

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*

Enthalpy Analytical
Laboratory Number 51714

For the following analyte group(s)

Microbiology, Inorganic and Organic Chemistry

Refer to most-recent status sheet for analytes and methods

July 1, 2024

Issue date

July 31, 2025

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.*

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North Carolina Drinking Water Certification Status Sheet :

Analyte Code (UR = Unregulated)		Method Code	Method
Coliforms			
3100	Coliform	COLISURE	Colisure Reagent
3100	Coliform	9223B	Colilert/Colilert18
3014	E. coli	COLISURE	Colisure Reagent
3014	E. coli	9223B-MW	Colilert Multiple well (UR)
3014	E. coli	9223B	Colilert/Colilert18
3002	Enterococci	ENTEROLERT	Idexx Enterolert
HPC			
3001	Heterotrophic Bacteria (HPC)	SIMPLATE	Idexx Simplate

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Metals

1002	Aluminum (UR)	200.7	Inductively Coupled Plasma
1074	Antimony	200.8	Inductively Coupled Plasma/MS
1005	Arsenic	200.8	Inductively Coupled Plasma/MS
1010	Barium	200.7	Inductively Coupled Plasma
1010	Barium	200.8	Inductively Coupled Plasma/MS
1075	Beryllium	200.8	Inductively Coupled Plasma/MS
1015	Cadmium	200.7	Inductively Coupled Plasma
1015	Cadmium	200.8	Inductively Coupled Plasma/MS
1016	Calcium (UR)	200.7	Inductively Coupled Plasma
1020	Chromium	200.7	Inductively Coupled Plasma
1020	Chromium	200.8	Inductively Coupled Plasma/MS
1022	Copper	200.8	Inductively Coupled Plasma/MS
1022	Copper	200.7	Inductively Coupled Plasma
1028	Iron	200.7	Inductively Coupled Plasma
1030	Lead	200.8	Inductively Coupled Plasma/MS
1031	Magnesium	200.7	Inductively Coupled Plasma
1032	Manganese	200.7	Inductively Coupled Plasma
1032	Manganese	200.8	Inductively Coupled Plasma/MS
1035	Mercury	245.1	Manual Cold Vapor
1036	Nickel	200.7	Inductively Coupled Plasma
1036	Nickel	200.8	Inductively Coupled Plasma/MS
1045	Selenium	200.8	Inductively Coupled Plasma/MS
1052	Sodium	200.7	Inductively Coupled Plasma
1085	Thallium	200.8	Inductively Coupled Plasma/MS
1095	Zinc (UR)	200.7	Inductively Coupled Plasma

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General Chemistry

1927	Alkalinity	2320B	Titrimetric
1919	Calcium Hardness (as CaCO ₃)	2340B	Hardness by calculation
1017	Chloride (UR)	300.0	Ion Chromatography
1064	Conductivity (UR)	2510B	Conductance @ 25 C
1024	Cyanide	4500CN-E	Spectrophotometric, manual
1025	Fluoride	300.0	Ion Chromatography
1915	Hardness, Total (CaCO ₃)	2340B	Hardness by calculation
1040	Nitrate	300.0	Ion Chromatography
1040	Nitrate	4500NO ₃ -F	Cadmium reduction, automated
1041	Nitrite	4500NO ₂ -B	Spectrophotometric
1041	Nitrite	300.0	Ion Chromatography
1044	Orthophosphate (UR)	4500P-E	Colorimetric, manual
1925	pH Units (UR)	4500H-B	Electrometric
1055	Sulfate	300.0	Ion Chromatography
1930	TDS-Total Dissolved Solids	2540C	Gravimetric
2920	Total Organic Carbon (TOC)	5310C	Persulfate-UV Oxidation
0100	Turbidity (UR)	2130B	Nephelometric
2922	UV Absorbance @ 254 nm	5910B	Ultraviolet Absorption

THMs

2943	Bromodichloromethane	524.2	GC/MS - P&T, Cap col.
2942	Bromoform	524.2	GC/MS - P&T, Cap col.
2944	Chlorodibromomethane	524.2	GC/MS - P&T, Cap col.
2941	Chloroform	524.2	GC/MS - P&T, Cap col.
2950	Total Trihalomethanes	524.2	GC/MS - P&T, Cap col.

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VOCs

2981	1,1,1-Trichloroethane	524.2	GC/MS - P&T, Cap col.
2985	1,1,2-Trichloroethane	524.2	GC/MS - P&T, Cap col.
2977	1,1-Dichloroethylene	524.2	GC/MS - P&T, Cap col.
2378	1,2,4-Trichlorobenzene	524.2	GC/MS - P&T, Cap col.
2968	1,2-Dichlorobenzene	524.2	GC/MS - P&T, Cap col.
2980	1,2-Dichloroethane	524.2	GC/MS - P&T, Cap col.
2983	1,2-Dichloropropane	524.2	GC/MS - P&T, Cap col.
2969	1,4-Dichlorobenzene	524.2	GC/MS - P&T, Cap col.
2990	Benzene	524.2	GC/MS - P&T, Cap col.
2982	Carbon Tetrachloride	524.2	GC/MS - P&T, Cap col.
2989	Chlorobenzene	524.2	GC/MS - P&T, Cap col.
2380	cis-1,2-Dichloroethylene	524.2	GC/MS - P&T, Cap col.
2964	Dichloromethane	524.2	GC/MS - P&T, Cap col.
2992	Ethylbenzene	524.2	GC/MS - P&T, Cap col.
2996	Styrene	524.2	GC/MS - P&T, Cap col.
2987	Tetrachloroethylene	524.2	GC/MS - P&T, Cap col.
2991	Toluene	524.2	GC/MS - P&T, Cap col.
2955	Total Xylenes	524.2	GC/MS - P&T, Cap col.
2979	trans-1,2-Dichloroethylene	524.2	GC/MS - P&T, Cap col.
2984	Trichloroethylene	524.2	GC/MS - P&T, Cap col.
2976	Vinyl Chloride	524.2	GC/MS - P&T, Cap col.

Haloacetic Acids

2454	Dibromoacetic acid	552.3	GC - Micro L/L, Cap col, ECD
2451	Dichloroacetic acid	552.3	GC - Micro L/L, Cap col, ECD
2453	Monobromoacetic acid	552.3	GC - Micro L/L, Cap col, ECD
2450	Monochloroacetic acid	552.3	GC - Micro L/L, Cap col, ECD
2456	Total Haloacetic Acids	552.3	GC - Micro L/L, Cap col, ECD
2452	Trichloroacetic acid	552.3	GC - Micro L/L, Cap col, ECD

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Pesticides

2931	1,2-Dibromo-3-Chloropropane	504.1	GC - Micro L/L, Cap col, ECD
2959	Chlordane	508.1	GC - L/S, Cap col, ECD
2005	Endrin	508.1	GC - L/S, Cap col, ECD
2946	Ethylene dibromide (EDB)	504.1	GC - Micro L/L, Cap col, ECD
2065	Heptachlor	508.1	GC - L/S, Cap col, ECD
2067	Heptachlor Epoxide	508.1	GC - L/S, Cap col, ECD
2274	Hexachlorobenzene	525.2	GC/MS - L/S, Cap col.
2042	Hexachlorocyclopentadiene	525.2	GC/MS - L/S, Cap col.
2010	Lindane	508.1	GC - L/S, Cap col, ECD
2015	Methoxychlor	508.1	GC - L/S, Cap col, ECD
2020	Toxaphene	508.1	GC - L/S, Cap col, ECD

Herbicides

2110	2,4,5-TP (Silvex)	515.4	GC - Micro L/L, Cap col, ECD
2105	2,4-D	515.4	GC - Micro L/L, Cap col, ECD
2051	Alachlor	525.2	GC/MS - L/S, Cap col.
2050	Atrazine	525.2	GC/MS - L/S, Cap col.
2031	Dalapon	515.4	GC - Micro L/L, Cap col, ECD
2041	Dinoseb	515.4	GC - Micro L/L, Cap col, ECD
2326	Pentachlorophenol	515.4	GC - Micro L/L, Cap col, ECD
2040	Picloram	515.4	GC - Micro L/L, Cap col, ECD
2037	Simazine	525.2	GC/MS - L/S, Cap col.

PAHs

2306	Benzo(a)pyrene	525.2	GC/MS - L/S, Cap col.
2039	Di(2-Ethylhexyl) Phthalate	525.2	GC/MS - L/S, Cap col.
2035	Di-2(ethylhexyl)adipate	525.2	GC/MS - L/S, Cap col.

PCBs

2383	Polychlorinated biphenyls PCB	508.1	GC - L/S, Cap col, ECD
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