



**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 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: December 15, 2022

Expiration Date: December 14, 2023

Certificate # 12214

**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.



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Scope of Accreditation

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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 |
| EPA 200.8 REV 5.4 | BARIUM | NJ | EPA 200.8 REV 5.4 | BERYLLIUM | NJ |

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



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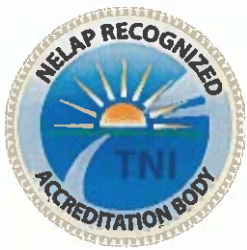
NON-POTABLE WATER

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> | <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|------------------------------|---|----------------|------------------------------|----------------------------|----------------|
| 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

| <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 3050 B | PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS | NJ |

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|-----------------------|--|----------------|-----------------------|---|----------------|
| 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 |