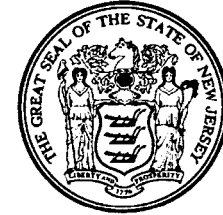


State of New Jersey
Department of Environmental Protection



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.

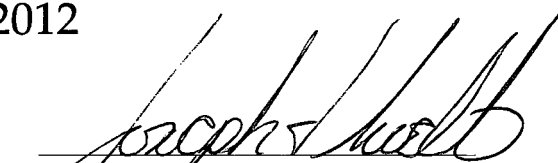
and

having been found compliant with the standards approved by the
The NELAC Institute

Expiration Date June 30, 2012



NJDEP is a NELAP Recognized Accreditation Body


Joseph F. Aiello, Chief
Office of Quality Assurance

New Jersey Department of Environmental Protection
National Environmental Laboratory Accreditation Program
ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS
Effective as of 07/01/2011 until 06/30/2012



Laboratory Name: ELEMENT ONE INC Laboratory Number: NC009 Activity ID: NLC110001
5022 C WRIGHTSVILLE AVE
WILMINGTON, NC 28403

Category: CAP01 -- Atmos. Inorg. Parameters, Non-Metals

Status	Eligible to Report		Code	Matrix	Technique Description	Approved Method	Parameter Description
	NJ Data	State					
Certified	Yes	NJ	CAP01.00003	AE	Ion Chromatography	[EPA CTM027]	Ammonia
Certified	Yes	NJ	CAP01.00035	AE	Specific Ion Electrode	[EPA 13B]	Fluoride
Certified	Yes	NJ	CAP01.00041	AE	Ion Chromatography	[EPA 26] [EPA 26A]	Bromine
Certified	Yes	NJ	CAP01.00042	AE	Ion Chromatography	[EPA 26] [EPA 26A]	Chlorine
Certified	Yes	NJ	CAP01.00044	AE	Ion Chromatography	[EPA 26] [EPA 26A]	Hydrogen bromide
Certified	Yes	NJ	CAP01.00046	AE	Ion Chromatography	[EPA 26] [EPA 26A]	Hydrogen chloride
Certified	Yes	NJ	CAP01.00048	AE	Ion Chromatography	[EPA 26] [EPA 26A]	Hydrogen fluoride
Certified	Yes	NJ	CAP01.00055	AE	Emission Sampling Train	[EPA 0051, Rev 0, 12/96]	Impinger HCl/Cl2
Certified	Yes	NJ	CAP01.00065	AE	Emission Sampling Train	[EPA 0050, Rev 0, 12/96]	Isokinetic HCl/Cl2
Certified	Yes	NJ	CAP01.00105	AE	Gravimetric	[EPA 5] [EPA 5D]	Particulate Matter
Certified	Yes	NJ	CAP01.00110	AE	Gravimetric	[EPA 5A]	Particulate Matter
Certified	Yes	NJ	CAP01.00115	AE	Gravimetric	[EPA 5B]	Particulate Matter
Certified	Yes	NJ	CAP01.00120	AE	Gravimetric	[EPA 5E]	Particulate Matter
Certified	Yes	NJ	CAP01.00125	AE	Gravimetric	[EPA 5F]	Particulate Matter
Certified	Yes	NJ	CAP01.00130	AE	Gravimetric	[EPA 5G]	Particulate Matter
Certified	Yes	NJ	CAP01.00135	AE	Gravimetric	[EPA 5H]	Particulate Matter
Certified	Yes	NJ	CAP01.00140	AE	Gravimetric	[EPA 201]	Particulate Matter
Certified	Yes	NJ	CAP01.00145	AE	Gravimetric	[EPA 201A]	Particulate Matter
Certified	Yes	NJ	CAP01.00150	AE	Gravimetric	[EPA 202]	Particulate Matter
Certified	Yes	NJ	CAP01.00170	AE	ICP/MS	[EPA 29]	Phosphorus
Certified	Yes	NJ	CAP01.00185	AE	Barium-Thorin Titration	[EPA 15A]	Sulfur, Total Reduced
Certified	Yes	NJ	CAP01.00190	AE	Barium-Thorin Titration	[EPA 16A]	Sulfur, Total Reduced
Certified	Yes	NJ	CAP01.00200	AE	Barium-Thorin Titration	[EPA 6]	Sulfur Dioxide
Certified	Yes	NJ	CAP01.00205	AE	Gravimetric	[EPA 6A] [EPA 6B]	Sulfur Dioxide
Certified	Yes	NJ	CAP01.00210	AE	Barium-Thorin Titration	[EPA 8]	Sulfuric acid

Category: CAP02 -- Atmospheric Inorganic Parameters, Metals

Status	Eligible to Report		Code	Matrix	Technique Description	Approved Method	Parameter Description
	NJ Data	State					
Certified	Yes	NJ	CAP02.00004	AE	ICP/MS	[EPA 29]	Aluminum

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

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Category: CAP02 -- Atmospheric Inorganic Parameters, Metals

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	CAP02.00020	AE	ICP/MS	[EPA 29]	Antimony
Certified	Yes	NJ	CAP02.00040	AE	ICP/MS	[EPA 29] [EPA 108] [EPA 108A] [EPA 108B]	Arsenic
Certified	Yes	NJ	CAP02.00055	AE	Atomic Absorption	[EPA 108B]	Arsenic
Certified	Yes	NJ	CAP02.00070	AE	ICP/MS	[EPA 29]	Barium
Certified	Yes	NJ	CAP02.00090	AE	ICP/MS	[EPA 29] [EPA 103] [EPA 104]	Beryllium
Certified	Yes	NJ	CAP02.00115	AE	ICP/MS	[EPA 29]	Cadmium
Certified	Yes	NJ	CAP02.00130	AE	ICP	[EPA 306] [EPA 306A]	Chromium
Certified	Yes	NJ	CAP02.00135	AE	ICP/MS	[EPA 29] [EPA 306]	Chromium
Certified	Yes	NJ	CAP02.00140	AE	Sampling Train	[EPA 0061, Rev 0, 12/96]	Chromium (VI)
Certified	Yes	NJ	CAP02.00145	AE	IC/PCR	[EPA 306] [EPA 306A]	Chromium (VI)
Certified	Yes	NJ	CAP02.00165	AE	ICP/MS	[EPA 29]	Cobalt
Certified	Yes	NJ	CAP02.00185	AE	ICP/MS	[EPA 29]	Copper
Certified	Yes	NJ	CAP02.00190	AE	Atomic Absorption	[EPA 12]	Lead
Certified	Yes	NJ	CAP02.00205	AE	ICP/MS	[EPA 29] [EPA 12]	Lead
Certified	Yes	NJ	CAP02.00225	AE	ICP/MS	[EPA 29]	Manganese
Certified	Yes	NJ	CAP02.00230	AE	AA, Cold Vapor	[EPA 29]	Mercury
Certified	Yes	NJ	CAP02.00235	AE	AA, Cold Vapor	[EPA 101A]	Mercury
Certified	Yes	NJ	CAP02.00240	AE	Sampling Train	[EPA 0060, Rev 0, 12/96]	Metals
Certified	Yes	NJ	CAP02.00244	AE	ICP/MS	[EPA 29]	Molybdenum
Certified	Yes	NJ	CAP02.00260	AE	ICP/MS	[EPA 29]	Nickel
Certified	Yes	NJ	CAP02.00280	AE	ICP/MS	[EPA 29]	Selenium
Certified	Yes	NJ	CAP02.00300	AE	ICP/MS	[EPA 29]	Silver
Certified	Yes	NJ	CAP02.00304	AE	ICP/MS	[EPA 29]	Tin
Certified	Yes	NJ	CAP02.00320	AE	ICP/MS	[EPA 29]	Thallium
Certified	Yes	NJ	CAP02.00324	AE	ICP/MS	[EPA 29]	Vanadium
Certified	Yes	NJ	CAP02.00340	AE	ICP/MS	[EPA 29]	Zinc
Certified	Yes	NJ	CAP02.02020	AE	Sorbent Trap / Extract or Thermal Desorption / AA	[EPA 30B]	Mercury (Total Vapor Phase)
Certified	Yes	NJ	CAP02.02027	AE	AA, Cold Vapor	[ASTM D6784]	Mercury (Elemental, Oxidized, Particle-Bound and Total)

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Category: SHW02 -- Characteristics of Hazardous Waste

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW02.03000	NPW	Aqueous Waste, Potentiometric	[SW-846 9040B, Rev. 2, 1/95]	Corrosivity - pH waste, >20% water

Category: SHW04 -- Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.01500	NPW	Acid Digestion/Aqueous Samples, ICP, FLAA	[SW-846 3010A, Rev. 1, 7/92]	Metals, Total
Certified	Yes	NJ	SHW04.33000	NPW	AA, Manual Cold Vapor	[SW-846 7470A, Rev. 1, 9/94]	Mercury - liquid waste

Category: WPP02 -- Inorg. Parameters, Nutrients and Demands

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP02.07100	NPW	Ion Chromatography	[EPA 300.0]	Bromide
Certified	Yes	NJ	WPP02.08050	NPW	ICP/MS	[EPA 200.8]	Calcium
Certified	Yes	NJ	WPP02.10500	NPW	Spectrophotometric Manual/Auto	[OTHER Hach 8000]	Chemical oxygen demand
Certified	Yes	NJ	WPP02.12600	NPW	Ion Chromatography	[EPA 300.0]	Chloride
Certified	Yes	NJ	WPP02.24050	NPW	ICP/MS	[EPA 200.8]	Magnesium
Certified	Yes	NJ	WPP02.26100	NPW	Ion Chromatography	[EPA 300.0]	Nitrate
Certified	Yes	NJ	WPP02.28600	NPW	Ion Chromatography	[EPA 300.0]	Nitrite
Certified	Yes	NJ	WPP02.30000	NPW	Combustion or Oxidation	[SM 5310 B, C or D]	Total organic carbon (TOC)
Certified	Yes	NJ	WPP02.32100	NPW	Ion Chromatography	[EPA 300.0]	Orthophosphate
Certified	Yes	NJ	WPP02.36550	NPW	ICP/MS	[EPA 200.8]	Potassium
Certified	Yes	NJ	WPP02.38000	NPW	Gravimetric, 103-105 Degrees C	[SM 2540 B]	Residue - total
Certified	Yes	NJ	WPP02.38500	NPW	Gravimetric, 180 Degrees C	[SM 2540 C]	Residue - filterable (TDS)
Certified	Yes	NJ	WPP02.40100	NPW	Gravimetric, 500 Degrees C	[SM 2540 G]	Total, fixed, and volatile solids (SQAR)
Certified	Yes	NJ	WPP02.44050	NPW	ICP/MS	[EPA 200.8]	Sodium
Certified	Yes	NJ	WPP02.47100	NPW	Ion Chromatography	[EPA 300.0]	Sulfate

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Category: WPP04 – Inorganic Parameters, Metals

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	WPP04.02100	NPW	ICP/MS	[EPA 200.8]	Aluminum
Certified	Yes	NJ	WPP04.04600	NPW	ICP/MS	[EPA 200.8]	Antimony
Certified	Yes	NJ	WPP04.05700	NPW	ICP/MS	[EPA 200.8]	Arsenic
Certified	Yes	NJ	WPP04.08200	NPW	ICP/MS	[EPA 200.8]	Barium
Certified	Yes	NJ	WPP04.11100	NPW	ICP/MS	[EPA 200.8]	Beryllium
Certified	Yes	NJ	WPP04.13600	NPW	ICP/MS	[EPA 200.8]	Cadmium
Certified	Yes	NJ	WPP04.15100	NPW	0.45u Filter, Ion Chromatography	[EPA 218.6]	Chromium (VI)
Certified	Yes	NJ	WPP04.18100	NPW	ICP/MS	[EPA 200.8]	Chromium
Certified	Yes	NJ	WPP04.19600	NPW	ICP/MS	[EPA 200.8]	Cobalt
Certified	Yes	NJ	WPP04.21600	NPW	ICP/MS	[EPA 200.8]	Copper
Certified	Yes	NJ	WPP04.26550	NPW	ICP/MS	[EPA 200.8]	Iron
Certified	Yes	NJ	WPP04.28100	NPW	ICP/MS	[EPA 200.8]	Lead
Certified	Yes	NJ	WPP04.31100	NPW	ICP/MS	[EPA 200.8]	Manganese
Certified	Yes	NJ	WPP04.33000	NPW	Manual Cold Vapor	[EPA 245.1]	Mercury
Certified	Yes	NJ	WPP04.35200	NPW	ICP/MS	[EPA 200.8]	Molybdenum
Certified	Yes	NJ	WPP04.37600	NPW	ICP/MS	[EPA 200.8]	Nickel
Certified	Yes	NJ	WPP04.45600	NPW	ICP/MS	[EPA 200.8]	Selenium
Certified	Yes	NJ	WPP04.48200	NPW	ICP/MS	[EPA 200.8]	Silver
Certified	Yes	NJ	WPP04.50100	NPW	ICP/MS	[EPA 200.8]	Thallium
Certified	Yes	NJ	WPP04.51200	NPW	ICP/MS	[EPA 200.8]	Tin
Certified	Yes	NJ	WPP04.52070	NPW	ICP/MS	[EPA 200.8]	Titanium
Certified	Yes	NJ	WPP04.54100	NPW	ICP/MS	[EPA 200.8]	Vanadium
Certified	Yes	NJ	WPP04.56600	NPW	ICP/MS	[EPA 200.8]	Zinc

Category: SHW02 -- Characteristics of Hazardous Waste

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW02.06950	NPW, SCM	TCLP, Toxicity Procedure, Shaker	[SW-846 1311]	Semivolatile organics
Certified	Yes	NJ	SHW02.07000	NPW, SCM	TCLP, Toxicity Procedure, Shaker	[SW-846 1311]	Metals

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Category: SHW04 – Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.05500	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Aluminum
Certified	Yes	NJ	SHW04.07000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Antimony
Certified	Yes	NJ	SHW04.09500	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Arsenic
Certified	Yes	NJ	SHW04.12000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Barium
Certified	Yes	NJ	SHW04.14000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Beryllium
Certified	Yes	NJ	SHW04.15101	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Boron
Certified	Yes	NJ	SHW04.16000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Cadmium
Certified	Yes	NJ	SHW04.17505	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Calcium
Certified	Yes	NJ	SHW04.19000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Chromium
Certified	Yes	NJ	SHW04.22100	NPW, SCM	Ion Chromatography	[SW-846 7199, Rev. 0, 12/96]	Chromium (VI)
Certified	Yes	NJ	SHW04.23000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Cobalt
Certified	Yes	NJ	SHW04.25000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Copper
Certified	Yes	NJ	SHW04.26005	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Iron
Certified	Yes	NJ	SHW04.28000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Lead
Certified	Yes	NJ	SHW04.30505	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Magnesium
Certified	Yes	NJ	SHW04.31600	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Manganese
Certified	Yes	NJ	SHW04.34005	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Molybdenum
Certified	Yes	NJ	SHW04.36000	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Nickel
Certified	Yes	NJ	SHW04.38505	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Potassium
Certified	Yes	NJ	SHW04.40600	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Selenium
Certified	Yes	NJ	SHW04.40700	NPW, SCM	ICP/MS	[USER DEFINED SW-846 6020A/3052]	Silicon
Certified	Yes	NJ	SHW04.41500	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Silver
Certified	Yes	NJ	SHW04.43005	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Sodium
Certified	Yes	NJ	SHW04.44001	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Strontium
Certified	Yes	NJ	SHW04.45500	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Thallium
Certified	Yes	NJ	SHW04.47105	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Tin
Certified	Yes	NJ	SHW04.47150	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Titanium
Certified	Yes	NJ	SHW04.47505	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Vanadium
Certified	Yes	NJ	SHW04.49500	NPW, SCM	ICP/MS	[SW-846 6020, Rev. 0, 9/94]	Zinc

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Category: SHW09 -- Miscellaneous Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW09.14000	NPW, SCM	Electrometric	[SW-846 9040B, Rev. 2, 1/95]	pH - waste, >20% water
Certified	Yes	NJ	SHW09.19000	NPW, SCM	Infrared Spectrometry or FID	[SW-846 9060]	Total organic carbon (TOC)

Category: SHW02 -- Characteristics of Hazardous Waste

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW02.11000	SCM	Shake, Extraction with Water	[ASTM D3987-85]	Metals - inorganics

Category: SHW04 -- Inorganic Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW04.03000	SCM	Acid Digestion, Soil Sediment & Sludge	[SW-846 3050B, Rev. 2, 12/96]	Metals
Certified	Yes	NJ	SHW04.03500	SCM	Microwave Acid Digest: Soil Sediment & Sludge	[SW-846 3051, Rev. 0, 9/94]	Metals
Certified	Yes	NJ	SHW04.03600	SCM	Microwave Acid Digest - Siliceous & Org Matrix	[SW-846 3052, Rev. 0, 12/96]	Metals
Certified	Yes	NJ	SHW04.03700	SCM	Chromium VI Digestion	[SW-846 3060A, Rev. 1, 12/96]	Metals
Certified	Yes	NJ	SHW04.33500	SCM	AA, Manual Cold Vapor	[SW-846 7471A, Rev. 1, 9/94]	Mercury - solid waste

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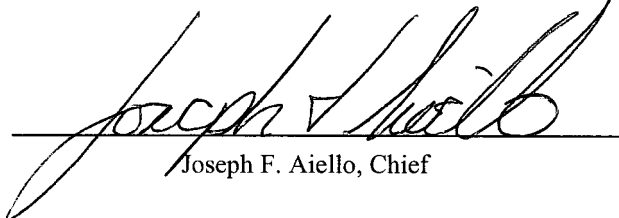
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Category: SHW09 -- Miscellaneous Parameters

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	NJ	SHW09.16000	SCM	Mix with Water or Calcium Chloride	[SW-846 9045C, Rev. 3, 1/95]	pH - soil and waste



Joseph F. Aiello, Chief

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