

Expires 12:01 AM April 01, 2024 Issued April 01, 2023

NY Lab Id No: 11889

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. DAPHNE B. WOODMAN ELEMENT ONE INC 6319-D CAROLINA BEACH ROAD WILMINGTON, NC 28412

> is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Demand

Chemical Oxygen Demand Hach 8000 (1979)

Metals I

Barium, Total EPA 6020B

EPA 200.8, Rev. 5.4 (1994)

Cadmium, Total **EPA 6020B** Calcium, Total **EPA 6020B** Chromium, Total **EPA 6020B** Copper, Total **EPA 6020B** Iron, Total **EPA 6020B** EPA 6020B Lead, Total Magnesium, Total **EPA 6020B EPA 6020B** Manganese, Total Nickel, Total **EPA 6020B** Potassium, Total **EPA 6020B**

EPA 200.8, Rev. 5.4 (1994)

EPA 6020B

Sodium, Total EPA 6020B Strontium, Total EPA 6020B

Metals II

Silver, Total

Aluminum, Total EPA 6020B

EPA 200.8, Rev. 5.4 (1994)

Antimony, Total EPA 6020B

EPA 200.8, Rev. 5.4 (1994)

Arsenic, Total EPA 6020B

EPA 200.8, Rev. 5.4 (1994)

Beryllium, Total EPA 6020B

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Metals II

Beryllium, Total EPA 200.8, Rev. 5.4 (1994)

 Chromium VI
 EPA 7199

 Mercury, Total
 EPA 7470A

 Selenium, Total
 EPA 6020B

 Vanadium, Total
 EPA 6020B

 Zinc, Total
 EPA 6020B

Metals III

Cobalt, TotalEPA 6020BMolybdenum, TotalEPA 6020BThallium, TotalEPA 6020BTin, TotalEPA 6020BTitanium, TotalEPA 6020B

Mineral

Chloride EPA 300.0, Rev. 2.1 (1993)
Sulfate (as SO4) EPA 300.0, Rev. 2.1 (1993)

Miscellaneous

Bromide EPA 300.0, Rev. 2.1 (1993)

Organic Carbon, Total SM 5310B-2014

Nutrient

 Nitrate (as N)
 EPA 300.0, Rev. 2.1 (1993)

 Nitrite (as N)
 EPA 300.0, Rev. 2.1 (1993)

 Orthophosphate (as P)
 EPA 300.0, Rev. 2.1 (1993)

Residue

Solids, Total SM 2540 B-2015 Solids, Total Dissolved SM 2540 C-2015

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Residue

Solids, Volatile SM 2540 E-2015

Sample Preparation Methods

EPA 3010A



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Characteristic Testing

TCLP	EPA 1311	
Metals I		
Barium, Total	EPA 6020B	
Cadmium, Total	EPA 6020B	
Calcium, Total	EPA 6020B	
Chromium, Total	EPA 6020B	
Copper, Total	EPA 6020B	
Iron, Total	EPA 6020B	
Lead, Total	EPA 6020B	
Magnesium, Total	EPA 6020B	
Manganese, Total	EPA 6020B	
Nickel, Total	EPA 6020B	
Potassium, Total	EPA 6020B	
Silver, Total	EPA 6020B	
Sodium, Total	EPA 6020B	
Strontium, Total	EPA 6020B	
Metals II		
Aluminum, Total	EPA 6020B	
Antimony, Total	EPA 6020B	
Arsenic, Total	EPA 6020B	
Beryllium, Total	EPA 6020B	
Chromium VI	EPA 7199	
Mercury, Total	EPA 7471B	
Selenium, Total	EPA 6020B	

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Vanadium, Total

Zinc, Total

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EPA 6020B

EPA 6020B





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Metals III

Cobalt, Total	EPA 6020B
Molybdenum, Total	EPA 6020B
Silica, Dissolved	EPA 6020B
Thallium, Total	EPA 6020B
Tin, Total	EPA 6020B
Titanium, Total	EPA 6020B

Sample Preparation Methods

EPA 3050B EPA 3051A EPA 3052 EPA 3060A

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Metals II

Mercury, Total 40 CFR 61 Method 101A

Metals III

Chromium, Total 40 CFR PART 60 1984 APP. A METH

40 CFR PART 63 APP A 306

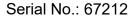
Mineral

Fluoride, Total EPA 13B

Miscellaneous

Particulate Matter 40 CFR 60 APP A Method 5

Sulfur Dioxide 40 CFR 60 Method 6 Sulfuric Acid 40 CFR 60 Method 8







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Metals I

Lead, Total EPA 29 (6020)



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