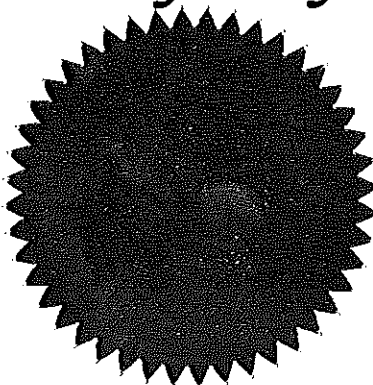


North Carolina
Department of Health and Human Services
Laboratory Certification



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

Environment 1
Laboratory Number 37715

For the following analyte group(s)

Microbiology, Inorganic, and Organic Chemistry

Refer to most-recent status sheet for analytes and methods

July 1, 2017

Issue date

July 31, 2018

Expiration date

Kelly Kimple, MD, MPH, FAAP
Interim State Health Director

Scott J. Zimmerman, DrPH, MPH, HCLD
Director, State Laboratory


Chris Goforth
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

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North Carolina Drinking Water Certification Status Sheet :

Analyte Code (UR = Unregulated)		Method Code	Method
	Coliforms		
3100	Coliform	9223B	Collert/Collert18
3100	Coliform	COLISURE	Colisure Reagent
3014	E. coli	9223B-MW	Collert Multiple well
3014	E. coli	9223B	Collert/Collert18
3014	E. coli	COLISURE	Colisure Reagent
	HPC		
3001	Heterotrophic Bacteria (HPC)	SIMPLATE	Idexx Simplate

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Metals			
1074	Antimony	200.8	Inductively Coupled Plasma/MS
1074	Antimony	3113B	AA, Graphite Furnace
1005	Arsenic	3113B	AA, Graphite Furnace
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
1075	Beryllium	200.7	Inductively Coupled Plasma
1015	Cadmium	200.8	Inductively Coupled Plasma/MS
1015	Cadmium	3113B	AA, Graphite Furnace
1015	Cadmium	200.7	Inductively Coupled Plasma
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
1022	Copper	3111B	AA, Direct Aspiration
1028	Iron	200.7	Inductively Coupled Plasma
1028	Iron	200.8	Inductively Coupled Plasma/MS
1028	Iron	3111B	AA, Direct Aspiration
1030	Lead	200.8	Inductively Coupled Plasma/MS
1030	Lead	3113B	AA, Graphite Furnace
1031	Magnesium	3111B	AA, Direct Aspiration
1031	Magnesium	200.7	Inductively Coupled Plasma
1032	Manganese	200.8	Inductively Coupled Plasma/MS
1032	Manganese	200.7	Inductively Coupled Plasma
1032	Manganese	3111B	AA, Direct Aspiration
1035	Mercury	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
1036	Nickel	3111B	AA, Direct Aspiration
1045	Selenium	3113B	AA, Graphite Furnace
1045	Selenium	200.8	Inductively Coupled Plasma/MS
1049	Silica (UR)	200.7	Inductively Coupled Plasma

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1050	Silver (UR)	200.8	Inductively Coupled Plasma/MS	
1050	Silver (UR)	3113B	AA, Graphite Furnace	
1050	Silver (UR)	200.7	Inductively Coupled Plasma	
1052	Sodium	3111B	AA, Direct Aspiration	
1052	Sodium	200.7	Inductively Coupled Plasma	
1085	Thallium	200.8	Inductively Coupled Plasma/MS	
1095	Zinc (UR)	3111B	AA, Direct Aspiration	
1095	Zinc (UR)	200.7	Inductively Coupled Plasma	
1095	Zinc (UR)	200.8	Inductively Coupled Plasma/MS	
General Chemistrv				
1068	Acidity (UR)	2310B	Titration	
1927	Alkalinity	2320B	Titrimetric	
1017	Chloride (UR)	4500CLDE-B	Chloride - Argentometric tit.	
1905	Color (UR)	2120B	Visual - Color	
1064	Conductivity (UR)	2510B	Conductance @ 25 C	
1024	Cyanide	4500CN-E	Spectrophotometric, manual	
2919	Dissolved Organic Carbon (DOC)	5310C	Persulfate-UV Oxidation	
1025	Fluoride	4500F-C	Ion Selective Electrode	
1915	Hardness, Total (CaCO3)	2340C	Titration	
1040	Nitrate	353.2	Cadmium reduction, automated	
1041	Nitrite	353.2	Cadmium reduction, automated	
1044	Orthophosphate (UR)	4500P-E	Colorimetric, manual	
1925	pH Units (UR)	4500H-B	Electrometric	
1055	Sulfate	4500SO4-E	Turbidimetric	
1930	TDS-Total Dissolved Solids	2540C	Gravimetric	
1996	Temperature (UR)	2550	Temperature	
2920	Total Organic Carbon (TOC)	5310C	Persulfate-UV Oxidation	
0100	Turbidity (UR)	2130B	Nephelometric	
2922	UV Absorbance @ 254 nm	5910B	Ultraviolet Absorption	

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THMs			
2943	Bromodichloromethane	502.2	GC - P&T, Cap col, PID/ELCD
2943	Bromodichloromethane	524.2	GC/MS - P&T, Cap col.
2942	Bromoform	502.2	GC - P&T, Cap col, PID/ELCD
2942	Bromoform	524.2	GC/MS - P&T, Cap col.
2944	Chlorodibromomethane	524.2	GC/MS - P&T, Cap col.
2944	Chlorodibromomethane	502.2	GC - P&T, Cap col, PID/ELCD
2941	Chloroform	524.2	GC/MS - P&T, Cap col.
2941	Chloroform	502.2	GC - P&T, Cap col, PID/ELCD
2950	Total Trihalomethanes	524.2	GC/MS - P&T, Cap col.
2950	Total Trihalomethanes	502.2	GC - P&T, Cap col, PID/ELCD
VOCs			
2981	1,1,1-Trichloroethane	502.2	GC - P&T, Cap col, PID/ELCD
2985	1,1,2-Trichloroethane	502.2	GC - P&T, Cap col, PID/ELCD
2977	1,1-Dichloroethylene	502.2	GC - P&T, Cap col, PID/ELCD
2378	1,2,4-Trichlorobenzene	502.2	GC - P&T, Cap col, PID/ELCD
2968	1,2-Dichlorobenzene	502.2	GC - P&T, Cap col, PID/ELCD
2980	1,2-Dichloroethane	502.2	GC - P&T, Cap col, PID/ELCD
2983	1,2-Dichloropropane	502.2	GC - P&T, Cap col, PID/ELCD
2969	1,4-Dichlorobenzene	502.2	GC - P&T, Cap col, PID/ELCD
2990	Benzene	502.2	GC - P&T, Cap col, PID/ELCD
2982	Carbon Tetrachloride	502.2	GC - P&T, Cap col, PID/ELCD
2989	Chlorobenzene	502.2	GC - P&T, Cap col, PID/ELCD
2380	cis-1,2-Dichloroethylene	502.2	GC - P&T, Cap col, PID/ELCD
2964	Dichloromethane	502.2	GC - P&T, Cap col, PID/ELCD
2992	Ethylbenzene	502.2	GC - P&T, Cap col, PID/ELCD
2996	Styrene	502.2	GC - P&T, Cap col, PID/ELCD
2987	Tetrachloroethylene	502.2	GC - P&T, Cap col, PID/ELCD
2991	Toluene	502.2	GC - P&T, Cap col, PID/ELCD
2955	Total Xylenes	502.2	GC - P&T, Cap col, PID/ELCD
2979	trans-1,2-Dichloroethylene	502.2	GC - P&T, Cap col, PID/ELCD
2984	Trichloroethylene	502.2	GC - P&T, Cap col, PID/ELCD
2976	Vinyl Chloride	502.2	GC - P&T, Cap col, PID/ELCD

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

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2383	PCBs Polychlorinated biphenyls PCB	525.2	GC/MS - L/S, Cap col.
4006	Radiological Uranium	200.8	Inductively Coupled Plasma/MS