA 504.1 REV 1.1	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA 508.1 REV 2	AROCLOR-1016 (PCB-1016)	VA	EPA 508.1 REV 2	AROCLOR-1221 (PCB-1221)	VA
EPA 508.1 REV 2	AROCLOR-1232 (PCB-1232)	VA	EPA 508.1 REV 2	AROCLOR-1242 (PCB-1242)	VA
EPA 508.1 REV 2	AROCLOR-1248 (PCB-1248)	VA	EPA 508.1 REV 2	AROCLOR-1254 (PCB-1254)	VA
EPA 508.1 REV 2	AROCLOR-1260 (PCB-1260)	VA	EPA 508.1 REV 2	CHLORDANE, TOTAL	VA
EPA 508.1 REV 2	ENDRIN	VA	EPA 508.1 REV 2	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA
EPA 508.1 REV 2	HEPTACHLOR	VA	EPA 508.1 REV 2	HEPTACHLOR EPOXIDE	VA
EPA 508.1 REV 2	METHOXYCHLOR	VA	EPA 508.1 REV 2	TOXAPHENE (CHLORINATED CAMPHENE)	VA
EPA 515.4 REV 1	2,4-D	VA	EPA 515.4 REV 1	DALAPON	VA
EPA 515.4 REV 1	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA	EPA 515.4 REV 1	PENTACHLOROPHENOL	VA
EPA 515.4 REV 1	PICLORAM	VA	EPA 515.4 REV 1	SILVEX (2,4,5-TP)	VA
EPA 524.2 REV 4.1	1,1,1-TRICHLOROETHANE	VA	EPA 524.2 REV 4.1	1,1,2-TRICHLOROETHANE	VA
EPA 524.2 REV 4.1	1,1-DICHLOROETHYLENE	VA	EPA 524.2 REV 4.1	1,2,4-TRICHLOROBENZENE	VA
EPA 524.2 REV 4.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA	EPA 524.2 REV 4.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 524.2 REV 4.1	1,2-DICHLOROPROPANE	VA	EPA 524.2 REV 4.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 524.2 REV 4.1	BENZENE	VA	EPA 524.2 REV 4.1	BROMODICHLOROMETHANE	VA
EPA 524.2 REV 4.1	BROMOFORM	VA	EPA 524.2 REV 4.1	CARBON TETRACHLORIDE	VA
EPA 524.2 REV 4.1	CHLOROBENZENE	VA	EPA 524.2 REV 4.1	CHLORODIBROMOMETHANE	VA
EPA 524.2 REV 4.1	CHLOROFORM	VA	EPA 524.2 REV 4.1	CIS-1,2-DICHLOROETHYLENE	VA
EPA 524.2 REV 4.1	ETHYLBENZENE	VA	EPA 524.2 REV 4.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA
EPA 524.2 REV 4.1	STYRENE	VA	EPA 524.2 REV 4.1	TETRACHLOROETHENE (PERCHLOROETHENE)	VA
EPA 524.2 REV 4.1	TOLUENE	VA	EPA 524.2 REV 4.1	TOTAL TRIHALOMETHANES (TTHMS)	VA
EPA 524.2 REV 4.1	TRANS-1,2-DICHLOROETHENE	VA	EPA 524.2 REV 4.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 524.2 REV 4.1	VINYL CHLORIDE (CHLOROETHENE)	VA	EPA 524.2 REV 4.1	XYLENE (TOTAL)	VA
EPA 525.2 REV 2	ALACHLOR	VA	EPA 525.2 REV 2	ATRAZINE	VA
EPA 525.2 REV 2	BENZO(A)PYRENE	VA	EPA 525.2 REV 2	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 525.2 REV 2	BIS(2-ETHYLHEXYL)ADIPATE (DI(2-ETHYLHEXYL)ADIPATE)	VA	EPA 525.2 REV 2	HEXACHLOROBENZENE	VA



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DRINKING WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 525.2 REV 2	HEXACHLOROCYCLOPENTADIENE	VA	EPA 525.2 REV 2	SIMAZINE	VA
EPA 552.3 REV 1	BROMOACETIC ACID	VA	EPA 552.3 REV 1	CHLOROACETIC ACID	VA
EPA 552.3 REV 1	DIBROMOACETIC ACID	VA	EPA 552.3 REV 1	DICHLOROACETIC ACID	VA
EPA 552.3 REV 1	HALOACETIC ACIDS - FIVE (HAA5)	VA	EPA 552.3 REV 1	TRICHLOROACETIC ACID (TCAA)	VA
LACHAT QUIKCHEM 10-204-00-1-X	CYANIDE	VA	SIMPLATE	HETEROTROPHIC PLATE COUNT	VA
SM 2120 B-2011	COLOR	VA	SM 2130 B-2011	TURBIDITY	VA
SM 2320 B-2011	ALKALINITY AS CaCO ₃	VA	SM 2510 B-2011	CONDUCTIVITY	VA
SM 2540 C-2011	RESIDUE-FILTERABLE (TDS)	VA	SM 4500-CN ⁻ C-2011	PREP: CYANIDE DISTILLATION	VA
SM 4500-CN ⁻ E-2011	CYANIDE	VA	SM 4500-H ⁺ B-2011	PH	VA
SM 4500-NO ₂ ⁻ B-2011	NITRITE AS N	VA	SM 4500-NO ₃ ⁻ F-2011	NITRATE/NITRITE	VA
SM 4500-P E-2011	ORTHOPHOSPHATE AS P	VA	SM 5310 C-2011	DISSOLVED ORGANIC CARBON (DOC)	VA
SM 5310 C-2011	TOTAL ORGANIC CARBON (TOC)	VA	SM 5540 C-2011	SURFACTANTS - MBAS	VA
SM 5910 B-2011	UV 254	VA	SM 9223 COLILERT-18 MPN	ESCHERICHIA COLI	VA
SM 9223 COLILERT-18 MPN	TOTAL COLIFORMS	VA	SM 9223 COLILERT-18 P/A	ESCHERICHIA COLI	VA
SM 9223 COLILERT-18 P/A	TOTAL COLIFORMS	VA	SM 9223 COLISURE®	ESCHERICHIA COLI	VA
SM 9223 COLISURE®	TOTAL COLIFORMS	VA			

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
ASTM D7065-11	NONYLPHENOL	VA	COLILERT-18 MPN	ESCHERICHIA COLI	VA
COLILERT-18 MPN	FECAL COLIFORMS	VA	ENTEROLERT®	ENTEROCOCCI	VA
EPA 1010 B	FLASHPOINT	VA	EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE	VA
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE	VA	EPA 160.4	RESIDUE-VOLATILE	VA
EPA 1664 B	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	VA	EPA 1664 B	TOTAL PETROLEUM HYDROCARBONS (TPH) (AS NONPOLAR MATERIAL, SGT-HEM)	VA
EPA 200.2 REV 2.8	PREP: SAMPLE PREPARATION PROCEDURE FOR SPECTROCHEMICAL DETERMINATION OF TOTAL RECOVERABLE ELEMENTS	VA	EPA 200.7 REV 4.4	ALUMINUM	VA
EPA 200.7 REV 4.4	ANTIMONY	VA	EPA 200.7 REV 4.4	ARSENIC	VA
EPA 200.7 REV 4.4	BARIUM	VA	EPA 200.7 REV 4.4	BERYLLIUM	VA
EPA 200.7 REV 4.4	BORON	VA	EPA 200.7 REV 4.4	CADMIUM	VA
EPA 200.7 REV 4.4	CALCIUM	VA	EPA 200.7 REV 4.4	CHROMIUM	VA
EPA 200.7 REV 4.4	COBALT	VA	EPA 200.7 REV 4.4	COPPER	VA
EPA 200.7 REV 4.4	IRON	VA	EPA 200.7 REV 4.4	LEAD	VA
EPA 200.7 REV 4.4	MAGNESIUM	VA			



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EPA 200.7 REV 4.4	MANGANESE	VA	EPA 200.7 REV 4.4	MOLYBDENUM	VA
EPA 200.7 REV 4.4	NICKEL	VA	EPA 200.7 REV 4.4	POTASSIUM	VA
EPA 200.7 REV 4.4	SELENIUM	VA	EPA 200.7 REV 4.4	SILICA AS SiO_2	VA
EPA 200.7 REV 4.4	SILVER	VA	EPA 200.7 REV 4.4	SODIUM	VA
EPA 200.7 REV 4.4	THALLIUM	VA	EPA 200.7 REV 4.4	TIN	VA
EPA 200.7 REV 4.4	TITANIUM	VA	EPA 200.7 REV 4.4	VANADIUM	VA
EPA 200.7 REV 4.4	ZINC	VA	EPA 200.8 REV 5.4	ALUMINUM	VA
EPA 200.8 REV 5.4	ANTIMONY	VA	EPA 200.8 REV 5.4	ARSENIC	VA
EPA 200.8 REV 5.4	BARIUM	VA	EPA 200.8 REV 5.4	BERYLLIUM	VA
EPA 200.8 REV 5.4	CADMIUM	VA	EPA 200.8 REV 5.4	CHROMIUM	VA
EPA 200.8 REV 5.4	COBALT	VA	EPA 200.8 REV 5.4	COPPER	VA
EPA 200.8 REV 5.4	LEAD	VA	EPA 200.8 REV 5.4	MANGANESE	VA
EPA 200.8 REV 5.4	MOLYBDENUM	VA	EPA 200.8 REV 5.4	NICKEL	VA
EPA 200.8 REV 5.4	SELENIUM	VA	EPA 200.8 REV 5.4	SILVER	VA
EPA 200.8 REV 5.4	THALLIUM	VA	EPA 200.8 REV 5.4	VANADIUM	VA
EPA 200.8 REV 5.4	ZINC	VA	EPA 200.8 REV 5.4 - EXTENDED	CALCIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	IRON	VA	EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	POTASSIUM	VA	EPA 200.8 REV 5.4 - EXTENDED	SODIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	TIN	VA	EPA 245.1 REV 3	MERCURY	VA
EPA 300.0 REV 2.1	BROMIDE	VA	EPA 300.0 REV 2.1	CHLORIDE	VA
EPA 300.0 REV 2.1	FLUORIDE	VA	EPA 300.0 REV 2.1	NITRATE AS N	VA
EPA 300.0 REV 2.1	NITRATE/NITRITE	VA	EPA 300.0 REV 2.1	NITRITE AS N	VA
EPA 300.0 REV 2.1	SULFATE	VA	EPA 3005 A	PREP: ACID DIGESTION OF WATERS FOR TOTAL RECOVERABLE OR DISSOLVED METALS	VA
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	VA	EPA 310.2	ALKALINITY AS CaCO_3	VA
EPA 350.1 REV 2	AMMONIA AS N	VA	EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	VA
EPA 3510 C	PREP: LIQUID-LIQUID EXTRACTION	VA	EPA 3511	PREP: ORGANIC EXTRACTION AND SAMPLE PREPARATION	VA
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	VA	EPA 420.1	TOTAL PHENOLICS	VA
EPA 5030	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	VA	EPA 6010 D	ALUMINUM	VA
EPA 6010 D	ANTIMONY	VA	EPA 6010 D	ARSENIC	VA
EPA 6010 D	BARIUM	VA	EPA 6010 D	BERYLLIUM	VA
EPA 6010 D	BORON	VA	EPA 6010 D	CADMIUM	VA
EPA 6010 D	CALCIUM	VA	EPA 6010 D	CHROMIUM	VA

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NON-POTABLE WATER

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EPA 6010 D	COBALT	VA	EPA 6010 D	COPPER	VA
EPA 6010 D	IRON	VA	EPA 6010 D	LEAD	VA
EPA 6010 D	LITHIUM	VA	EPA 6010 D	MAGNESIUM	VA
EPA 6010 D	MANGANESE	VA	EPA 6010 D	MOLYBDENUM	VA
EPA 6010 D	NICKEL	VA	EPA 6010 D	POTASSIUM	VA
EPA 6010 D	SELENIUM	VA	EPA 6010 D	SILICA AS SIO ₂	VA
EPA 6010 D	SILVER	VA	EPA 6010 D	SODIUM	VA
EPA 6010 D	STRONTIUM	VA	EPA 6010 D	THALLIUM	VA
EPA 6010 D	TIN	VA	EPA 6010 D	TITANIUM	VA
EPA 6010 D	VANADIUM	VA	EPA 6010 D	ZINC	VA
EPA 6020 B	ALUMINUM	VA	EPA 6020 B	ANTIMONY	VA
EPA 6020 B	ARSENIC	VA	EPA 6020 B	BARIUM	VA
EPA 6020 B	BERYLLIUM	VA	EPA 6020 B	CADMIUM	VA
EPA 6020 B	CALCIUM	VA	EPA 6020 B	CHROMIUM	VA
EPA 6020 B	COBALT	VA	EPA 6020 B	COPPER	VA
EPA 6020 B	IRON	VA	EPA 6020 B	LEAD	VA
EPA 6020 B	MAGNESIUM	VA	EPA 6020 B	MANGANESE	VA
EPA 6020 B	MERCURY	VA	EPA 6020 B	MOLYBDENUM	VA
EPA 6020 B	NICKEL	VA	EPA 6020 B	POTASSIUM	VA
EPA 6020 B	SELENIUM	VA	EPA 6020 B	SILVER	VA
EPA 6020 B	SODIUM	VA	EPA 6020 B	THALLIUM	VA
EPA 6020 B	TIN	VA	EPA 6020 B	VANADIUM	VA
EPA 6020 B	ZINC	VA	EPA 6020 B - EXTENDED	LITHIUM	VA
EPA 608.3	4,4'-DDD	VA	EPA 608.3	4,4'-DDE	VA
EPA 608.3	4,4'-DDT	VA	EPA 608.3	ALDRIN	VA
EPA 608.3	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	VA	EPA 608.3	AROCLOR-1016 (PCB-1016)	VA
EPA 608.3	AROCLOR-1221 (PCB-1221)	VA	EPA 608.3	AROCLOR-1232 (PCB-1232)	VA
EPA 608.3	AROCLOR-1242 (PCB-1242)	VA	EPA 608.3	AROCLOR-1248 (PCB-1248)	VA
EPA 608.3	AROCLOR-1254 (PCB-1254)	VA	EPA 608.3	AROCLOR-1260 (PCB-1260)	VA
EPA 608.3	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	VA	EPA 608.3	CHLORDANE, TOTAL	VA
EPA 608.3	DELTA-BHC	VA	EPA 608.3	DIELDRIN	VA
EPA 608.3	ENDOSULFAN I	VA	EPA 608.3	ENDOSULFAN II	VA
EPA 608.3	ENDOSULFAN SULFATE	VA	EPA 608.3	ENDRIN	VA
EPA 608.3	ENDRIN ALDEHYDE	VA	EPA 608.3	ENDRIN KETONE	VA
EPA 608.3	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA	EPA 608.3	HEPTACHLOR	VA
EPA 608.3	HEPTACHLOR EPOXIDE	VA			

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Commonwealth of Virginia
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NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 608.3	METHOXYCHLOR	VA	EPA 608.3	MIREX	VA
EPA 608.3	TOXAPHENE (CHLORINATED CAMPHENE)	VA	EPA 614	AZINPHOS-METHYL (GUTHION)	VA
EPA 614	DEMETON-O	VA	EPA 614	DEMETON-S	VA
EPA 614	DIAZINON	VA	EPA 614	MALATHION	VA
EPA 614	PARATHION (PARATHION - ETHYL)	VA	EPA 615	2,4-D	VA
EPA 615	2,4-DB	VA	EPA 615	DALAPON	VA
EPA 615	DICAMBA	VA	EPA 615	DICHLOROPROP (DICHLORPROP)	VA
EPA 615	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA	EPA 615	MCPA	VA
EPA 615	MCPP	VA	EPA 615	SILVEX (2,4,5-TP)	VA
EPA 622	AZINPHOS-METHYL (GUTHION)	VA	EPA 622	CHLORPYRIFOS	VA
EPA 622	DEMETON-O	VA	EPA 622	DEMETON-S	VA
EPA 622	DIAZINON	VA	EPA 622	DISULFOTON	VA
EPA 622	METHYL PARATHION (PARATHION, METHYL)	VA	EPA 624.1	1,1,1-TRICHLOROETHANE	VA
EPA 624.1	1,1,2,2-TETRACHLOROETHANE	VA	EPA 624.1	1,1,2-TRICHLOROETHANE	VA
EPA 624.1	1,1-DICHLOROETHANE	VA	EPA 624.1	1,1-DICHLOROETHYLENE	VA
EPA 624.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA	EPA 624.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 624.1	1,2-DICHLOROPROPANE	VA	EPA 624.1	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA 624.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA	EPA 624.1	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA
EPA 624.1	2-CHLOROETHYL VINYL ETHER	VA	EPA 624.1	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA
EPA 624.1	ACETONE	VA	EPA 624.1	ACROLEIN (PROPENAL)	VA
EPA 624.1	ACRYLONITRILE	VA	EPA 624.1	BENZENE	VA
EPA 624.1	BROMODICHLOROMETHANE	VA	EPA 624.1	BROMOFORM	VA
EPA 624.1	CARBON TETRACHLORIDE	VA	EPA 624.1	CHLOROBENZENE	VA
EPA 624.1	CHLORODIBROMOMETHANE	VA	EPA 624.1	CHLOROETHANE (ETHYL CHLORIDE)	VA
EPA 624.1	CHLOROFORM	VA	EPA 624.1	CIS-1,2-DICHLOROETHYLENE	VA
EPA 624.1	CIS-1,3-DICHLOROPROPENE	VA	EPA 624.1	ETHYL ACETATE	VA
EPA 624.1	ETHYLBENZENE	VA	EPA 624.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 624.1	METHYL BROMIDE (BROMOMETHANE)	VA	EPA 624.1	METHYL CHLORIDE (CHLOROMETHANE)	VA
EPA 624.1	METHYL TERT-BUTYL ETHER (MTBE)	VA	EPA 624.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA
EPA 624.1	NAPHTHALENE	VA	EPA 624.1	TETRACHLOROETHENE (PERCHLOROETHENE)	VA
EPA 624.1	TETRAHYDROFURAN (THF)	VA	EPA 624.1	TOLUENE	VA
EPA 624.1	TRANS-1,2-DICHLOROETHENE	VA	EPA 624.1	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA



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<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 624.1	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	VA	EPA 624.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 624.1	XYLENE (TOTAL)	VA	EPA 624.1 EXTENDED	VINYL CHLORIDE (CHLOROETHENE)	VA
EPA 624.1 EXTENDED	ISOPROPYL ACETATE	VA	EPA 624.1 EXTENDED	1,2,4-TRICHLOROBENZENE	VA
EPA 625.1	1,2,4-TRICHLOROBENZENE	VA	EPA 625.1	N-AMYL ACETATE	VA
EPA 625.1	2,2'-OXYBIS(1-CHLOROPROPANE)	VA	EPA 625.1	1,2-DIPHENYLHYDRAZINE	VA
EPA 625.1	2,3-DICHLOROANILINE	VA	EPA 625.1	2,3,7,8-TCDD (DIOXIN) - QUALITATIVE SCREEN BY SIM	VA
EPA 625.1	2,4,6-TRICHLOROPHENOL	VA	EPA 625.1	2,4,5-TRICHLOROPHENOL	VA
EPA 625.1	2,4-DIMETHYLPHENOL	VA	EPA 625.1	2,4-DICHLOROPHENOL	VA
EPA 625.1	2,4-DINITROTOLUENE (2,4-DNT)	VA	EPA 625.1	2,4-DINITROPHENOL	VA
EPA 625.1	2-CHLORONAPHTHALENE	VA	EPA 625.1	2,6-DINITROTOLUENE (2,6-DNT)	VA
EPA 625.1	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	VA	EPA 625.1	2-CHLOROPHENOL	VA
EPA 625.1	2-NITROPHENOL	VA	EPA 625.1	2-METHYLPHENOL (O-CRESOL)	VA
EPA 625.1	4-BROMOPHENYL PHENYL ETHER (BDE-3)	VA	EPA 625.1	3,3'-DICHLOROBENZIDINE	VA
EPA 625.1	4-CHLOROPHENYL PHENYLETHER	VA	EPA 625.1	4-CHLORO-3-METHYLPHENOL	VA
EPA 625.1	ACENAPHTHENE	VA	EPA 625.1	4-NITROPHENOL	VA
EPA 625.1	ALPHA-TERPINEOL	VA	EPA 625.1	ACENAPHTHYLENE	VA
EPA 625.1	BENZIDINE	VA	EPA 625.1	ANTHRACENE	VA
EPA 625.1	BENZO(A)PYRENE	VA	EPA 625.1	BENZO(A)ANTHRACENE	VA
EPA 625.1	BENZO(G,H,I)PERYLENE	VA	EPA 625.1	BENZO(B)FLUORANTHENE	VA
EPA 625.1	BENZOIC ACID	VA	EPA 625.1	BENZO(K)FLUORANTHENE	VA
EPA 625.1	BIS(2-CHLOROETHYL) ETHER	VA	EPA 625.1	BIS(2-CHLOROETHOXY)METHANE	VA
EPA 625.1	BUTYL BENZYL PHTHALATE	VA	EPA 625.1	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 625.1	CHRYSENE	VA	EPA 625.1	CARBARYL (SEVIN)	VA
EPA 625.1	DI-N-OCTYL PHTHALATE	VA	EPA 625.1	DI-N-BUTYL PHTHALATE	VA
EPA 625.1	DIETHYL PHTHALATE	VA	EPA 625.1	DIBENZO(A,H) ANTHRACENE	VA
EPA 625.1	FLUORANTHENE	VA	EPA 625.1	DIMETHYL PHTHALATE	VA
EPA 625.1	HEXACHLOROBENZENE	VA	EPA 625.1	FLUORENE	VA
EPA 625.1	HEXACHLOROCYCLOPENTADIENE	VA	EPA 625.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 625.1	INDENO(1,2,3-CD) PYRENE	VA	EPA 625.1	HEXACHLOROETHANE	VA
EPA 625.1	N-DECANE	VA	EPA 625.1	ISOPHORONE	VA
EPA 625.1	N-NITROSODIMETHYLAMINE	VA	EPA 625.1	N-NITROSODI-N-PROPYLAMINE	VA
EPA 625.1	N-OCTADECANE	VA	EPA 625.1	N-NITROSODIPHENYLAMINE	VA
EPA 625.1	NITROBENZENE	VA	EPA 625.1	NAPHTHALENE	VA
			EPA 625.1	PENTACHLOROPHENOL	VA



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EPA 625.1	PHENANTHRENE	VA	EPA 625.1	PHENOL	VA
EPA 625.1	PYRENE	VA	EPA 625.1 EXTENDED	4-METHYLPHENOL (P-CRESOL)	VA
EPA 625.1 EXTENDED	DINONYL PHTHALATE	VA	EPA 7196 A	CHROMIUM VI	VA
EPA 7470 A	MERCURY	VA	EPA 8011	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA
EPA 8011	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA	EPA 8011 - EXTENDED	1,2,3-TRICHLOROPROPANE	VA
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	VA	EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	VA
EPA 8015 C - EXTENDED	OIL RANGE ORGANICS	VA	EPA 8021 B	BENZENE	VA
EPA 8021 B	ETHYLBENZENE	VA	EPA 8021 B	M+P-XYLENE	VA
EPA 8021 B	NAPHTHALENE	VA	EPA 8021 B	O-XYLENE	VA
EPA 8021 B	TOLUENE	VA	EPA 8021 B	XYLENE (TOTAL)	VA
EPA 8021 B - EXTENDED	METHYL TERT-BUTYL ETHER (MTBE)	VA	EPA 8081 B	4,4'-DDD	VA
EPA 8081 B	4,4'-DDE	VA	EPA 8081 B	4,4'-DDT	VA
EPA 8081 B	ALDRIN	VA	EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	VA	EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	CHLORDANE, TOTAL	VA	EPA 8081 B	DELTA-BHC	VA
EPA 8081 B	DIELDRIN	VA	EPA 8081 B	ENDOSULFAN I	VA
EPA 8081 B	ENDOSULFAN II	VA	EPA 8081 B	ENDOSULFAN SULFATE	VA
EPA 8081 B	ENDRIN	VA	EPA 8081 B	ENDRIN ALDEHYDE	VA
EPA 8081 B	ENDRIN KETONE	VA	EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	GAMMA-CHLORDANE (BETA-CHLORDANE, TRANS-CHLORDANE)	VA	EPA 8081 B	HEPTACHLOR	VA
EPA 8081 B	HEPTACHLOR EPOXIDE	VA	EPA 8081 B	METHOXYCHLOR	VA
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	VA	EPA 8081 B - EXTENDED	DACTHAL (DCPA)	VA
EPA 8081 B - EXTENDED	MIREX	VA	EPA 8082 A	AROCLOR-1016 (PCB-1016)	VA
EPA 8082 A	AROCLOR-1221 (PCB-1221)	VA	EPA 8082 A	AROCLOR-1232 (PCB-1232)	VA
EPA 8082 A	AROCLOR-1242 (PCB-1242)	VA	EPA 8082 A	AROCLOR-1248 (PCB-1248)	VA
EPA 8082 A	AROCLOR-1254 (PCB-1254)	VA	EPA 8082 A	AROCLOR-1260 (PCB-1260)	VA
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	VA	EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	VA
EPA 8151 A	2,4,5-T	VA	EPA 8151 A	2,4-D	VA
EPA 8151 A	2,4-DB	VA	EPA 8151 A	3,5-DICHLOROBENZOIC ACID	VA
EPA 8151 A	4-NITROPHENOL	VA	EPA 8151 A	ACIFLUORFEN	VA
EPA 8151 A	BENTAZON	VA	EPA 8151 A	CHLORAMBEN	VA
EPA 8151 A	DACTHAL (DCPA)	VA	EPA 8151 A	DALAPON	VA

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EPA 8151 A	DICAMBA	VA	EPA 8151 A	DICHLOROPROP (DICHLORPROP)	VA
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA	EPA 8151 A	MCPA	VA
EPA 8151 A	MCPP	VA	EPA 8151 A	PENTACHLOROPHENOL	VA
EPA 8151 A	PICLORAM	VA	EPA 8151 A	SILVEX (2,4,5-TP)	VA
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	VA	EPA 8260 D	1,1,1-TRICHLOROETHANE	VA
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	VA	EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	VA
EPA 8260 D	1,1,2-TRICHLOROETHANE	VA	EPA 8260 D	1,1-DICHLOROETHANE	VA
EPA 8260 D	1,1-DICHLOROETHYLENE	VA	EPA 8260 D	1,1-DICHLOROPROPENE	VA
EPA 8260 D	1,2,3-TRICHLOROBENZENE	VA	EPA 8260 D	1,2,3-TRICHLOROPROPANE	VA
EPA 8260 D	1,2,4-TRICHLOROBENZENE	VA	EPA 8260 D	1,2,4-TRIMETHYLBENZENE	VA
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA	EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA	EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 8260 D	1,2-DICHLOROPROPANE	VA	EPA 8260 D	1,3,5-TRIMETHYLBENZENE	VA
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA	EPA 8260 D	1,3-DICHLOROPROPANE	VA
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA	EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4- DIETHYLENEOXIDE)	VA
EPA 8260 D	2,2-DICHLOROPROPANE	VA	EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	VA	EPA 8260 D	2-CHLOROTOLUENE	VA
EPA 8260 D	2-HEXANONE	VA	EPA 8260 D	2-PICOLINE (2-METHYLPYRIDINE)	VA
EPA 8260 D	4-CHLOROTOLUENE	VA	EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	VA
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA	EPA 8260 D	ACETONE	VA
EPA 8260 D	ACETONITRILE	VA	EPA 8260 D	ACROLEIN (PROPENAL)	VA
EPA 8260 D	ACRYLONITRILE	VA	EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	VA
EPA 8260 D	BENZENE	VA	EPA 8260 D	BENZYL CHLORIDE	VA
EPA 8260 D	BROMOBENZENE	VA	EPA 8260 D	BROMOCHLOROMETHANE	VA
EPA 8260 D	BROMODICHLOROMETHANE	VA	EPA 8260 D	BROMOFORM	VA
EPA 8260 D	CARBON DISULFIDE	VA	EPA 8260 D	CARBON TETRACHLORIDE	VA
EPA 8260 D	CHLOROBENZENE	VA	EPA 8260 D	CHLORODIBROMOMETHANE	VA
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	VA	EPA 8260 D	CHLOROFORM	VA
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	VA	EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	VA
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	VA	EPA 8260 D	CIS-1,4-DICHLORO-2-BUTENE	VA
EPA 8260 D	CYCLOHEXANE	VA	EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	VA



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EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	VA	EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	VA
EPA 8260 D	DIETHYL ETHER	VA	EPA 8260 D	ETHANOL	VA
EPA 8260 D	ETHYL ACETATE	VA	EPA 8260 D	ETHYL METHACRYLATE	VA
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	VA	EPA 8260 D	ETHYLBENZENE	VA
EPA 8260 D	ETHYLENE OXIDE	VA	EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	VA	EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	VA
EPA 8260 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	VA	EPA 8260 D	ISOPROPYLBENZENE	VA
EPA 8260 D	M+P-XYLENE	VA	EPA 8260 D	METHACRYLONITRILE	VA
EPA 8260 D	METHYL ACETATE	VA	EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	VA
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	VA	EPA 8260 D	METHYL METHACRYLATE	VA
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	VA	EPA 8260 D	METHYLCYCLOHEXANE	VA
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA	EPA 8260 D	N-BUTYLBENZENE	VA
EPA 8260 D	N-PROPYLBENZENE	VA	EPA 8260 D	NAPHTHALENE	VA
EPA 8260 D	O-XYLENE	VA	EPA 8260 D	PENTACHLOROETHANE	VA
EPA 8260 D	PENTAFLUOROBENZENE	VA	EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	VA
EPA 8260 D	SEC-BUTYLBENZENE	VA	EPA 8260 D	STYRENE	VA
EPA 8260 D	T-AMYL ETHYL ETHER (TAAE) (4,4-DIMETHYL-3-OXAHEXANE)	VA	EPA 8260 D	T-AMYLMETHYLETHER (TAME)	VA
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	VA	EPA 8260 D	TERT-BUTYLBENZENE	VA
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	VA	EPA 8260 D	TOLUENE	VA
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	VA	EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	VA	EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	VA	EPA 8260 D	VINYL ACETATE	VA
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	VA	EPA 8260 D	XYLENE (TOTAL)	VA
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	VA	EPA 8260 D - EXTENDED	CYCLOHEXANONE	VA
EPA 8260 D - EXTENDED	DIBROMOFLUOROMETHANE	VA	EPA 8260 D - EXTENDED	ISOPROPYL ACETATE	VA
EPA 8260 D - EXTENDED	N-HEXANE	VA	EPA 8260 D - EXTENDED	T-AMYL ALCOHOL (TAA)	VA
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	VA	EPA 8260 D SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	VA
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	VA	EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	VA
EPA 8270 E	1,2,4-TRICHLOROBENZENE	VA			

This Scope of Accreditation must accompany the Certificate issued by Virginia DCLS with the same Certificate Number indicated above.



Commonwealth of Virginia
Department of General Services
Division of Consolidated Laboratory Services



Scope of Accreditation

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Enthalpy Analytical LLC
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NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 8270 E	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA	EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA 8270 E	1,2-DINITROBENZENE (1,2-DNB)	VA	EPA 8270 E	1,2-DIPHENYLHYDRAZINE	VA
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	VA	EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	VA	EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	VA	EPA 8270 E	1,4-NAPHTHOQUINONE	VA
EPA 8270 E	1,4-PHENYLENEDIAMINE	VA	EPA 8270 E	1-CHLORONAPHTHALENE	VA
EPA 8270 E	1-METHYLNAPHTHALENE	VA	EPA 8270 E	1-NAPHTHYLAMINE	VA
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	VA	EPA 8270 E	2,4,5-TRICHLOROPHENOL	VA
EPA 8270 E	2,4,6-TRICHLOROPHENOL	VA	EPA 8270 E	2,4-DICHLOROPHENOL	VA
EPA 8270 E	2,4-DIMETHYLPHENOL	VA	EPA 8270 E	2,4-DINITROPHENOL	VA
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	VA	EPA 8270 E	2,6-DICHLOROPHENOL	VA
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	VA	EPA 8270 E	2-ACETYLAMINOFLUORENE	VA
EPA 8270 E	2-CHLORONAPHTHALENE	VA	EPA 8270 E	2-CHLOROPHENOL	VA
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	VA	EPA 8270 E	2-METHYLNAPHTHALENE	VA
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	VA	EPA 8270 E	2-NAPHTHYLAMINE	VA
EPA 8270 E	2-NITROANILINE	VA	EPA 8270 E	2-NITROPHENOL	VA
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	VA	EPA 8270 E	3,3'-DICHLOROBENZIDINE	VA
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	VA	EPA 8270 E	3-METHYLCHOLANTHRENE	VA
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	VA	EPA 8270 E	3-NITROANILINE	VA
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	VA	EPA 8270 E	4,4'-METHYLENEBIS-N,N-DIMETHYLANILINE	VA
EPA 8270 E	4-AMINOBIIPHENYL	VA	EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	VA
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	VA	EPA 8270 E	4-CHLOROANILINE	VA
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	VA	EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	VA
EPA 8270 E	4-NITROANILINE	VA	EPA 8270 E	4-NITROPHENOL	VA
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	VA	EPA 8270 E	5-NITRO-O-TOLUIDINE	VA
EPA 8270 E	7,12-DIMETHYLBENZ(A)ANTHRACENE	VA	EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	VA
EPA 8270 E	ACENAPHTHENE	VA	EPA 8270 E	ACENAPHTHYLENE	VA
EPA 8270 E	ACETOPHENONE	VA	EPA 8270 E	ANILINE	VA
EPA 8270 E	ANTHRACENE	VA	EPA 8270 E	ARAMITE	VA
EPA 8270 E	ATRAZINE	VA	EPA 8270 E	AZINPHOS-METHYL (GUTHION)	VA
EPA 8270 E	AZOBENZENE	VA	EPA 8270 E	BENZALDEHYDE	VA
EPA 8270 E	BENZIDINE	VA	EPA 8270 E	BENZO(A)ANTHRACENE	VA
EPA 8270 E	BENZO(A)PYRENE	VA	EPA 8270 E	BENZO(B)FLUORANTHENE	VA
EPA 8270 E	BENZO(G,H,I)PERYLENE	VA	EPA 8270 E	BENZO(K)FLUORANTHENE	VA
EPA 8270 E	BENZOIC ACID	VA	EPA 8270 E	BENZYL ALCOHOL	VA
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	VA			



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EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	VA	EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 8270 E	BUTYL BENZYL PHTHALATE	VA	EPA 8270 E	CAPROLACTAM	VA
EPA 8270 E	CARBAZOLE	VA	EPA 8270 E	CHLOROBENZILATE	VA
EPA 8270 E	CHRYSENE	VA	EPA 8270 E	DI-N-BUTYL PHTHALATE	VA
EPA 8270 E	DI-N-OCTYL PHTHALATE	VA	EPA 8270 E	DIALATE	VA
EPA 8270 E	DIBENZ(A, J) ACRIDINE	VA	EPA 8270 E	DIBENZO(A,H) ANTHRACENE	VA
EPA 8270 E	DIBENZOFURAN	VA	EPA 8270 E	DIETHYL PHTHALATE	VA
EPA 8270 E	DIMETHOATE	VA	EPA 8270 E	DIMETHYL PHTHALATE	VA
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA	EPA 8270 E	DIPHENYLAMINE	VA
EPA 8270 E	DISULFOTON	VA	EPA 8270 E	ETHYL METHANESULFONATE	VA
EPA 8270 E	FAMPHUR	VA	EPA 8270 E	FLUORANTHENE	VA
EPA 8270 E	FLUORENE	VA	EPA 8270 E	HEXACHLOROBENZENE	VA
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA	EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	VA
EPA 8270 E	HEXACHLOROETHANE	VA	EPA 8270 E	HEXACHLOROPHENE	VA
EPA 8270 E	HEXACHLOROPROPENE	VA	EPA 8270 E	INDENO(1,2,3-CD) PYRENE	VA
EPA 8270 E	ISODRIN	VA	EPA 8270 E	ISOPHORONE	VA
EPA 8270 E	ISOSAFROLE	VA	EPA 8270 E	KEPONE	VA
EPA 8270 E	MALATHION	VA	EPA 8270 E	METHAPYRILENE	VA
EPA 8270 E	METHYL METHANESULFONATE	VA	EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	VA
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	VA	EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	VA
EPA 8270 E	N-NITROSODIETHYLAMINE	VA	EPA 8270 E	N-NITROSODIMETHYLAMINE	VA
EPA 8270 E	N-NITROSODIPHENYLAMINE	VA	EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	VA
EPA 8270 E	N-NITROSOMORPHOLINE	VA	EPA 8270 E	N-NITROSOPIPERIDINE	VA
EPA 8270 E	N-NITROSOPYRROLIDINE	VA	EPA 8270 E	NAPHTHALENE	VA
EPA 8270 E	NICOTINE	VA	EPA 8270 E	NITROBENZENE	VA
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	VA	EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	VA
EPA 8270 E	PARATHION (PARATHION - ETHYL)	VA	EPA 8270 E	PENTACHLOROBENZENE	VA
EPA 8270 E	PENTACHLORONITROBENZENE	VA	EPA 8270 E	PENTACHLOROPHENOL	VA
EPA 8270 E	PHENACETIN	VA	EPA 8270 E	PHENANTHRENE	VA
EPA 8270 E	PHENOL	VA	EPA 8270 E	PHORATE	VA
EPA 8270 E	PRONAMIDE (KERB)	VA	EPA 8270 E	PYRENE	VA
EPA 8270 E	PYRIDINE	VA	EPA 8270 E	SAFROLE	VA
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	VA	EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	VA
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	VA	EPA 8270 E - EXTENDED	DINONYL PHTHALATE	VA



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EPA 9012 B	CYANIDE, TOTAL	VA	EPA 9020 B	TOTAL ORGANIC HALIDES (TOX)	VA
EPA 9030 B	PREP: SULFIDE	VA	EPA 9056 A	BROMIDE	VA
EPA 9056 A	CHLORIDE	VA	EPA 9056 A	FLUORIDE	VA
EPA 9056 A	NITRATE AS N	VA	EPA 9056 A	NITRITE AS N	VA
EPA 9056 A	SULFATE	VA	EPA 9080 A	TOTAL ORGANIC CARBON (TOC)	VA
EPA 9065	TOTAL PHENOLICS	VA	EPA 9215	SULFIDE	VA
LACHAT QUIKCHEM 10-204-00-1-X	CYANIDE	VA	NCASI METHOD COLOR 71.01	COLOR	VA
RSK-175	ETHANE	VA	RSK-175	ETHENE (ETHYLENE)	VA
RSK-175	METHANE	VA	SM 2120 B-2011	COLOR	VA
SM 2130 B-2011	TURBIDITY	VA	SM 2310 B-2011	ACIDITY, AS CaCO ₃	VA
SM 2320 B-2011	ALKALINITY AS CaCO ₃	VA	SM 2340 B-2011	TOTAL HARDNESS AS CaCO ₃	VA
SM 2510 B-2011	CONDUCTIVITY	VA	SM 2540 B-2011	RESIDUE-TOTAL (TS)	VA
SM 2540 C-2011	RESIDUE-FILTERABLE (TDS)	VA	SM 2540 D-2011	RESIDUE-NONFILTERABLE (TSS)	VA
SM 2540 F-2011	RESIDUE-SETTLEABLE	VA	SM 3500-CR B-2011	CHROMIUM VI	VA
SM 4500-CN ⁻ C-2011	PREP: CYANIDE DISTILLATION	VA	SM 4500-CN ⁻ E-2011	CYANIDE	VA
SM 4500-NH ₃ B-2011	AMMONIA AS N	VA	SM 4500-NH ₃ H-2011	AMMONIA AS N	VA
SM 4500-NO ₂ ⁻ B-2011	NITRITE AS N	VA	SM 4500-NO ₃ ⁻ F-2011	NITRATE/NITRITE	VA
SM 4500-NO ₃ ⁻ F-2011 MINUS SM 4500-NO ₂ ⁻ B-2011 (CALC)	NITRATE AS N	VA	SM 4500-P B 5-2011	PREP: TOTAL PHOSPHORUS	VA
SM 4500-P B 5-2011 (AS HACH 8190)	PREP: TOTAL PHOSPHORUS	VA	SM 4500-P E-2011	ORTHOPHOSPHATE AS P	VA
SM 4500-P E-2011	PHOSPHORUS, TOTAL	VA	SM 4500-P E-2011 (AS HACH 8190)	PHOSPHORUS, TOTAL	VA
SM 4500-S ₂ ⁻ C-2011	PREP: SULFIDE	VA	SM 4500-S ₂ ⁻ D-2011	SULFIDE	VA
SM 4500-S ₂ ⁻ F-2011	SULFIDE	VA	SM 5210 B-2011	BIOCHEMICAL OXYGEN DEMAND (BOD)	VA
SM 5210 B-2011	CARBONACEOUS BOD (CBOD)	VA	SM 5220 D-2011	CHEMICAL OXYGEN DEMAND (COD)	VA
SM 5310 C-2011	TOTAL ORGANIC CARBON (TOC)	VA	SM 5540 C-2011	SURFACTANTS - MBAS	VA
SM 9221 E + C-2006	FECAL COLIFORMS	VA			

SOLID AND CHEMICAL MATERIALS

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1010 B	FLASHPOINT	VA	EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE	VA
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE	VA	EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	VA
EPA 3060 A	PREP: HEXAVALENT CHROMIUM	VA	EPA 350.1 REV 2	AMMONIA AS N	VA
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	VA	EPA 3550 C	PREP: ULTRASONIC EXTRACTION	VA
EPA 3580 A	PREP: WASTE DILUTION	VA	EPA 3585	PREP: WASTE DILUTION FOR VOLATILE ORGANICS	VA



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EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	VA	EPA 5035	PREP: CLOSED-SYSTEM PURGE AND TRAP AND EXTRACTION	VA
EPA 6010 D	ALUMINUM	VA	EPA 6010 D	ANTIMONY	VA
EPA 6010 D	ARSENIC	VA	EPA 6010 D	BARIUM	VA
EPA 6010 D	BERYLLIUM	VA	EPA 6010 D	BORON	VA
EPA 6010 D	CADMIUM	VA	EPA 6010 D	CALCIUM	VA
EPA 6010 D	CHROMIUM	VA	EPA 6010 D	COBALT	VA
EPA 6010 D	COPPER	VA	EPA 6010 D	IRON	VA
EPA 6010 D	LEAD	VA	EPA 6010 D	MAGNESIUM	VA
EPA 6010 D	MANGANESE	VA	EPA 6010 D	MOLYBDENUM	VA
EPA 6010 D	NICKEL	VA	EPA 6010 D	POTASSIUM	VA
EPA 6010 D	SELENIUM	VA	EPA 6010 D	SILICA AS SiO ₂	VA
EPA 6010 D	SILVER	VA	EPA 6010 D	SODIUM	VA
EPA 6010 D	STRONTIUM	VA	EPA 6010 D	THALLIUM	VA
EPA 6010 D	TIN	VA	EPA 6010 D	TITANIUM	VA
EPA 6010 D	VANADIUM	VA	EPA 6010 D	ZINC	VA
EPA 6020 B	ANTIMONY	VA	EPA 6020 B	ARSENIC	VA
EPA 6020 B	BARIUM	VA	EPA 6020 B	BERYLLIUM	VA
EPA 6020 B	CADMIUM	VA	EPA 6020 B	CHROMIUM	VA
EPA 6020 B	COBALT	VA	EPA 6020 B	COPPER	VA
EPA 6020 B	LEAD	VA	EPA 6020 B	MANGANESE	VA
EPA 6020 B	MOLYBDENUM	VA	EPA 6020 B	NICKEL	VA
EPA 6020 B	SELENIUM	VA	EPA 6020 B	SILVER	VA
EPA 6020 B	THALLIUM	VA	EPA 6020 B	VANADIUM	VA
EPA 6020 B	ZINC	VA	EPA 7196 A	CHROMIUM VI	VA
EPA 7471 B	MERCURY	VA	EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	VA
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	VA	EPA 8015 C - EXTENDED	OIL RANGE ORGANICS	VA
EPA 8021 B	BENZENE	VA	EPA 8021 B	ETHYLBENZENE	VA
EPA 8021 B	M+P-XYLENE	VA	EPA 8021 B	NAPHTHALENE	VA
EPA 8021 B	O-XYLENE	VA	EPA 8021 B	TOLUENE	VA
EPA 8021 B	XYLENE (TOTAL)	VA	EPA 8021 B - EXTENDED	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA 8081 B	4,4'-DDD	VA	EPA 8081 B	4,4'-DDE	VA
EPA 8081 B	4,4'-DDT	VA	EPA 8081 B	ALDRIN	VA
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	VA	EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	VA
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	VA	EPA 8081 B	CHLORDANE, TOTAL	VA
EPA 8081 B	DELTA-BHC	VA	EPA 8081 B	DIELDRIN	VA



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EPA 8081 B	ENDOSULFAN I	VA	EPA 8081 B	ENDOSULFAN II	VA
EPA 8081 B	ENDOSULFAN SULFATE	VA	EPA 8081 B	ENDRIN	VA
EPA 8081 B	ENDRIN ALDEHYDE	VA	EPA 8081 B	ENDRIN KETONE	VA
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA	EPA 8081 B	GAMMA-CHLORDANE (BETA-CHLORDANE, TRANS-CHLORDANE)	VA
EPA 8081 B	HEPTACHLOR	VA	EPA 8081 B	HEPTACHLOR EPOXIDE	VA
EPA 8081 B	METHOXYCHLOR	VA	EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	VA
EPA 8081 B - EXTENDED	DACTHAL (DCPA)	VA	EPA 8081 B - EXTENDED	MIREX	VA
EPA 8082 A	AROCLOR-1016 (PCB-1016)	VA	EPA 8082 A	AROCLOR-1221 (PCB-1221)	VA
EPA 8082 A	AROCLOR-1232 (PCB-1232)	VA	EPA 8082 A	AROCLOR-1242 (PCB-1242)	VA
EPA 8082 A	AROCLOR-1248 (PCB-1248)	VA	EPA 8082 A	AROCLOR-1254 (PCB-1254)	VA
EPA 8082 A	AROCLOR-1260 (PCB-1260)	VA	EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	VA
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	VA	EPA 8082 A - OIL	AROCLOR-1016 (PCB-1016)	VA
EPA 8082 A - OIL	AROCLOR-1221 (PCB-1221)	VA	EPA 8082 A - OIL	AROCLOR-1232 (PCB-1232)	VA
EPA 8082 A - OIL	AROCLOR-1242 (PCB-1242)	VA	EPA 8082 A - OIL	AROCLOR-1248 (PCB-1248)	VA
EPA 8082 A - OIL	AROCLOR-1254 (PCB-1254)	VA	EPA 8082 A - OIL	AROCLOR-1260 (PCB-1260)	VA
EPA 8082 A - OIL - EXTENDED	AROCLOR-1262 (PCB-1262)	VA	EPA 8082 A - OIL - EXTENDED	AROCLOR-1268 (PCB-1268)	VA
EPA 8151 A	2,4,5-T	VA	EPA 8151 A	2,4-D	VA
EPA 8151 A	2,4-DB	VA	EPA 8151 A	3,5-DICHLOROBENZOIC ACID	VA
EPA 8151 A	4-NITROPHENOL	VA	EPA 8151 A	ACIFLUORFEN	VA
EPA 8151 A	BENTAZON	VA	EPA 8151 A	CHLORAMBEN	VA
EPA 8151 A	DACTHAL (DCPA)	VA	EPA 8151 A	DALAPON	VA
EPA 8151 A	DICAMBA	VA	EPA 8151 A	DICHLOROPROP (DICHLOROPROP)	VA
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA	EPA 8151 A	MCPA	VA
EPA 8151 A	MCPP	VA	EPA 8151 A	PENTACHLOROPHENOL	VA
EPA 8151 A	PICLORAM	VA	EPA 8151 A	SILVEX (2,4,5-TP)	VA
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	VA	EPA 8260 D	1,1,1-TRICHLOROETHANE	VA
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	VA	EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	VA
EPA 8260 D	1,1,2-TRICHLOROETHANE	VA	EPA 8260 D	1,1-DICHLOROETHANE	VA
EPA 8260 D	1,1-DICHLOROETHYLENE	VA	EPA 8260 D	1,1-DICHLOROPROPENE	VA
EPA 8260 D	1,2,3-TRICHLOROBENZENE	VA	EPA 8260 D	1,2,3-TRICHLOROPROPANE	VA
EPA 8260 D	1,2,4-TRICHLOROBENZENE	VA	EPA 8260 D	1,2,4-TRIMETHYLBENZENE	VA
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA	EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA	EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 8260 D	1,2-DICHLOROPROPANE	VA	EPA 8260 D	1,3,5-TRIMETHYLBENZENE	VA



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EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA	EPA 8260 D	1,3-DICHLOROPROPANE	VA
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA	EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4- DIETHYLENEOXIDE)	VA
EPA 8260 D	2,2-DICHLOROPROPANE	VA	EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA
EPA 8260 D	2-CHLOROTOLUENE	VA	EPA 8260 D	2-HEXANONE	VA
EPA 8260 D	4-CHLOROTOLUENE	VA	EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	VA
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA	EPA 8260 D	ACETONE	VA
EPA 8260 D	ACETONITRILE	VA	EPA 8260 D	ACROLEIN (PROPENAL)	VA
EPA 8260 D	ACRYLONITRILE	VA	EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	VA
EPA 8260 D	BENZENE	VA	EPA 8260 D	BROMOBENZENE	VA
EPA 8260 D	BROMOCHLOROMETHANE	VA	EPA 8260 D	BROMODICHLOROMETHANE	VA
EPA 8260 D	BROMOFORM	VA	EPA 8260 D	CARBON DISULFIDE	VA
EPA 8260 D	CARBON TETRACHLORIDE	VA	EPA 8260 D	CHLOROBENZENE	VA
EPA 8260 D	CHLORODIBROMOMETHANE	VA	EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	VA
EPA 8260 D	CHLOROFORM	VA	EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	VA
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	VA	EPA 8260 D	CIS-1,3-DICHLOROPROPENE	VA
EPA 8260 D	CYCLOHEXANE	VA	EPA 8260 D	DI-ISOPROPYLETHYER (DIPE, ISOPROPYL ETHER)	VA
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	VA	EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	VA
EPA 8260 D	ETHANOL	VA	EPA 8260 D	ETHYL METHACRYLATE	VA
EPA 8260 D	ETHYL-T-BUTYLETHYER (2-ETHOXY-2-METHYLPROPANE, ETBE)	VA	EPA 8260 D	ETHYLBENZENE	VA
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA	EPA 8260 D	IODOMETHANE (METHYL IODIDE)	VA
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	VA	EPA 8260 D	ISOPROPYLBENZENE	VA
EPA 8260 D	M+P-XYLENE	VA	EPA 8260 D	METHACRYLONITRILE	VA
EPA 8260 D	METHYL ACETATE	VA	EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	VA
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	VA	EPA 8260 D	METHYL METHACRYLATE	VA
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	VA	EPA 8260 D	METHYLCYCLOHEXANE	VA
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA	EPA 8260 D	N-BUTYLBENZENE	VA
EPA 8260 D	N-PROPYLBENZENE	VA	EPA 8260 D	NAPHTHALENE	VA
EPA 8260 D	O-XYLENE	VA	EPA 8260 D	PENTACHLOROETHANE	VA
EPA 8260 D	PENTAFLUOROBENZENE	VA	EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	VA

This Scope of Accreditation must accompany the Certificate issued by Virginia DCLS with the same Certificate Number indicated above.



Commonwealth of Virginia
Department of General Services
Division of Consolidated Laboratory Services



Scope of Accreditation

VELAP Certificate No.: 12157

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: November 01, 2022
Expiration Date: June 14, 2023

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 8260 D	SEC-BUTYLBENZENE	VA	EPA 8260 D	STYRENE	VA
EPA 8260 D	T-AMYL ETHYL ETHER (TAAE) (4,4-DIMETHYL-3-OXAHEXANE)	VA	EPA 8260 D	T-AMYLMETHYLETHER (TAME)	VA
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	VA	EPA 8260 D	TERT-BUTYLBENZENE	VA
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	VA	EPA 8260 D	TOLUENE	VA
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	VA	EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	VA	EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	VA	EPA 8260 D	VINYL ACETATE	VA
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	VA	EPA 8260 D	XYLENE (TOTAL)	VA
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	VA	EPA 8260 D - EXTENDED	CYCLOHEXANONE	VA
EPA 8260 D - EXTENDED	DIBROMOFLUOROMETHANE	VA	EPA 8260 D - EXTENDED	ISOPROPYL ACETATE	VA
EPA 8260 D - EXTENDED	N-HEXANE	VA	EPA 8260 D - EXTENDED	T-AMYL ALCOHOL (TAA)	VA
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	VA	EPA 8270 E	1,1'-BIPHENYL (BZ-0)	VA
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	VA	EPA 8270 E	1,2,4-TRICHLOROBENZENE	VA
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA	EPA 8270 E	1,2-DINITROBENZENE (1,2-DNB)	VA
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	VA	EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	VA
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA	EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	VA
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA	EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	VA
EPA 8270 E	1,4-NAPHTHOQUINONE	VA	EPA 8270 E	1,4-PHENYLENEDIAMINE	VA
EPA 8270 E	1-CHLORONAPHTHALENE	VA	EPA 8270 E	1-METHYLNAPHTHALENE	VA
EPA 8270 E	1-NAPHTHYLAMINE	VA	EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	VA
EPA 8270 E	2,4,5-TRICHLOROPHENOL	VA	EPA 8270 E	2,4,5-TRIMETHYLANILINE	VA
EPA 8270 E	2,4,6-TRICHLOROPHENOL	VA	EPA 8270 E	2,4-DICHLOROPHENOL	VA
EPA 8270 E	2,4-DIMETHYLPHENOL	VA	EPA 8270 E	2,4-DINITROPHENOL	VA
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	VA	EPA 8270 E	2,6-DICHLOROPHENOL	VA
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	VA	EPA 8270 E	2-ACETYLAMINOFUORENE	VA
EPA 8270 E	2-CHLORONAPHTHALENE	VA	EPA 8270 E	2-CHLOROPHENOL	VA
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	VA	EPA 8270 E	2-METHYLNAPHTHALENE	VA
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	VA	EPA 8270 E	2-NAPHTHYLAMINE	VA
EPA 8270 E	2-NITROANILINE	VA	EPA 8270 E	2-NITROPHENOL	VA
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	VA	EPA 8270 E	3,3'-DICHLOROBENZIDINE	VA
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	VA	EPA 8270 E	3-METHYLCHOLANTHRENE	VA
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	VA	EPA 8270 E	3-NITROANILINE	VA



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SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	VA	EPA 8270 E	4-AMINOBIIPHENYL	VA
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	VA	EPA 8270 E	4-CHLORO-3-METHYLPHENOL	VA
EPA 8270 E	4-CHLOROANILINE	VA	EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	VA
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	VA	EPA 8270 E	4-NITROANILINE	VA
EPA 8270 E	4-NITROPHENOL	VA	EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	VA
EPA 8270 E	5-NITRO-O-TOLUIDINE	VA	EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	VA
EPA 8270 E	ACENAPHTHENE	VA	EPA 8270 E	ACENAPHTHYLENE	VA
EPA 8270 E	ACETOPHENONE	VA	EPA 8270 E	AMINOAZOBENZENE	VA
EPA 8270 E	ANILINE	VA	EPA 8270 E	ANTHRACENE	VA
EPA 8270 E	ARAMITE	VA	EPA 8270 E	ATRAZINE	VA
EPA 8270 E	AZINPHOS-METHYL (GUTHION)	VA	EPA 8270 E	AZOBENZENE	VA
EPA 8270 E	BENZALDEHYDE	VA	EPA 8270 E	BENZIDINE	VA
EPA 8270 E	BENZO(A)ANTHRACENE	VA	EPA 8270 E	BENZO(A)PYRENE	VA
EPA 8270 E	BENZO(B)FLUORANTHENE	VA	EPA 8270 E	BENZO(G,H,I)PERYLENE	VA
EPA 8270 E	BENZO(K)FLUORANTHENE	VA	EPA 8270 E	BENZOIC ACID	VA
EPA 8270 E	BENZYL ALCOHOL	VA	EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	VA
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	VA	EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 8270 E	BUTYL BENZYL PHTHALATE	VA	EPA 8270 E	CAPROLACTAM	VA
EPA 8270 E	CARBAZOLE	VA	EPA 8270 E	CARBOFURAN (FURADEN)	VA
EPA 8270 E	CHLOROBENZILATE	VA	EPA 8270 E	CHRYSENE	VA
EPA 8270 E	DI-N-BUTYL PHTHALATE	VA	EPA 8270 E	DI-N-OCTYL PHTHALATE	VA
EPA 8270 E	DIALATE	VA	EPA 8270 E	DIBENZ(A, J) ACRIDINE	VA
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	VA	EPA 8270 E	DIBENZOFURAN	VA
EPA 8270 E	DIETHYL PHTHALATE	VA	EPA 8270 E	DIMETHOATE	VA
EPA 8270 E	DIMETHYL PHTHALATE	VA	EPA 8270 E	DIPHENYLAMINE	VA
EPA 8270 E	DISULFOTON	VA	EPA 8270 E	ETHYL METHANESULFONATE	VA
EPA 8270 E	FAMPHUR	VA	EPA 8270 E	FLUORANTHENE	VA
EPA 8270 E	FLUORENE	VA	EPA 8270 E	HEXACHLOROBENZENE	VA
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA	EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	VA
EPA 8270 E	HEXACHLOROETHANE	VA	EPA 8270 E	HEXACHLOROPHENE	VA
EPA 8270 E	HEXACHLOROPROPENE	VA	EPA 8270 E	INDENO(1,2,3-CD) PYRENE	VA
EPA 8270 E	ISODRIN	VA	EPA 8270 E	ISOPHORONE	VA
EPA 8270 E	ISOSAFROLE	VA	EPA 8270 E	KEPONE	VA
EPA 8270 E	MALATHION	VA	EPA 8270 E	METHAPYRILENE	VA
EPA 8270 E	METHYL METHANESULFONATE	VA	EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	VA



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SOLID AND CHEMICAL MATERIALS

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	VA	EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	VA
EPA 8270 E	N-NITROSODIETHYLAMINE	VA	EPA 8270 E	N-NITROSODIMETHYLAMINE	VA
EPA 8270 E	N-NITROSODIPHENYLAMINE	VA	EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	VA
EPA 8270 E	N-NITROSOMORPHOLINE	VA	EPA 8270 E	N-NITROSOPIPERIDINE	VA
EPA 8270 E	N-NITROSOPYRROLIDINE	VA	EPA 8270 E	NAPHTHALENE	VA
EPA 8270 E	NICOTINE	VA	EPA 8270 E	NITROBENZENE	VA
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	VA	EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	VA
EPA 8270 E	PARATHION (PARATHION - ETHYL)	VA	EPA 8270 E	PENTACHLOROBENZENE	VA
EPA 8270 E	PENTACHLOROPHENOL	VA	EPA 8270 E	PHENACETIN	VA
EPA 8270 E	PHENANTHRENE	VA	EPA 8270 E	PHENOL	VA
EPA 8270 E	PHORATE	VA	EPA 8270 E	PRONAMIDE (KERB)	VA
EPA 8270 E	PYRENE	VA	EPA 8270 E	PYRIDINE	VA
EPA 8270 E	SAFROLE	VA	EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	VA
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	VA	EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	VA
EPA 9012 B	CYANIDE, TOTAL	VA	EPA 9020 B	TOTAL ORGANIC HALIDES (TOX)	VA
EPA 9023	EXTRACTABLE ORGANIC HALIDES (EOX)	VA	EPA 9030 B	PREP: SULFIDE	VA
EPA 9045 C	PH	VA	EPA 9056 A	BROMIDE	VA
EPA 9056 A	CHLORIDE	VA	EPA 9056 A	FLUORIDE	VA
EPA 9056 A	NITRATE AS N	VA	EPA 9056 A	NITRITE AS N	VA
EPA 9056 A	ORTHOPHOSPHATE AS P	VA	EPA 9056 A	SULFATE	VA
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	VA	EPA 9065	TOTAL PHENOLICS	VA
EPA 9095 B	FREE LIQUID	VA	EPA 9215	SULFIDE	VA
SM 2320 B-2011	ALKALINITY AS CaCO ₃	VA	SM 2540 G-2011	RESIDUE-TOTAL (TS)	VA
SM 2540 G-2011	RESIDUE-VOLATILE	VA	SM 4500-CN ⁻ C-2011	PREP: CYANIDE DISTILLATION	VA
SM 4500-CN ⁻ E-2011	CYANIDE	VA	SM 4500-NO ₃ ⁻ F-2011	NITRATE/NITRITE	VA
SM 4500-P B 5-2011	PREP: TOTAL PHOSPHORUS	VA	SM 4500-P E-2011	PHOSPHORUS, TOTAL	VA
SM 9221 E + C-2006	FECAL COLIFORMS	VA			