

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*

ENCO Laboratories - Cary
Laboratory Number 37724

For the following analyte group(s)

Microbiology, Inorganic and Organic Chemistry

Refer to most-recent status sheet for analytes and methods

July 1, 2021

Issue date

July 31, 2022

Expiration date

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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	COLISURE	Colisure Reagent
3100	9223B	Colilert/Colilert18
3014	COLISURE	Colisure Reagent
3014	9223B	Colilert/Colilert18
HPC		
3001	SIMPLATE	Idexx Simplate
Metals		
1074	200.8	Inductively Coupled Plasma/MS
1005	200.8	Inductively Coupled Plasma/MS
1010	200.8	Inductively Coupled Plasma/MS
1075	200.8	Inductively Coupled Plasma/MS
1015	200.8	Inductively Coupled Plasma/MS
1016	200.7	Inductively Coupled Plasma
1020	200.8	Inductively Coupled Plasma/MS
1022	200.8	Inductively Coupled Plasma/MS
1028	200.8	Inductively Coupled Plasma/MS
1028	200.7	Inductively Coupled Plasma
1030	200.8	Inductively Coupled Plasma/MS
1031	200.7	Inductively Coupled Plasma
1032	200.8	Inductively Coupled Plasma/MS
1035	245.1	Manual Cold Vapor
1036	200.8	Inductively Coupled Plasma/MS
1045	200.8	Inductively Coupled Plasma/MS
1049	200.7	Inductively Coupled Plasma
1050	200.7	Inductively Coupled Plasma
1050	200.8	Inductively Coupled Plasma/MS
1052	200.7	Inductively Coupled Plasma
1085	200.8	Inductively Coupled Plasma/MS
1095	200.7	Inductively Coupled Plasma
1095	200.8	Inductively Coupled Plasma/MS

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General Chemistrv			
1068	Acidity (UR)	2310B	Titration
1927	Alkalinity	2320B	Titrimetric
1017	Chloride (UR)	300.0	Ion Chromatography
1905	Color (UR)	2120B	Visual - Color
1064	Conductivity (UR)	2510B	Conductance @ 25 C
1024	Cyanide	4500CN-E	Spectrophotometric, manual
1024	Cyanide	335.4	Spectrophoto., semi-automated
1025	Fluoride	300.0	Ion Chromatography
1915	Hardness, Total (CaCO3)	2340B	Hardness by calculation
1040	Nitrate	4500NO3-F	Cadmium reduction, automated
1040	Nitrate	300.0	Ion Chromatography
1041	Nitrite	300.0	Ion Chromatography
1041	Nitrite	4500NO3-F	Cadmium reduction, automated
1044	Orthophosphate (UR)	4500P-F	Colorim. Auto., ascorbic acid
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
0100	Turbidity (UR)	180.1	Nephelometric
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	552.2	GC - Micro L/L, Cap col, ECD
2451	Dichloroacetic acid	552.2	GC - Micro L/L, Cap col, ECD
2453	Monobromoacetic acid	552.2	GC - Micro L/L, Cap col, ECD
2450	Monochloroacetic acid	552.2	GC - Micro L/L, Cap col, ECD
2456	Total Haloacetic Acids	552.2	GC - Micro L/L, Cap col, ECD
2452	Trichloroacetic acid	552.2	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	505	GC - Micro L/L, Cap col, ECD
2005	Endrin	505	GC - Micro L/L, Cap col, ECD
2946	Ethylene dibromide (EDB)	504.1	GC - Micro L/L, Cap col, ECD
2065	Heptachlor	505	GC - Micro L/L, Cap col, ECD
2067	Heptachlor Epoxide	505	GC - Micro L/L, Cap col, ECD
2274	Hexachlorobenzene	505	GC - Micro L/L, Cap col, ECD
2042	Hexachlorocyclopentadiene	505	GC - Micro L/L, Cap col, ECD
2010	Lindane	505	GC - Micro L/L, Cap col, ECD
2015	Methoxychlor	505	GC - Micro L/L, Cap col, ECD
2020	Toxaphene	505	GC - Micro L/L, 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	505	GC - Micro L/L, Cap col, ECD
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.
Carbamates			
2046	Carbofuran	531.1	HPLC - Post col. Rx. Fluores.
2036	Oxamyl	531.1	HPLC - Post col. Rx. Fluores.
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	505	GC - Micro L/L, Cap col, ECD
Radiological			
4006	Uranium	200.8	Inductively Coupled Plasma/MS