



# City of St. Marys Drinking Water Quality - 2009 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>					p-Xylene	2008	N/A	N/A	<0.0005
Antimony	2008	0.006	0.006	<0.003	<b>Synthetic Organic Contaminants (mg/L)</b>				
Arsenic	2008	N/A	0.05	<0.003	Alachlor	2008	0	0.002	<0.0002
Asbestos (mf/l > 10 um)	1993	7	7	<0.2	Aldicarb (proposed)	1994	0.001	0.003	<0.005
Barium	2008	2	2	<0.01	Aldicarb Sulfone (proposed)	1994	0.001	0.002	<0.005
Beryllium	2008	0	0.004	<0.0005	Aldicarb Sulfoxide (proposed)	1994	0.001	0.004	<0.005
Cadmium	2008	0.005	0.005	<0.0005	Aldrin	1994	N/A	N/A	<0.0001
Chromium	2008	0.1	0.1	<0.01	Atrazine	2008	0.003	0.003	<0.0003
Cyanide	2008	0.2	0.2	<0.005	Benzo-a-pyrenes	1997	0	0.0002	<0.00002
Fluoride	2008	4.0	4.0	0.36	Butachlor	1994	N/A	N/A	<0.01
Mercury	2008	0.002	0.002	<0.0002	Carbaryl	1997	N/A	N/A	<0.01
Nickel	2008	0.1	0.1	<0.01	Carbofuran	1997	0.04	0.04	<0.004
Nitrate as Nitrogen	2009	10.0	10.0	<0.10	Chlordane	1994	0	0.002	<0.0004
Nitrate + Nitrite as Nitrogen	2009	10.0	10.0	<0.10	2,4-D	1997	0.07	0.07	<0.007
Nitrite as Nitrogen	2009	N/A	1.0	<0.05	Dalapon	1994	0.2	0.2	<0.02
Selenium	2008	0.05	0.05	0.0030	Di(2-ethylhexyl)adipate	1997	0.4	0.4	<0.04
Thallium	2008	0.0005	0.002	<0.001	Di(2-ethylhexyl)phthalate	1997	0	0.006	<0.0006
Copper (Action Level, not MCL)	2008	1.3	1.3	0.019	Dibromochloropropane(DBCP)	N/A	0	0.0002	Waivered
Lead (Action Level, not MCL)	2008	0	0.015	<0.002	Dicamba	1997	N/A	N/A	<0.01
<b>Disinfection Byproducts (mg/L)</b>					Dieldrin	1994	N/A	N/A	<0.0001
Disinfectants, Total Chlorine	2009	Yearly Average	4.0	2.0	Dinoseb	1994	0.007	0.007	<0.001
Haloacetic Acids (sum of HAA5 below)	2008	N/A	0.06	<0.006	Dioxin (2,3,7,8-TCDD)	N/A	0	3x10-8	Waivered
- Dibromoacetic Acid	2008	N/A	N/A	<0.001	Diquat	1997	0.02	0.02	<0.002
- Dichloroacetic Acid	2008	N/A	N/A	<0.001	Endothall	1997	0.1	0.1	<0.01
- Monobromoacetic Acid	2008	N/A	N/A	<0.001	Endrin	1994	0.002	0.002	<0.0002
- Monochloroacetic Acid	2008	N/A	N/A	<0.002	Ethylene Dibromide (EDB)	N/A	0	0.00005	Waivered
- Trichloroacetic Acid	2008	N/A	N/A	<0.001	Glyphosate	1997	0.7	0.7	<0.07
Trihalomethanes(sum of 4 THM below)	2008	N/A	0.08	<0.002	Heptachlor	1994	0	0.0004	<0.0001
- Bromodichloromethane (1 of 4 THM)	2008	0	N/A	<0.0005	Heptachlor Epoxide	1994	0	0.0002	<0.00005
- Bromoform (1 of 4 THM)	2008	0	N/A	<0.0005	Hexachlorobenzene	1994	0	0.001	<0.00025
- Chloroform (1 of 4 THM)	2008	0	N/A	<0.0005	Hexachlorocyclopentadiene	1994	0.05	0.05	<0.005
- Dibromochloromethane (1 of 4 THM)	2008	0.06	N/A	<0.0005	3-Hydroxycarbofuran	1997	N/A	N/A	<0.01
<b>Volatile Organic Contaminants (mg/L)</b>					Lindane	1997	0.0002	0.0002	<0.00002
Benzene	2008	0	0.005	<0.0005	Methomyl	1997	N/A	N/A	<0.05
Carbon Tetrachloride	2008	0	0.005	<0.0005	Methoxychlor	1997	0.04	0.04	<0.004
o-Dichlorobenzene	2008	0.6	0.6	<0.0005	Metolachlor	1999	N/A	N/A	<0.005
p-Dichlorobenzene	2008	0.075	0.075	<0.0005	Metribuzin	1999	N/A	N/A	<0.002
1,2-Dichloroethane	2008	0	0.005	<0.0005	Oxamyl (Vydate)	1997	0.2	0.2	<0.02
1,1-Dichloroethylene	2008	0.007	0.007	<0.0005	Pentachlorophenol	1997	0	0.001	<0.0001
cis-1,2-Dichloroethylene	2008	0.07	0.07	<0.0005	Picloram	1997	0.5	0.5	<0.05
trans-1,2-Dichloroethylene	2008	0.1	0.1	<0.0005	Polychlorinated Biphenols (PCBs)	1997	0	0.0005	<0.0001
Dichloromethane	2008	0	0.005	<0.0005	Propachlor	1997	N/A	N/A	<0.00005
1,2-Dichloropropane	2008	0	0.005	<0.0005	Simazine	2008	0.004	0.004	<0.0004
Ethylbenzene	2008	0.7	0.7	<0.0005	Toxaphene	1994	0	0.003	<0.001
Monochlorobenzene	2008	0.1	0.1	<0.0005	2,4,5-TP Silvex	1994	0.05	0.05	<0.005
Styrene	2008	0.1	0.1	<0.0005	<b>Radiologicals (pCi/L)</b>				
Tetrachloroethylene	2008	0	0.005	<0.0005	Gross Alpha	2008	0	15	<3.0
Toluene	2008	1	1	<0.0005	Radium -225	2003	N/A	N/A	<1
1,2,4-Trichlorobenzene	2008	0.07	0.07	<0.0005	Radium - 228	2008	0	5	2
1,1,1-Trichloroethane	2008	0.2	0.2	<0.0005	<b>Microbiologicals (Presence/Absence)</b>				
1,1,2-Trichloroethane	2008	0.003	0.005	<0.0005	<b>Secondary, Aesthetic Standards (mg/l)</b>				
Trichloroethylene	2008	0	0.005	<0.0005	Parameter	Year	SMCL	St. Marys	
Vinyl Chloride	2008	0	0.002	<0.0005	Aluminum	1996	0.05 - 0.2	<0.06	
Xylenes (total)	2008	10	10	<0.0005	Chloride	1996	250	22.0	
Bromobenzene	2005	N/A	N/A	<0.0005	Color (color units)	1996	15	0	
Bromochloromethane	2008	N/A	N/A	<0.0005	Corrosivity	1999	Non-Corrosive	Non-Corrosive	
Bromomethane	2008	N/A	N/A	<0.0005	Fluoride	2008	2.0	0.36	
n-Butylbenzene	2005	N/A	N/A	<0.0005	Foaming Agents	1996	0.5	0.10	
sec-Butylbenzene	2005	N/A	N/A	<0.0005	Iron	1996	0.3	<0.02	
Chloroethane	2005	N/A	N/A	<0.0005	Manganese	1996	0.05	<0.01	
Chloromethane	2005	N/A	N/A	<0.0005	Odor (threshold odor number)	1996	3	7	
o-Chlorotoluene	2005	N/A	N/A	<0.0005	pH (standard pH units)	2009	7.0 - 10.5	8.8 (2009 Ave)	
p-Chlorotoluene	2005	N/A	N/A	<0.0005	Silica	1996	N/A	3.70	
Dibromomethane	2008	N/A	N/A	<0.0005	Silver	1996	0.1	<0.0002	
m-Dichlorobenzene	2008	N/A	N/A	<0.0005	Sodium	1996	N/A	69.4	
Dichlorodifluoromethane	2005	N/A	N/A	<0.0005	Sulfate	1995	250	190	
1,1-Dichloroethane	2005	N/A	N/A	<0.0005	Total Dissolved Solids (TDS)	1996	500	371	
1,3-Dichloropropane	2005	N/A	N/A	<0.0005	Zinc	1996	5	<0.03	
2,2-Dichloropropane	2005	N/A	N/A	<0.0005	<b>Additional Parameters Analyzed - 2009 Ave (mg/L)</b>				
1,1-Dichloropropene	2005	N/A	N/A	<0.0005	Alkalinity, phenol			4	
1,3-Dichloropropene	2005	N/A	N/A	<0.0005	Alkalinity, total			49	
Fluorotrichloromethane	2005	N/A	N/A	<0.0005	Chlorine Residual, combined *			2.1	
Hexachlorobutadiene	2005	N/A	N/A	<0.0005	Chlorine Residual, free			0.11	
Isopropylbenzene	2005	N/A	N/A	<0.0005	Chlorine Residual, total			2.2	
p-Isopropyltoluene	2005	N/A	N/A	<0.0005	Hardness, calcium			108	
Naphthalene	2005	N/A	N/A	<0.0005	Hardness, magnesium			11	
n-Propylbenzene	2005	N/A	N/A	<0.0005	Hardness, noncarbonate			106	
1,1,1,2-Tetrachloroethane	2005	N/A	N/A	<0.0005	Hardness, total			155	
1,1,2,2-Tetrachloroethane	2005	N/A	N/A	<0.0005	* Ohio EPA requires a minimum 0.2 free or 1.0 combined chlorine residual.				
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-Xylene	2008	N/A	N/A	<0.0005					
o-Xylene	2008	N/A	N/A	<0.0005					