

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: **02/28/2024**

Certificate Number: **017**

A handwritten signature in cursive script that reads "Anmmarie Beach".

Anmmarie 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

Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 017-001 expiration date 02/28/2024. 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	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1311		10118806	Toxicity characteristic leaching procedure (TCLP)	1466	NELAP	NJ	03/26/2012
EPA 1312		10119003	Synthetic precipitation leaching procedure (SPLP)	1460	NELAP	NJ	01/11/2022
EPA 200.8	5.4	10014605	Aluminum	1000	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Antimony	1005	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Arsenic	1010	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Barium	1015	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Beryllium	1020	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Cadmium	1030	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Calcium	1035	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Chromium	1040	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Cobalt	1050	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Copper	1055	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Iron	1070	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Lead	1075	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Magnesium	1085	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Manganese	1090	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Molybdenum	1100	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Nickel	1105	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Potassium	1125	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Selenium	1140	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Silver	1150	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Sodium	1155	NELAP	NJ	03/26/2012

Carmerie Beach

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 200.8	5.4	10014605	Thallium	1165	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Tin	1175	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Titanium	1180	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Vanadium	1185	NELAP	NJ	03/26/2012
EPA 200.8	5.4	10014605	Zinc	1190	NELAP	NJ	03/26/2012
EPA 218.6	3.3	10028009	Chromium VI	1045	NELAP	NJ	03/26/2012
EPA 245.1	3.0	10036609	Mercury	1095	NELAP	NJ	02/12/2014
EPA 300.0	2.1	10053200	Bromide	1540	NELAP	NJ	03/26/2012
EPA 300.0	2.1	10053200	Chloride	1575	NELAP	NJ	03/26/2012
EPA 300.0	2.1	10053200	Fluoride	1730	NELAP	NJ	02/09/2016
EPA 300.0	2.1	10053200	Nitrate as N	1810	NELAP	NJ	03/26/2012
EPA 300.0	2.1	10053200	Nitrite as N	1840	NELAP	NJ	03/26/2012
EPA 300.0	2.1	10053200	Orthophosphate as P	1870	NELAP	NJ	03/26/2012
EPA 300.0	2.1	10053200	Sulfate	2000	NELAP	NJ	03/26/2012
EPA 3010	A	10133605	Hot plate acid digestion (HNO ₃ + HCl)	1420	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Metals by ICP/MS	1098	NELAP	NJ	01/09/2019
EPA 6020	B	10156420	Aluminum	1000	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Antimony	1005	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Arsenic	1010	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Barium	1015	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Beryllium	1020	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Boron	1025	NELAP	NJ	03/26/2012

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TNI Code: TNI01322

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 6020	B	10156420	Cadmium	1030	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Calcium	1035	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Chromium	1040	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Cobalt	1050	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Copper	1055	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Iron	1070	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Lead	1075	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Magnesium	1085	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Manganese	1090	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Molybdenum	1100	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Nickel	1105	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Potassium	1125	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Selenium	1140	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Silicon	1145	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Silver	1150	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Sodium	1155	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Strontium	1160	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Thallium	1165	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Tin	1175	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Titanium	1180	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Vanadium	1185	NELAP	NJ	03/26/2012
EPA 6020	B	10156420	Zinc	1190	NELAP	NJ	03/26/2012

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 7199		10163005	Chromium VI	1045	NELAP	NJ	03/26/2012
EPA 7470	A	10165807	Mercury	1095	NELAP	NJ	02/12/2014
EPA 9060	A	10244823	Total organic carbon (TOC)	2040	NELAP	NJ	01/09/2019
HACH 8000		60003001	Chemical oxygen demand (COD)	1565	NELAP	NJ	02/27/2007
SM 2540B - 2015	23rd ed.	20048684	Residue, total	1950	NELAP	NJ	01/06/2010
SM 2540C - 2015	23rd ed.	20050457	Residue, filterable (TDS)	1955	NELAP	NJ	02/27/2007
SM 2540D - 2015	23rd ed.	20050446	Residue, nonfilterable (TSS)	1960	NELAP	NJ	02/09/2016
SM 2540E - 2015	23rd ed.	20051234	Residue, volatile	1970	NELAP	NJ	02/26/2018
SM 5310B - 2014	23rd ed.	20137637	Total organic carbon (TOC)	2040	NELAP	NJ	01/06/2010

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
ASTM D3987-12		30030718	Shake extraction of solid waste with water	1386	NELAP	NJ	02/18/2020
EPA 1311		10118806	Toxicity characteristic leaching procedure (TCLP)	1466	NELAP	NJ	02/02/2007
EPA 1312		10119003	Synthetic precipitation leaching procedure (SPLP)	1460	NELAP	NJ	01/11/2022
EPA 3050	B	10135601	Acid digestion of solids	1400	NELAP	NJ	02/12/2014
EPA 3051	A	10136002	Microwave digestion of solids (HNO ₃ + HCl)	1433	NELAP	NJ	02/12/2014
EPA 3051	A	10136002	Microwave digestion of solids (HNO ₃ only)	1451	NELAP	NJ	02/12/2014
EPA 3052		10136206	Microwave digestion of solids (HNO ₃ + HF)	1449	NELAP	NJ	02/27/2007
EPA 3060	A	10136604	Alkaline digestion of Cr(VI)	1402	NELAP	NJ	02/27/2007

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Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 6020	B	10156420	Metals by ICP/MS	1098	NELAP	NJ	01/09/2019
EPA 6020	B	10156420	Aluminum	1000	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Antimony	1005	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Arsenic	1010	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Barium	1015	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Beryllium	1020	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Boron	1025	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Cadmium	1030	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Calcium	1035	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Chromium	1040	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Cobalt	1050	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Copper	1055	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Iron	1070	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Lead	1075	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Magnesium	1085	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Manganese	1090	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Molybdenum	1100	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Nickel	1105	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Potassium	1125	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Selenium	1140	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Silicon	1145	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Silver	1150	NELAP	NJ	02/27/2007

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EPA 6020	B	10156420	Sodium	1155	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Strontium	1160	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Thallium	1165	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Tin	1175	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Titanium	1180	NELAP	NJ	02/12/2014
EPA 6020	B	10156420	Vanadium	1185	NELAP	NJ	02/27/2007
EPA 6020	B	10156420	Zinc	1190	NELAP	NJ	02/27/2007
EPA 7199		10163005	Chromium VI	1045	NELAP	NJ	02/27/2007
EPA 7471	B	10166457	Mercury	1095	NELAP	NJ	02/12/2014
EPA 7473		10166800	Mercury	1095	NELAP	NJ	02/09/2016
EPA 9045	D	10198455	pH	1900	NELAP	NJ	01/09/2019

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