

*State of New Jersey*  
*Department of Environmental Protection*  
*Certifies That*

ELEMENT ONE INC

Laboratory Certification ID # NC009

*is hereby approved as a*

**Nationally Accredited Environmental Laboratory**  
*to perform the analyses as indicated on the Annual Certified Parameter List*  
*which must accompany this certificate to be valid*

*having duly met the requirements of the*

**Regulations Governing the Certification of**  
**Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.**

*and*

*having been found compliant with the 2016 TNI Standard approved by the*

**The NELAC Institute**

**Expires June 30, 2023**



NJDEP is a NELAP Recognized Accreditation Body

A blue ink signature of Michele M. Potter.

Michele M. Potter  
Manager



New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program

## Annual Certified Parameter List and Current Status

Effective as of 7/07/2022 until 6/30/2023

Laboratory Name: ELEMENT ONE INC Laboratory Number: NC009 Activity ID: NLC 220002  
6319-D CAROLINA BEACH RD  
WILMINGTON NC 28412



**Category: AE01 --Inorganics - Non-Metals Analysis**

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE01.00001	Ammonia	Ion Chromatography	EPA CTM027	NJ
Certified	Yes	AE01.00050	Bromine	Ion Chromatography	EPA 26	NJ
Certified	Yes	AE01.00100	Bromine	Ion Chromatography	EPA 26A	NJ
Certified	Yes	AE01.00350	Chlorine	Ion Chromatography	EPA 26	NJ
Certified	Yes	AE01.00400	Chlorine	Ion Chromatography	EPA 26A	NJ
Certified	Yes	AE01.00450	Chromium (VI)	IC/PCR	EPA 306	NJ
Certified	Yes	AE01.00500	Chromium (VI)	IC/PCR	EPA 306A	NJ
Certified	Yes	AE01.00550	Fluoride	SPADNS Colorimetric	EPA 13A	NJ
Certified	Yes	AE01.00600	Fluoride	Specific Ion Electrode	EPA 13B	NJ
Certified	Yes	AE01.00700	Hydrogen bromide	Ion Chromatography	EPA 26	NJ
Certified	Yes	AE01.00750	Hydrogen bromide	Ion Chromatography	EPA 26A	NJ
Certified	Yes	AE01.00800	Hydrogen chloride	Ion Chromatography	EPA 26	NJ
Certified	Yes	AE01.00850	Hydrogen chloride	Ion Chromatography	EPA 26A	NJ
Certified	Yes	AE01.00950	Hydrogen fluoride	Ion Chromatography	EPA 26	NJ
Certified	Yes	AE01.01000	Hydrogen fluoride	Ion Chromatography	EPA 26A	NJ
Certified	Yes	AE01.01500	Particulate Matter	Gravimetric	EPA 17	NJ
Certified	Yes	AE01.01550	Particulate Matter	Gravimetric	EPA 201	NJ
Certified	Yes	AE01.01600	Particulate Matter	Gravimetric	EPA 201A	NJ
Certified	Yes	AE01.01650	Particulate Matter	Gravimetric	EPA 202	NJ
Certified	Yes	AE01.01800	Particulate Matter	Gravimetric	EPA 5	NJ
Certified	Yes	AE01.01850	Particulate Matter	Gravimetric	EPA 5A	NJ
Certified	Yes	AE01.01900	Particulate Matter	Gravimetric	EPA 5B	NJ
Certified	Yes	AE01.01950	Particulate Matter	Gravimetric	EPA 5D	NJ
Certified	Yes	AE01.02000	Particulate Matter	Gravimetric	EPA 5E	NJ
Certified	Yes	AE01.02050	Particulate Matter	Gravimetric	EPA 5F	NJ
Certified	Yes	AE01.02100	Particulate Matter	Gravimetric	EPA 5G	NJ
Certified	Yes	AE01.02150	Particulate Matter	Gravimetric	EPA 5H	NJ



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6319-D CAROLINA BEACH RD  
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### Category: AE01 --Inorganics - Non-Metals Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE01.02350	Particulate Matter	Gravimetric	Other NJ Air Test Method 1	NJ
Certified	Yes	AE01.02500	Sulfur Dioxide	Barium-Thorin Titration	EPA 6	NJ
Certified	Yes	AE01.02550	Sulfur Dioxide	Gravimetric	EPA 6A	NJ
Certified	Yes	AE01.02600	Sulfur Dioxide	Gravimetric	EPA 6B	NJ
Certified	Yes	AE01.02650	Sulfur Dioxide	Barium-Thorin Titration	EPA 8	NJ
Certified	No	AE01.02700	Sulfur Dioxide	Ion Chromatography	EPA 8	NJ
Certified	No	AE01.02750	Sulfur Trioxide	Ion Chromatography	EPA 8	NJ
Certified	Yes	AE01.02800	Sulfur, Total Reduced	Barium-Thorin Titration	EPA 15A	NJ
Certified	Yes	AE01.02850	Sulfur, Total Reduced	Barium-Thorin Titration	EPA 16A	NJ
Certified	Yes	AE01.02900	Sulfuric acid	Barium-Thorin Titration	EPA 8	NJ
Certified	No	AE01.02950	Sulfuric acid	Ion Chromatography	EPA 8	NJ

### Category: AE02 --Inorganics - Metals Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE02.00001	Mercury (Elemental, Oxidized, Particle-Bound and Total)	AA, Cold Vapor	ASTM D6784	NJ
Certified	Yes	AE02.00100	Metals	Sampling Train	EPA 60	NJ
Certified	Yes	AE02.00150	Chromium (VI)	Sampling Train	EPA 0061	NJ
Certified	Yes	AE02.00250	Mercury	AA, Cold Vapor	EPA 101A	NJ
Certified	Yes	AE02.00500	Beryllium	ICP/MS	EPA 103	NJ
Certified	Yes	AE02.00700	Beryllium	ICP/MS	EPA 104	NJ
Certified	Yes	AE02.00750	Mercury	AA, Cold Vapor	EPA 105	NJ
Certified	Yes	AE02.00850	Arsenic	ICP/MS	EPA 108	NJ

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Category: AE02 --Inorganics - Metals Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE02.00950	Arsenic	ICP/MS	EPA 108A	NJ
Certified	Yes	AE02.01050	Arsenic	ICP/MS	EPA 108B	NJ
Certified	Yes	AE02.01200	Lead	ICP/MS	EPA 12	NJ
Certified	Yes	AE02.01250	Mercury	AA, Cold Vapor	EPA 29	NJ
Certified	Yes	AE02.04250	Aluminum	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04300	Antimony	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04350	Arsenic	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04400	Barium	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04450	Beryllium	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04500	Cadmium	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04550	Chromium	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04600	Cobalt	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04650	Copper	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04750	Lead	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04800	Manganese	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04850	Molybdenum	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04900	Nickel	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.04950	Phosphorus	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.05000	Selenium	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.05050	Silver	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.05100	Thallium	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.05150	Tin	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.05200	Vanadium	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.05250	Zinc	ICP/MS	EPA 29	NJ
Certified	Yes	AE02.05400	Chromium	ICP/MS	EPA 306	NJ
Certified	Yes	AE02.05550	Chromium	ICP/MS	EPA 306A	NJ
Certified	Yes	AE02.05600	Mercury (Total Vapor Phase)	Sorbent Trap / Extract or Thermal Desorption / AA	EPA 30B	NJ

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**Category: NPW03--Inorganic Parameters**

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW03.02400	Bromide	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.03550	Chemical oxygen demand	Spectrophotometric Manual/Auto	Other HACH 8000 (1979)	NJ
Certified	Yes	NPW03.04900	Chloride	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.08500	Fluoride	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.11050	Nitrate	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.13650	Nitrite	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.15550	Orthophosphate	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.17850	Residue - filterable (TDS)	Gravimetric, 180 Degrees C	SM 2540 C-15	NJ
Certified	Yes	NPW03.18000	Residue - nonfilterable (TSS)	Gravimetric, 103-105 Degrees C, Post Washing	SM 2540 D-15	NJ
Certified	Yes	NPW03.18150	Residue - total	Gravimetric, 103-105 Degrees C	SM 2540 B-15	NJ
Certified	Yes	NPW03.18300	Residue - volatile	Gravimetric, 550 Degrees C	SM 2540 E-15	NJ
Certified	Yes	NPW03.19850	Sulfate	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.21110	Total organic carbon (TOC)	Combustion	SM 5310 B-14	NJ
Certified	Yes	NPW03.21450	Total organic carbon (TOC)	Infrared Spectrometry or FID	SW-846 9060A	NJ

**Category: NPW06--Metals - NPW Preparation Methods**

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW06.00050	Metals	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ
Certified	Yes	NPW06.00100	Metals	Synthetic PPT Leachate Procedure	SW-846 1312	NJ

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WILMINGTON NC 28412

**Category: NPW06--Metals - NPW Preparation Methods**

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW06.00250	Metals, Total	Acid Digestion/Aqueous Samples	SW-846 3010A	NJ

**Category: NPW07--Metals**

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW07.03200	Chromium (VI)	0.45u Filter, Ion Chromatography	EPA 218.6	NJ
Certified	Yes	NPW07.03350	Mercury	Manual Cold Vapor	EPA 245.1	NJ
Certified	Yes	NPW07.12100	Chromium (VI)	Ion Chromatography	SW-846 7199	NJ
Certified	Yes	NPW07.12150	Mercury - liquid waste	AA, Manual Cold Vapor	SW-846 7470A	NJ

**Category: NPW08--Metals - ICP, ICP/MS and DCP**

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW08.05650	Aluminum	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.05700	Antimony	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.05750	Arsenic	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.05800	Barium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.05850	Beryllium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.05950	Cadmium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06000	Calcium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06050	Chromium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06100	Cobalt	Digestion, ICP/MS	EPA 200.8	NJ



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6319-D CAROLINA BEACH RD  
WILMINGTON NC 28412



Category: NPW08--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW08.06150	Copper	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06250	Iron	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06300	Lead	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06350	Magnesium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06400	Manganese	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06450	Molybdenum	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06500	Nickel	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06550	Potassium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06600	Selenium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06700	Silver	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06750	Sodium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06850	Thallium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.06950	Tin	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.07000	Titanium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.07150	Vanadium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.07200	Zinc	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.14400	Aluminum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14450	Antimony	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14500	Arsenic	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14550	Barium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14600	Beryllium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14650	Boron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14700	Cadmium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14750	Calcium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14800	Chromium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14850	Cobalt	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.14900	Copper	ICP/MS	SW-846 6020B	NJ

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Laboratory Name: ELEMENT ONE INC Laboratory Number: NC009 Activity ID: NLC 220002  
6319-D CAROLINA BEACH RD  
WILMINGTON NC 28412

Category: NPW08--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW08.14950	Iron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15000	Lead	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15050	Magnesium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15100	Manganese	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15150	Molybdenum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15200	Nickel	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15250	Potassium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15300	Selenium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15350	Silicon	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15400	Silver	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15450	Sodium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15500	Strontium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15550	Thallium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15650	Tin	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15700	Titanium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15850	Vanadium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.15900	Zinc	ICP/MS	SW-846 6020B	NJ

Category: NPW09--Organics - NPW Preparation Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW09.00450	Semivolatile organics	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ



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Laboratory Name: ELEMENT ONE INC Laboratory Number: NC009 Activity ID: NLC 220002  
6319-D CAROLINA BEACH RD  
WILMINGTON NC 28412

## Category: SCM02--Characteristics of Hazardous Waste

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM02.00800	pH - soil and waste	Mix with Water or Calcium Chlorides	SW-846 9045D	NJ

## Category: SCM03--Inorganic Parameters and Preparation

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	SCM03.05000	Total, fixed, and volatile solids (SQAR)	Gravimetric, 500 Degrees C	SM 2540 G SM 18th Ed.	NJ

## Category: SCM05--Metals - SCM Preparation Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM05.00050	Metals	Acid Digestion, Soil Sediment & Sludge	SW-846 3050B	NJ
Certified	Yes	SCM05.00100	Metals	Chromium VI Digestion	SW-846 3060A	NJ
Certified	Yes	SCM05.00300	Metals	Microwave Acid Digest - Siliceous & Org Matrix	SW-846 3052	NJ
Certified	Yes	SCM05.00350	Metals	Microwave Acid Digest: Soil Sediment & Sludge	SW-846 3051A	NJ
Certified	Yes	SCM05.00500	Metals	Shake, Extraction with Water	ASTM D3987-12	NJ
Certified	Yes	SCM05.00550	Metals	Synthetic PPT Leachate Procedure	SW-846 1312	NJ
Certified	Yes	SCM05.00600	Metals	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ

## Category: SCM06--Metals

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Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM06.02750	Chromium (VI)	Ion Chromatography	SW-846 7199	NJ
Certified	Yes	SCM06.02800	Mercury - solid waste	AA, Manual Cold Vapor	SW-846 7471B	NJ
Certified	Yes	SCM06.02850	Mercury - solid waste	AA, Thermal Decomposition, Amalgamation	SW-846 7473	NJ

**Category: SCM07--Metals - ICP, ICP/MS and DCP**

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM07.01600	Aluminum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01650	Antimony	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01700	Arsenic	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01750	Barium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01800	Beryllium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01850	Boron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01900	Cadmium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01950	Calcium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02000	Chromium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02050	Cobalt	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02100	Copper	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02150	Iron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02200	Lead	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02250	Magnesium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02300	Manganese	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02350	Molybdenum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02400	Nickel	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02450	Potassium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02500	Selenium	ICP/MS	SW-846 6020B	NJ



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## Category: SCM07--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM07.02550	Silicon	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02600	Silver	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02650	Sodium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02700	Strontium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02750	Thallium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02850	Tin	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.02900	Titanium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.03050	Vanadium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.03100	Zinc	ICP/MS	SW-846 6020B	NJ

## Category: SCM08--Organics - SCM Prep. / Screening Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM08.00700	Semivolatiles organics	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ

  
Michele M. Potter, Manager