

North Carolina
Department of Health and Human Services
Laboratory Certification



*in accordance with the provisions of regulations 10A NCAC 42D 0.200
certification for the analysis of drinking water has been granted to*

Element One, Inc.
Laboratory Number 37788

For the following analyte group(s)

Microbiology and Inorganic Chemistry

Refer to most-recent status sheet for analytes and methods

July 1, 2021
Issue date

July 31, 2022
Expiration date

Elizabeth Tilson, MD, MPH
State Health Director

Scott M. Shone, PhD, HCLD (ABB)
Director, State Laboratory


Michele Sartin
Drinking Water Certification

This laboratory has met the minimum requirements for the certification to analyze drinking water.
This certificate does not guarantee accurate results.

*North Carolina Department of Health and Human Services
State Laboratory of Public Health*

ELEMENT ONE, INC.

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Effective Date:

August 9, 2021

North Carolina Drinking Water Certification Status Sheet :

Analyte Code (UR = Unregulated)		Method Code	Method
Coliforms			
3100	Coliform	9223B	Colilert/Colilert18
3014	E. coli	9223B	Colilert/Colilert18
HPC			
3001	Heterotrophic Bacteria (HPC)	9215B	Pour Plate
Metals			
1002	Aluminum (UR)	200.8	Inductively Coupled Plasma/MS
1074	Antimony	200.8	Inductively Coupled Plasma/MS
1005	Arsenic	200.8	Inductively Coupled Plasma/MS
1010	Barium	200.8	Inductively Coupled Plasma/MS
1075	Beryllium	200.8	Inductively Coupled Plasma/MS
1015	Cadmium	200.8	Inductively Coupled Plasma/MS
1016	Calcium (UR)	3500CA-B	EDTA Titration (SM 20, 21 eds)
1020	Chromium	200.8	Inductively Coupled Plasma/MS
1022	Copper	200.8	Inductively Coupled Plasma/MS
1028	Iron	200.8	Inductively Coupled Plasma/MS
1030	Lead	200.8	Inductively Coupled Plasma/MS
1031	Magnesium	3111B	AA, Direct Aspiration
1032	Manganese	200.8	Inductively Coupled Plasma/MS
1035	Mercury	245.1	Manual Cold Vapor
1036	Nickel	200.8	Inductively Coupled Plasma/MS
1045	Selenium	200.8	Inductively Coupled Plasma/MS
1049	Silica (UR)	4500SIO2-D	Heteropolyblue (20, 21 eds)
1050	Silver (UR)	200.8	Inductively Coupled Plasma/MS
1052	Sodium	D6919-03	Ion Chromatography (ASTM)
1052	Sodium	3111B	AA, Direct Aspiration
1085	Thallium	200.8	Inductively Coupled Plasma/MS
1095	Zinc (UR)	200.8	Inductively Coupled Plasma/MS

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General Chemistry

1068	Acidity (UR)	2310B	Titration
1927	Alkalinity	2320B	Titrimetric
1011	Bromate	300.1	Ion Chromatography
1004	Bromide	300.0	Ion Chromatography
1919	Calcium Hardness (as CaCO ₃)	3500CA-B	EDTA Titration (SM 20, 21 eds)
1919	Calcium Hardness (as CaCO ₃)	2340B	Hardness by calculation
1919	Calcium Hardness (as CaCO ₃)	3111B	AA, Direct Aspiration
1017	Chloride (UR)	4500CLDE-B	Chloride - Argentometric tit.
1017	Chloride (UR)	300.0	Ion Chromatography
1009	Chlorite	300.1	Ion Chromatography
1905	Color (UR)	2120B	Visual - Color
1064	Conductivity (UR)	2510B	Conductance @ 25 C
1024	Cyanide	4500CN-E	Spectrophotometric, manual
2919	Dissolved Organic Carbon (DOC)	5310B	High Temperature Combustion
1025	Fluoride	4500F-C	Ion Selective Electrode
1025	Fluoride	300.0	Ion Chromatography
1915	Hardness, Total (CaCO ₃)	2340C	Titration
1915	Hardness, Total (CaCO ₃)	3111B	AA, Direct Aspiration
1915	Hardness, Total (CaCO ₃)	2340B	Hardness by calculation
1040	Nitrate	300.0	Ion Chromatography
1040	Nitrate	4500NO ₃ -E	Cadmium reduction, manual
1041	Nitrite	300.0	Ion Chromatography
1041	Nitrite	4500NO ₂ -B	Spectrophotometric
1044	Orthophosphate (UR)	4500P-E	Colorimetric, manual
1044	Orthophosphate (UR)	300.0	Ion Chromatography
1925	pH Units (UR)	4500H-B	Electrometric
1055	Sulfate	300.0	Ion Chromatography
1930	TDS-Total Dissolved Solids	2540C	Gravimetric
1996	Temperature (UR)	2550	Temperature
2920	Total Organic Carbon (TOC)	5310B	High Temperature Combustion
0100	Turbidity (UR)	2130B	Nephelometric
2922	UV Absorbance @ 254 nm	5910B	Ultraviolet Absorption