

**Nashville Metro Water Service PWSID TN0000494**  
**2023 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 **	<0.09	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	0.69	0.59 - 0.84	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	0.357	0.355 - 0.359	10
Nitrite	<0.005	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 2/10/2020 Required Once Every 9 Years

**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	13.8	9.5 - 18.5	250
Color	<2.0	not detected	15 (Color Units)
Copper	0.0010	not detected - 0.0014	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	35.1	30.2 - 42.0	250
Total Dissolved Solids	143	117 - 169	500
Zinc*	<0.0010	not detected	5
Odor (Threshold odor #)	<1.0	not detected	3 (TON)
pH	7.10	7.00 - 7.44	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)	11.0	6.8 - 16.8	N/A
Bromodichloromethane	2.7	1.7 - 3.9	N/A
Dibromochloromethane	<1.0	not detected	N/A
Tribromomethane (Bromoform)	<1.0	not detected	N/A
Total Trihalomethanes (THM's)	13.7	9.2 - 20.7	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	5.2	3.3 - 7.1	N/A
Trichloroacetic Acid	4.3	2.3 - 7.1	N/A
Monobromoacetic Acid	<1.0	not detected	N/A
Dibromoacetic Acid	<1.0	not detected	N/A
Total Haloacetic Acids (HAA's)	9.7	5.5 - 14.2	60

## Organic Parameters

4/29/2021 Results in mg/L

## Regulated Pesticides

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Atrazine	<0.0001	not detected	0.003

## Organic Parameters

4/29/2021 Results in mg/L

## Regulated Herbicides

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Simazine	<0.00006	not detected	0.004
Alachlor (Lasso)	<0.00020	not detected	0.002
2,4-D*	0.0001	<0.0001 - 0.0004	0.070

\* due to results above detection on 5/14/2023 2,4-D sampling now occurs quarterly. All combined results average to 0.0001 mg/L.

4/18/2018 Results in mg/L

Picloram	<0.00010	not detected	0.500
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## Radiochemical Parameters

2/9/2016 Results

<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

Results in mg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Sodium	10.9	10.2 - 11.3	not established
Hardness (Calcium)	79.5	67.1 - 102.6	not established
Alkalinity as CaCO <sub>3</sub>	69.7	55.4 - 94.4	not established
Temperature	19.3	11.0 - 27.6	not established
Langlier Index	(-)0.9	(-)0.6 - (-)1.3 (LSI)	not established
Aggressive Index	10.8	10.6 - 11.2 (AI)	not established

Results in mg/L unless noted

**Volatile Organic Chemicals**

3/9/2023

**Regulated**

<u>Parameter</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**

3/9/2023

**Unregulated**

<u>Parameter</u>		<u>Range of Detection</u>	<u>MCL</u>
Bromobenzene	<0.0005	not detected	none
Bromodichloromethane	0.0021	0.0016 - 0.0026	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)	0.0054	0.00347 - 0.0070	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