

DIVISION OF WATER RESOURCES LABORATORY CERTIFICATION BRANCH

In accordance with the provisions of N.C.G.S. 143-215.3 (a) (1), 143-215.3 (a)(10) and NCAC 2H.0800:



2025

Element One Inc.

Is hereby certified to perform environmental analysis as listed on the Laboratory's Certified Parameter List and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, soil and pretreatment regulations.

By reference 15A NCAC 2H .0800 is made a part of this certificate.

This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

12/31/2025

Certificate No. 604


Todd Crawford

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: Element One Inc.
 Address: 6319-D Carolina Beach Rd
 Wilmington, NC 28412-

Certificate Number: 604
 Effective Date: 1/1/2025
 Expiration Date: 12/31/2025
 Date of Last Amendment: 9/25/2024

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

INORGANIC	
ACIDITY	
SM 2310 B-2020(Aqueous)	
ALKALINITY	
SM 2320 B-2021 (Aqueous)	
BACTERIA - COLIFORM FECAL	
IDEXX Colliert #18 (MPN) (Aqueous)	
BOD	
SM 5210 B-2016 (Aqueous)	
CBOD	
SM 5210 B-2016 (Aqueous)	
CHLORIDE	
SM 4500-Cl- B-2021 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)	
CHLORINE, TOTAL RESIDUAL	
Hach 8167 HR (Aqueous)	
COD	
Hach 8000 (Aqueous)	
COLOR, PC	
SM 2120 B-2021 (PtCo) (Aqueous)	
CONDUCTIVITY	
SM 2510 B-2021 (Aqueous)	
CYANIDE	
SW-846 9014 (Total) (Colorimetric) (Aqueous)	
SW-846 9014 (Total) (Colorimetric) (Non-Aqueous)	
SM 4500-CN- E-2021 (Total) (Aqueous)	
DISSOLVED OXYGEN	
SM 4500-O C-2021 (Aqueous)	
SM 4500-O G-2021 (Aqueous)	
FLUORIDE	
SM 4500-F- C-2021 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)	
HARDNESS TOTAL - METALS	
SM 2340 B-2021 (Ca EPA 200.8, Rev. 5.4, 1994 + Mg EPA 200.8, Rev. 5.4, 1994) (Aqueous)	
HARDNESS TOTAL - WET CHEM	
SM 2340 C-2021 (Aqueous)	
IGNITABILITY	
SW-846 1030 (Non-Aqueous)	
MBAS	
SM 5540 C-2021 (Aqueous)	
NITROGEN, AMMONIA	
SM 4500-NH3 D-2021 (Aqueous)	
NITROGEN, NITRATE	
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)	
NITROGEN, NITRITE	
SM 4500-NO2- B-2021 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)	
NITROGEN, NO3 + NO2	
SM 4500-NO3- E-2019 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)	
NITROGEN, TOTAL KJELDAHL	
SM 4500-Norg C-2021 (SM 4500-NH3 D-2021) (Aqueous)	
SM 4500-Norg C-2021 (SM 4500-NH3 D-2021) (Non-Aqueous)	
ORGANIC CARBON, TOTAL	
SM 5310 B-2014 (Aqueous)	
SW-846 9060 A (Aqueous)	
pH	
SM 4500-H+B-2021 (Aqueous)	
SW-846 9040 C (Aqueous)	
SW-846 9045 D (Non-Aqueous)	
PHOSPHATE, ORTHO	
SM 4500-P E-2021 (Aqueous)	
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	

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North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: Element One Inc.
 Address: 6319-D Carolina Beach Rd
 Wilmington, NC 28412-

Certificate Number: 804
 Effective Date: 1/1/2025
 Expiration Date: 12/31/2025
 Date of Last Amendment: 9/25/2024

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

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| <p>EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)
 PHOSPHORUS, TOTAL
 SM 4500-P E-2021 (Aqueous)
 RESIDUE, DISSOLVED 180 C
 SM 2540 C-2020 (Aqueous)
 RESIDUE, SETTLEABLE
 SM 2540 F-2020 (Aqueous)
 RESIDUE, SUSPENDED
 SM 2540 D-2020 (Aqueous)
 RESIDUE, TOTAL
 SM 2540 B-2020 (Aqueous)
 SILICA - NUTRIENTS
 SM 4500-SIO2 C-2021 (Aqueous)
 SULFATE
 SM 4500-SO4²⁻ D-2021 (Aqueous)
 EPA 300.0, Rev. 2.1, 1993 (Aqueous)
 EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)
 SULFIDE
 Hach 8131 (Aqueous)
 SM 4500-S²⁻ D-2021 (Aqueous)
 SW-846 9034 (Aqueous)
 TEMPERATURE
 SM 2550 B-2010 (Aqueous)
 TURBIDITY
 SM 2130 B-2020 (Aqueous)
 METAL
 ALUMINUM
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 ANTIMONY
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)</p> | <p>SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 ARSENIC
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 BARIUM
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 BERYLLIUM
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 BORON
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 CADMIUM
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 CALCIUM
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
 CHROMIUM HEXAVALENT
 SM 3500-Cr B-2020 (Aqueous)</p> |
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North Carolina Wastewater/Groundwater Laboratory Certification

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 Address: 6319-D Carolina Beach Rd
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The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

- EPA 218.6, Rev. 3.3, 1994 (Aqueous)
- SW-846 7199 (Aqueous)
- SW-846 7199 (Non-Aqueous)
- CHROMIUM TOTAL
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- COBALT
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- COPPER
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- IRON
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- LEAD
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- MAGNESIUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- MANGANESE
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- EPA 245.1, Rev. 3.0, 1994 (Aqueous)
- SW-846 7471 B (Non-Aqueous)
- MOLYBDENUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- NICKEL
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- POTASSIUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- SELENIUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- SILVER
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- SODIUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)

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CERTIFIED PARAMETERS

- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- STRONTIUM
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- THALLIUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- TIN
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- TITANIUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- VANADIUM
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- ZINC
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)

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