

# COMMONWEALTH OF KENTUCKY

## Energy and Environment Cabinet

Drinking Water Laboratory Certification Program

Under The Safe Drinking Water Act and In Accordance with 401 KAR Chapter 8

THIS CERTIFIES THAT

**Lancaster Laboratories, Inc.**

**2425 New Holland Pike**

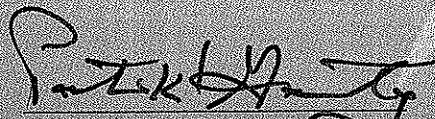
**Lancaster, PA 17601**

**Laboratory Number: 90088**

Has fulfilled the requirements governing the Certification of Drinking Water Chemistry Laboratories and is hereby granted certification for the analytes and associated methods listed on the annually updated table.

*Given under our hands this 1st day of January, 2012*

*at Frankfort, Kentucky. This Certificate is valid until December 31, 2012.*

  
Certification Officer

**Kentucky**  
UNBRIDLED SPIRIT™

  
Certification Authority

EPA Category	KY Category	Analyte Code	Contaminant	Status	Reference Method	KY Method Code	MRL	MRL Units
SEC	Other	1927	Alkalinity	Certified	SM 2320B	849	0.46	mg/L
SEC	Other	1002	Aluminum	Certified	EPA 200.7	799	0.0802	mg/L
IOC	Other	1074	Antimony	Certified	EPA 200.8	797	0.0003	mg/L
IOC	Other	1005	Arsenic	Certified	EPA 200.8	797	0.00095	mg/L
IOC	Other	1010	Barium	Certified	EPA 200.7	799	0.00062	mg/L
IOC	Other	1010	Barium	Certified	EPA 200.8	797	0.00025	mg/L
IOC	Other	1075	Beryllium	Certified	EPA 200.7	799	0.0014	mg/L
IOC	Other	1075	Beryllium	Certified	EPA 200.8	797	0.00013	mg/L
IOC	Other	1015	Cadmium	Certified	EPA 200.7	799	0.002	mg/L
IOC	Other	1015	Cadmium	Certified	EPA 200.8	797	0.0002	mg/L
SEC	Other	1017	Chloride	Certified	EPA 300.0	720	0.2	mg/L
IOC	Other	1020	Chromium (total)	Certified	EPA 200.8	797	0.0006	mg/L
IOC	Other	1020	Chromium (total)	Certified	EPA 200.7	799	0.0034	mg/L
SEC	Other	1905	Color	Certified	EPA 110.2	957	5	CU
IOC	Other	1022	Copper	Certified	EPA 200.7	799	0.0027	mg/L
IOC	Other	1022	Copper	Certified	EPA 200.8	797	0.00038	mg/L
IOC	Other	1024	Cyanide (as free cyanide)	Certified	EPA 335.4	716	0.005	mg/L
IOC	Other	1025	Fluoride	Certified	EPA 300.0	720	0.08	mg/L
IOC	Other	1025	Fluoride	Certified	SM 4500F-C	807	0.03	mg/L
SEC	Other	2905	Foaming Agents	Certified	SM 5540C	855	0.04	mg/L
SEC	Other	1028	Iron	Certified	EPA 200.7	799	0.0522	mg/L
IOC	Other	1030	Lead	Certified	EPA 200.8	797	0.00005	mg/L
SEC	Other	1032	Manganese	Certified	EPA 200.7	799	0.00084	mg/L
IOC	Other	1035	Mercury (inorganic)	Certified	EPA 245.1	715	0.000056	mg/L
IOC	Other	1036	Nickel	Certified	EPA 200.7	799	0.0018	mg/L
IOC	Other	1036	Nickel	Certified	EPA 200.8	797	0.0005	mg/L
IOC	Other	1040	Nitrate (as N)	Certified	EPA 300.0	720	0.05	mg/L
IOC	Other	1040	Nitrate (as N)	Certified	EPA 353.2	709	0.04	mg/L
IOC	Other	1041	Nitrite (as N)	Certified	EPA 300.0	720	0.08	mg/L
IOC	Other	1041	Nitrite (as N)	Certified	EPA 353.2	709	0.015	mg/L
SEC	Other	1925	pH	Certified	EPA 150.1	734	N/A	SU
IOC	Other	1045	Selenium	Certified	EPA 200.8	797	0.0009	mg/L
SEC	Other	1050	Silver	Certified	EPA 200.7	799	0.0023	mg/L
SEC	Other	1055	Sulfate	Certified	EPA 300.0	720	0.03	mg/L
IOC	Other	1085	Thallium	Certified	EPA 200.8	797	0.00015	mg/L
SEC	Other	1930	Total Dissolved Solids	Certified	SM 2540C	806	10	mg/L
M	Other	0100	Turbidity	Certified	EPA 180.1	701	0.09	NTU
SEC	Other	1095	Zinc	Certified	EPA 200.7	799	0.0081	mg/L
OC	SOC	2931	1,2-Dibromo-3-chloropropane (DBCP)	Certified	EPA 504.1	719	0.01	µg/L
OC	SOC	2110	2,4,5-TP (Silvex)	Certified	EPA 515.1	703	0.01	µg/L
OC	SOC	2105	2,4-D	Certified	EPA 515.1	703	0.15	µg/L
OC	SOC	2051	Alachlor (Lasso)	Certified	EPA 507	707	0.4	µg/L

EPA Category	KY Category	Analyte Code	Contaminant	Status	Reference Method	KY Method Code	MRL	MRL Units
OC	SOC	2051	Alachlor (Lasso)	Certified	EPA 525.2	711	0.06	µg/L
OC	SOC	2050	Atrazine	Certified	EPA 507	707	0.1	µg/L
OC	SOC	2050	Atrazine	Certified	EPA 525.2	711	0.05	µg/L
OC	SOC	2306	Benzo(a)pyrene (PAHs)	Certified	EPA 525.2	711	0.02	µg/L
OC	SOC	2046	Carbofuran	Certified	EPA 531.1	710	1.0	µg/L
OC	SOC	2959	Chlordane	Certified	EPA 508	708	0.3	µg/L
OC	SOC	2031	Dalapon	Certified	EPA 515.1	703	1.0	µg/L
OC	SOC	2035	Di(2-ethylhexyl) adipate	Certified	EPA 525.2	711	0.1	µg/L
OC	SOC	2039	Di(2-ethylhexyl) phthalate	Certified	EPA 525.2	711	0.3	µg/L
OC	SOC	2041	Dinoseb	Certified	EPA 515.1	703	0.2	µg/L
OC	SOC	2063	Dioxin (2,3,7,8-TCDD)	Certified	EPA 1613B	723	0.001	ng/L
OC	SOC	2005	Endrin	Certified	EPA 508	708	0.004	µg/L
OC	SOC	2005	Endrin	Certified	EPA 525.2	711	0.2	µg/L
OC	SOC	2946	Ethylene dibromide	Certified	EPA 504.1	719	0.018	µg/L
OC	SOC	2065	Heptachlor	Certified	EPA 508	708	0.004	µg/L
OC	SOC	2065	Heptachlor	Certified	EPA 525.2	711	0.06	µg/L
OC	SOC	2067	Heptachlor epoxide	Certified	EPA 508	708	0.004	µg/L
OC	SOC	2067	Heptachlor epoxide	Certified	EPA 525.2	711	0.1	µg/L
OC	SOC	2274	Hexachlorobenzene	Certified	EPA 508	708	0.004	µg/L
OC	SOC	2042	Hexachlorocyclopentadiene	Certified	EPA 508	708	0.02	µg/L
OC	SOC	2010	Lindane	Certified	EPA 508	708	0.004	µg/L
OC	SOC	2015	Methoxychlor	Certified	EPA 508	708	0.05	µg/L
OC	SOC	2015	Methoxychlor	Certified	EPA 525.2	711	0.04	µg/L
OC	SOC	2036	Oxamyl (Vydate)	Certified	EPA 531.1	710	1.0	µg/L
OC	SOC	2326	Pentachlorophenol	Certified	EPA 515.1	703	0.027	µg/L
OC	SOC	2040	Picloram	Certified	EPA 515.1	703	0.2	µg/L
OC	SOC	2383	Polychlorinated biphenyls (PCBs)	Certified	EPA 508	708	0.5	µg/L
OC	SOC	2037	Simazine	Certified	EPA 507	707	0.13	µg/L
OC	SOC	2020	Toxaphene	Certified	EPA 508	708	1.2	µg/L
OC	VOC	2981	1,1,1-Trichloroethane	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2985	1,1,2-Trichloroethane	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2977	1,1-Dichloroethylene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2378	1,2,4-Trichlorobenzene	Certified	EPA 524.2	721	0.2	µg/L
OC	VOC	2968	1,2-Dichlorobenzene (o-Dichlorobenzene)	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2980	1,2-Dichloroethane	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2983	1,2-Dichloropropane	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2969	1,4-Dichlorobenzene (p-Dichlorobenzene)	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2990	Benzene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2982	Carbon tetrachloride	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2989	Chlorobenzene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2380	cis-1,2-Dichloroethylene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2964	Dichloromethane (Methylene Chloride)	Certified	EPA 524.2	721	0.3	µg/L

Laboratory Name: Lancaster Laboratories  
 KY Lab ID #: 90088

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OC	VOC	2992	Ethylbenzene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2996	Styrene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2987	Tetrachloroethylene (PCE)	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2991	Toluene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2979	trans-1,2-Dichloroethylene	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2984	Trichloroethylene (TCE)	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2976	Vinyl chloride	Certified	EPA 524.2	721	0.1	µg/L
OC	VOC	2955	Xylenes (total)	Certified	EPA 524.2	721	0.3	µg/L