



State of Tennessee

Department of Environment & Conservation

Division of Water Supply

Certifies That

LANCASTER LABORATORIES, INC.

*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

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

Laboratory ID Number TN02838 - Effective through January 31, 2012

Troy D. Taubert

Laboratory Certification Officer

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 - 2011

TENNESSEE

Lancaster Laboratories, Inc.

TN02838

EPA # PA00009

6/8/2011

Attn Amy Doupe
 PO Box 12425
 Lancaster, PA 17605-2425

Parameter	EPA Parameter #	Approved Method	Study Type	Date Complete	PT Provider / WS #
Disinfectant Residuals					
Free Chlorine Residual	1013	SM - 4500-CI F	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Free Chlorine Residual	1013	SM - 4500-CI G	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Total Chlorine Residual	1012	SM - 4500-CI G	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Disinfection By-Products					
THM					
Total Trihalomethanes (TTHM)	2950	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Herbicides					
2,4,5-TP (Silvex)	2110	EPA - 515.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
2,4-D	2105	EPA - 515.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Alachlor	2051	EPA - 507	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Alachlor	2051	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Atrazine	2050	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Atrazine	2050	EPA - 507	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Dalaphon	2031	EPA - 515.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Dinoseb	2041	EPA - 515.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Picloram	2040	EPA - 515.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Inorganics					
Alkalinity	1928	SM - 2320 B	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Calcium	1016	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Chloride	1017	EPA - 300.0	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Color	1905	SM - 2120 B	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Conductivity	1064	SM - 2510 B	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Cyanide	1024	EPA - 335.4	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Fluoride	1025	EPA - 300.0	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Fluoride	1025	SM - 4500-F-C	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Iron	1028	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
MBAS (Foaming Agent)	1089	SM - 5540 C	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Nitrate	1040	EPA - 353.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Nitrate	1040	EPA - 300.0	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Nitrite	1041	EPA - 353.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Nitrite	1041	EPA - 300.0	Proficiency Test	3/1/2011	-NELAP / NELAP2012

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
Ortho-phosphate	1044	SM - 4500-P E	Proficiency Test	3/1/2011	-NELAP / NELAP2012
pH	1925	SM - 4500-H+B	Proficiency Test	3/1/2011	-NELAP / NELAP2012
pH	1925	EPA - 150.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Silica	1049	SM - 4500-Si-O2 C	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Sodium	1052	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Sulfate	1055	EPA - 300.0	Proficiency Test	3/1/2011	-NELAP / NELAP2012
TDS	1930	SM - 2540 C	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Temperature	1996	SM - 2550	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Total Hardness	1916	SM - 2340 B	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Turbidity	0100	SM - 2130 B	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Turbidity	0100	EPA - 180.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Perchlorate	1039	EPA - 314.0	Proficiency Test	3/1/2011	-NELAP / NELAP2012

Metals

Antimony	1074	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Arsenic	1005	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Barium	1010	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Beryllium	1075	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Beryllium	1075	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Cadmium	1015	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Cadmium	1015	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Chromium	1020	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Chromium	1020	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Copper	1022	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Copper	1022	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Lead	5000	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Magnesium	1031	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Manganese	1032	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Mercury	1035	EPA - 245.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Nickel	1036	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Nickel	1036	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Selenium	1045	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Thallium	1085	EPA - 200.8	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Aluminum	1002	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Silver	1050	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Zinc	1095	EPA - 200.7	Proficiency Test	3/1/2011	-NELAP / NELAP2012

Organics

2,3,7,8 Tetrachlorodibenzo-p-dioxin	2063	EPA - 1613	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Hexachlorocyclopentadiene	2042	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Hexachlorocyclopentadiene	2042	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
PCBs (as Aroclors)	2383	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
DBCP (Dibromochloropropane)	2931	EPA - 504.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
EDB (Ethylene dibromide)	2946	EPA - 504.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
bis(2-ethylhexyl)adipate	2035	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
bis(2-ethylhexyl)phthalate	2039	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012

Pesticides

Pentachlorophenol	2326	EPA - 515.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Carbofuran	2046	EPA - 531.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Chlordane	2959	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Endrin	2005	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Endrin	2005	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Heptachlor	2065	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Heptachlor	2065	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Heptachlor Epoxide	2067	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Heptachlor Epoxide	2067	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Hexachlorobenzene	2274	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Hexachlorobenzene	2274	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Lindane	2010	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Lindane	2010	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Methoxychlor	2015	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Methoxychlor	2015	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Oxamyl (Vydate)	2036	EPA - 531.1	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Simazine	2037	EPA - 507	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Simazine	2037	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Toxaphene	2020	EPA - 508	Proficiency Test	3/1/2011	-NELAP / NELAP2012

VOCs - Regulated

1,1,1-Trichloroethane	2981	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
1,1,2-Trichloroethane	2985	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
1,1-Dichloroethylene	2977	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
1,2,4-Trichlorobenzene	2378	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
1,2-Dichlorobenzene	2968	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
1,2-Dichloroethane	2980	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
1,2-Dichloropropane	2983	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Benzene	2990	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Carbon Tetrachloride	2982	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Chlorobenzene	2989	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
cis-1,2-Dichloroethylene	2380	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Dichloromethane (methylene chloride)	2964	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Complete</u>	<u>PT Provider / WS #</u>
Ethylbenzene	2992	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Styrene	2996	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Tetrachloroethylene	2987	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Toluene	2991	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
trans-1,2-dichloroethylene	2979	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Trichloroethylene	2984	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Vinyl Chloride	2976	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
Xylenes	2955	EPA - 524.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012

VOCs - Synthetics

Benzo(a)pyrene	2306	EPA - 525.2	Proficiency Test	3/1/2011	-NELAP / NELAP2012
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