

COMMONWEALTH OF KENTUCKY

Energy and Environment Cabinet

2026

Drinking Water Laboratory Certification Program

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



THIS CERTIFIES THAT

SGS North America - Dayton

2235 US 130

Dayton, NJ 08810

Laboratory ID Number: KY90131



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, 2026

To: December 31, 2026

A handwritten signature in black ink that reads "Kevin Stewart".

Certification Program Manager
Signed by: Kevin Stewart

SGS North America - Dayton
90131

Effective: January 1, 2026

KY Category	CAS #	Analyte	Status	Reference Method	Method Code for PT Reporting	MRL	MRL Units
All Other DW Chem Analysis (Incl. RADs)		Alkalinity, Total (as CaCO ₃)	Certified	SM 2320 B 22nd Ed.	20045414	5	mg/L
All Other DW Chem Analysis (Incl. RADs)	7429-90-5	Aluminum, Total (as Al)	Certified	EPA 200.7	10013806	200	ug/L
All Other DW Chem Analysis (Incl. RADs)	7429-90-5	Aluminum, Total (as Al)	Certified	EPA 200.8	10014605	50	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-36-0	Antimony, Total (as Sb)	Certified	EPA 200.8	10014605	0.50	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-38-2	Arsenic, Total (as As)	Certified	EPA 200.8	10014605	1	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-39-3	Barium, Total (as Ba)	Certified	EPA 200.7	10013806	200	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-39-3	Barium, Total (as Ba)	Certified	EPA 200.8	10014605	1	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-41-7	Beryllium, Total	Certified	EPA 200.7	10013806	1	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-41-7	Beryllium, Total	Certified	EPA 200.8	10014605	0.50	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-43-9	Cadmium, Total (as Cd)	Certified	EPA 200.7	10013806	3	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-43-9	Cadmium, Total (as Cd)	Certified	EPA 200.8	10014605	0.50	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-70-2	Calcium, total [as Ca]	Certified	EPA 200.7	10013806	5	mg/L
All Other DW Chem Analysis (Incl. RADs)	16887-00-6	Chloride	Certified	EPA 300.0	10053200	2	mg/L
All Other DW Chem Analysis (Incl. RADs)	7782-50-5	Chlorine	Certified	SM 4500-Cl F 22nd Ed.	20080619	0.10	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-47-3	Chromium, Total (as Cr)	Certified	EPA 200.7	10013806	10	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-47-3	Chromium, Total (as Cr)	Certified	EPA 200.8	10014605	4	ug/L



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All Other DW Chem Analysis (Incl. RADs)		Color	Certified	SM 2120 B 22nd Ed.	20039014	5	PCU (Platinum Cobalt Unit - color)
All Other DW Chem Analysis (Incl. RADs)		Conductivity	Certified	SM 2510 B 22nd Ed.	20048413	0.50	umhos/cm
All Other DW Chem Analysis (Incl. RADs)	7440-50-8	Copper, Total	Certified	EPA 200.7	10013806	10	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-50-8	Copper, Total	Certified	EPA 200.8	10014605	4	ug/L
All Other DW Chem Analysis (Incl. RADs)	57-12-5	Cyanide; Free Cyanide	Certified	EPA 335.4	10061402	0.01	mg/L
All Other DW Chem Analysis (Incl. RADs)	16984-48-8	Fluoride	Certified	EPA 300.0	10053200	0.05	mg/L
All Other DW Chem Analysis (Incl. RADs)		Foaming Agents	Certified	SM 5540 C 22nd Ed.	20144814	0.10	mg/L
All Other DW Chem Analysis (Incl. RADs)		Hardness, Total (as CaCO3)	Certified	SM 2340 C 22nd Ed.	20047410	4	mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-89-6	Iron, Total (as Fe)	Certified	EPA 200.7	10013806	100	ug/L
All Other DW Chem Analysis (Incl. RADs)	7439-92-1	Lead, Total (as Pb)	Certified	EPA 200.8	10014605	0.50	ug/L
All Other DW Chem Analysis (Incl. RADs)	7439-95-4	Magnesium, Total (as Mg)	Certified	EPA 200.7	10013806	5	mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-96-5	Manganese, Total (as Mn)	Certified	EPA 200.7	10013806	15	ug/L
All Other DW Chem Analysis (Incl. RADs)	7439-96-5	Manganese, Total (as Mn)	Certified	EPA 200.8	10014605	1	ug/L
All Other DW Chem Analysis (Incl. RADs)	7439-97-6	Mercury, Total (as Hg)	Certified	EPA 245.1	10036609	0.20	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-02-0	Nickel, Total (as Ni)	Certified	EPA 200.7	10013806	10	ug/L



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All Other DW Chem Analysis (Incl. RADs)	7440-02-0	Nickel, Total (as Ni)	Certified	EPA 200.8	10014605	4	ug/L
All Other DW Chem Analysis (Incl. RADs)	84145-82-4	Nitrate	Certified	EPA 353.2	10067604	0.10	mg/L
All Other DW Chem Analysis (Incl. RADs)		Nitrate-Nitrite (as N)	Certified	EPA 353.2	10067604	0.10	mg/L
All Other DW Chem Analysis (Incl. RADs)	14797-65-0	Nitrite	Certified	SM 4500-NO ₂ ⁻ B 22nd Ed.	20112816	0.01	mg/L
All Other DW Chem Analysis (Incl. RADs)	7782-49-2	Selenium, Total (as Se)	Certified	EPA 200.8	10014605	1	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-22-4	Silver, Total (as Ag)	Certified	EPA 200.7	10013806	10	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-22-4	Silver, Total (as Ag)	Certified	EPA 200.8	10014605	2	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-23-5	Sodium, Total (as Na)	Certified	EPA 200.7	10013806	10000	ug/L
All Other DW Chem Analysis (Incl. RADs)		Solids, Total Dissolved	Certified	SM 2540 C 22nd Ed.	20050424	10	mg/L
All Other DW Chem Analysis (Incl. RADs)	14808-79-8	Sulfate, Total (as SO ₄)	Certified	EPA 300.0	10053200	2	mg/L
All Other DW Chem Analysis (Incl. RADs)		Temperature	Certified	SM 2550 B 22nd Ed.	20053127		degrees Celsius
All Other DW Chem Analysis (Incl. RADs)	7440-28-0	Thallium, Total	Certified	EPA 200.8	10014605	0.50	ug/L
All Other DW Chem Analysis (Incl. RADs)		Turbidity	Certified	EPA 180.1	10011800	0.50	NTU
All Other DW Chem Analysis (Incl. RADs)	7440-66-6	Zinc, Total (as Zn)	Certified	EPA 200.7	10013806	20	ug/L
All Other DW Chem Analysis (Incl. RADs)	7440-66-6	Zinc, Total (as Zn)	Certified	EPA 200.8	10014605	4	ug/L
All Other DW Chem Analysis (Incl. RADs)	264888-19-9	o-Phosphate	Certified	SM 4500-P E 22nd Ed.	20124010	0.05	mg/L



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All Other DW Chem Analysis (Incl. RADs)		pH	Certified	SM 4500-H+ B 22nd Ed.	20105015		S.U.
Disinfection By-Products		Carbon, Total Organic	Certified	SM 5310 B 22nd Ed.	20137615	1	mg/L
Synthetic Organic Chemicals	96-12-8	1,2-Dibromo-3-chloropropane	Certified	EPA 504.1	10082801	0.02	ug/L
Synthetic Organic Chemicals	106-93-4	1,2-Dibromoethane (EDB)	Certified	EPA 504.1	10082801	0.02	ug/L
Synthetic Organic Chemicals	13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) (GenX)	Certified	EPA 533	10091619	0.0020	ug/L
Synthetic Organic Chemicals	13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) (GenX)	Certified	EPA 537.1	10091642	0.0020	ug/L
Synthetic Organic Chemicals	375-73-5	Perfluorobutanesulfonic Acid (PFBS)	Certified	EPA 533	10091619	0.0020	ug/L
Synthetic Organic Chemicals	375-73-5	Perfluorobutanesulfonic Acid (PFBS)	Certified	EPA 537.1	10091642	0.0020	ug/L
Synthetic Organic Chemicals	355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	Certified	EPA 533	10091619	0.0020	ug/L
Synthetic Organic Chemicals	355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	Certified	EPA 537.1	10091642	0.0020	ug/L
Synthetic Organic Chemicals	375-95-1	Perfluorononanoic Acid (PFNA)	Certified	EPA 533	10091619	0.0020	ug/L
Synthetic Organic Chemicals	375-95-1	Perfluorononanoic Acid (PFNA)	Certified	EPA 537.1	10091642	0.0020	ug/L
Synthetic Organic Chemicals	335-67-1	Perfluorooctanoic Acid (PFOA)	Certified	EPA 533	10091619	0.0020	ug/L
Synthetic Organic Chemicals	335-67-1	Perfluorooctanoic Acid (PFOA)	Certified	EPA 537.1	10091642	0.0020	ug/L
Synthetic Organic Chemicals	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	Certified	EPA 533	10091619	0.0020	ug/L
Synthetic Organic Chemicals	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	Certified	EPA 537.1	10091642	0.0020	ug/L
Volatile Organic Chemicals	71-55-6	1,1,1-Trichloroethane	Certified	EPA 524.2	10088809	0.50	ug/L



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Volatile Organic Chemicals	79-00-5	1,1,2-Trichloroethane	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	75-35-4	1,1-Dichloroethylene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	120-82-1	1,2,4-Trichlorobenzene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	95-50-1	1,2-Dichlorobenzene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	107-06-2	1,2-Dichloroethane (EDC)	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	78-87-5	1,2-Dichloropropane	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	106-46-7	1,4-Dichlorobenzene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	71-43-2	Benzene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	56-23-5	Carbon Tetrachloride	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	108-90-7	Chlorobenzene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	156-59-2	Cis-1,2-Dichloroethylene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	75-09-2	Dichloromethane (Methylene chloride)	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	100-41-4	Ethylbenzene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	100-42-5	Styrene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	127-18-4	Tetrachloroethylene (PCE)	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	108-88-3	Toluene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	79-01-6	Trichloroethylene	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	75-01-4	Vinyl Chloride	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	1330-20-7	Xylenes (Total)	Certified	EPA 524.2	10088809	0.50	ug/L
Volatile Organic Chemicals	156-60-5	trans-1,2-Dichloroethylene	Certified	EPA 524.2	10088809	0.50	ug/L



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