

**PWSID: TN000094**  
**Nashville, TN**  
**Inorganic Parameters**

**2021 Entry Point to Distribution Monitoring**  
**Annual Averages**

Results in mg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>Range of Detection</u>	<u>MCL</u>
Antimony - total	waived*		0.006
Arsenic	waived*		0.05
Asbestos * *	<0.09	not detected	7 million fibers / L
Barium	waived*		2
Beryllium - total	waived*		0.004
Cadmium	waived*		0.005
Chromium	waived*		0.1
Cyanide	waived*		0.2
Fluoride	0.66	0.42 - 0.79	4
Lead	<0.0001	<0.0001 - 0.0001	0.015 (action level)
Mercury	waived*		0.002
Nickel	waived*		0.1
Nitrate	0.359	0.352 - 0.367	10
Nitrite	<0.005	not detected	1
Selenium	waived*		0.05
Thallium - total	waived*		0.002

\*\* Analyzed 2/10/2020

**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	13.0	7.8 - 22.2	250
Color	<2.0	not detected	15 (Color Units)
Copper	<0.001	not detected	1.3 (action level)
MBAS	<0.025	not detected	0.5
Iron	waived*		0.3
Manganese	waived*		0.05
Sulfate	32.4	24.0 - 40.7	250
Total Dissolved Solids	145	124 - 185	500
Zinc	waived*		5
Odor (Threshold odor #)	<1.0	not detected	3 (TON)
pH	7.09	6.69 - 7.47	6.5 to 8.5 (Std Units)
Silver	waived*		0.1
Aluminum	waived*		0.2

waived\* = Nine (9) year reduced monitoring waiver granted by TDEC due to historically no detection and low risk of possible contaminate presence in MWS drinking water

**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)	10.9	8.8 - 13.2	N/A
Bromodichloromethane	2.6	1.9 - 3.2	N/A
Dibromochloromethane	<1.0	not detected	N/A
Tribromomethane (Bromoform)	<1.0	not detected	N/A
Total Trihalomethanes (THM's)	13.5	10.7 - 15.8	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	5.4	4.5 - 6.2	N/A
Trichloroacetic Acid	4.5	3.5 - 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)	9.9	8.0 - 11.7	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
2,4-D	<0.00010	not detected	0.070
Alachlor (Lasso)	<0.00020	not detected	0.002

4/18/2018 Results in mg/L

Picloram	<0.00010	not detected	0.500
----------	----------	--------------	-------

**Radiochemical Parameters**

Analyzed 2/9/16

<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		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	13.6	12.2 - 15.3	not established
Hardness (Calcium)	78.2	61.8 - 113.2	not established
Alkalinity	69.8	48.7 - 95.8	not established
Temperature	18.4	7.9 - 30.7	not established
Langlier Index	(-)1.0	(-)0.6 - (-)1.7	not established
Aggressive Index	10.8	10.3 - 11.3	not established

**Volatile Organic Chemicals**

2/3/2021

**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
Para - 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

**Volatile Organic Chemicals**

2/3/2021

**Unregulated**

<u>Parameter</u>		<u>Range of Detection</u>	<u>MCL</u>
Bromobenzene	<0.0005	not detected	none
Bromodichloromethane	1.2	1.1 - 1.3	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)	3.8	3.7 - 3.9	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