

Nashville Metro Water Service PWSID TN0000494
2024 Entry Point to Distribution Monitoring Annual Averages

Inorganic Parameters

Results in mg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Antimony - total *	<0.0004	not detected	0.006
Arsenic*	0.0001	0.0001 - 0.0001	0.01
Asbestos **	<0.2	not detected	7 million fibers / L
Barium*	0.019	0.0185 - 0.0194	2
Beryllium - total*	<0.0004	not detected	0.004
Cadmium*	<0.0001	not detected	0.005
Chromium*	0.0016	0.0015 - 0.0016	0.1
Cyanide	<0.005	not detected	0.2
Fluoride	0.68	0.61 - 0.75	4
Lead	<0.0001	not detected	0.015 (action level)
Mercury*	<0.0001	not detected	0.002
Nickel*	0.0010	0.0010 - 0.0010	0.1
Nitrate	0.180	0.126 - 0.249	10
Nitrite	<0.004	not detected	1
Selenium*	<0.0010	not detected	0.05
Thallium - total*	<0.0010	not detected	0.002

* Analyzed 2/15/2022 Required Once Every 9 Years

** Analyzed 05/20/2024 Required Once Every 9 Years, results reported in million fibers/ liter

Secondary Standards

Results in mg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Chloride	13.3	9.04 - 16.8	250
Color	<2.0	not detected	15 (Color Units)
Copper	0.0011	not detected - 0.0020	1.3 (action level)
MBAS	<0.025	not detected	0.5
Iron	<0.025	not detected	0.3
Manganese*	0.0012	0.0019 - 0.0005	0.05
Sulfate	38.5	29.2 - 42.8	250
Total Dissolved Solids	144	119 - 172	500
Zinc*	<0.0010	not detected	5
Odor (Threshold odor #)	<1.0	not detected	3 (TON)
pH	7.07	6.91 - 7.21	6.5 to 8.5 (Std Units)
Silver*	<0.010	not detected	0.1
Aluminum*	0.0164	0.0160 - 0.0168	0.2

* Analyzed 2/15/2022 Required Once Every 9 Years

Trihalomethanes

Results in µg/L Sampled Quarterly

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Trichloromethane (Chloroform)	10.3	8.3 - 12.8	N/A
Bromodichloromethane	2.9	1.7 - 3.8	N/A
Dibromochloromethane	0.5	not detected- 0.9	N/A
Tribromomethane (Bromoform)	<1.0	not detected	N/A
Total Trihalomethanes (THM's)	13.7	10.4 - 17.3	80

Haloacetic Acids

Results in µg/L Sampled Quarterly

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Monochloroacetic Acid	<2.0	not detected	N/A
Dichloroacetic Acid	4.9	4.0 - 5.7	N/A
Trichloroacetic Acid	4.4	3.4 - 5.6	N/A
Monobromoacetic Acid	<1.0	not detected	N/A
Dibromoacetic Acid	<1.0	not detected	N/A
Total Haloacetic Acids (HAA's)	9.3	7.6 - 11.0	60

Synthetic Organic Chemicals

4/30/2024 Sampling date

Results in µg/L

Regulated Pesticides

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Lindane	<0.020	not detected	0.2
Methoxychlor	<0.10	not detected	40
Dalapon	<1.0	not detected	200
Diquat	<0.40	not detected	20
Endothall	<5.0	not detected	100
Glyphosate	<6.0	not detected	700
Di(2-ethylhexyl)adipate	<0.60	not detected	400
Oxamyl (Vydate)	<1.0	not detected	200
Simazine	<0.070	not detected	4.0
Di(2-ethylhexyl)phthalate	<0.60	not detected	6.0
Picloram	<0.10	not detected	500
Carbofuran	<0.90	not detected	40
Atrazine	<0.10	not detected	3.0
Alachlor (Lasso)	<0.10	not detected	2.0
2,4-D	<0.10	not detected	70
Benzo(a)pyrene	<0.020	not detected	0.2
Pentachlorophenol	<0.040	not detected	1.0
Chlordane	<0.10	not detected	2.0
Polychlorinated biphenyls (PCBs)	<0.10	not detected	0.50

Radiochemical Parameters

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Gross Alpha	<3.0 pci/L	not detected	15 pci / L
Radium - 226 / 228	<0.46 / <1.01 pci/L	not detected	3 / 5 pci / L

Miscellaneous

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Sodium	10.0	7.80-11.3	not established
Hardness (Calcium)	77.3	66.4 - 101.3	not established
Alkalinity as CaCO ₃	66.5	54.4 - 86.9	not established
Temperature	18.8	6.0 - 27.7	not established
Langlier Index	(-)1.1	(-)0.7 - (-)1.4 (LSI)	not established
Aggressive Index	10.8	10.5 - 11.2 (AI)	not established

Volatile Organic Chemicals

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Benzene	<0.0005	not detected	0.005
Carbon Tetrachloride	<0.0005	not detected	0.005
p - Dichlorobenzene	<0.0005	not detected	0.075
1,2 - Dichloroethane	<0.0005	not detected	0.005
1,1 - Dichloroethylene	<0.0005	not detected	0.007
1,1,1 - Trichloroethane	<0.0005	not detected	0.20
Trichloroethylene	<0.0005	not detected	0.005
Vinyl Chloride	<0.0005	not detected	0.002
cis -1,2 - Dichloroethylene	<0.0005	not detected	0.07
Dichloromethane	<0.0005	not detected	0.005
1,2 - Dichloropropane	<0.0005	not detected	0.005
Ethylbenzene	<0.0005	not detected	0.7
Monochlorobenzene	<0.0005	not detected	0.1
o - Dichlorobenzene	<0.0005	not detected	0.6
Styrene	<0.0005	not detected	0.1
Tetrachloroethylene	<0.0005	not detected	0.005
Toluene	<0.0005	not detected	1
trans - 1,2 - Dichloroethylene	<0.0005	not detected	0.1
Xylenes (total)	<0.0005	not detected	10
1,2,4 - Trichlorobenzene	<0.0005	not detected	0.07
1,1,2 - Trichloroethane	<0.0005	not detected	0.005

Results in mg/L unless noted

Volatile Organic Chemicals

2/5/2024

Unregulated

<u>Parameter</u>		<u>Range of Detection</u>	<u>MCL</u>
Bromobenzene	<0.0005	not detected	none
Bromodichloromethane	0.0018	0.0017 - 0.0019	none
Tribromomethane (Bromoform)	<0.0005	not detected	none
Bromomethane	<0.0005	not detected	none
Chlorodibromomethane	<0.0005	not detected	none
Chloroethane	<0.0005	not detected	none
Trichloromethane (Chloroform)	0.0044	0.0043 - 0.0044	none
Chloromethane	<0.0005	not detected	none
o - Chlorotoluene	<0.0005	not detected	none
p - Chlorotoluene	<0.0005	not detected	none
Dibromomethane	<0.0005	not detected	none
m - Dichlorobenzene	<0.0005	not detected	none
1,1 - Dichloroethane	<0.0005	not detected	none
1,3 - Dichloropropane	<0.0005	not detected	none
2,2 - Dichloropropane	<0.0005	not detected	none
1,1 - Dichloropropene	<0.0005	not detected	none
1,3 - Dichloropropene	<0.0005	not detected	none
1,1,1,2 - Tetrachloroethane	<0.0005	not detected	none
1,1,2,2 - Tetrachloroethane	<0.0005	not detected	none
1,2,3 - Trichloropropane	<0.0005	not detected	none