



**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: **September 8, 2023**

Expiration Date: **June 14, 2024**

**Certificate # 12617**

A handwritten signature in black ink, reading "Denise M. Toney".

**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.

Certificate Not Transferable

Surrender Upon Revocation



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



Scope of Accreditation

VELAP Certificate No.: 12617

Enthalpy Analytical LLC  
1941 Reymet Road  
Richmond, VA 23237

Virginia Laboratory ID: 460021  
Effective Date: September 08, 2023  
Expiration Date: June 14, 2024

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             |                    |                                                     |                |

This Scope of Accreditation must accompany the Certificate issued by Virginia DCL5 with the same Certificate Number indicated above.



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| <u>METHOD</u>                   | <u>ANALYTE</u>                              | <u>PRIMARY</u> |
|---------------------------------|---------------------------------------------|----------------|
| EPA TO-15 2nd Ed.               | STYRENE                                     | VA             |
| EPA TO-15 2nd Ed.               | TETRAHYDROFURAN (THF)                       | VA             |
| EPA TO-15 2nd Ed.               | TRANS-1,2-DICHLOROETHENE                    | VA             |
| EPA TO-15 2nd Ed.               | TRICHLOROETHENE<br>(TRICHLOROETHYLENE)      | VA             |
| EPA TO-15 2nd Ed.               | VINYL ACETATE                               | VA             |
| EPA TO-15 2nd Ed.               | VINYL CHLORIDE<br>(CHLOROETHENE)            | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | 1,1,1,2-TETRACHLOROETHANE                   | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | 2-HEXANONE                                  | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | ACETONE                                     | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | ETHANOL                                     | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | ISOOCTANE<br>(2,2,4-TRIMETHYLPENTANE)       | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | N-NONANE                                    | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | N-PROPYLBENZENE                             | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | TERT-BUTYL ALCOHOL<br>(2-METHYL-2-PROPANOL) | VA             |

| <u>METHOD</u>                   | <u>ANALYTE</u>                                                  | <u>PRIMARY</u> |
|---------------------------------|-----------------------------------------------------------------|----------------|
| EPA TO-15 2nd Ed.               | TETRACHLOROETHENE<br>(PERCHLOROETHENE)                          | VA             |
| EPA TO-15 2nd Ed.               | TOLUENE                                                         | VA             |
| EPA TO-15 2nd Ed.               | TRANS-1,3-DICHLOROPROPENE<br>(TRANS-1,3-DICHLOROPROPYLENE)      | VA             |
| EPA TO-15 2nd Ed.               | TRICHLOROFLUOROMETHANE<br>(FLUOROTRICHLOROMETHANE,<br>FREON 11) | VA             |
| EPA TO-15 2nd Ed.               | VINYL BROMIDE (BROMOETHENE)                                     | VA             |
| EPA TO-15 2nd Ed.               | XYLENE (TOTAL)                                                  | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | 2-CHLOROTOLUENE                                                 | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | 4-ETHYLTOLUENE                                                  | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | CHLORODIBROMOMETHANE                                            | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | ISOBUTYL ALCOHOL<br>(2-METHYL-1-PROPANOL)                       | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | N-BUTANE                                                        | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | N-PENTANE                                                       | VA             |
| EPA TO-15 2nd Ed. -<br>EXTENDED | NAPHTHALENE                                                     | VA             |

DRINKING WATER

| <u>METHOD</u>     | <u>ANALYTE</u> | <u>PRIMARY</u> |
|-------------------|----------------|----------------|
| ENTEROLERT®       | ENTEROCOCCI    | VA             |
| EPA 200.7 REV 4.4 | BARIUM         | VA             |
| EPA 200.7 REV 4.4 | CALCIUM        | VA             |
| EPA 200.7 REV 4.4 | COPPER         | VA             |
| EPA 200.7 REV 4.4 | MAGNESIUM      | VA             |
| EPA 200.7 REV 4.4 | NICKEL         | VA             |
| EPA 200.7 REV 4.4 | SODIUM         | VA             |
| EPA 200.8 REV 5.4 | ANTIMONY       | VA             |
| EPA 200.8 REV 5.4 | BARIUM         | VA             |
| EPA 200.8 REV 5.4 | CADMIUM        | VA             |
| EPA 200.8 REV 5.4 | COPPER         | VA             |
| EPA 200.8 REV 5.4 | MANGANESE      | VA             |
| EPA 200.8 REV 5.4 | SELENIUM       | VA             |
| EPA 200.8 REV 5.4 | THALLIUM       | VA             |
| EPA 245.1 REV 3   | MERCURY        | VA             |

| <u>METHOD</u>     | <u>ANALYTE</u> | <u>PRIMARY</u> |
|-------------------|----------------|----------------|
| EPA 200.7 REV 4.4 | ALUMINUM       | VA             |
| EPA 200.7 REV 4.4 | CADMIUM        | VA             |
| EPA 200.7 REV 4.4 | CHROMIUM       | VA             |
| EPA 200.7 REV 4.4 | IRON           | VA             |
| EPA 200.7 REV 4.4 | MANGANESE      | VA             |
| EPA 200.7 REV 4.4 | SILVER         | VA             |
| EPA 200.7 REV 4.4 | ZINC           | VA             |
| EPA 200.8 REV 5.4 | ARSENIC        | VA             |
| EPA 200.8 REV 5.4 | BERYLLIUM      | VA             |
| EPA 200.8 REV 5.4 | CHROMIUM       | VA             |
| EPA 200.8 REV 5.4 | LEAD           | VA             |
| EPA 200.8 REV 5.4 | NICKEL         | VA             |
| EPA 200.8 REV 5.4 | SILVER         | VA             |
| EPA 200.8 REV 5.4 | ZINC           | VA             |
| EPA 300.0 REV 2.1 | CHLORIDE       | VA             |



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|-------------------|----------------------------------------------------|---------|-------------------|-----------------------------------------------------------------|---------|
| 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 AS N                                            | 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 (THMS)                                    | 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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|---------------------------------------------|--------------------------------|----------------|
| EPA 525.2 REV 2                             | HEXACHLOROCYCLOPENTADIENE      | VA             |
| EPA 552.3 REV 1                             | BROMOACETIC ACID               | VA             |
| EPA 552.3 REV 1                             | DIBROMOACETIC ACID             | VA             |
| EPA 552.3 REV 1                             | HALOACETIC ACIDS - FIVE (HAA5) | VA             |
| SIMPLATE                                    | HETEROTROPHIC PLATE COUNT      | VA             |
| SM 2130 B-2011                              | TURBIDITY                      | VA             |
| SM 2510 B-2011                              | CONDUCTIVITY                   | VA             |
| SM 4500-CN <sup>-</sup> C-2016              | PREP: CYANIDE DISTILLATION     | VA             |
| SM 4500-H <sup>+</sup> B-2011               | PH                             | VA             |
| SM 4500-NO <sub>3</sub> <sup>-</sup> F-2016 | NITRATE-NITRITE AS N           | VA             |
| SM 5310 C-2014                              | DISSOLVED ORGANIC CARBON (DOC) | VA             |
| SM 5540 C-2011                              | SURFACTANTS - MBAS             | VA             |
| SM 9223 B COLILERT-18 (P/A)                 | ESCHERICHIA COLI (E COLI)      | VA             |
| SM 9223 B COLILERT-18 QUANTI-TRAY (MPN)     | ESCHERICHIA COLI (E COLI)      | VA             |
| SM 9223 COLISURE®                           | ESCHERICHIA COLI (E COLI)      | VA             |

| <u>METHOD</u>                               | <u>ANALYTE</u>                  | <u>PRIMARY</u> |
|---------------------------------------------|---------------------------------|----------------|
| EPA 525.2 REV 2                             | SIMAZINE                        | VA             |
| EPA 552.3 REV 1                             | CHLOROACETIC ACID               | VA             |
| EPA 552.3 REV 1                             | DICHLOROACETIC ACID             | VA             |
| EPA 552.3 REV 1                             | TRICHLOROACETIC ACID (TCAA)     | VA             |
| SM 2120 B-2011                              | COLOR                           | VA             |
| SM 2320 B-2011                              | ALKALINITY AS CaCO <sub>3</sub> | VA             |
| SM 2540 C-2015                              | RESIDUE-FILTERABLE (TDS)        | VA             |
| SM 4500-CN <sup>-</sup> E-2016              | CYANIDE                         | VA             |
| SM 4500-NO <sub>2</sub> <sup>-</sup> B-2011 | NITRITE AS N                    | VA             |
| SM 4500-P E-2011                            | ORTHOPHOSPHATE AS P             | VA             |
| SM 5310 C-2014                              | TOTAL ORGANIC CARBON (TOC)      | VA             |
| SM 5910 B-2011                              | UV 254                          | VA             |
| SM 9223 B COLILERT-18 (P/A)                 | TOTAL COLIFORMS                 | VA             |
| SM 9223 B COLILERT-18 QUANTI-TRAY (MPN)     | TOTAL COLIFORMS                 | VA             |
| SM 9223 COLISURE®                           | TOTAL COLIFORMS                 | VA             |

NON-POTABLE WATER

| <u>METHOD</u>                 | <u>ANALYTE</u>                                                                                     | <u>PRIMARY</u> |
|-------------------------------|----------------------------------------------------------------------------------------------------|----------------|
| ASTM D7065-11                 | NONYLPHENOL                                                                                        | VA             |
| COLILERT-18 QUANTI-TRAY (MPN) | FECAL COLIFORMS                                                                                    | VA             |
| EPA 1010 B                    | FLASHPOINT                                                                                         | VA             |
| EPA 1312                      | PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)                                            | VA             |
| EPA 1664 B                    | OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (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             | ANTIMONY                                                                                           | VA             |
| EPA 200.7 REV 4.4             | BARIUM                                                                                             | VA             |
| EPA 200.7 REV 4.4             | BORON                                                                                              | VA             |
| EPA 200.7 REV 4.4             | CALCIUM                                                                                            | VA             |
| EPA 200.7 REV 4.4             | COBALT                                                                                             | VA             |
| EPA 200.7 REV 4.4             | IRON                                                                                               | VA             |
| EPA 200.7 REV 4.4             | MAGNESIUM                                                                                          | VA             |
| EPA 200.7 REV 4.4             | MOLYBDENUM                                                                                         | VA             |

| <u>METHOD</u>                 | <u>ANALYTE</u>                                                     | <u>PRIMARY</u> |
|-------------------------------|--------------------------------------------------------------------|----------------|
| COLILERT-18 QUANTI-TRAY (MPN) | ESCHERICHIA COLI (E COLI)                                          | VA             |
| ENTEROLERT®                   | ENTEROCOCCI                                                        | VA             |
| EPA 1311                      | PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)            | VA             |
| EPA 160.4                     | RESIDUE-VOLATILE                                                   | VA             |
| EPA 1664 B                    | TOTAL PETROLEUM HYDROCARBONS (TPH) (AS NONPOLAR MATERIAL, SGT-HEM) | VA             |
| EPA 200.7 REV 4.4             | ALUMINUM                                                           | VA             |
| EPA 200.7 REV 4.4             | ARSENIC                                                            | VA             |
| EPA 200.7 REV 4.4             | BERYLLIUM                                                          | VA             |
| EPA 200.7 REV 4.4             | CADMIUM                                                            | VA             |
| EPA 200.7 REV 4.4             | CHROMIUM                                                           | VA             |
| EPA 200.7 REV 4.4             | COPPER                                                             | VA             |
| EPA 200.7 REV 4.4             | LEAD                                                               | VA             |
| EPA 200.7 REV 4.4             | MANGANESE                                                          | VA             |



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| <u>METHOD</u>                | <u>ANALYTE</u>                                                           | <u>PRIMARY</u> | <u>METHOD</u>                | <u>ANALYTE</u>                                                        | <u>PRIMARY</u> |
|------------------------------|--------------------------------------------------------------------------|----------------|------------------------------|-----------------------------------------------------------------------|----------------|
| 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 <sub>2</sub>                                            | 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 218.6 REV 3.3            | CHROMIUM VI                                                           | 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 AS N                                                  | 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 <sub>3</sub>                                          | 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             | EPA 6010 D                   | COBALT                                                                | VA             |
| EPA 6010 D                   | COPPER                                                                   | VA             | EPA 6010 D                   | IRON                                                                  | VA             |
| EPA 6010 D                   | LEAD                                                                     | VA             |                              |                                                                       |                |

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Virginia Laboratory ID: 460021  
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NON-POTABLE WATER

| <u>METHOD</u> | <u>ANALYTE</u>                                      | <u>PRIMARY</u> | <u>METHOD</u>         | <u>ANALYTE</u>                      | <u>PRIMARY</u> |
|---------------|-----------------------------------------------------|----------------|-----------------------|-------------------------------------|----------------|
| 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 SIO2                      | 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<br>(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<br>(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,<br>GAMMA-HEXACHLOROCYCLOHEXANE) | VA             | EPA 608.3             | HEPTACHLOR                          | VA             |
| EPA 608.3     | HEPTACHLOR EPOXIDE                                  | VA             | EPA 608.3             | METHOXYCHLOR                        | VA             |
| EPA 608.3     | MIREX                                               | VA             | EPA 608.3             | TOXAPHENE (CHLORINATED<br>CAMPHENE) | VA             |



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|---------------|------------------------------------------------------------|----------------|---------------|-----------------------------------------------------|----------------|
| 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<br>(2-SEC-BUTYL-4,6-DINITROPHENOL,<br>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,<br>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<br>(O-DICHLOROBENZENE)          | VA             |
| EPA 624.1     | 1,2-DICHLOROETHANE (ETHYLENE<br>DICHLORIDE)                | VA             | EPA 624.1     | 1,2-DICHLOROPROPANE                                 | VA             |
| EPA 624.1     | 1,3-DICHLOROBENZENE<br>(M-DICHLOROBENZENE)                 | VA             | EPA 624.1     | 1,4-DICHLOROBENZENE<br>(P-DICHLOROBENZENE)          | VA             |
| EPA 624.1     | 2-BUTANONE (METHYL ETHYL<br>KETONE, MEK)                   | VA             | EPA 624.1     | 2-CHLOROETHYL VINYL ETHER                           | VA             |
| EPA 624.1     | 4-METHYL-2-PENTANONE (METHYL<br>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<br>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<br>(1,3-HEXACHLOROBUTADIENE)           | VA             | EPA 624.1     | M+P-XYLENE                                          | VA             |
| EPA 624.1     | METHYL BROMIDE<br>(BROMOMETHANE)                           | VA             | EPA 624.1     | METHYL CHLORIDE<br>(CHLOROMETHANE)                  | VA             |
| EPA 624.1     | METHYL TERT-BUTYL ETHER<br>(MTBE)                          | VA             | EPA 624.1     | METHYLENE CHLORIDE<br>(DICHLOROMETHANE)             | VA             |
| EPA 624.1     | NAPHTHALENE                                                | VA             | EPA 624.1     | O-XYLENE                                            | VA             |
| EPA 624.1     | TETRACHLOROETHENE<br>(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<br>(TRANS-1,3-DICHLOROPROPYLENE) | VA             |               |                                                     |                |

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



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|-----------------------|---------------------------------------------|---------|-----------------------|--------------------------------------------------|---------|
| 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 7199              | 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 (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 8141 B            | AZINPHOS-METHYL (GUTHION)                   | VA      | EPA 8141 B            | CHLORPYRIFOS                                     | VA      |
| EPA 8141 B            | DEMETON-O                                   | VA      | EPA 8141 B            | DEMETON-S                                        | VA      |
| EPA 8141 B            | DIAZINON                                    | VA      | EPA 8141 B            | DIMETHOATE                                       | VA      |
| EPA 8141 B            | DISULFOTON                                  | VA      | EPA 8141 B            | ETHION                                           | VA      |
| EPA 8141 B            | MALATHION                                   | VA      | EPA 8141 B            | METHYL PARATHION (PARATHION, METHYL)             | VA      |

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Commonwealth of Virginia  
Department of General Services  
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Scope of Accreditation

VELAP Certificate No.: 12617

Enthalpy Analytical LLC  
1941 Reymet Road  
Richmond, VA 23237

Virginia Laboratory ID: 460021  
Effective Date: September 08, 2023  
Expiration Date: June 14, 2024

NON-POTABLE WATER

| <u>METHOD</u>         | <u>ANALYTE</u>                                          | <u>PRIMARY</u> | <u>METHOD</u> | <u>ANALYTE</u>                                         | <u>PRIMARY</u> |
|-----------------------|---------------------------------------------------------|----------------|---------------|--------------------------------------------------------|----------------|
| EPA 8141 B            | PARATHION (PARATHION - ETHYL)                           | VA             | EPA 8141 B    | PHORATE                                                | VA             |
| EPA 8141 B - EXTENDED | DEMETON                                                 | 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 (DICHLORPROP)                              | VA             | EPA 8151 A    | DINOSEB<br>(2-SEC-BUTYL-4,6-DINITROPHENOL,<br>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<br>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<br>(DBCP)                  | VA             |
| EPA 8260 D            | 1,2-DIBROMOETHANE (EDB,<br>ETHYLENE DIBROMIDE)          | VA             | EPA 8260 D    | 1,2-DICHLOROBENZENE<br>(O-DICHLOROBENZENE)             | VA             |
| EPA 8260 D            | 1,2-DICHLOROETHANE (ETHYLENE<br>DICHLORIDE)             | VA             | EPA 8260 D    | 1,2-DICHLOROPROPANE                                    | VA             |
| EPA 8260 D            | 1,3,5-TRIMETHYLBENZENE                                  | VA             | EPA 8260 D    | 1,3-DICHLOROBENZENE<br>(M-DICHLOROBENZENE)             | VA             |
| EPA 8260 D            | 1,3-DICHLOROPROPANE                                     | VA             | EPA 8260 D    | 1,4-DICHLOROBENZENE<br>(P-DICHLOROBENZENE)             | VA             |
| EPA 8260 D            | 1,4-DIOXANE (P-DIOXANE /1,4-<br>DIETHYLENEOXIDE)        | VA             | EPA 8260 D    | 2,2-DICHLOROPROPANE                                    | VA             |
| EPA 8260 D            | 2-BUTANONE (METHYL ETHYL<br>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<br>(P-CYMENE,<br>P-ISOPROPYLTOLUENE) | VA             | EPA 8260 D    | 4-METHYL-2-PENTANONE (METHYL<br>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<br>(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             |

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|-----------------------|---------------------------------------------------------|----------------|-----------------------|-----------------------------------------------------------|----------------|
| 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             | 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            | TERT-AMYL ETHYL ETHER (TAEE)                              | VA             |
| EPA 8260 D            | TERT-AMYL METHYL ETHER (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             |

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|-----------------------|---------------------------------------------------------|----------------|-----------------------|-----------------------------------------|----------------|
| EPA 8260 D - EXTENDED | ISOPROPYL ACETATE                                       | VA             | EPA 8260 D - EXTENDED | N-HEXANE                                | VA             |
| EPA 8260 D - EXTENDED | TERT-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             |
| 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             |

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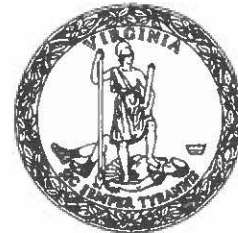
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|---------------|-----------------------------------------------------------------------|----------------|---------------|-----------------------------------------------------|----------------|
| EPA 8270 E    | BENZIDINE                                                             | 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<br>(DI(2-ETHYLHEXYL)PHTHALATE),<br>(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<br>(2-SEC-BUTYL-4,6-DINITROPHENOL,<br>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<br>(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,<br>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<br>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             |



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Virginia Laboratory ID: 460021  
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Expiration Date: June 14, 2024

NON-POTABLE WATER

| <u>METHOD</u>                                                                                              | <u>ANALYTE</u>                  | <u>PRIMARY</u> |
|------------------------------------------------------------------------------------------------------------|---------------------------------|----------------|
| EPA 8270 E                                                                                                 | PYRENE                          | VA             |
| EPA 8270 E                                                                                                 | SAFROLE                         | VA             |
| EPA 8270 E - EXTENDED                                                                                      | 2,2'-OXYBIS(1-CHLOROPROPANE)    | VA             |
| EPA 8270 E - EXTENDED                                                                                      | DINONYL PHTHALATE               | VA             |
| EPA 9020 B                                                                                                 | TOTAL ORGANIC HALIDES (TOX)     | VA             |
| EPA 9056 A                                                                                                 | BROMIDE                         | VA             |
| EPA 9056 A                                                                                                 | FLUORIDE                        | VA             |
| EPA 9056 A                                                                                                 | NITRITE AS N                    | VA             |
| EPA 9060 A                                                                                                 | TOTAL ORGANIC CARBON (TOC)      | VA             |
| EPA 9215                                                                                                   | SULFIDE                         | VA             |
| RSK-175                                                                                                    | ETHANE                          | VA             |
| RSK-175                                                                                                    | METHANE                         | VA             |
| SM 2130 B-2011                                                                                             | TURBIDITY                       | VA             |
| SM 2320 B-2011                                                                                             | ALKALINITY AS CaCO <sub>3</sub> | VA             |
| SM 2510 B-2011                                                                                             | CONDUCTIVITY                    | VA             |
| SM 2540 C-2015                                                                                             | RESIDUE-FILTERABLE (TDS)        | VA             |
| SM 2540 F-2015                                                                                             | RESIDUE-SETTLEABLE              | VA             |
| SM 4500-CN <sup>-</sup> C-2016                                                                             | PREP: CYANIDE DISTILLATION      | VA             |
| SM 4500-NO <sub>2</sub> <sup>-</sup> B-2011                                                                | NITRITE AS N                    | VA             |
| SM 4500-NO <sub>3</sub> <sup>-</sup> F-2016<br>MINUS SM 4500-NO <sub>2</sub> <sup>-</sup><br>B-2011 (CALC) | NITRATE AS N                    | VA             |
| SM 4500-P B 5-2011 (AS<br>HACH 8190)                                                                       | PREP: TOTAL PHOSPHORUS          | VA             |
| SM 4500-P E-2011                                                                                           | PHOSPHORUS, TOTAL               | VA             |
| SM 4500-S <sub>2</sub> <sup>-</sup> C-2011                                                                 | PREP: SULFIDE                   | VA             |
| SM 4500-S <sub>2</sub> <sup>-</sup> F-2011                                                                 | SULFIDE                         | VA             |
| SM 5210 B-2016                                                                                             | CARBONACEOUS BOD (CBOD)         | VA             |
| SM 5310 C-2014                                                                                             | TOTAL ORGANIC CARBON (TOC)      | VA             |

| <u>METHOD</u>                               | <u>ANALYTE</u>                                                      | <u>PRIMARY</u> |
|---------------------------------------------|---------------------------------------------------------------------|----------------|
| EPA 8270 E                                  | PYRIDINE                                                            | VA             |
| EPA 8270 E                                  | THIONAZIN (ZINOPHOS,<br>DIETHYL-O-2-PYRAZINYL<br>PHOSPHOROTHIONATE) | VA             |
| EPA 8270 E - EXTENDED                       | 4-DIMETHYL AMINOAZOBENZENE                                          | VA             |
| EPA 9012 B                                  | CYANIDE, TOTAL                                                      | VA             |
| EPA 9030 B                                  | PREP: SULFIDE                                                       | VA             |
| EPA 9056 A                                  | CHLORIDE                                                            | VA             |
| EPA 9056 A                                  | NITRATE AS N                                                        | VA             |
| EPA 9056 A                                  | SULFATE                                                             | VA             |
| EPA 9065                                    | TOTAL PHENOLICS                                                     | VA             |
| NCASI METHOD COLOR<br>71.01                 | COLOR                                                               | VA             |
| RSK-175                                     | ETHENE (ETHYLENE)                                                   | VA             |
| SM 2120 B-2011                              | COLOR                                                               | VA             |
| SM 2310 B-2011                              | ACIDITY, AS CaCO <sub>3</sub>                                       | VA             |
| SM 2340 B-2011                              | TOTAL HARDNESS AS CaCO <sub>3</sub>                                 | VA             |
| SM 2540 B-2015                              | RESIDUE-TOTAL (TS)                                                  | VA             |
| SM 2540 D-2015                              | RESIDUE-NONFILTERABLE (TSS)                                         | VA             |
| SM 3500-CR B-2011                           | CHROMIUM VI                                                         | VA             |
| SM 4500-CN <sup>-</sup> E-2016              | CYANIDE                                                             | VA             |
| SM 4500-NO <sub>3</sub> <sup>-</sup> F-2016 | NITRATE-NITRITE AS N                                                | VA             |
| SM 4500-P B 5-2011                          | PREP: TOTAL PHOSPHORUS                                              | VA             |
| SM 4500-P E-2011                            | ORTHOPHOSPHATE AS P                                                 | VA             |
| SM 4500-P E-2011 (AS<br>HACH 8190)          | PHOSPHORUS, TOTAL                                                   | VA             |
| SM 4500-S <sub>2</sub> <sup>-</sup> D-2011  | SULFIDE                                                             | VA             |
| SM 5210 B-2016                              | BIOCHEMICAL OXYGEN DEMAND<br>(BOD)                                  | VA             |
| SM 5220 D-2011                              | CHEMICAL OXYGEN DEMAND (COD)                                        | VA             |
| SM 5540 C-2011                              | SURFACTANTS - MBAS                                                  | VA             |

SOLID AND CHEMICAL MATERIALS

| <u>METHOD</u>   | <u>ANALYTE</u>                                             | <u>PRIMARY</u> |
|-----------------|------------------------------------------------------------|----------------|
| EPA 1010 B      | FLASHPOINT                                                 | VA             |
| EPA 1312        | PREP: SYNTHETIC PRECIPITATION<br>LEACHING PROCEDURE (SPLP) | VA             |
| EPA 3060 A      | PREP: HEXAVALENT CHROMIUM                                  | VA             |
| EPA 351.2 REV 2 | KJELDAHL NITROGEN - TOTAL<br>(TKN)                         | VA             |

| <u>METHOD</u>   | <u>ANALYTE</u>                                             | <u>PRIMARY</u> |
|-----------------|------------------------------------------------------------|----------------|
| EPA 1311        | PREP: TOXICITY CHARACTERISTIC<br>LEACHING PROCEDURE (TCLP) | VA             |
| EPA 3050 B      | PREP: ACID DIGESTION OF<br>SEDIMENTS, SLUDGES, AND SOILS   | VA             |
| EPA 350.1 REV 2 | AMMONIA AS N                                               | VA             |
| EPA 3550 C      | PREP: ULTRASONIC EXTRACTION                                | VA             |



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|-----------------------|-------------------------------------|----------------|---------------|---------------------------------------------------|----------------|
| EPA 3580 A            | PREP: WASTE DILUTION                | VA             | EPA 3585      | PREP: WASTE DILUTION FOR VOLATILE ORGANICS        | VA             |
| 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 SIO2                                    | 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 7199              | 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             |

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|--------------------------------|-----------------------------------------------------|----------------|--------------------------------|---------------------------------------------------------|----------------|
| 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,<br>GAMMA-HEXACHLOROCYCLOHEXA<br>NE) | VA             |
| EPA 8081 B                     | GAMMA-CHLORDANE<br>(TRANS-CHLORDANE)                | VA             | EPA 8081 B                     | HEPTACHLOR                                              | VA             |
| EPA 8081 B                     | HEPTACHLOR EPOXIDE                                  | VA             | EPA 8081 B                     | METHOXYCHLOR                                            | VA             |
| EPA 8081 B                     | TOXAPHENE (CHLORINATED<br>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 -<br>EXTENDED | AROCLOR-1262 (PCB-1262)                                 | VA             |
| EPA 8082 A - OIL -<br>EXTENDED | AROCLOR-1268 (PCB-1268)                             | VA             | EPA 8141 B                     | AZINPHOS-METHYL (GUTHION)                               | VA             |
| EPA 8141 B                     | CHLORPYRIFOS                                        | VA             | EPA 8141 B                     | DEMETON-O                                               | VA             |
| EPA 8141 B                     | DEMETON-S                                           | VA             | EPA 8141 B                     | DIAZINON                                                | VA             |
| EPA 8141 B                     | DIMETHOATE                                          | VA             | EPA 8141 B                     | DISULFOTON                                              | VA             |
| EPA 8141 B                     | ETHION                                              | VA             | EPA 8141 B                     | MALATHION                                               | VA             |
| EPA 8141 B                     | METHYL PARATHION (PARATHION,<br>METHYL)             | VA             | EPA 8141 B                     | PARATHION (PARATHION - ETHYL)                           | VA             |
| EPA 8141 B                     | PHORATE                                             | VA             | EPA 8141 B - EXTENDED          | DEMETON                                                 | 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 (DICHLORPROP)                              | VA             |
| EPA 8151 A                     | DINOSEB<br>(2-SEC-BUTYL-4,6-DINITROPHENOL,<br>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             |



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|---------------|-----------------------------------------------------|----------------|---------------|---------------------------------------------------|----------------|
| EPA 8260 D    | 1,1,2,2-TETRACHLOROETHANE                           | VA             | EPA 8260 D    | 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (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-CHLOROTOLUENE                                     | VA             | EPA 8260 D    | 2-HEXANONE                                        | VA             |
| EPA 8260 D    | 4-CHLOROTOLUENE                                     | VA             | EPA 8260 D    | 4-ISOPROPYLTOLUENE (P-CYME, 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    | DIISOPROPYLETHER (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-BUTYLETHER (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             |

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|-----------------------|-----------------------------------------------------------------|----------------|-----------------------|------------------------------------------------------------|----------------|
| EPA 8260 D            | M+P-XYLENE                                                      | VA             | EPA 8260 D            | METHACRYLONITRILE                                          | VA             |
| EPA 8260 D            | METHYL ACETATE                                                  | VA             | EPA 8260 D            | METHYL BROMIDE<br>(BROMOMETHANE)                           | VA             |
| EPA 8260 D            | METHYL CHLORIDE<br>(CHLOROMETHANE)                              | VA             | EPA 8260 D            | METHYL METHACRYLATE                                        | VA             |
| EPA 8260 D            | METHYL TERT-BUTYL ETHER<br>(MTBE)                               | VA             | EPA 8260 D            | METHYLCYCLOHEXANE                                          | VA             |
| EPA 8260 D            | METHYLENE CHLORIDE<br>(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            | TERT-AMYL ETHYL ETHER (TAE)                                     | VA             | EPA 8260 D            | TERT-AMYL METHYL ETHER (TAME)                              | VA             |
| EPA 8260 D            | TERT-BUTYL ALCOHOL<br>(2-METHYL-2-PROPANOL)                     | VA             | EPA 8260 D            | TERT-BUTYLBENZENE                                          | VA             |
| EPA 8260 D            | TETRACHLOROETHENE<br>(PERCHLOROETHENE)                          | VA             | EPA 8260 D            | TOLUENE                                                    | VA             |
| EPA 8260 D            | TRANS-1,2-DICHLOROETHENE                                        | VA             | EPA 8260 D            | TRANS-1,3-DICHLOROPROPENE<br>(TRANS-1,3-DICHLOROPROPYLENE) | VA             |
| EPA 8260 D            | TRANS-1,4-DICHLORO-2-BUTENE                                     | VA             | EPA 8260 D            | TRICHLOROETHENE<br>(TRICHLOROETHYLENE)                     | VA             |
| EPA 8260 D            | TRICHLOROFLUOROMETHANE<br>(FLUOROTRICHLOROMETHANE,<br>FREON 11) | VA             | EPA 8260 D            | VINYL ACETATE                                              | VA             |
| EPA 8260 D            | VINYL CHLORIDE<br>(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 | TERT-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<br>(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<br>(1,3,5-TNB)                       | VA             |
| EPA 8270 E            | 1,3-DICHLOROBENZENE<br>(M-DICHLOROBENZENE)                      | VA             | EPA 8270 E            | 1,3-DINITROBENZENE (1,3-DNB)                               | VA             |
| EPA 8270 E            | 1,4-DICHLOROBENZENE<br>(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             |

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Commonwealth of Virginia  
Department of General Services  
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Scope of Accreditation

VELAP Certificate No.: 12617

Enthalpy Analytical LLC  
1941 Reymet Road  
Richmond, VA 23237

Virginia Laboratory ID: 460021  
Effective Date: September 08, 2023  
Expiration Date: June 14, 2024

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    | 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<br>(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-CHLOROANIL<br>INE                      | VA             | EPA 8270 E    | 4-AMINOBIIPHENYL                                                      | VA             |
| EPA 8270 E    | 4-BROMOPHENYL PHENYL ETHER<br>(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)<br>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<br>(DI(2-ETHYLHEXYL)PHTHALATE),<br>(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             |

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|--------------------------------|--------------------------------------------------|----------------|---------------------------------------------|---------------------------------------------------------------------|----------------|
| EPA 8270 E                     | FLUORENE                                         | VA             | EPA 8270 E                                  | HEXACHLOROBENZENE                                                   | VA             |
| EPA 8270 E                     | HEXACHLOROBUTADIENE<br>(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,<br>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<br>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,<br>DIETHYL-O-2-PYRAZINYL<br>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<br>(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 <sub>3</sub>                  | VA             | SM 2540 G-2011                              | RESIDUE-TOTAL (TS)                                                  | VA             |
| SM 2540 G-2011                 | RESIDUE-VOLATILE                                 | VA             | SM 4500-CN <sup>-</sup> C-2016              | PREP: CYANIDE DISTILLATION                                          | VA             |
| SM 4500-CN <sup>-</sup> E-2016 | CYANIDE                                          | VA             | SM 4500-NO <sub>3</sub> <sup>-</sup> F-2016 | NITRATE-NITRITE AS N                                                | VA             |
| SM 4500-P B 5-2011             | PREP: TOTAL PHOSPHORUS                           | VA             | SM 4500-P E-2011                            | PHOSPHORUS, TOTAL                                                   | VA             |
| SM 9221 E-2014                 | FECAL COLIFORMS                                  | VA             |                                             |                                                                     |                |