



# City of St. Marys Drinking Water Quality - 2004 Complete Contaminant Monitoring List

Drinking water quality is regulated by the Safe Drinking Water Act and the Environmental Protection Agency (EPA). In Ohio, drinking 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					Primary, Health-Related Standards				
Parameter	Year	MCLG	MCL	St. Marys	Parameter	Year	MCLG	MCL	St. Marys
<b>Inorganic Contaminants (mg/L)</b>					<b>Synthetic Organic Contaminants (mg/L)</b>				
Antimony	2002	0.006	0.006	<0.003	Alachlor	2002	0	0.002	<0.0002
Arsenic	2002	N/A	0.05	<0.003	Aldicarb (proposed)	1994	0.001	0.003	<0.005
Asbestos (mf/l > 10 um)	1993	7	7	<0.2	Aldicarb Sulfone (proposed)	1994	0.001	0.002	<0.005
Barium	2002	2	2	<0.01	Aldicarb Sulfoxide (proposed)	1994	0.001	0.004	<0.005
Beryllium	2002	0	0.004	<0.0005	Aldrin	1994	N/A	N/A	<0.0001
Cadmium	2002	0.005	0.005	<0.0005	Atrazine	2002	0.003	0.003	<0.0003
Chromium	2002	0.1	0.1	<0.01	Benzo-a-pyrenes	1997	0	0.0002	<0.00002
Cyanide	2002	0.2	0.2	<0.005	Butachlor	1994	N/A	N/A	<0.01
Fluoride	2002	4.0	4.0	0.37	Carbaryl	1997	N/A	N/A	<0.01
Mercury	2002	0.002	0.002	<0.0002	Carbofuran	1997	0.04	0.04	<0.004
Nickel	2002	0.1	0.1	<0.01	Chlordane	1994	0	0.002	<0.0004
Nitrate as Nitrogen	2004	10.0	10.0	<0.10	2,4-D	1997	0.07	0.07	<0.007
Nitrate + Nitrite as Nitrogen	2004	10.0	10.0	<0.10	Dalapon	1994	0.2	0.2	<0.02
Nitrite as Nitrogen	2004	N/A	1.0	<0.05	Di(2-ethylhexyl)adipate	1997	0.4	0.4	<0.04
Selenium	2002	0.05	0.05	<0.003	Di(2-ethylhexyl)phthalate	1997	0	0.006	<0.0006
Thallium	2002	0.0005	0.002	<0.001	Dibromochloropropane(DBCP)	N/A	0	0.0002	Waivered
Copper (Action Level, not MCL)	2002	1.3	1.3	0.021	Dicamba	1997	N/A	N/A	<0.01
Lead (Action Level, not MCL)	2002	0	0.015	0.002	Dieldrin	1994	N/A	N/A	<0.0001
<b>Disinfection Byproducts (mg/L)</b>					<b>Radiologicals (pCi/L)</b>				
Disinfectants, Total Chlorine	2004	Yearly Average	4.0	2.1	Gross Alpha	2002	0	15	<3.0
Haloacetic Acids (HAA5)	2004	N/A	0.06	<0.001	Radium -225	2003	N/A	N/A	<1
- Dibromoacetic Acid	2004	N/A	N/A	<0.001	<b>Microbiologicals (Presence/Absence)</b>				
- Dichloroacetic Acid	2004	N/A	N/A	<0.001	Total Coliform Bacteria	3/Week	0	Absent	Absent
- Monobromoacetic Acid	2004	N/A	N/A	<0.001	<b>Secondary, Aesthetic Standards (mg/l)</b>				
- Monochloroacetic Acid	2004	N/A	N/A	<0.001	Aluminum	1996	0.05 - 0.2	<0.06	
- Trichloroacetic Acid	2004	N/A	N/A	<0.001	Chloride	1996	250	22.0	
Trihalomethanes(sum of 4 THM below)	2004	N/A	0.08	0.0005	Color (color units)	1996	15	0	
- Bromodichloromethane (1 of 4 THM)	2004	0	N/A	0.0005	Corrosivity	1999	Non-Corrosive	Non-Corrosive	
- Bromoform (1 of 4 THM)	2004	0	N/A	0.0005	Fluoride	2002	2.0	0.37	
- Chloroform (1 of 4 THM)	2004	0	N/A	0.0005	Foaming Agents	1996	0.5	0.10	
- Dibromochloromethane (1 of 4 THM)	2004	0.06	N/A	0.0005	Iron	1996	0.3	<0.02	
<b>Volatile Organic Contaminants (mg/L)</b>					<b>Additional Parameters Analyzed - 2004 Ave (mg/L)</b>				
Benzene	2002	0	0.005	<0.0005	Alkalinity, phenol			5	
Carbon Tetrachloride	2002	0	0.005	<0.0005	Alkalinity, total			48	
o-Dichlorobenzene	2002	0.6	0.6	<0.0005	Chlorine Residual, combined *			2.0	
p-Dichlorobenzene	2002	0.075	0.075	<0.0005	Chlorine Residual, free			0.09	
1,2-Dichloroethane	2002	0	0.005	<0.0005	Chlorine Residual, total			2.1	
1,1-Dichloroethylene	2002	0.007	0.007	<0.0005	Hardness, calcium			104	
cis-1,2-Dichloroethylene	2002	0.07	0.07	<0.0005	Hardness, magnesium			12	
trans-1,2-Dichloroethylene	2002	0.1	0.1	<0.0005	Hardness, noncarbonate			105	
Dichloromethane	2002	0	0.005	<0.0005	Hardness, total			153	
1,2-Dichloropropane	2002	0	0.005	<0.0005	* Ohio EPA requires a minimum 0.2 free or 1.0 combined chlorine residual.				
Ethylbenzene	2002	0.7	0.7	<0.0005					
Monochlorobenzene	2002	0.1	0.1	<0.0005					
Styrene	2002	0.1	0.1	<0.0005					
Tetrachloroethylene	2002	0	0.005	<0.0005					
Toluene	2002	1	1	<0.0005					
1,2,4-Trichlorobenzene	2002	0.07	0.07	<0.0005					
1,1,1-Trichloroethane	2002	0.2	0.2	<0.0005					
1,1,2-Trichloroethane	2002	0.003	0.005	<0.0005					
Trichloroethylene	2002	0	0.005	<0.0005					
Vinyl Chloride	2002	0	0.002	<0.0005					
Xylenes (total)	2002	10	10	<0.0005					
Bromobenzene	2002	N/A	N/A	<0.0005					
Bromochloromethane	2002	N/A	N/A	<0.0005					
Bromomethane	2002	N/A	N/A	<0.0005					
n-Butylbenzene	2002	N/A	N/A	<0.0005					
sec-Butylbenzene	2002	N/A	N/A	<0.0005					
Chloroethane	2002	N/A	N/A	<0.0005					
Chloromethane	2002	N/A	N/A	<0.0005					
o-Chlorotoluene	2002	N/A	N/A	<0.0005					
p-Chlorotoluene	2002	N/A	N/A	<0.0005					
Dibromomethane	2002	N/A	N/A	<0.0005					
m-Dichlorobenzene	2002	N/A	N/A	<0.0005					
Dichlorodifluoromethane	2002	N/A	N/A	<0.0005					
1,1-Dichloroethane	2002	N/A	N/A	<0.0005					
1,3-Dichloropropane	2002	N/A	N/A	<0.0005					
2,2-Dichloropropane	2002	N/A	N/A	<0.0005					
1,1-Dichloropropene	2002	N/A	N/A	<0.0005					
1,3-Dichloropropene	2002	N/A	N/A	<0.0005					
Fluorotrichloromethane	2002	N/A	N/A	<0.0005					
Hexachlorobutadiene	2002	N/A	N/A	<0.0005					
Isopropylbenzene	2002	N/A	N/A	<0.0005					
p-Isopropyltoluene	2002	N/A	N/A	<0.0005					
Naphthalene	2002	N/A	N/A	<0.0005					
n-Propylbenzene	2002	N/A	N/A	<0.0005					
1,1,1,2-Tetrachloroethane	2002	N/A	N/A	<0.0005					
1,1,1,2,2-Tetrachloroethane	2002	N/A	N/A	<0.0005					
1,2,3-Trichlorobenzene	2002	N/A	N/A	<0.0005					
1,2,3-Trichloropropane	2002	N/A	N/A	<0.0005					
1,2,4-Trimethylbenzene	2002	N/A	N/A	<0.0005					
1,3,5-Trimethylbenzene	2002	N/A	N/A	<0.0005					
m-Xylene	1999	N/A	N/A	<0.0005					
o-Xylene	1999	N/A	N/A	<0.0005					
p-Xylene	1999	N/A	N/A	<0.0005					