

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES

LABORATORY ACCREDITATION PROGRAM



Certifies That

68-03085

Element One, Inc.

6319-D Carolina Beach Road, Wilmington, NC, 28412

Having duly met the requirement of

The act of June 29, 2002 (P.L. 596, No. 90)

dealing with Environmental Laboratories Accreditation

(27 Pa. C.S. 4104-4113) and the

National Environmental Laboratory Accreditation Program Standard

is hereby approved as an

Accredited Laboratory

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAC Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: **02/28/2022**

Certificate Number: **015**

A handwritten signature in black ink that reads "Annmarie Beach".

Annmarie Beach, Chief
Laboratory Accreditation Program
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program
Certificate not transferable Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status
PA DEP is a NELAP recognized accreditation body

Attached to Certificate of Accreditation 015-001 expiration date 02/28/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Element One, Inc.
6319-D Carolina Beach Road
Wilmington, NC 28412
(910) 793-0128

DEP Laboratory ID: 68-03085
EPA Lab Code: NC01242
TNI Code: TNI01322

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Aluminum	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Antimony	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Arsenic	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Barium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Beryllium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Cadmium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Calcium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Chromium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Cobalt	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Copper	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Iron	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Lead	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Magnesium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Manganese	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Molybdenum	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Nickel	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Potassium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Selenium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Silver	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Sodium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Thallium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Tin	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Titanium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Vanadium	NELAP	NJ	03/26/2012
EPA 200.8	5.4	Zinc	NELAP	NJ	03/26/2012
EPA 218.6		Chromium VI	NELAP	NJ	03/26/2012
EPA 245.1	3.0	Mercury	NELAP	NJ	02/12/2014
EPA 300.0	2.1	Bromide	NELAP	NJ	03/26/2012
EPA 300.0	2.1	Chloride	NELAP	NJ	03/26/2012
EPA 300.0	2.1	Fluoride	NELAP	NJ	02/09/2016
EPA 300.0	2.1	Nitrate as N	NELAP	NJ	03/26/2012
EPA 300.0	2.1	Nitrite as N	NELAP	NJ	03/26/2012
EPA 300.0	2.1	Orthophosphate as P	NELAP	NJ	03/26/2012
EPA 300.0	2.1	Sulfate	NELAP	NJ	03/26/2012
EPA 3010	A	Hot plate acid digestion (HNO ₃ + HCl)	NELAP	NJ	02/12/2014
EPA 6020	B	Metals by ICP/MS	NELAP	NJ	01/09/2019
EPA 6020	B	Aluminum	NELAP	NJ	03/26/2012
EPA 6020	B	Antimony	NELAP	NJ	03/26/2012
EPA 6020	B	Arsenic	NELAP	NJ	03/26/2012
EPA 6020	B	Barium	NELAP	NJ	03/26/2012
EPA 6020	B	Beryllium	NELAP	NJ	03/26/2012

Annmarie Beach

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TNI Code: TNI01322

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 6020	B	Boron	NELAP	NJ	03/26/2012
EPA 6020	B	Cadmium	NELAP	NJ	03/26/2012
EPA 6020	B	Calcium	NELAP	NJ	03/26/2012
EPA 6020	B	Chromium	NELAP	NJ	03/26/2012
EPA 6020	B	Cobalt	NELAP	NJ	03/26/2012
EPA 6020	B	Copper	NELAP	NJ	03/26/2012
EPA 6020	B	Iron	NELAP	NJ	03/26/2012
EPA 6020	B	Lead	NELAP	NJ	03/26/2012
EPA 6020	B	Magnesium	NELAP	NJ	03/26/2012
EPA 6020	B	Manganese	NELAP	NJ	03/26/2012
EPA 6020	B	Molybdenum	NELAP	NJ	03/26/2012
EPA 6020	B	Nickel	NELAP	NJ	03/26/2012
EPA 6020	B	Potassium	NELAP	NJ	03/26/2012
EPA 6020	B	Selenium	NELAP	NJ	03/26/2012
EPA 6020	B	Silicon	NELAP	NJ	03/26/2012
EPA 6020	B	Silver	NELAP	NJ	03/26/2012
EPA 6020	B	Sodium	NELAP	NJ	03/26/2012
EPA 6020	B	Strontium	NELAP	NJ	03/26/2012
EPA 6020	B	Thallium	NELAP	NJ	03/26/2012
EPA 6020	B	Tin	NELAP	NJ	03/26/2012
EPA 6020	B	Titanium	NELAP	NJ	03/26/2012
EPA 6020	B	Vanadium	NELAP	NJ	03/26/2012
EPA 6020	B	Zinc	NELAP	NJ	03/26/2012
EPA 7199		Chromium VI	NELAP	NJ	03/26/2012
EPA 7470	A	Mercury	NELAP	NJ	02/12/2014
EPA 9060	A	Total organic carbon (TOC)	NELAP	NJ	01/09/2019
HACH 8000		Chemical oxygen demand (COD)	NELAP	NJ	02/27/2007
SM 2540 B		Residue, total	NELAP	NJ	01/06/2010
SM 2540 C		Residue, filterable (TDS)	NELAP	NJ	02/27/2007
SM 2540 D		Residue, nonfilterable (TSS)	NELAP	NJ	02/09/2016
SM 2540 E		Residue, volatile	NELAP	NJ	02/26/2018
SM 5310 B		Total organic carbon (TOC)	NELAP	NJ	01/06/2010

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
ASTM D3987-12		Shake extraction of solid waste with water	NELAP	NJ	02/18/2020
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	NJ	02/02/2007
EPA 3050	B	Acid digestion of solids	NELAP	NJ	02/12/2014
EPA 3051	A	Microwave digestion of solids (HNO ₃ + HCl)	NELAP	NJ	02/12/2014
EPA 3051	A	Microwave digestion of solids (HNO ₃ only)	NELAP	NJ	02/12/2014

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Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 3052		Microwave digestion of solids (HNO ₃ + HF)	NELAP	NJ	02/27/2007
EPA 3060	A	Alkaline digestion of Cr(VI)	NELAP	NJ	02/27/2007
EPA 6020	B	Metals by ICP/MS	NELAP	NJ	01/09/2019
EPA 6020	B	Aluminum	NELAP	NJ	02/27/2007
EPA 6020	B	Antimony	NELAP	NJ	02/27/2007
EPA 6020	B	Arsenic	NELAP	NJ	02/27/2007
EPA 6020	B	Barium	NELAP	NJ	02/27/2007
EPA 6020	B	Beryllium	NELAP	NJ	02/27/2007
EPA 6020	B	Boron	NELAP	NJ	02/12/2014
EPA 6020	B	Cadmium	NELAP	NJ	02/27/2007
EPA 6020	B	Calcium	NELAP	NJ	02/12/2014
EPA 6020	B	Chromium	NELAP	NJ	02/27/2007
EPA 6020	B	Cobalt	NELAP	NJ	02/27/2007
EPA 6020	B	Copper	NELAP	NJ	02/27/2007
EPA 6020	B	Iron	NELAP	NJ	02/12/2014
EPA 6020	B	Lead	NELAP	NJ	02/27/2007
EPA 6020	B	Magnesium	NELAP	NJ	02/12/2014
EPA 6020	B	Manganese	NELAP	NJ	02/27/2007
EPA 6020	B	Molybdenum	NELAP	NJ	02/27/2007
EPA 6020	B	Nickel	NELAP	NJ	02/27/2007
EPA 6020	B	Potassium	NELAP	NJ	02/12/2014
EPA 6020	B	Selenium	NELAP	NJ	02/27/2007
EPA 6020	B	Silicon	NELAP	NJ	02/12/2014
EPA 6020	B	Silver	NELAP	NJ	02/27/2007
EPA 6020	B	Sodium	NELAP	NJ	02/12/2014
EPA 6020	B	Strontium	NELAP	NJ	02/27/2007
EPA 6020	B	Thallium	NELAP	NJ	02/27/2007
EPA 6020	B	Tin	NELAP	NJ	02/27/2007
EPA 6020	B	Titanium	NELAP	NJ	02/12/2014
EPA 6020	B	Vanadium	NELAP	NJ	02/27/2007
EPA 6020	B	Zinc	NELAP	NJ	02/27/2007
EPA 7199		Chromium VI	NELAP	NJ	02/27/2007
EPA 7471	B	Mercury	NELAP	NJ	02/12/2014
EPA 7473		Mercury	NELAP	NJ	02/09/2016
EPA 9045	D	pH	NELAP	NJ	01/09/2019

Caroline Beach