

City of St. Marys Drinking Water Quality - 2023 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
Inorganic Contaminants (mg/L)					Synthetic Organic Contaminants (mg/L)				
Antimony	2023	0.006	0.006	<0.003	Alachlor	2021	0	0.002	<0.00012
Arsenic	2023	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	2023	2	2	<0.01	Aldicarb Sulfoxide (proposed)	1994	0.001	0.004	<0.005
Beryllium	2023	0	0.004	<0.0005	Aldrin	1994	N/A	N/A	<0.0001
Cadmium	2023	0.005	0.005	<0.0005	Atrazine	2021	0.003	0.003	<0.000083
Chromium	2023	0.1	0.1	<0.01	Benzo-a-pyrenes	1997	0	0.0002	<0.00002
Cyanide	2023	0.2	0.2	<0.005	Butachlor	1994	N/A	N/A	<0.01
Fluoride	2023	4.0	4.0	0.534	Carbaryl	1997	N/A	N/A	<0.01
Mercury	2023	0.002	0.002	<0.0002	Carbofuran	1997	0.04	0.04	<0.004
Nickel	2023	0.1	0.1	<0.01	Chlordane	1994	0	0.002	<0.0004
Nitrate as Nitrogen	2021	10.0	10.0	<0.10	2,4-D	1997	0.07	0.07	<0.007
Nitrate + Nitrite as Nitrogen	2023	10.0	10.0	<0.10	Dalapon	1994	0.2	0.2	<0.02
Nitrite as Nitrogen	2021	N/A	1.0	<0.10	Di(2-ethylhexyl)adipate	1997	0.4	0.4	<0.04
Selenium	2023	0.05	0.05	<0.003	Di(2-ethylhexyl)phthalate	1997	0	0.006	<0.0006
Thallium	2023	0.0005	0.002	<0.001	Dibromochloropropane(DBCP)	N/A	0	0.0002	Waivered
Copper (Action Level, not MCL)	2023	1.3	1.3	0.0603 (90 th)	Dicamba	1997	N/A	N/A	<0.01
Lead (Action Level, not MCL)	2023	0	0.015	0.0000 (90 th)	Dieldrin	1994	N/A	N/A	<0.0001
Disinfection Byproducts (mg/L)					Dinoseb	1994	0.007	0.007	<0.001
Disinfectants, Total Chlorine	2023	Yearly Average	4.0	2.1	Dioxin (2,3,7,8-TCDD)	N/A	0	3x10-8	Waivered
Haloacetic Acids (sum of HAA5 below)	2023	N/A	0.06	<0.006	Diquat	1997	0.02	0.02	<0.002
- Dibromoacetic Acid	2023	N/A	N/A	<0.001	Endothall	1997	0.1	0.1	<0.01
- Dichloroacetic Acid	2023	N/A	N/A	<0.001	Endrin	1994	0.002	0.002	<0.0002
- Monobromoacetic Acid	2023	N/A	N/A	<0.001	Ethylene Dibromide (EDB)	N/A	0	0.00005	Waivered
- Monochloroacetic Acid	2023	N/A	N/A	<0.002	Glyphosate	1997	0.7	0.7	<0.07
- Trichloroacetic Acid	2023	N/A	N/A	<0.001	Heptachlor	1994	0	0.0004	<0.0001
Trihalomethanes(sum of 4 THM below)	2023	N/A	0.08	<0.002	Heptachlor Epoxide	1994	0	0.0002	<0.00005
- Bromodichloromethane (1 of 4 THM)	2023	0	N/A	<0.0005	Hexachlorobenzene	1994	0	0.001	<0.00025
- Bromoform (1 of 4 THM)	2023	0	N/A	<0.0005	Hexachlorocyclopentadiene	1994	0.05	0.05	<0.005
- Chloroform (1 of 4 THM)	2023	0	N/A	<0.0005	3-Hydroxycarbofuran	1997	N/A	N/A	<0.01
- Dibromochloromethane (1 of 4 THM)	2023	0.06	N/A	<0.0005	Lasso	2020	N/A	N/A	<0.00011
Volatile Organic Contaminants (mg/L)					Lindane	1997	0.0002	0.0002	<0.00002
Benzene	2023	0	0.005	<0.0005	Methomyl	1997	N/A	N/A	<0.05
Carbon Tetrachloride	2023	0	0.005	<0.0005	Methoxychlor	1997	0.04	0.04	<0.004
o-Dichlorobenzene 1,2	2023	0.6	0.6	<0.0005	Metolachlor	1999	N/A	N/A	<0.005
p-Dichlorobenzene 1,4	2023	0.075	0.075	<0.0005	Metribuzin	1999	N/A	N/A	<0.002
1,2-Dichloroethane	2023	0	0.005	<0.0005	Oxamyl (Vydate)	1997	0.2	0.2	<0.02
1,1-Dichloroethylene	2023	0.007	0.007	<0.0005	Pentachlorophenol	1997	0	0.001	<0.0001
cis-1,2-Dichloroethylene	2023	0.07	0.07	<0.0005	Picloram	1997	0.5	0.5	<0.05
trans,1,2-Dichloroethylene	2023	0.1	0.1	<0.0005	Polychlorinated Biphenols (PCBs)	1997	0	0.0005	<0.0001
Dichloromethane	2020	0	0.005	<0.0005	Propachlor	1997	N/A	N/A	<0.00005
1,2-Dichloropropane	2023	0	0.005	<0.0005	Simazine	2021	0.004	0.004	<0.000060
Ethylbenzene	2023	0.7	0.7	<0.0005	Toxaphene	1994	0	0.003	<0.001
Chlorobenzene	2023	0.1	0.1	<0.0005	2,4,5-TP Silvex	1994	0.05	0.05	<0.005
Styrene	2023	0.1	0.1	<0.0005	Radiologicals (pCi/L)				
Tetrachloroethylene	2023	0	0.005	<0.0005	Gross Alpha	2023	0	15	<3.00
Toluene	2023	1	1	<0.0005	Radium –225	2003	N/A	N/A	<1.00
1,2,4-Trichlorobenzene	2023	0.07	0.07	<0.0005	Radium – 228	2023	0	5	1.155
1,1,1-Trichloroethane	2023	0.2	0.2	<0.0005	Microbiologicals (Presence/Absence)				
1,1,2-Trichloroethane	2023	0.003	0.005	<0.0005	Total Coliform Bacteria	3/Week	0	Absent	Absent
Trichloroethylene	2023	0	0.005	<0.0005	Secondary, Aesthetic Standards (mg/l)				
Vinyl Chloride	2023	0	0.002	<0.0005	Parameter	Year	SMCL	St. Marys	
Xylenes (total)	2023	10	10	<0.0005	Aluminum	1996	0.05 - 0.2	<0.06	
Bromobenzene	2005	N/A	N/A	<0.0005	Chloride	1996	250	22.0	
Bromochloromethane	2008	N/A	N/A	<0.0005	Color (color units)	1996	15	0	
Bromomethane	2008	N/A	N/A	<0.0005	Corrosivity	2023	Non-Corrosive	Non-Corrosive	
n-Butylbenzene	2005	N/A	N/A	<0.0005	Fluoride	2023	2.0	0.534	
sec-Butylbenzene	2005	N/A	N/A	<0.0005	Foaming Agents	1996	0.5	0.10	
Chloroethane	2005	N/A	N/A	<0.0005	Iron	1996	0.3	<0.02	
Chloromethane	2005	N/A	N/A	<0.0005	Manganese	1996	0.05	<0.01	
o-Chlorotoluene	2005	N/A	N/A	<0.0005	Odor (threshold odor number)	1996	3 TON	7	
p-Chlorotoluene	2005	N/A	N/A	<0.0005	pH (standard pH units)	2023	6.5 - 8.5	8.7 (2023 Avg.)	
Dibromomethane	2008	N/A	N/A	<0.0005	Silica	1996	N/A	3.70	
m-Dichlorobenzene	2008	N/A	N/A	<0.0005	Silver	1996	0.1	<0.0002	
Dichlorodifluoromethane	2005	N/A	N/A	<0.0005	Sodium	1996	N/A	69.4	
1,1-Dichloroethane	2022	N/A	N/A	<0.0005	Sulfate	1995	250	190	
1,3-Dichloropropane	2005	N/A	N/A	<0.0005	Total Dissolved Solids (TDS)	2020	500	285	
2,2-Dichloropropane	2005	N/A	N/A	<0.0005	Zinc	1996	5	<0.03	
1,1-Dichloropropene	2005	N/A	N/A	<0.0005	Additional Parameters Analyzed - 2023 Avg. (mg/L)				
1,3-Dichloropropene	2005	N/A	N/A	<0.0005	Alkalinity, phenol			5	
Fluorotrichloromethane	2005	N/A	N/A	<0.0005	Alkalinity, total			78	
Hexachlorobutadiene	2005	N/A	N/A	<0.0005	Chlorine Residual, combined *			2.0	
Isopropylbenzene	2005	N/A	N/A	<0.0005	Chlorine Residual, free *			0.09	
p-Isopropyltoluene	2005	N/A	N/A	<0.0005	Chlorine Residual, total			2.1	
Naphthalene	2005	N/A	N/A	<0.0005	Hardness, calcium			101	
n-Propylbenzene	2005	N/A	N/A	<0.0005	Hardness, magnesium			18.7	
1,1,1,2-Tetrachloroethane	2005	N/A	N/A	<0.0005	Hardness, noncarbonate			101	
1,1,2,2-Tetrachloroethane	2005	N/A	N/A	<0.0005	Hardness, total			179	
1,2,3-Trichlorobenzene	2005	N/A	N/A	<0.0005	pH			8.7	
1,2,3-Trichloropropane	2005	N/A	N/A	<0.0005	Ohio EPA requires a minimum 0.2 free or 1.0 combined chlorine residual.				
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	2023	N/A	N/A	<0.0003					
o-Xylene	2023	N/A	N/A	<0.0002					
Methylene Chloride	2023	N/A	N/A	<0.0005					