



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



Certifies that

**VA Laboratory ID#: 460207
Element One, Inc
6319-D Carolina Beach Rd.
Wilmington, NC 28412**

Owner: KEN SMITH

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2009 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: December 15, 2020

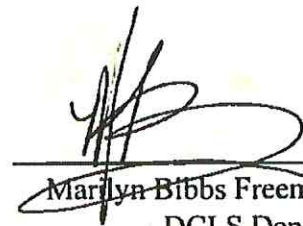
Expiration Date: December 14, 2021

Certificate # 11140

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


Marilyn Bibbs Freeman, Ph.D., M(ASCP)
DCLS Deputy Director

Surrender Upon Revocation



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



Scope of Accreditation

VELAP Certificate No.: 11140

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AIR

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 0061	CHROMIUM VI	NJ	EPA 101 A	MERCURY	NJ
EPA 104	BERYLLIUM	NJ	EPA 105	MERCURY	NJ
EPA 108	ARSENIC	NJ	EPA 108 A	ARSENIC	NJ
EPA 108 B	ARSENIC	NJ	EPA 12	LEAD	NJ
EPA 13 B	FLUORIDE	NJ	EPA 16 A	TOTAL REDUCED SULFUR	NJ
EPA 201 A	PARTICULATE MATTER	NJ	EPA 202	PARTICULATES	NJ
EPA 26	BROMINE	NJ	EPA 26	CHLORINE	NJ
EPA 26	HYDROGEN BROMIDE (HYDROBROMIC ACID)	NJ	EPA 26	HYDROGEN CHLORIDE (HYDROCHLORIC ACID)	NJ
EPA 26	HYDROGEN FLUORIDE (HYDROFLUORIC ACID)	NJ	EPA 26 A	BROMINE	NJ
EPA 26 A	CHLORINE	NJ	EPA 26 A	HYDROGEN BROMIDE (HYDROBROMIC ACID)	NJ
EPA 26 A	HYDROGEN CHLORIDE (HYDROCHLORIC ACID)	NJ	EPA 26 A	HYDROGEN FLUORIDE (HYDROFLUORIC ACID)	NJ
EPA 29 (CVAAS)	MERCURY	NJ	EPA 29 (ICP-MS)	ANTIMONY	NJ
EPA 29 (ICP-MS)	ARSENIC	NJ	EPA 29 (ICP-MS)	BARIUM	NJ
EPA 29 (ICP-MS)	BERYLLIUM	NJ	EPA 29 (ICP-MS)	CADMIUM	NJ
EPA 29 (ICP-MS)	CHROMIUM	NJ	EPA 29 (ICP-MS)	COBALT	NJ
EPA 29 (ICP-MS)	COPPER	NJ	EPA 29 (ICP-MS)	LEAD	NJ
EPA 29 (ICP-MS)	MANGANESE	NJ	EPA 29 (ICP-MS)	NICKEL	NJ
EPA 29 (ICP-MS)	PHOSPHORUS	NJ	EPA 29 (ICP-MS)	SELENIUM	NJ
EPA 29 (ICP-MS)	SILVER	NJ	EPA 29 (ICP-MS)	THALLIUM	NJ
EPA 29 (ICP-MS)	ZINC	NJ	EPA 29 (ICP-MS) -EXTENDED	MOLYBDENUM	NJ
EPA 29 (ICP-MS) -EXTENDED	TIN	NJ	EPA 29 (ICP-MS) -EXTENDED	VANADIUM	NJ
EPA 30 B	MERCURY	NJ	EPA 306 (ICP)	CHROMIUM	NJ
EPA 306 A (ICP)	CHROMIUM VI	NJ	EPA 5	PARTICULATE MATTER	NJ
EPA 5 B	PARTICULATE MATTER, NONSULFURIC ACID	NJ	EPA 5 D	PARTICULATE MATTER, BAGHOUSES	NJ
EPA 6	SULFUR DIOXIDE	NJ	EPA 6A	SULFUR DIOXIDE	NJ
EPA 6B	SULFUR DIOXIDE	NJ	EPA 8	SULFUR DIOXIDE	NJ
EPA 8	SULFUR TRIOXIDE	NJ	EPA 8	SULFURIC ACID MIST	NJ
EPA CTM 027	AMMONIA AS N	NJ			

NON-POTABLE WATER

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE	NJ	EPA 200.8 REV 5.4	ALUMINUM	NJ
EPA 200.8 REV 5.4	ANTIMONY	NJ	EPA 200.8 REV 5.4	ARSENIC	NJ

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



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NON-POTABLE WATER

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EPA 200.8 REV 5.4	BARIUM	NJ	EPA 200.8 REV 5.4	BERYLLIUM	NJ
EPA 200.8 REV 5.4	CADMIUM	NJ	EPA 200.8 REV 5.4	CHROMIUM	NJ
EPA 200.8 REV 5.4	COBALT	NJ	EPA 200.8 REV 5.4	COPPER	NJ
EPA 200.8 REV 5.4	LEAD	NJ	EPA 200.8 REV 5.4	MANGANESE	NJ
EPA 200.8 REV 5.4	MOLYBDENUM	NJ	EPA 200.8 REV 5.4	NICKEL	NJ
EPA 200.8 REV 5.4	SELENIUM	NJ	EPA 200.8 REV 5.4	SILVER	NJ
EPA 200.8 REV 5.4	THALLIUM	NJ	EPA 200.8 REV 5.4	VANADIUM	NJ
EPA 200.8 REV 5.4	ZINC	NJ	EPA 200.8 REV 5.4 - EXTENDED	CALCIUM	NJ
EPA 200.8 REV 5.4 - EXTENDED	IRON	NJ	EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	NJ
EPA 200.8 REV 5.4 - EXTENDED	POTASSIUM	NJ	EPA 200.8 REV 5.4 - EXTENDED	SODIUM	NJ
EPA 200.8 REV 5.4 - EXTENDED	TIN	NJ	EPA 200.8 REV 5.4 - EXTENDED	TITANIUM	NJ
EPA 218.6 REV 3.3	CHROMIUM VI	NJ	EPA 245.1 REV 3	MERCURY	NJ
EPA 300.0 REV 2.1	BROMIDE	NJ	EPA 300.0 REV 2.1	CHLORIDE	NJ
EPA 300.0 REV 2.1	NITRATE AS N	NJ	EPA 300.0 REV 2.1	NITRITE AS N	NJ
EPA 300.0 REV 2.1	ORTHOPHOSPHATE AS P	NJ	EPA 300.0 REV 2.1	SULFATE	NJ
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	NJ	EPA 6020 B	ALUMINUM	NJ
EPA 6020 B	ANTIMONY	NJ	EPA 6020 B	ARSENIC	NJ
EPA 6020 B	BARIUM	NJ	EPA 6020 B	BERYLLIUM	NJ
EPA 6020 B	CADMIUM	NJ	EPA 6020 B	CALCIUM	NJ
EPA 6020 B	CHROMIUM	NJ	EPA 6020 B	COBALT	NJ
EPA 6020 B	COPPER	NJ	EPA 6020 B	IRON	NJ
EPA 6020 B	LEAD	NJ	EPA 6020 B	MAGNESIUM	NJ
EPA 6020 B	MANGANESE	NJ	EPA 6020 B	MOLYBDENUM	NJ
EPA 6020 B	NICKEL	NJ	EPA 6020 B	POTASSIUM	NJ
EPA 6020 B	SELENIUM	NJ	EPA 6020 B	SILVER	NJ
EPA 6020 B	SODIUM	NJ	EPA 6020 B	THALLIUM	NJ
EPA 6020 B	TIN	NJ	EPA 6020 B	VANADIUM	NJ
EPA 6020 B	ZINC	NJ	EPA 6020 B - EXTENDED	BORON	NJ
EPA 6020 B - EXTENDED	SILICON	NJ	EPA 6020 B - EXTENDED	STRONTIUM	NJ
EPA 6020 B - EXTENDED	TITANIUM	NJ	EPA 7470 A	MERCURY	NJ
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	NJ	SM 2540 B-2011	RESIDUE-TOTAL (TS)	NJ
SM 2540 C-2011	RESIDUE-FILTERABLE (TDS)	NJ	SM 5310 B-2011	TOTAL ORGANIC CARBON (TOC)	NJ

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
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EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE	NJ	EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	NJ
EPA 3051 A	PREP: MICROWAVE ASSISTED ACID DIGESTION OF SEDIMENTS, SLUDGES, SOILS, AND OILS	NJ	EPA 3052	PREP: MICROWAVE ACID DIGESTION-SILICEOUS & ORGANIC MATRIX	NJ
EPA 6020 B	ALUMINUM	NJ	EPA 6020 B	ANTIMONY	NJ
EPA 6020 B	ARSENIC	NJ	EPA 6020 B	BARIUM	NJ
EPA 6020 B	BERYLLIUM	NJ	EPA 6020 B	CADMIUM	NJ
EPA 6020 B	CALCIUM	NJ	EPA 6020 B	CHROMIUM	NJ
EPA 6020 B	COBALT	NJ	EPA 6020 B	COPPER	NJ
EPA 6020 B	IRON	NJ	EPA 6020 B	LEAD	NJ
EPA 6020 B	MAGNESIUM	NJ	EPA 6020 B	MANGANESE	NJ
EPA 6020 B	MOLYBDENUM	NJ	EPA 6020 B	NICKEL	NJ
EPA 6020 B	POTASSIUM	NJ	EPA 6020 B	SELENIUM	NJ
EPA 6020 B	SILVER	NJ	EPA 6020 B	SODIUM	NJ
EPA 6020 B	THALLIUM	NJ	EPA 6020 B	TIN	NJ
EPA 6020 B	VANADIUM	NJ	EPA 6020 B	ZINC	NJ
EPA 6020 B - EXTENDED	BORON	NJ	EPA 6020 B - EXTENDED	SILICON	NJ
EPA 6020 B - EXTENDED	STRONTIUM	NJ	EPA 6020 B - EXTENDED	TITANIUM	NJ
EPA 7471 B	MERCURY	NJ	EPA 9045 D	PH	NJ