



State of Tennessee

**DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES**

Certifies That

Suburban Labs – Geneva, IL

*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 TN04935

Prasad Subbanna

Prasad Subbanna
Laboratory Certification Officer
Division of Water Resources

Issue Date: 11/01/2024

Expiration Date: 10/31/2025

*This certification is subject to performance on E.P.A.
Proficiency Testing Samples, laboratory inspections,
payment of annual fees, is nontransferable, and
supersedes previously issued certificates.*

Certified Parameters - Selected Year

TENNESSEE

Suburban Laboratories, Inc.

TN04935

EPA # IL00038

11/1/2024

Attn: Virginia Zusman
1950 South Batavia Ave., Ste. 150
Geneva, IL 60134

Parameter	<u>EPA</u> Parameter #	<u>Approved</u> Method	Study Type	<u>Date</u> Accepted	PT Provider / WS #
Disinfectant Residuals					
Free Chlorine Residual	1945 / 1013	SM - 4500-CI G	Proficiency Test	4/8/2024	Phenova / R38097
Free Chlorine Residual	1945 / 1013	SM - 4500-CI G	Proficiency Test	3/1/2024	Phenova / WS0124
Disinfection By-Products					
HAA					
Dibromoacetic Acid (HAA5)	9357 / 2454	EPA - 552.3	Proficiency Test	3/1/2024	Phenova / WS0124
Dichloroacetic Acid (HAA5)	9360 / 2451	EPA - 552.3	Proficiency Test	3/1/2024	Phenova / WS0124
Monobromoacetic Acid (HAA5)	9312 / 2453	EPA - 552.3	Proficiency Test	3/1/2024	Phenova / WS0124
Monochloroacetic Acid (HAA5)	9336 / 2450	EPA - 552.3	Proficiency Test	3/1/2024	Phenova / WS0124
Trichloroacetic Acid (HAA5)	9642 / 2452	EPA - 552.3	Proficiency Test	3/1/2024	Phenova / WS0124
THM					
Bromodichloromethane	4395 / 2943	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Bromoform	4400 / 2942	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Chlorodibromomethane	4575 / 2944	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Chloroform	4505 / 2941	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Total Trihalomethanes (TTHM)	5205 / 2950	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Herbicides					
2,4,5-TP (Silvex)	8650 / 2110	EPA - 515.4	Proficiency Test	3/1/2024	Phenova / WS0124
2,4-D	8545 / 2105	EPA - 515.4	Proficiency Test	3/1/2024	Phenova / WS0124
Alachlor	7005 / 2051	EPA - 525.2	Proficiency Test	3/1/2024	Phenova / WS0124
Dalapon	8555 / 2031	EPA - 515.4	Proficiency Test	3/1/2024	Phenova / WS0124
Dinoseb	8620 / 2041	EPA - 515.4	Proficiency Test	3/1/2024	Phenova / WS0124
Diquat	9390 / 2032	EPA - 549.2	Proficiency Test	3/1/2024	Phenova / WS0124
Endothall	7525 / 2033	EPA - 548.1	Proficiency Test	3/1/2024	Phenova / WS0124
Glyphosate	9411 / 2034	EPA - 547	Proficiency Test	3/1/2024	Phenova / WS0124
Picloram	8645 / 2040	EPA - 515.4	Proficiency Test	3/1/2024	Phenova / WS0124
Pentachlorophenol	6605 / 2326	EPA - 515.4	Proficiency Test	3/1/2024	Phenova / WS0124
Inorganics					
Alkalinity, as CaCO3	1505 / 1929	SM - 2320 B	Proficiency Test	3/1/2024	Phenova / WS0124

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Accepted</u>	<u>PT Provider / WS #</u>
Calcium	1035/ 1016	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Chloride	1575/ 1017	SM - 4500-Cl-E	Proficiency Test	3/1/2024	Phenova / WS0124
Conductivity	1610/ 1064	SM - 2510 B	Proficiency Test	3/1/2024	Phenova / WS0124
Cyanide	1635/ 1024	EPA - 335.4	Proficiency Test	3/1/2024	Phenova / WS0124
Cyanide	1635/ 1024	SM - 4500-CN-E	Proficiency Test	3/1/2024	Phenova / WS0124
Fluoride	1730/ 1025	SM - 4500-F-C	Proficiency Test	3/1/2024	Phenova / WS0124
Hardness, Total (as CaCO3)	1755/ 1915	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Iron	1070/ 1028	EPA - 200.7	Proficiency Test	4/8/2024	Phenova / R38097
Nitrate	1810/ 1040	EPA - 353.2	Proficiency Test	3/1/2024	Phenova / WS0124
Nitrate + Nitrite	1820/ 1038	EPA - 353.2	Proficiency Test	3/1/2024	Phenova / WS0124
Nitrite	1840/ 1041	EPA - 353.2	Proficiency Test	3/1/2024	Phenova / WS0124
Ortho-phosphate	1870/ 1044	SM - 4500-P E	Proficiency Test	3/1/2024	Phenova / WS0124
pH	1900/ 1925	SM - 4500-H+B	Proficiency Test	3/1/2024	Phenova / WS0124
Silica	1990/ 1049	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Sodium	1155/ 1052	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Sulfate	2000/ 1055	ASTM - D516-90	Proficiency Test	3/1/2024	Phenova / WS0124
TOC (total organic carbon)	2040/ 2920	SM - 5310 B	Proficiency Test	3/1/2024	Phenova / WS0124
Total Dissolved Solids	1955/ 1930	SM - 2540 C	Proficiency Test	3/1/2024	Phenova / WS0124

Metals

Antimony	1005/ 1074	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Arsenic	1010/ 1005	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Barium	1015/ 1010	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Barium	1015/ 1010	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Beryllium	1020/ 1075	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Cadmium	1030/ 1015	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Chromium	1040/ 1020	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Chromium	1040/ 1020	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Copper	1055/ 1022	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Copper	1055/ 1022	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Lead	1075/ 5000	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Magnesium	1085/ 1031	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Manganese	1090/ 1032	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Manganese	1090/ 1032	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Mercury	1095/ 1035	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Mercury	1095/ 1035	EPA - 245.1	Proficiency Test	3/1/2024	Phenova / WS0124
Nickel	1105/ 1036	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Nickel	1105/ 1036	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124
Selenium	1140/ 1045	EPA - 200.8	Proficiency Test	4/8/2024	Phenova / R38097
Thallium	1165/ 1085	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124

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Aluminum	1000 / 1002	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Silver	1150 / 1050	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Zinc	1190 / 1095	EPA - 200.8	Proficiency Test	3/1/2024	Phenova / WS0124
Zinc	1190 / 1095	EPA - 200.7	Proficiency Test	3/1/2024	Phenova / WS0124

Organics

Aldicarb	7010 / 2047	EPA - 531.2	Proficiency Test	3/1/2024	Phenova / WS0124
Aldicarb Sulfone	7015 / 2044	EPA - 531.2	Proficiency Test	3/1/2024	Phenova / WS0124
Aldicarb Sulfoxide	7020 / 2043	EPA - 531.2	Proficiency Test	3/1/2024	Phenova / WS0124
PCBs (as Aroclors)	8872 / 2383	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
DBCP (Dibromochloropropane)	4570 / 2931	EPA - 504.1	Proficiency Test	3/1/2024	Phenova / WS0124
EDB (Ethylene dibromide)	4585 / 2946	EPA - 504.1	Proficiency Test	3/1/2024	Phenova / WS0124
Di(2-ethylhexyl)adipate	6062 / 2035	EPA - 525.2	Proficiency Test	3/1/2024	Phenova / WS0124
Di(2-ethylhexyl)phthalate	6065 / 2039	EPA - 525.2	Proficiency Test	3/1/2024	Phenova / WS0124

Pesticides

Atrazine	7065 / 2050	EPA - 525.2	Proficiency Test	3/1/2024	Phenova / WS0124
Hexachlorocyclopentadiene	6285 / 2042	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Carbofuran	7205 / 2046	EPA - 531.2	Proficiency Test	3/1/2024	Phenova / WS0124
Chlordane	7250 / 2959	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Endrin	7540 / 2005	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Heptachlor	7685 / 2065	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Heptachlor Epoxide	7690 / 2067	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Hexachlorobenzene	6275 / 2274	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Lindane	7120 / 2010	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Methoxychlor	7810 / 2015	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124
Oxamyl (Vydate)	7940 / 2036	EPA - 531.2	Proficiency Test	3/1/2024	Phenova / WS0124
Simazine	8125 / 2037	EPA - 525.2	Proficiency Test	3/1/2024	Phenova / WS0124
Toxaphene	8250 / 2020	EPA - 505	Proficiency Test	3/1/2024	Phenova / WS0124

VOCs - Regulated

1,1,1-Trichloroethane	5160 / 2981	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
1,1,2-Trichloroethane	5165 / 2985	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
1,1-Dichloroethylene	4640 / 2977	EPA - 524.2	Proficiency Test	4/8/2024	Phenova / R38097
1,1-Dichloroethylene	4640 / 2977	EPA - 502.2	Proficiency Test	3/1/2024	Phenova / WS0124
1,2,4-Trichlorobenzene	5155 / 2378	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
1,2-Dichlorobenzene	4610 / 2968	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124

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1,2-Dichloroethane	4635 / 2980	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
1,2-Dichloropropane	4655 / 2983	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
1,4-Dichlorobenzene	4620 / 2969	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Benzene	4375 / 2990	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Carbon Tetrachloride	4455 / 2982	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Chlorobenzene	4475 / 2989	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
cis-1,2-Dichloroethylene	4645 / 2380	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Dichloromethane (methylene chloride)	4975 / 2964	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Ethylbenzene	4765 / 2992	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Styrene	5100 / 2996	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Tetrachloroethylene	5115 / 2987	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Toluene	5140 / 2991	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Total Xylenes	5260 / 2955	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
trans-1,2-dichloroethene	4700 / 2979	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Trichloroethylene	5170 / 2984	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124
Vinyl Chloride	5235 / 2976	EPA - 524.2	Proficiency Test	3/1/2024	Phenova / WS0124

VOCs - Synthetics

Benzo(a)pyrene	5580 / 2306	EPA - 525.2	Proficiency Test	3/1/2024	Phenova / WS0124
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