



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: 12/29/2017

Expiration Date: 12/31/2018

*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 - 2017

TENNESSEE

National Testing Laboratories, Ltd.

TN02960

EPA # MI00044

3/2/2018

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

Parameter	EPA Parameter #	Approved Method	Study Type	Date Complete	PT Provider / WS #
Disinfectant Residuals					
Free Chlorine Residual	1013	SM - 4500-Cl G	Proficiency Test	8/29/2017	ABS / WS-0071
Total Chlorine Residual	1012	SM - 4500-Cl G	Proficiency Test	8/29/2017	ABS / WP-0071
Disinfection By-Products					
Bromate	1011	EPA - 326	Proficiency Test	3/1/2017	ABS / WP-0069
Bromate	1011	EPA - 300.1	Proficiency Test	3/1/2017	ABS / WP-0069
Bromide	1004	EPA - 300.0	Proficiency Test	3/1/2017	ABS / WP-0069
Bromide	1004	EPA - 300.1	Proficiency Test	3/1/2017	ABS / WP-0069
HAA					
Dibromoacetic Acid (HAA5)	2454	EPA - 552.2	Proficiency Test	3/1/2017	ABS / WP-0069
Dichloroacetic Acid (HAA5)	2451	EPA - 552.2	Proficiency Test	3/1/2017	ABS / WP-0069
Monobromoacetic Acid (HAA5)	2453	EPA - 552.2	Proficiency Test	3/1/2017	ABS / WP-0069
Monochloroacetic Acid (HAA5)	2450	EPA - 552.2	Proficiency Test	3/1/2017	ABS / WP-0069
Trichloroacetic Acid (HAA5)	2452	EPA - 552.2	Proficiency Test	3/1/2017	ABS / WP-0069
THM					
Bromodichloromethane	2943	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
Bromoform	2942	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
Chlorodibromomethane	2944	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Chloroform	2941	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Total Trihalomethanes (TTHM)	2950	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Herbicides					
2,4,5-TP (Silvex)	2110	EPA - 515.4	Proficiency Test	8/29/2017	ABS / WP-0071
2,4-D	2105	EPA - 515.4	Proficiency Test	8/29/2017	ABS / WP-0071
Alachlor	2051	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WS-0071
Dalapon	2031	EPA - 552.2	Proficiency Test	8/29/2017	ABS / WP-0071
Dalapon	2031	EPA - 515.4	Proficiency Test	8/29/2017	ABS / WP-0071
Dinoseb	2041	EPA - 515.4	Proficiency Test	8/29/2017	ABS / WP-0071
Diquat	2032	EPA - 549.2	Proficiency Test	8/29/2017	ABS / WP-0071
Endothall	2033	EPA - 548.1	Proficiency Test	8/29/2017	ABS / WS-0071
Glyphosate	2034	EPA - 547	Proficiency Test	8/29/2017	ABS / WP-0071
Picloram	2040	EPA - 515.4	Proficiency Test	3/1/2017	ABS / WP-0069
Picloram	2040	EPA - 515.4	Proficiency Test	11/29/2017	ABS / WS-0072

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
Pentachlorophenol	2326	EPA - 515.4	Proficiency Test	8/29/2017	ABS / WP-0071
Inorganics					
Alkalinity	1928	SM - 2320 B	Proficiency Test	8/29/2017	ABS / WP-0071
Calcium	1016	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Chlorate	N/A	EPA - 300.1	Proficiency Test	3/1/2017	ABS / WP-0069
Chloride	1017	EPA - 300.0	Proficiency Test	8/29/2017	ABS / WP-0071
Chlorite	1009	EPA - 300.1	Proficiency Test	3/1/2017	ABS / WP-0069
Color	1905	SM - 2120 B	Proficiency Test	8/29/2017	ABS / WP-0071
Conductivity	1064	SM - 2510 B	Proficiency Test	8/29/2017	ABS / WP-0071
Fluoride	1025	EPA - 300.0	Proficiency Test	3/1/2017	ABS / WP-0069
Iron	1028	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WS-0071
MBAS (Foaming Agent)	1089	SM - 5540 C	Proficiency Test	8/29/2017	ABS / WP-0071
Nitrate	1040	EPA - 300.0	Proficiency Test	3/1/2017	ABS / WP-0069
Nitrate + Nitrite	1038	EPA - 300.0	Proficiency Test	3/1/2017	ABS / WP-0069
Nitrite	1041	EPA - 300.0	Proficiency Test	3/1/2017	ABS / WP-0069
Ortho-phosphate	1044	EPA - 300.0	Proficiency Test	3/1/2017	ABS / WP-0069
pH	1925	EPA - 150.1	Proficiency Test	8/29/2017	ABS / WS-0071
Potassium	1042	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Silica	1049	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Sodium	1052	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Sulfate	1055	EPA - 300.0	Proficiency Test	8/29/2017	ABS / WS-0071
TDS	1930	SM - 2540 C	Proficiency Test	8/29/2017	ABS / WS-0071
TOC (total organic carbon)	2920	SM - 5310 C	Proficiency Test	8/29/2017	ABS / WP-0071
Total Hardness	1916	SM - 2340 B	Proficiency Test	3/1/2017	ABS / WP-0069
Total Hardness	1916	SM - 2340 C	Proficiency Test	8/29/2017	ABS / WP-0071
Turbidity	0100	SM - 2130 B	Proficiency Test	8/29/2017	ABS / WP-0071
Metals					
Antimony	1074	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Arsenic	1005	SM - 3113 B	Proficiency Test	8/29/2017	ABS / WP-0071
Arsenic	1005	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Barium	1010	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Barium	1010	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Beryllium	1075	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Beryllium	1075	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Cadmium	1015	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Cadmium	1015	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Chromium	1020	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WS-0071
Chromium	1020	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Copper	1022	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
Copper	1022	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Lead	5000	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Lead	5000	SM - 3113 B	Proficiency Test	8/29/2017	ABS / WS-0071
Magnesium	1031	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WS-0071
Manganese	1032	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WS-0071
Manganese	1032	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Mercury	1035	EPA - 200.8	Proficiency Test	3/1/2017	ABS / WP-0069
Nickel	1036	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Nickel	1036	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Selenium	1045	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WS-0071
Selenium	1045	SM - 3113 B	Proficiency Test	8/29/2017	ABS / WS-0071
Thallium	1085	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WP-0071
Uranium (Trace Metal)	4400	EPA - 200.8	Proficiency Test	3/1/2017	ABS / WP-0069
Aluminum	1002	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Silver	1050	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Silver	1050	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WS-0071
Zinc	1095	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WS-0071
Zinc	1095	EPA - 200.7	Proficiency Test	8/29/2017	ABS / WP-0071
Microbiologicals					
Escherichia coli, Colilert	3014	SM - 9223	Proficiency Test	8/24/2017	ERA / WS-252
Escherichia coli, Colilert - QuantiTray	3014	SM - 9223	Proficiency Test	8/24/2017	ERA / WS-252
Heterotrophic Bacteria, Pour plate metho	3001	SM - 9215 B	Proficiency Test	8/24/2017	ERA / WS-252
Total Coliform, Colilert	3000	SM - 9223	Proficiency Test	8/24/2017	ERA / WS-252
Total Coliform, Colilert-Quantitray	3000	SM - 9223	Proficiency Test	8/24/2017	ERA / WS-252
Organics					
PCBs (as Aroclors)	2383	EPA - 505	Proficiency Test	8/29/2017	ABS / WP-0071
DBCP (Dibromochloropropane)	2931	EPA - 504.1	Proficiency Test	8/29/2017	ABS / WS-0071
EDB (Ethylene dibromide)	2946	EPA - 504.1	Proficiency Test	8/29/2017	ABS / WS-0071
bis(2-ethylhexyl)adipate	2035	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071
bis(2-ethylhexyl)phthalate	2039	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071
Pesticides					
Atrazine	2050	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071
Hexachlorocyclopentadiene	2042	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069
Hexachlorocyclopentadiene	2042	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WS-0071
Carbofuran	2046	EPA - 531.2	Proficiency Test	8/29/2017	ABS / WP-0071

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
Chlordane	2959	EPA - 505	Proficiency Test	8/29/2017	ABS / WP-0071
Endrin	2005	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069
Endrin	2005	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WS-0071
Heptachlor	2065	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071
Heptachlor	2065	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069
Heptachlor Epoxide	2067	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071
Heptachlor Epoxide	2067	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069
Hexachlorobenzene	2274	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071
Hexachlorobenzene	2274	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069
Lindane	2010	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069
Lindane	2010	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071
Methoxychlor	2015	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WS-0071
Methoxychlor	2015	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069
Oxamyl (Vydate)	2036	EPA - 531.2	Proficiency Test	8/29/2017	ABS / WS-0071
Simazine	2037	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WS-0071
Toxaphene	2020	EPA - 505	Proficiency Test	3/1/2017	ABS / WP-0069

Radiological

Uranium (Radioactive)	4400	EPA - 200.8	Proficiency Test	8/29/2017	ABS / WS-0071
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VOCs - Regulated

1,1,1-Trichloroethane	2981	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
1,1,2-Trichloroethane	2985	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
1,1-Dichloroethylene	2977	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
1,2,4-Trichlorobenzene	2378	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
1,2-Dichlorobenzene	2968	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
1,2-Dichloroethane	2980	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
1,2-Dichloropropane	2983	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
1,4-Dichlorobenzene	2969	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Benzene	2990	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Carbon Tetrachloride	2982	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Chlorobenzene	2989	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
cis-1,2-Dichloroethylene	2380	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Ethylbenzene	2992	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Methylene chloride (dichloromethane)	2964	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Styrene	2996	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
Tetrachloroethylene	2987	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
Toluene	2991	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Total Xylenes	2955	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WS-0071
trans-1,2-dichloroethylene	2979	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Trichloroethylene	2984	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071
Vinyl Chloride	2976	EPA - 524.2	Proficiency Test	8/29/2017	ABS / WP-0071

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
VOCs - Synthetics					
Benzo(a)pyrene	2306	EPA - 525.2	Proficiency Test	8/29/2017	ABS / WP-0071