

# City of St. Marys Drinking Water Quality - 2021 Complete Contaminant Monitoring List

Drinking water quality is regulated by the Safe Drinking Water Act and the Environmental Protection Agency (EPA). In Ohio, water standards are set in two categories - primary and secondary standards. In the table below you will find a complete listing of both types of standards, and the most recent test results for the more than 130 contaminants we monitor in our drinking water. St. Marys meets all Federal and State drinking water standards. The table shows amounts in milligrams per liter (mg/L) which is the same as parts per million. To put that in perspective, consider that one part per million is equal to a single inch in 16 miles! The lower the results, the better the quality.

Primary, Health-Related Standards (mg/L)					Primary, Health-Related Standards				
Parameter	Year	MCLG	MCL	St. Marys	Parameter	Year	MCLG	MCL	St. Marys
<b>Inorganic Contaminants</b>					<b>Synthetic Organic Contaminants (mg/L)</b>				
Antimony	2020	0.006	0.006	<0.003	Alachlor	2021	0	0.002	<0.00012
Arsenic	2020	N/A	0.010	<0.003	Aldicarb (proposed)	1994	0.001	0.003	<0.005
Asbestos (mf/l > 10 um)	2020	7	7	<0.2	Aldicarb Sulfone (proposed)	1994	0.001	0.002	<0.005
Barium	2020	2	2	<0.01	Aldicarb Sulfoxide (proposed)	1994	0.001	0.004	<0.005
Beryllium	2020	0	0.004	<0.0005	Aldrin	1994	N/A	N/A	<0.0001
Cadmium	2020	0.005	0.005	<0.0005	Atrazine	2021	0.003	0.003	<0.000083
Chromium	2020	0.1	0.1	<0.01	Benzo-a-pyrenes	1997	0	0.0002	<0.00002
Cyanide	2020	0.2	0.2	<0.005 mg/l	Butachlor	1994	N/A	N/A	<0.01
Fluoride	2020	4.0	4.0	0.439 mg/l	Carbaryl	1997	N/A	N/A	<0.01
Mercury	2020	0.002	0.002	<0.0002	Carbofuran	1997	0.04	0.04	<0.004
Nickel	2020	0.1	0.1	<0.01	Chlordane	1994	0	0.002	<0.0004
Nitrate as Nitrogen	2021	10.0	10.0	<0.10 mg/l	2,4-D	1997	0.07	0.07	<0.007
Nitrate + Nitrite as Nitrogen	2021	10.0	10.0	<0.10 mg/l	Dalapon	1994	0.2	0.2	<0.2
Nitrite as Nitrogen	2021	N/A	1.0	<0.10 mg/l	Di(2-ethylhexyl)adipate	1997	0.4	0.4	<0.04
Selenium	2020	0.05	0.05	0.003	Di(2-ethylhexyl)phthalate	1997	0	0.006	<0.0006
Thallium	2020	0.0005	0.002	<0.001	Dibromochloropropane(DBCP)	N/A	0	0.0002	Waivered
Copper (Action Level, not MCL)	2021	1.3	1.3	0.0774 (90 <sup>th</sup> )	Dicamba	1997	N/A	N/A	<0.01
Lead (Action Level, not MCL)	2021	0	0.015	0.0000 (90 <sup>th</sup> )	Dieldrin	1994	N/A	N/A	<0.0001
<b>Disinfection Byproducts (ug/L)</b>					<b>Radiologicals (pCi/L)</b>				
Disinfectants, Total Chlorine	Yearly Average		4.0	2.1	Gross Alpha	2021	0	15	<3.00
Haloacetic Acids (sum of HAA5 below)	2021	N/A	0.06	<0.006	Radium -225	2003	N/A	N/A	<1
- Dibromoacetic Acid	2021	N/A	N/A	<0.001	Radium - 228	2021	0	5	<1.00
- Dichloroacetic Acid	2021	N/A	N/A	<0.001	<b>Microbiologicals (Presence/Absence)</b>				
- Monobromoacetic Acid	2021	N/A	N/A	<0.001	Total Coliform Bacteria	3/Week	0	Absent	Absent
- Monochloroacetic Acid	2021	N/A	N/A	<0.002	<b>Secondary, Aesthetic Standards (mg/l)</b>				
- Trichloroacetic Acid	2021	N/A	N/A	0.0015	Parameter	Year	SMCL	St. Marys	
Trihalomethanes(sum of 4 THM below)	2021	N/A	0.08	<0.002	Aluminum	1996	0.05 - 0.2	<0.06	
- Bromodichloromethane (1 of 4 THM)	2021	0	N/A	<0.0005	Chloride	1996	250	22.0	
- Bromoform (1 of 4 THM)	2021	0	N/A	<0.0005	Color (color units)	1996	15	0	
- Chloroform (1 of 4 THM)	2021	0	N/A	0.0007	Corrosivity	2021	Non-Corrosive	Non-Corrosive	
- Dibromochloromethane (1 of 4 THM)	2021	0.06	N/A	<0.0005	Fluoride	2020	2.0	0.439	
<b>Volatile Organic Contaminants (mg/L)</b>					<b>Additional Parameters Analyzed - 2021 Ave (mg/L)</b>				
Benzene	2021	0	0.005	<0.0005	Alkalinity, phenol			5	
Carbon Tetrachloride	2021	0	0.005	<0.0005	Alkalinity, total			65	
o-Dichlorobenzene 1,2	2021	0.6	0.6	<0.0005	Chlorine Residual, combined *			2.2	
p-Dichlorobenzene 1,4	2021	0.075	0.075	<0.0005	Chlorine Residual, free			0.11	
1,2-Dichloroethane	2021	0	0.005	<0.0005	Chlorine Residual, total			2.3	
1,1-Dichloroethylene	2021	0.007	0.007	<0.0005	Hardness, calcium			98	
cis-1,2-Dichloroethylene	2021	0.07	0.07	<0.0005	Hardness, magnesium			16.4	
trans,1,2-Dichloroethylene	2021	0.1	0.1	<0.0005	Hardness, noncarbonate			100	
Dichloromethane	2020	0	0.005	<0.0005	Hardness, total			165	
1,2-Dichloropropane	2021	0	0.005	<0.0005	pH			8.8	
Ethylbenzene	2021	0.7	0.7	<0.0005	* Ohio EPA requires a minimum 0.2 free or 1.0 combined chlorine residual.				
Chlorobenzene	2021	0.1	0.1	<0.0005					
Styrene	2021	0.1	0.1	<0.0005					
Tetrachloroethylene	2021	0	0.005	<0.0005					
Toluene	2021	1	1	<0.0005					
1,2,4-Trichlorobenzene	2021	0.07	0.07	<0.0005					
1,1,1-Trichloroethane	2021	0.2	0.2	<0.0005					
1,1,2-Trichloroethane	2021	0.003	0.005	<0.0005					
Trichloroethylene	2021	0	0.005	<0.0005					
Vinyl Chloride	2021	0	0.002	<0.0005					
Xylenes (total)	2021	10	10	<0.0005					
Bromobenzene	2005	N/A	N/A	<0.0005					
Bromochloromethane	2008	N/A	N/A	<0.0005					
Bromomethane	2008	N/A	N/A	<0.0005					
n-Butylbenzene	2005	N/A	N/A	<0.0005					
sec-Butylbenzene	2005	N/A	N/A	<0.0005					
Chloroethane	2005	N/A	N/A	<0.0005					
Chloromethane	2005	N/A	N/A	<0.0005					
o-Chlorotoluene	2005	N/A	N/A	<0.0005					
p-Chlorotoluene	2005	N/A	N/A	<0.0005					
Dibromomethane	2008	N/A	N/A	<0.0005					
m-Dichlorobenzene	2008	N/A	N/A	<0.0005					
Dichlorodifluoromethane	2005	N/A	N/A	<0.0005					
1,1-Dichloroethane	2020	N/A	N/A	<0.0005					
1,3-Dichloropropane	2005	N/A	N/A	<0.0005					
2,2-Dichloropropane	2005	N/A	N/A	<0.0005					
1,1-Dichloropropene	2005	N/A	N/A	<0.0005					
1,3-Dichloropropene	2005	N/A	N/A	<0.0005					
Fluorotrichloromethane	2005	N/A	N/A	<0.0005					
Hexachlorobutadiene	2005	N/A	N/A	<0.0005					
Isopropylbenzene	2005	N/A	N/A	<0.0005					
p-Isopropyltoluene	2005	N/A	N/A	<0.0005					
Naphthalene	2005	N/A	N/A	<0.0005					
n-Propylbenzene	2005	N/A	N/A	<0.0005					
1,1,1,2-Tetrachloroethane	2005	N/A	N/A	<0.0005					
1,1,2,2-Tetrachloroethane	2005	N/A	N/A	<0.0005					
1,2,3-Trichlorobenzene	2005	N/A	N/A	<0.0005					
1,2,3-Trichloropropane	2005	N/A	N/A	<0.0005					
1,2,4-Trimethylbenzene	2005	N/A	N/A	<0.0005					
1,3,5-Trimethylbenzene	2005	N/A	N/A	<0.0005					
m,p-Xylene	2021	N/A	N/A	<0.0003					
o-Xylene	2021	N/A	N/A	<0.0002					
Methylene Chloride	2021	N/A	N/A	<0.0005					