



*State of Tennessee*

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

*Certifies That*

**Microbac Laboratories–New England Div, Dayville, CT**

*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 04903**

Prasad Subbanna  
Laboratory Certification Officer  
Division of Water Resources

Issue/Effective Date: 1/15/2025

Expiration Date: 1/15/2026

*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

Microbac - New England Division

TN04903

EPA # CT00008

3/26/2025

Attn: Lexie White  
61 Louisa Viens Drive  
Dayville, CT 06241

Parameter	<u>EPA</u> Parameter #	<u>Approved</u> Method	Study Type	<u>Date</u> Accepted	PT Provider / WS #
<b>Disinfectant Residuals</b>					
Free Chlorine Residual	1945 / 1013	SM - 4500-CI G	Proficiency Test	4/4/2024	ABS / WS040424
Total Chlorine Residual	1940 / 1012	SM - 4500-CI G	Proficiency Test	4/4/2024	ABS / WS040424
<b>Disinfection By-Products</b>					
<b>HAA</b>					
Dibromoacetic Acid (HAA5)	9357 / 2454	EPA - 552.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Dichloroacetic Acid (HAA5)	9360 / 2451	EPA - 552.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Monobromoacetic Acid (HAA5)	9312 / 2453	EPA - 552.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Monochloroacetic Acid (HAA5)	9336 / 2450	EPA - 552.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Trichloroacetic Acid (HAA5)	9642 / 2452	EPA - 552.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
<b>THM</b>					
Bromodichloromethane	4395 / 2943	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Bromoform	4400 / 2942	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Chloroform	4505 / 2941	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Dibromochloromethane	4575 / 2944	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP 472
<b>Herbicides</b>					
2,4,5-TP (Silvex)	8650 / 2110	EPA - 515.3	Proficiency Test	6/4/2024	NY-DH / ELAP 472
2,4-D	8545 / 2105	EPA - 515.3	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Alachlor	7005 / 2051	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Alachlor	7005 / 2051	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Dalapon	8555 / 2031	EPA - 515.3	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Dinoseb	8620 / 2041	EPA - 515.3	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Diquat	9390 / 2032	EPA - 549.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Glyphosate	9411 / 2034	EPA - 547	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Picloram	8645 / 2040	EPA - 515.3	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Pentachlorophenol	6605 / 2326	EPA - 515.3	Proficiency Test	6/4/2024	NY-DH / ELAP 472
<b>Inorganics</b>					
Calcium	1035 / 1016	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Chloride	1575 / 1017	SM - 4500-CI-E	Proficiency Test	6/4/2024	NY-DH / ELAP 472

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Accepted</u>	<u>PT Provider / WS #</u>
Chloride	1575/ 1017	EPA - 300.0	Proficiency Test	4/4/2024	ABS / WS040424
Color	1605/ 1905	SM - 2120 B	Proficiency Test	4/4/2024	ABS / WS040424
Conductivity	1610/ 1064	SM - 2510 B	Proficiency Test	7/2/2024	ABS / QTA061824
Cyanide	1635/ 1024	EPA - 335.4	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Fluoride	1730/ 1025	EPA - 300.0	Proficiency Test	4/4/2024	ABS / WS040424
Fluoride	1730/ 1025	SM - 4500-F-C	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Iron	1070/ 1028	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
MBAS (Foaming Agent)	2025/ 1089	SM - 5540 C	Proficiency Test	4/4/2024	ABS / WS040424
Nitrate	1810/ 1040	SM - 4500-NO3-F	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Nitrate	1810/ 1040	EPA - 300.0	Proficiency Test	4/4/2024	ABS / WS040424
Nitrite	1840/ 1041	EPA - 300.0	Proficiency Test	4/4/2024	ABS / WS040424
Ortho-phosphate	1870/ 1044	EPA - 365.1	Proficiency Test	6/4/2024	NY-DH / ELAP 472
pH	1900/ 1925	SM - 4500-H+B	Proficiency Test	4/4/2024	ABS / WS040424
Potassium	1125/ 1042	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Silica	1990/ 1049	EPA - 200.7	Proficiency Test	4/4/2024	ABS / WS040424
Sodium	1155/ 1052	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Sulfate	2000/ 1055	EPA - 300.0	Proficiency Test	4/4/2024	ABS / WS040424
Sulfate	2000/ 1055	SM - 4500-SO4 E	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Total Dissolved Solids	1955/ 1930	SM - 2540 C	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Total Hardness as CaCO3	1755/ 1915	EPA - 200.7	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Turbidity	2055/ 0100	SM - 2130 B	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Alkalinity, Total	1505/ 1927	SM - 2320 B	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472

**Metals**

Antimony	1005/ 1074	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Arsenic	1010/ 1005	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Barium	1015/ 1010	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Barium	1015/ 1010	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Beryllium	1020/ 1075	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Beryllium	1020/ 1075	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Cadmium	1030/ 1015	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Cadmium	1030/ 1015	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Chromium	1040/ 1020	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Chromium	1040/ 1020	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Copper	1055/ 1022	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Copper	1055/ 1022	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Lead	1075/ 5000	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Magnesium	1085/ 1031	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Manganese	1090/ 1032	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Manganese	1090/ 1032	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Accepted</u>	<u>PT Provider / WS #</u>
Mercury	1095 / 1035	EPA - 245.1	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Mercury	1095 / 1035	EPA - 200.8	Proficiency Test	4/4/2024	ABS / WS040424
Nickel	1105 / 1036	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Nickel	1105 / 1036	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Selenium	1140 / 1045	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Thallium	1165 / 1085	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Aluminum	1000 / 1002	EPA - 200.7	Proficiency Test	4/4/2024	ABS / WS040424
Aluminum	1000 / 1002	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Silver	1150 / 1050	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Silver	1150 / 1050	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Zinc	1190 / 1095	EPA - 200.7	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Zinc	1190 / 1095	EPA - 200.8	Proficiency Test	5/16/2024	NY-DH / ELAP 472

### Organics

Aldicarb	7010 / 2047	EPA - 531.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Aldicarb Sulfone	7015 / 2044	EPA - 531.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Aldicarb Sulfoxide	7020 / 2043	EPA - 531.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
PCBs (as Aroclors)	8870 / 2383	EPA - 505	Proficiency Test	4/4/2024	ABS / WS040424
1,2-dibromo-3-chloropropane(DBCP)	4570 / 2931	EPA - 504.1	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
1,2-Dibromoethane (EDB)	4585 / 2946	EPA - 504.1	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
bis(2-ethylhexyl)adipate	6062 / 2035	EPA - 525.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
bis(2-Ethylhexyl)phthalate	6065 / 2298	EPA - 525.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
bis(2-ethylhexyl)phthalate	6065 / 2298	EPA - 506	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Di(2-ethylhexyl)adipate	6062 / 2035	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472

### Pesticides

Atrazine	7065 / 2050	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Hexachlorocyclopentadiene	6285 / 2042	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Hexachlorocyclopentadiene	6285 / 2042	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Carbofuran	7205 / 2046	EPA - 531.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Chlordane	7250 / 2959	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Endrin	7540 / 2005	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Heptachlor	7685 / 2065	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Heptachlor	7685 / 2065	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Heptachlor Epoxide	7690 / 2067	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Heptachlor Epoxide	7690 / 2067	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Hexachlorobenzene	6275 / 2274	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472

<u>Parameter</u>	<u>EPA Parameter #</u>	<u>Approved Method</u>	<u>Study Type</u>	<u>Date Accepted</u>	<u>PT Provider / WS #</u>
Hexachlorobenzene	6275/ 2274	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Lindane	7120/ 2010	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Lindane	7120/ 2010	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Methoxychlor	7810/ 2015	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Methoxychlor	7810/ 2015	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Oxamyl (Vydate)	7940/ 2036	EPA - 531.2	Proficiency Test	6/4/2024	NY-DH / ELAP 472
Simazine	8125/ 2037	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Toxaphene	8250/ 2020	EPA - 505	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472
Toxaphene	8250/ 2020	EPA - 505	Proficiency Test	5/16/2024	NY-DH / ELAP 472

### VOCs - Regulated

1,1,1-Trichloroethane	5160/ 2981	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
1,1,2-Trichloroethane	5165/ 2985	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
1,1-Dichloroethylene	4640/ 2977	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
1,2,4-Trichlorobenzene	5155/ 2378	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
1,2-Dichlorobenzene	4610/ 2968	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
1,2-Dichloroethane	4635/ 2980	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
1,2-Dichloropropane	4655/ 2983	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
1,4-Dichlorobenzene	4620/ 2969	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Benzene	4375/ 2990	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Carbon Tetrachloride	4455/ 2982	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Chlorobenzene	4475/ 2989	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
cis-1,2-Dichloroethylene	4645/ 2380	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Ethylbenzene	4765/ 2992	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Methylene chloride (dichloromethane)	4975/ 2964	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Styrene	5100/ 2996	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Tetrachloroethylene	5115/ 2987	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Toluene	5140/ 2991	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Total Xylenes	5260/ 2955	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
trans-1,2-dichloroethylene	4700/ 2979	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Trichloroethylene	5170/ 2984	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472
Vinyl Chloride	5235/ 2976	EPA - 524.2	Proficiency Test	5/16/2024	NY-DH / ELAP472

### VOCs - Synthetics

Benzo(a)pyrene	5580/ 2306	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / ELAP 472
Benzo(a)pyrene	5580/ 2306	EPA - 525.2	Proficiency Test	5/16/2024	NY-DH / NYSDOH 472