



State of Tennessee

**DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES**

Certifies That

National Testing Laboratories

*Having Met the Requirements of the Regulations for the
Certification of Laboratories Analyzing Drinking Water
is hereby Approved as a*

State Certified Laboratory in Chemistry and Microbiology

*To perform the Analyses as Indicated on the Certified Parameter
List For the Public Water Systems of Tennessee*

Laboratory ID Number 02960

**Prasad Subbanna
Laboratory Certification Officer
Division of Water Resources**

Issue Date: 12/27/2019

Expiration Date: 12/31/2020

*This certification is subject to performance on E.P.A.
Performance Evaluation Samples, laboratory inspections,
payment of annual fees, is nontransferable, and
supersedes previously issued certificates*

Certified Parameters - 2019

TENNESSEE

National Testing Laboratories, Ltd.

TN02960

EPA # MI00044

1/29/2020

Attn: Christine (Chrissy) MacMillan
556 S. Mansfield Street
Ypsilanti, MI 48197

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
Disinfectant Residuals					
Free Chlorine	1013	SM - 4500-Cl G	Proficiency Test	8/29/2019	ABS / WS-0079
Total Chlorine Residual	1012	SM - 4500-Cl G	Proficiency Test	8/29/2019	ABS / WS-0079
Disinfection By-Products					
Bromate	1011	EPA - 326	Proficiency Test	8/29/2019	ABS / WS-0079
Bromate	1011	EPA - 300.1	Proficiency Test	8/29/2019	ABS / WS-0079
Bromide	1004	EPA - 300.1	Proficiency Test	8/29/2019	ABS / WS-0079
Bromide	1004	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
HAA					
Dibromoacetic Acid (HAA5)	2454	EPA - 552.2	Proficiency Test	8/29/2019	ABS / WS-0079
Dichloroacetic Acid (HAA5)	2451	EPA - 552.2	Proficiency Test	8/29/2019	ABS / WS-0079
Monobromoacetic Acid (HAA5)	2453	EPA - 552.2	Proficiency Test	8/29/2019	ABS / WS-0079
Monochloroacetic Acid (HAA5)	2450	EPA - 552.2	Proficiency Test	8/29/2019	ABS / WS-0079
Trichloroacetic Acid (HAA5)	2452	EPA - 552.2	Proficiency Test	8/29/2019	ABS / WS-0079
THM					
Bromodichloromethane	2943	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Bromoform	2942	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Chlorodibromomethane	2944	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Chloroform	2941	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Total Trihalomethanes (TTHM)	2950	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Herbicides					
2,4,5-TP (Silvex)	2110	EPA - 515.4	Proficiency Test	8/29/2019	ABS / WS-0079
2,4-D	2105	EPA - 515.4	Proficiency Test	8/29/2019	ABS / WS-0079
Alachlor	2051	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Dalapon	2031	EPA - 515.4	Proficiency Test	8/29/2019	ABS / WS-0079
Dalapon	2031	EPA - 552.2	Proficiency Test	8/29/2019	ABS / WS-0079
Dinoseb	2041	EPA - 515.4	Proficiency Test	8/29/2019	ABS / WS-0079
Diquat	2032	EPA - 549.2	Proficiency Test	8/29/2019	ABS / WS-0079
Endothall	2033	EPA - 548.1	Proficiency Test	8/29/2019	ABS / WS-0079
Glyphosate	2034	EPA - 547	Proficiency Test	8/29/2019	ABS / WS-0079
Picloram	2040	EPA - 515.4	Proficiency Test	8/29/2019	ABS / WS-0079

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Pentachlorophenol	2326	EPA - 515.4	Proficiency Test	8/29/2019	ABS / WS-0079
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Inorganics

Alkalinity	1928	SM - 2320 B	Proficiency Test	8/29/2019	ABS / WS-0079
Calcium	1016	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Chlorate	N/A	EPA - 300.1	Proficiency Test	8/29/2019	ABS / WS-0079
Chloride	1017	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
Chlorite	1009	EPA - 300.1	Proficiency Test	8/29/2019	ABS / WS-0079
Color	1905	SM - 2120 B	Proficiency Test	8/29/2019	ABS / WS-0079
Conductivity	1064	SM - 2510 B	Proficiency Test	8/29/2019	ABS / WS-0079
Fluoride	1025	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
Iron	1028	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
MBAS (Foaming Agent)	1089	SM - 5540 C	Proficiency Test	8/29/2019	ABS / WS-0079
Nitrate	1040	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
Nitrate + Nitrite	1038	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
Nitrite	1041	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
Ortho-phosphate	1044	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
pH	1925	EPA - 150.1	Proficiency Test	8/29/2019	ABS / WS-0079
Potassium	1042	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Silica	1049	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Sodium	1052	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Sulfate	1055	EPA - 300.0	Proficiency Test	8/29/2019	ABS / WS-0079
TDS	1930	SM - 2540 C	Proficiency Test	8/29/2019	ABS / WS-0079
TOC (total organic carbon)	2920	SM - 5310 C	Proficiency Test	8/29/2019	ABS / WS-0079
Total Hardness	1916	SM - 2340 B	Proficiency Test	8/29/2019	ABS / WS-0079
Total Hardness	1916	SM - 2340 C	Proficiency Test	3/1/2019	ABS / WS-0077
Turbidity	0100	SM - 2130 B	Proficiency Test	8/29/2019	ABS / WS-0079

Metals

Antimony	1074	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Arsenic	1005	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Arsenic	1005	SM - 3113 B	Proficiency Test	8/29/2019	ABS / WS-0079
Barium	1010	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Barium	1010	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Beryllium	1075	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Beryllium	1075	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Cadmium	1015	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Cadmium	1015	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Chromium	1020	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Chromium	1020	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Copper	1022	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Copper	1022	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079

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Lead	5000	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Lead	5000	SM - 3113 B	Proficiency Test	8/29/2019	ABS / WS-0079
Magnesium	1031	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Magnesium	1031	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Manganese	1032	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Manganese	1032	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Mercury	1035	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Nickel	1036	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Nickel	1036	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Selenium	1045	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Selenium	1045	SM - 3113 B	Proficiency Test	8/29/2019	ABS / WS-0079
Selenium	1045	SM - 3113 B	Proficiency Test	6/3/2019	ABS / WS060319
Thallium	1085	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Uranium (Trace Metal)	4400	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Aluminum	1002	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Silver	1050	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Silver	1050	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Zinc	1095	EPA - 200.8	Proficiency Test	8/29/2019	ABS / WS-0079
Zinc	1095	EPA - 200.7	Proficiency Test	8/29/2019	ABS / WS-0079
Microbiologicals					
Escherichia coli, Colilert	3014	SM - 9223	Proficiency Test	2/21/2019	ERA / WS-270
Heterotrophic Bacteria, Pour plate metho	3001	SM - 9215 B	Proficiency Test	2/21/2019	ERA / WS-270
Total Coliform, Colilert	3000	SM - 9223	Proficiency Test	2/21/2019	ERA / WS-270
Organics					
PCBs (as Aroclors)	2383	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079
DBCP (Dibromochloropropane)	2931	EPA - 504.1	Proficiency Test	8/29/2019	ABS / WS-0079
EDB (Ethylene dibromide)	2946	EPA - 504.1	Proficiency Test	8/29/2019	ABS / WS-0079
bis(2-ethylhexyl)adipate	2035	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
bis(2-ethylhexyl)phthalate	2039	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Pesticides					
Atrazine	2050	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Hexachlorocyclopentadiene	2042	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079
Hexachlorocyclopentadiene	2042	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Carbofuran	2046	EPA - 531.2	Proficiency Test	8/29/2019	ABS / WS-0079
Chlordane	2959	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
Endrin	2005	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Endrin	2005	EPA - 505	Proficiency Test	3/1/2019	ABS / WS-0077
Heptachlor	2065	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079
Heptachlor	2065	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Heptachlor Epoxide	2067	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079
Heptachlor Epoxide	2067	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Hexachlorobenzene	2274	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Hexachlorobenzene	2274	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079
Lindane	2010	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Lindane	2010	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079
Methoxychlor	2015	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079
Methoxychlor	2015	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Oxamyl (Vydate)	2036	EPA - 531.2	Proficiency Test	8/29/2019	ABS / WS-0079
Simazine	2037	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
Toxaphene	2020	EPA - 505	Proficiency Test	8/29/2019	ABS / WS-0079

VOCs - Regulated

1,1,1-Trichloroethane	2981	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
1,1,2-Trichloroethane	2985	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
1,1-Dichloroethylene	2977	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
1,2,4-Trichlorobenzene	2378	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
1,2-Dichlorobenzene	2968	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
1,2-Dichloroethane	2980	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
1,2-Dichloropropane	2983	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
1,4-Dichlorobenzene	2969	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Benzene	2990	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Carbon Tetrachloride	2982	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Chlorobenzene	2989	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
cis-1,2-Dichloroethylene	2380	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Ethylbenzene	2992	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Methylene chloride (dichloromethane)	2964	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Styrene	2996	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Tetrachloroethylene	2987	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Toluene	2991	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Total Xylenes	2955	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
trans-1,2-dichloroethylene	2979	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Trichloroethylene	2984	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079
Vinyl Chloride	2976	EPA - 524.2	Proficiency Test	8/29/2019	ABS / WS-0079

VOCs - Synthetics

Benzo(a)pyrene	2306	EPA - 525.2	Proficiency Test	8/29/2019	ABS / WS-0079
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