

**2019 Entry Point to
Distribution Monitoring
Annual Averages**

Nashville

Inorganic Parameters

Results in mg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>MCL</u>
Antimony - total	waived*	0.006
Arsenic	waived*	0.05
Asbestos * *	<0.2	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	0.65	4
Lead	<0.0001	0.015 (action level)
Mercury	waived*	0.002
Nickel	waived*	0.1
Nitrate	0.464	10
Nitrite	<0.005	1
Selenium	waived*	0.05
Thallium - total	waived*	0.002

**** Analyzed 2011**

Secondary Standards

Results in mg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>MCL</u>
Chloride	11.4	250
Color	<2.0	15 (Color Units)
Copper	0.0006	1.3 (action level)
MBAS	<0.025	0.5
Iron	waived*	0.3
Manganese	waived*	0.05
Sulfate	33.7	250
Total Dissolved Solids	136	500
Zinc	waived*	5
Odor (Threshold odor #)	<1.0	3 (TON)
pH	7.12	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 low risk of possible contaminate presence in MWS drinking water

Trihalomethanes

Results in µg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>MCL</u>
Trichloromethane (Chloroform)	7.8	N/A
Bromodichloromethane	2.5	N/A
Dibromochloromethane	<1.0	N/A
Tribromomethane (Bromoform)	<1.0	N/A
Total Trihalomethanes (THM's)	10.3	80

Haloacetic Acids

Results in µg/L unless noted

<u>Parameter</u>	<u>Metro Water Services</u>	<u>MCL</u>
Monochloroacetic Acid	<2.0	N/A
Dichloroacetic Acid	4.3	N/A
Trichloroacetic Acid	4.0	N/A
Monobromoacetic Acid	<1.0	N/A
Dibromoacetic Acid	<1.0	N/A
Total Haloacetic Acids (HAA's)	8.3	60

Organic Parameters

4/18/18 Results in mg/L

<u>Parameter</u>	<u>Metro Water Services</u>	<u>MCL</u>
Atrazine	<0.000022	0.003

Organic Parameters

4/18/18 Results in mg/L

<u>Parameter</u>	<u>Metro Water Services</u>	<u>MCL</u>
Simazine	<0.00007	0.004
Picloram	<0.00010	0.500
Alachlor (Lasso)	<0.00020	0.002

Sampling dates: 1/20/2019, 4/9/2019, 7/23/2019

2,4-D	<0.00010	0.070
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Radiochemical Parameters

Analyzed 2/9/16

<u>Parameter</u>	<u>Metro Water Services</u>	<u>MCL</u>
Gross Alpha	<3.0 pci/L	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>MCL</u>
Sodium	12.2	not established
Hardness (Calcium)	67.7	not established
Alkalinity	55.1	not established
Temperature	18.8 °C	not established
Langlier Index	(-)1.0	not established

Aggressive Index	11.0	not established
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Volatile Organic Chemicals

2/26/2019

RegulatedParameterMetro Water ServicesMCL

Benzene	<0.0005	0.005
Carbon Tetrachloride	<0.0005	0.005
Para - Dichlorobenzene	<0.0005	0.075
1,2 - Dichloroethane	<0.0005	0.005
1,1 - Dichloroethylene	<0.0005	0.007
1,1,1 - Trichloroethane	<0.0005	0.20
Trichloroethylene	<0.0005	0.005
Vinyl Chloride	<0.0005	0.002
cis -1,2 - Dichloroethylene	<0.0005	0.07
Dichloromethane	<0.0005	0.005
1,2 - Dichloropropane	<0.0005	0.005
Ethylbenzene	<0.0005	0.7
Monochlorobenzene	<0.0005	0.1
o - Dichlorobenzene	<0.0005	0.6
Styrene	<0.0005	0.1
Tetrachloroethylene	<0.0005	0.005
Toluene	<0.0005	1
trans - 1,2 - Dichloroethylene	<0.0005	0.1
Xylenes (total)	<0.0005	10
1,2,4 - Trichlorobenzene	<0.0005	0.07
1,1,2 - Trichloroethane	<0.0005	0.005

Volatile Organic Chemicals

2/26/2019

UnregulatedParameterMetro Water ServicesMCL

Bromobenzene	<0.0005	none
Bromodichloromethane	1.4	none
Tribromomethane (Bromoform)	<0.0005	none
Bromomethane	<0.0005	none
Chlorodibromomethane	<0.0005	none
Chloroethane	<0.0005	none
Trichloromethane (Chloroform)	3.9	none
Chloromethane	<0.0005	none
o - Chlorotoluene	<0.0005	none
p - Chlorotoluene	<0.0005	none
Dibromomethane	<0.0005	none
m - Dichlorobenzene	<0.0005	none
1,1 - Dichloroethane	<0.0005	none
1,3 - Dichloropropane	<0.0005	none
2,2 - Dichloropropane	<0.0005	none
1,1 - Dichloropropene	<0.0005	none
1,3 - Dichloropropene	<0.0005	none
1,1,1,2 - Tetrachloroethane	<0.0005	none
1,1,2,2 - Tetrachloroethane	<0.0005	none
1,2,3 - Trichloropropane	<0.0005	none