

COMMONWEALTH OF KENTUCKY

Energy and Environment Cabinet

2019

Drinking Water Laboratory Certification Program

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

THIS CERTIFIES THAT

National Testing Laboratories, Ltd.

556 South Mansfield Street

Ypsilanti, MI 48197

Laboratory ID Number: KY90026

The above laboratory has complied with Kentucky Administrative Regulation 401 KAR 8:040, Drinking Water Laboratory Certification Program, for the analyses of drinking water samples, as specified in 42 U.S.C. 300f-300j-26, for the method-analyte pairs specified on the attached certification list.

Effective From: January 1, 2019

To: December 31, 2019



Patrick A. ...

Laboratory Certification Officer

Kevin Stewart

Certification Program Manager

EPA Category	KY Category	Analyte Code	Contaminant	Status	Reference Method	KY Method Code	MRL	MRL Units
DBP	DBP	1011	Bromate	Certified	EPA 300.1	712	0.005	mg/L
DBP	DBP	1011	Bromate	Certified	EPA 326.0	979	0.001	mg/L
State	DBP	1004	Bromide	Certified	EPA 300.1	712	0.005	mg/L
State	DBP	1004	Bromide	Certified	EPA 300.0	720	0.5	mg/L
DBP	DBP	1006	Chloramines (as Cl2)	Certified	SM 4500Cl-G	898	0.05	mg/L
DBP	DBP	1009	Chlorite	Certified	EPA 300.1	712	0.005	mg/L
DBP	DBP	2456	Haloacetic acids (HAA5)	Certified	EPA 552.2	737	0.001	mg/L
DBP	DBP	2920	Total Organic Carbon (TOC)	Certified	SM 5310C	839	0.2	mg/L
DBP	DBP	2950	Total Trihalomethanes (TTHMs)	Certified	EPA 524.2	721	0.0005	mg/L
SEC	Other	1927	Alkalinity	Certified	SM 2320B	849	20	mg/L
State	Other	1928	Alkalinity, Bicarbonate	Certified	SM 2320B	849	20	mg/L
State	Other	1929	Alkalinity, Carbonate	Certified	SM 2320B	849	20	mg/L
State	Other	1931	Alkalinity, Phenolphthalein	Certified	SM 2320B	849	20	mg/L
SEC	Other	1002	Aluminum	Certified	EPA 200.7	799	0.02	mg/L
IOC	Other	1074	Antimony	Certified	EPA 200.8	797	0.003	mg/L
IOC	Other	1005	Arsenic	Certified	EPA 200.8	797	0.002	mg/L
IOC	Other	1005	Arsenic	Certified	SM 3113B	826	0.002	mg/L
IOC	Other	1010	Barium	Certified	EPA 200.8	797	0.10	mg/L
IOC	Other	1010	Barium	Certified	EPA 200.7	799	0.10	mg/L
IOC	Other	1075	Beryllium	Certified	EPA 200.8	797	0.001	mg/L
IOC	Other	1075	Beryllium	Certified	EPA 200.7	799	0.001	mg/L
IOC	Other	1015	Cadmium	Certified	EPA 200.8	797	0.001	mg/L
IOC	Other	1015	Cadmium	Certified	EPA 200.7	799	0.001	mg/L
IOC	Other	1914	Calcium Hardness	Certified	SM 2340B	937	10	mg/L
SEC	Other	1017	Chloride	Certified	EPA 300.0	720	1.0	mg/L
D	Other	0999	Chlorine (as Cl2)	Certified	SM 4500Cl-G	898	0.05	mg/L
D	Other	1008	Chlorine dioxide (as ClO2)	Certified	SM 4500ClO ₂ -D	871	0.1	mg/L
IOC	Other	1020	Chromium (total)	Certified	EPA 200.7	799	0.007	mg/L
IOC	Other	1020	Chromium (total)	Certified	EPA 200.8	797	0.007	mg/L
SEC	Other	1905	Color	Certified	SM 2120B	829	3	mg/L
IOC	Other	1022	Copper	Certified	EPA 200.7	799	0.002	mg/L
IOC	Other	1022	Copper	Certified	EPA 200.8	797	0.002	mg/L
IOC	Other	1025	Fluoride	Certified	EPA 300.0	720	0.10	mg/L
SEC	Other	2905	Foaming Agents	Certified	SM 5540C	855	0.1	mg/L
IOC	Other	1915	Hardness (Total)	Certified	SM 2340B	937	10	mg/L
IOC	Other	1915	Hardness (Total)	Certified	SM 2340C	841	10	mg/L
SEC	Other	1028	Iron	Certified	EPA 200.7	799	0.020	mg/L
IOC	Other	1030	Lead	Certified	EPA 200.8	797	0.001	mg/L
IOC	Other	1030	Lead	Certified	SM 3113B	826	0.001	mg/L
IOC	Other	1031	Magnesium	Certified	EPA 200.7	799	0.10	mg/L
SEC	Other	1032	Manganese	Certified	EPA 200.7	799	0.004	mg/L
SEC	Other	1032	Manganese	Certified	EPA 200.8	797	0.004	mg/L
IOC	Other	1035	Mercury (inorganic)	Certified	EPA 200.8	797	0.0002	mg/L



EPA Category	KY Category	Analyte Code	Contaminant	Status	Reference Method	KY Method Code	MRL	MRL Units
IOC	Other	1036	Nickel	Certified	EPA 200.8	797	0.005	mg/L
IOC	Other	1036	Nickel	Certified	EPA 200.7	799	0.005	mg/L
IOC	Other	1040	Nitrate (as N)	Certified	EPA 300.0	720	0.05	mg/L
IOC	Other	1038	Nitrate-Nitrite	Certified	EPA 300.0	720	0.10	mg/L
IOC	Other	1041	Nitrite (as N)	Certified	EPA 300.0	720	0.05	mg/L
SEC	Other	1920	Odor	Certified	SM 2150B	833	1	TON
SEC	Other	1925	pH	Certified	EPA 150.1	734	N/A	SU
IOC	Other	1045	Selenium	Certified	EPA 200.8	797	0.002	mg/L
IOC	Other	1045	Selenium	Certified	SM 3113B	826	0.002	mg/L
SEC	Other	1050	Silver	Certified	EPA 200.8	797	0.002	mg/L
SEC	Other	1050	Silver	Certified	EPA 200.7	799	0.002	mg/L
State	Other	1052	Sodium	Certified	EPA 200.7	799	1	mg/L
SEC	Other	1055	Sulfate	Certified	EPA 300.0	720	0.5	mg/L
IOC	Other	1085	Thallium	Certified	EPA 200.8	797	0.001	mg/L
SEC	Other	1930	Total Dissolved Solids	Certified	SM 2540C	806	5	mg/L
M	Other	0100	Turbidity	Certified	SM 2130B	831	0.1	mg/L
SEC	Other	1095	Zinc	Certified	EPA 200.8	797	0.004	mg/L
SEC	Other	1095	Zinc	Certified	EPA 200.7	799	0.004	mg/L
State	R (Other)	4006	Uranium	Certified	EPA 200.8	797	0.001	mg/L
OC	SOC	2931	1,2-Dibromo-3-chloropropane (DBCP)	Certified	EPA 504.1	719	0.00001	mg/L
OC	SOC	2110	2,4,5-TP (Silvex)	Certified	EPA 515.4	963	0.0002	mg/L
OC	SOC	2105	2,4-D	Certified	EPA 515.4	963	0.0001	mg/L
OC	SOC	2051	Alachlor (Lasso)	Certified	EPA 525.2	711	0.0002	mg/L
OC	SOC	2047	Aldicarb	Certified	EPA 531.2	962	0.0010	mg/L
OC	SOC	2044	Aldicarb Sulfone	Certified	EPA 531.2	962	0.0010	mg/L
OC	SOC	2043	Aldicarb Sulfoxide	Certified	EPA 531.2	962	0.0010	mg/L
OC	SOC	2050	Atrazine	Certified	EPA 525.2	711	0.0001	mg/L
OC	SOC	2306	Benzo(a)pyrene (PAHs)	Certified	EPA 525.2	711	0.00002	mg/L
OC	SOC	2046	Carbofuran	Certified	EPA 531.2	962	0.0010	mg/L
OC	SOC	2959	Chlordane	Certified	EPA 505	706	0.0001	mg/L
OC	SOC	2031	Dalapon	Certified	EPA 552.2	737	0.0010	mg/L
OC	SOC	2031	Dalapon	Certified	EPA 515.4	963	0.001	mg/L
OC	SOC	2035	Di(2-ethylhexyl) adipate	Certified	EPA 525.2	711	0.0002	mg/L
OC	SOC	2039	Di(2-ethylhexyl) phthalate	Certified	EPA 525.2	711	0.0006	mg/L
OC	SOC	2041	Dinoseb	Certified	EPA 515.4	963	0.0002	mg/L
OC	SOC	2032	Diquat	Certified	EPA 549.2	727	0.0004	mg/L
OC	SOC	2033	Endothall	Certified	EPA 548.1	726	0.009	mg/L
OC	SOC	2005	Endrin	Certified	EPA 505	706	0.00001	mg/L
OC	SOC	2005	Endrin	Certified	EPA 525.2	711	0.0002	mg/L
OC	SOC	2946	Ethylene dibromide	Certified	EPA 504.1	719	0.00001	mg/L
OC	SOC	2034	Glyphosate	Certified	EPA 547	724	0.006	mg/L
OC	SOC	2065	Heptachlor	Certified	EPA 505	706	0.00001	mg/L
OC	SOC	2065	Heptachlor	Certified	EPA 525.2	711	0.0001	mg/L



EPA Category	KY Category	Analyte Code	Contaminant	Status	Reference Method	KY Method Code	MRL	MRL Units
OC	SOC	2067	Heptachlor epoxide	Certified	EPA 505	706	0.00001	mg/L
OC	SOC	2067	Heptachlor epoxide	Certified	EPA 525.2	711	0.0001	mg/L
OC	SOC	2274	Hexachlorobenzene	Certified	EPA 505	706	0.0001	mg/L
OC	SOC	2274	Hexachlorobenzene	Certified	EPA 525.2	711	0.0002	mg/L
OC	SOC	2042	Hexachlorocyclopentadiene	Certified	EPA 505	706	0.0001	mg/L
OC	SOC	2042	Hexachlorocyclopentadiene	Certified	EPA 525.2	711	0.0002	mg/L
OC	SOC	2010	Lindane	Certified	EPA 505	706	0.00002	mg/L
OC	SOC	2010	Lindane	Certified	EPA 525.2	711	0.0001	mg/L
OC	SOC	2015	Methoxychlor	Certified	EPA 505	706	0.0001	mg/L
OC	SOC	2015	Methoxychlor	Certified	EPA 525.2	711	0.0002	mg/L
OC	SOC	2036	Oxamyl (Vydate)	Certified	EPA 531.2	962	0.0010	mg/L
OC	SOC	2326	Pentachlorophenol	Certified	EPA 515.4	963	0.00004	mg/L
OC	SOC	2040	Picloram	Certified	EPA 515.4	963	0.0001	mg/L
OC	SOC	2383	Polychlorinated biphenyls (PCBs)	Certified	EPA 505	706	0.0001	mg/L
OC	SOC	2037	Simazine	Certified	EPA 525.2	711	0.0001	mg/L
OC	SOC	2020	Toxaphene	Certified	EPA 505	706	0.001	mg/L
State	State - SEC	1919	Calcium	Certified	EPA 200.7	799	2.0	mg/L
State	State - SEC	1064	Conductivity	Certified	SM 2510B	845	1	µmhos/cm
State	State - SEC	1044	o-Phosphate	Certified	EPA 300.0	720	0.5	mg/L
State	State - SEC	1049	Silica	Certified	EPA 200.7	799	0.05	mg/L
OC	VOC	2981	1,1,1-Trichloroethane	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2985	1,1,2-Trichloroethane	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2977	1,1-Dichloroethylene	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2378	1,2,4-Trichlorobenzene	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2968	1,2-Dichlorobenzene (o-Dichlorobenzene)	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2980	1,2-Dichloroethane	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2983	1,2-Dichloropropane	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2969	1,4-Dichlorobenzene (p-Dichlorobenzene)	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2990	Benzene	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2982	Carbon tetrachloride	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2989	Chlorobenzene	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2380	cis-1,2-Dichloroethylene	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2964	Dichloromethane (Methylene Chloride)	Certified	EPA 524.2	721	0.0005	mg/L
OC	VOC	2992	Ethylbenzene	Certified	EPA 524.2	721	0.0005	mg/L
State	VOC	2996	Styrene	Certified	EPA 524.2	721	0.0005	mg/L
State	VOC	2987	Tetrachloroethylene (PCE)	Certified	EPA 524.2	721	0.0005	mg/L
State	VOC	2991	Toluene	Certified	EPA 524.2	721	0.0005	mg/L
State	VOC	2979	trans-1,2-Dichloroethylene	Certified	EPA 524.2	721	0.0005	mg/L
State	VOC	2984	Trichloroethylene (TCE)	Certified	EPA 524.2	721	0.0005	mg/L
State	VOC	2976	Vinyl chloride	Certified	EPA 524.2	721	0.0005	mg/L
State	VOC	2955	Xylenes (total)	Certified	EPA 524.2	721	0.0005	mg/L