



State of Tennessee

Department of Environment & Conservation

Division of Water Supply

Certifies That

Underwriters Laboratories LLC

*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 and Radiochemistry**

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

Laboratory ID Number TN02973 - Effective through June 30, 2012

A. Craig LaFever

Laboratory Certification Manager

Division of Water Supply

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

Certified Parameters - 2012

TENNESSEE

Underwriters Laboratories LLC
 Attn: Dale Piechocki
 110 South Hill Street
 South Bend, IN 46617-2702

TN02973

EPA # IN00035

Expires 6/30/2012

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>			
Disinfection By-Products							
Bromate	1011	EPA - 317	Proficiency Test	6/30/2012	FL DOH	NELAP	
Bromate	1011	EPA - 300.1	Proficiency Test	6/30/2012	FL DOH	NELAP	
Bromide	1004	EPA - 300.0	Proficiency Test	6/30/2012	FL DOH	NELAP	
DOC (dissolved organic carbon)	2923	SM - 5310 C	Proficiency Test	6/30/2012	FL DOH	NELAP	
UV 254 Absorbance	2922	SM - 5910 B	Proficiency Test	6/30/2012	FL DOH	NELAP	
Total Haloacetic Acids(five)(HAA5)	2456	EPA - 552.2	Proficiency Test	6/30/2012	FL DOH	NELAP	
Total Trihalomethanes (TTHM)	2950	EPA - 551.1	Proficiency Test	6/30/2012	FL DOH	NELAP	
Total Trihalomethanes (TTHM)	2950	EPA - 524.2	Proficiency Test	6/30/2012	FL DOH	NELAP	
Herbicides							
2,4,5-TP (Silvex)	2110	EPA - 515.3	Proficiency Test	6/30/2012	FL DOH	NELAP	
2,4-D	2105	EPA - 515.3	Proficiency Test	6/30/2012	FL DOH	NELAP	
Alachlor	2051	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP	
Atrazine	2050	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP	
Dalaphon	2031	EPA - 515.3	Proficiency Test	6/30/2012	FL DOH	NELAP	
Dinoseb	2041	EPA - 515.3	Proficiency Test	6/30/2012	FL DOH	NELAP	
Diquat	2032	EPA - 549.2	Proficiency Test	6/30/2012	FL DOH	NELAP	
Endothall	2033	EPA - 548.1	Proficiency Test	6/30/2012	FL DOH	NELAP	
Glyphosate	2034	EPA - 547	Proficiency Test	6/30/2012	FL DOH	NELAP	
Picloram	2040	EPA - 515.3	Proficiency Test	6/30/2012	FL DOH	NELAP	
Inorganics							
Alkalinity	1928	SM - 2320 B	Proficiency Test	6/30/2012	FL DOH	NELAP	
Calcium	1016	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP	
Chlorate	N/A	EPA - 300.0	Proficiency Test	6/30/2012	FL DOH	NELAP	
Chloride	1017	EPA - 300.0	Proficiency Test	6/30/2012	FL DOH	NELAP	
Chlorite	1009	EPA - 300.0	Proficiency Test	6/30/2012	FL DOH	NELAP	
Color	1905	SM - 2120 B	Proficiency Test	6/30/2012	FL DOH	NELAP	
Conductivity	1064	SM - 2510 B	Proficiency Test	6/30/2012	FL DOH	NELAP	
Corrosivity	1910	SM - 2330 B	Proficiency Test	6/30/2012	FL DOH	NELAP	
Cyanide	1024	EPA - 335.4	Proficiency Test	6/30/2012	FL DOH	NELAP	
Cyanide	1024	QC 10-204-00-1-X	Proficiency Test	6/30/2012	FL DOH	NELAP	
Fluoride	1025	EPA - 300.0	Proficiency Test	6/30/2012	FL DOH	NELAP	
Fluoride	1025	SM - 4500-F-C	Proficiency Test	6/30/2012	FL DOH	NELAP	
Fluoride	1025	380-75WE	Proficiency Test	6/30/2012	FL DOH	NELAP	
Iron	1028	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP	
Nitrate	1040	EPA - 353.2	Proficiency Test	6/30/2012	FL DOH	NELAP	
Nitrate	1040	EPA - 300.0	Proficiency Test	6/30/2012	FL DOH	NELAP	
Nitrate + Nitrite	1038	EPA - 353.2	Proficiency Test	6/30/2012	FL DOH	NELAP	
Nitrite	1041	EPA - 353.2	Proficiency Test	6/30/2012	FL DOH	NELAP	

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>		
Ortho-phosphate	1044	SM - 4500-P E	Proficiency Test	6/30/2012	FL DOH	NELAP
Potassium	1042	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP
Silica	1049	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP
Sodium	1052	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP
Sulfate	1055	EPA - 300.0	Proficiency Test	6/30/2012	FL DOH	NELAP
TDS	1930	SM - 2540 C	Proficiency Test	6/30/2012	FL DOH	NELAP
Total Hardness	1916	SM - 2340 B	Proficiency Test	6/30/2012	FL DOH	NELAP
Total Organic Carbon(TOC)	2920	SM - 5310 C	Proficiency Test	6/30/2012	FL DOH	NELAP
Turbidity	0100	EPA - 180.1	Proficiency Test	6/30/2012	FL DOH	NELAP
Perchlorate	1039	EPA - 314.0	Proficiency Test	6/30/2012	FL DOH	NELAP
Perchlorate	1039	EPA - 331.0	Proficiency Test	6/30/2012	FL DOH	NELAP
Metals						
Antimony	1074	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Arsenic	1005	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Barium	1010	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Beryllium	1075	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Cadmium	1015	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Chromium	1020	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Copper	1022	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Lead	5000	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Magnesium	1031	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP
Manganese	1032	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP
Manganese	1032	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Mercury	1035	EPA - 245.1	Proficiency Test	6/30/2012	FL DOH	NELAP
Nickel	1036	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Selenium	1045	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Thallium	1085	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Uranium	4400	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Aluminum	1002	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP
Aluminum	1002	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Silver	1050	EPA - 200.7	Proficiency Test	6/30/2012	FL DOH	NELAP
Silver	1050	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Zinc	1095	EPA - 200.8	Proficiency Test	6/30/2012	FL DOH	NELAP
Microbiologicals						
Escherichia coli, Colisure	3014	SM - 9223	Proficiency Test	6/30/2012	FL DOH	NELAP
EscherichiaColiCollert- QuantiTray2000	3014	SM - 9223	Proficiency Test	6/30/2012	FL DOH	NELAP
Heterotrophic Bacteria, Pour plate metho	3001	SM - 9215 B	Proficiency Test	6/30/2012	FL DOH	NELAP
Heterotrophic Bacteria, SimPlate	3001	-	Proficiency Test	6/30/2012	FL DOH	NELAP
Total Coliform, Colilert	3000	SM - 9223	Proficiency Test	6/30/2012	FL DOH	NELAP
Radiological						
Gross Alpha	4000	SM - 7110 B	Proficiency Test	6/30/2012	FL DOH	NELAP
Gross Alpha	4000	SM - 7110 C	Proficiency Test	7/1/2011	FL DOH	NELAP
Gross Beta	4100	SM - 7110 B	Proficiency Test	7/1/2011	FL DOH	NELAP
Radium-226	4020	SM - 7500-Ra B	Proficiency Test	7/1/2011	FL DOH	NELAP
Radium-228	4030	SM - 7500-Ra D	Proficiency Test	7/1/2011	FL DOH	NELAP
Tritium (Radioactive)	4102	EPA - 906.0	Proficiency Test	7/1/2011	FL DOH	NELAP

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>		
Organics						
2,3,7,8 Tetrachlorodibenzo-p-dioxin	2063	EPA - 1613	Proficiency Test	6/30/2012	FL DOH	NELAP
Hexachlorocyclopentadiene	2042	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
PCBs (as Aroclors)	2383	EPA - 505	Proficiency Test	6/30/2012	FL DOH	NELAP
1,2-dibromo-3-chloropropane(DBCP)	2931	EPA - 504.1	Proficiency Test	6/30/2012	FL DOH	NELAP
1,2-Dibromoethane (EDB)	2946	EPA - 504.1	Proficiency Test	6/30/2012	FL DOH	NELAP
bis(2-ethylhexyl)phthalate	2039	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Di(2-ethylhexyl)adipate	2035	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Pesticides						
Pentachlorophenol	2326	EPA - 515.3	Proficiency Test	6/30/2012	FL DOH	NELAP
Carbofuran	2046	EPA - 531.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Carbofuran	2046	EPA - 531.1	Proficiency Test	6/30/2012	FL DOH	NELAP
Chlordane	2959	EPA - 505	Proficiency Test	6/30/2012	FL DOH	NELAP
Endrin	2005	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Heptachlor	2065	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Heptachlor Epoxide	2067	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Hexachlorobenzene	2274	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Lindane	2010	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Methoxychlor	2015	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Oxamyl (Vydate)	2036	EPA - 531.1	Proficiency Test	6/30/2012	FL DOH	NELAP
Oxamyl (Vydate)	2036	EPA - 531.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Simazine	2037	EPA - 525.2	Proficiency Test	6/30/2012	FL DOH	NELAP
Toxaphene	2020	EPA - 505	Proficiency Test	6/30/2012	FL DOH	NELAP
VOCs - Regulated						
1,1,1-Trichloroethane	2981	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
1,1,2-Trichloroethane	2985	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
1,1-Dichloroethylene	2977	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
1,2,4-Trichlorobenzene	2378	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
1,2-Dichlorobenzene	2968	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
1,2-Dichloroethane	2980	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
1,2-Dichloropropane	2983	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
1,4-Dichlorobenzene	2969	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Benzene	2990	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Carbon Tetrachloride	2982	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Chlorobenzene	2989	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
cis-1,2-Dichloroethylene	2380	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Dichloromethane (methylene chloride)	2964	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Ethylbenzene	2992	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Styrene	2996	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Tetrachloroethylene	2987	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Toluene	2991	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
trans-1,2-dichloroethylene	2979	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Trichloroethylene	2984	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Vinyl Chloride	2976	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
Xylenes	2955	EPA - 524.2	Proficiency Test	7/1/2011	FL DOH	NELAP
VOCs - Synthetic						
Benzo(a)pyrene	2306	EPA - 525.2	Proficiency Test	7/1/2011	FL DOH	NELAP