

MCWA Water Quality Summary Table

2025 Calendar Year Results -

Detected Substances:	Supply Source -			MCWA Production Water:		MCWA Purchased Water:		Likely Sources in Drinking Water:	Water Quality Violation:
	Source - (Source Type)			SWTP & WWTP -	CWTP -	Rochester -	ECWA -		
	Units:	MCLG:	Regulatory Limit:	Lake Ontario (Surface Water)	Well Field (Groundwater)	Hemlock Lake (Surface Water)	Lake Erie (Surface Water)		
	Range of detected values:								
Barium	mg/L	2	2	0.02 - 0.024	0.1 - 0.13	0.016	0.021	Erosion of natural deposits	No
Chloride	mg/L	NA	250	25 - 29	61 - 100	39 - 41	21 - 23	Naturally occurring	No
Color	Color Units	NA	15	ND	ND - 3	ND - 5	ND	Naturally occurring	No
Fluoride	mg/L	NA	2.2	0.2 - 1.12	0.13 - 0.41	0.56 - 0.78	0.1 - 0.72	Naturally occurring & additive for dental health	No
Iron	µg/L	NA	300	ND	ND - 20	0.56 - 0.78	0.1 - 0.72	Naturally occurring	No
Manganese	µg/L	NA	300	ND	6.6 - 9.5	ND	ND	Naturally occurring	No
Nickel	µg/L	NA	NS	ND - 2.4	ND - 2	ND	ND	Naturally present in the environment	No
Nitrate	mg/L	10	10	0.18 - 0.29	ND	0.15	0.14	Erosion of natural deposits	No
Perfluorooctanesulfonic acid (PFOS)	ng/L	NS	10	ND - 2.3	ND	ND	ND	Environmental releases from textile sources	No
Perfluorobutanoic acid (PFBA)	ng/L	NS	10	ND - 2	ND	ND - 2.7	ND - 2.8	Environmental releases from textile sources	No
Sodium	mg/L	NA	NS	15 - 17	46 - 110 *	21 - 22 *	12 - 13	Naturally occurring	No
Sulfate	mg/L	NA	250	24 - 26	44 - 49	11 - 12	20	Naturally occurring	No

Turbidity - Turbidity is a measure of cloudiness or clarity of the water. Turbidity has no health effects. MCWA monitors turbidity because it is a good indicator of the effectiveness of our filtration systems and water quality. State regulations require that turbidity must always be below 1 NTU in the combined filter effluent. The regulations also require that 95% of samples collected from the entry point have measurements below 0.3 NTU and the highest monthly average for distribution system samples be below 5 NTU. Averages, annual ranges and lowest monthly percentages are listed.

Turbidity - Entry Point	NTU	NA	TT	0.05 (0.02 - 0.12) 100% < 0.3 NTU	NR	0.06 (0.0 - 0.16) 100% < 0.3 NTU	0.07 (0.03 - 0.17) 100% < 0.3 NTU	Soil Runoff	No
Turbidity - Distribution	NTU	NA	5	2.12 - 10/24/2025	1.4 - 11/18/2025	2.12 - 10/24/2025	1.4 - 11/18/2025	Soil Runoff	No

Microbial Parameters - For total coliform bacteria, a Treatment Technique violation occurs when more than 5% of monthly samples are positive. The highest monthly % positive and number of positive samples is listed. For E. coli bacteria, a MCL violation occurs when a total coliform positive sample is positive for E. coli and a repeat total coliform sample is positive or when a total coliform positive sample is negative for E. coli but a repeat total coliform sample is positive and the sample is also positive for E. coli. The number of positive E. coli samples is listed.

Total Coliform Bacteria	NA	0	TT	0.3% - September 1 sample	0% None Detected.	0.3% - September 1 sample	0% None Detected.	Naturally present in the environment	No
Escherichia coli (E. coli) Bacteria	NA	0	1	1 sample - 3/17/25	ND	1 sample - 3/17/25	ND	Human and animal fecal waste	No

Disinfectant and Disinfectant By-products (DBPs) - Chlorine has a MRDL (Maximum Residual Disinfectant Level) and MRDLG (MRDL Goal) rather than a MCL and MCLG (Averages and ranges are listed). For the DBPs (Total Trihalomethanes and Haloacetic Acids) the annual system averages, ranges for all locations, and highest locational running annual averages for all locations are listed.

Chlorine Residual - Entry Point	mg/L	NA	MRDL = 4	1.18 (0.7 - 1.65) 0.87 (0.55 - 1.38)	1.1 (0.66 - 1.49)	1 (0.82 - 1.43)	1.62 (0.82 - 1.8)	Additive for control of microbes	No
Chlorine Residual - Distribution	mg/L	NA	MRDL = 4	0.64 (ND - 2.16)	0.69 (ND - 1.49)	0.64 (ND - 2.16)	0.69 (ND - 1.49)	Additive for control of microbes	No
Total Trihalomethanes (TTHMs)	µg/L	NA	80	37 (15 - 78) Max. LRAA = 59.3	48 (19 - 72) Max. LRAA = 62	37 (15 - 78) Max. LRAA = 59.3	48 (19 - 72) Max. LRAA = 62	Byproduct of water chlorination	No
Haloacetic Acids (HAAs)	µg/L	NA	60	12 (ND - 30) Max. LRAA = 18.8	10.3 (ND - 24) Max. LRAA = 10.8	12 (ND - 30) Max. LRAA = 18.8	10.3 (ND - 24) Max. LRAA = 10.8	Byproduct of water chlorination	No

Lead and Copper - 90% of samples must be less than the Action Level (AL). The 90th Percentile, the number of samples exceeding the AL, and the range of results are listed. (2025 biannual monitoring period)

Copper - Customer Tap Samples	mg/L	1.3	AL = 1.3	0.2 (None) 0.0038 - 0.54	0.081 (None) ND - 0.13	0.2 (None) 0.0038 - 0.54	0.081 (None) ND - 0.13	Corrosion of household plumbing	No
Lead - Customer Tap Samples	µg/L	0	AL = 15	4 (None) ND - 14	0.54 (None) ND - 0.75	4 (None) ND - 14	0.54 (None) ND - 0.75	Corrosion of household plumbing	No

* There is no MCL set for sodium in water. However, EPA recommends that water containing more than 20 mg/L of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately restricted sodium diets.

Unregulated Contaminant Monitoring (UCMR5) - The EPA issues lists of 30 unregulated contaminants or less to be monitored by public water systems. This provides baseline occurrence data that the EPA combines with toxicological research to make decisions about future drinking water regulations. UCMR5 was published in 2021 and requires public water systems to participate in monitoring between 2023 - 2025 using analytical methods developed by the EPA and consensus organizations. MCWA performed UCMR5 monitoring in 2023 and 2024 with detected substances listed below. The full list of UCMR5 substances may be found in the AWQR supplement.

Metals:	Entry Points:		Lake Ontario Supplies -		Purchased Water Supplies -		Groundwater Supply -	Water Quality Violation: Yes or No
	Units	Regulatory Limit	SWTP	WWTP	Rochester	ECWA	CWTP	
Lithium	µg/L	NA	ND	ND	ND	NR	ND - 12.1	NA

For more information on the MCWA's water quality monitoring program call Customer Service at 585-442-7200 or visit our website at: www.mcwa.com.

Key Terms and Abbreviations Used:

MCL = Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as possible.

MCLG = Maximum Contaminant Level Goal - The level of a contaminant below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL = Maximum Residual Disinfectant Level - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG = Maximum Residual Disinfectant Level Goal - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

LRAA = Locational Running Annual Average - The annual average contaminant concentration at a monitoring site.

pCi/L = PicoCuries per Liter.

TT = Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

AL = Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ND = Not Detected - Absent or present at less than testing method detection level. All testing methods are EPA approved with detection limits much less than the MCL.

NA = Not applicable. **NR** = Not required / Not reported. **NS** = No standard.

mg/L = Milligram (1/1,000 of a gram) per Liter = ppm = parts per million.

µg/L = Microgram (1/1,000,000 of a gram) per Liter = ppb = parts per billion.

ng/L = Nanogram (1/1,000,000,000 of a gram) per Liter = ppt = parts per trillion.

NTU = Nephelometric Turbidity Unit - A measurement of water clarity.

CWTP = Corfu Water Treatment Plant. **SWTP** = Shoremont Water Treatment Plant. **WWTP** = Webster Water Treatment Plant.

MCWA = Monroe County Water Authority. **Rochester** = City of Rochester. **ECWA** = Erie County Water Authority.

Compounds Tested For But Not Detected:

Benzene	1,1,2-Trichloroethane	Dieldrin	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)
Bromobenzene	Trichloroethene	Dinoseb	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)
Bromochloromethane	Trichlorofluoromethane	1, 4-Dioxane	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)
Bromomethane	1,2,3-Trichloropropane	Diquat	4,8-dioxa-3H-perfluorononanoic acid (ADONA)
n-Butylbenzene	1,2,4-Trimethylbenzene	Endothall	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
sec-Butylbenzene	1,3,5-Trimethylbenzene	Glyphosate	Hexafluoropropylene oxide dimer acid (HFPO-DA)(GenX)
tert-Butylbenzene	Vinyl Chloride	Hexachlorobenzene	N-ethyl Perfluorooctanesulfonamidoacetic acid (NETFOSAA)
Carbon Tetrachloride	o-Xylene	Hexachlorocyclopentadiene	N-methyl Perfluorooctanesulfonamidoacetic acid (NMeFOSAA)
Chlorobenzene	m, p-Xylene	3-Hydroxycarbofuran	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Chloroethane	Total Xylene	3,5-Dichlorobenzoic Acid	Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)
Chloromethane	Acifluorfen	Methomyl	Perfluoro-3-methoxypropanoic acid (PFMPA)
2-Chlorotoluene	Alachlor	Metolachlor	Perfluoro-4-methoxybutanoic acid (PFMBA)
4-Chlorotoluene	Aldicarb	Metribuzin	Perfluorobutanesulfonic acid (PFBS)
Dibromomethane	Aldicarb sulfoxide	Oxamyl (vydate)	Perfluorooctanoic Acid (PFOA)
1,2-Dichlorobenzene	Aldicarb sulfone	Paraquat	Perfluorodecanoic acid (PFDA)
1,3-Dichlorobenzene	Atrazine	Perchlorate	Perfluorododecanoic acid (PHDoA)
1,4-Dichlorobenzene	Baygon	Picloram	Perfluoroheptanesulfonic acid (PFHpS)
Dichlorodifluoromethane	Bentazon	Propachlor	Perfluoroheptanoic acid (PFHpA)
1,1 Dichloroethane	Carbofuran	Simazine	Perfluorohexanesulfonic acid (PFHxS)
1,2-Dichloroethane	Chlordane	2, 3, 7, 8-TCDD (Dioxin)	Perfluorohexanoic acid (PFHxA)
1,1-Dichloroethene	Dibromochloropropane	Antimony	Perfluorononanoic acid (PFNA)
cis-1,2-Dichloroethene	2, 4-D	Asbestos	Perfluoropentanesulfonic acid (PFPeS)
trans-1,2-Dichloroethene	Endrin	Beryllium	Perfluoropentanoic acid (PFPeA)
1,2-Dichloropropane	Ethylene Dibromide	Chromium	Perfluorotetradecanoic acid (PFTA)
1,3-Dichloropropane	Heptachlor	Cyanide	Perfluorotridecanoic acid (PFTA)
2,2-Dichloropropane	Heptachlor Epoxide	Mercury	Perfluoroundecanoic acid
1,1-Dichloropropene	Lindane (gamma-BHC)	Nitrite	
1,3-Dichloropropene(cis)	Methoxychlor	Selenium	
1,3-Dichloropropene(trans)	p,p' DDD	Silver	
Ethylbenzene	p,p' DDE	Thallium	
Hexachlorobutadiene	p,p' DDT	Zinc	
p-Isopropyltoluene	PCB's Total	Surfactants (Foaming Agents)	
Methyl Tert-butyl ether (MTBE)	Pentachlorophenol	Cryptosporidium	
Methylene Chloride (Dichloromethane)	Toxaphene	Giardia Lamblia	
n-Propylbenzene	2, 4, 5-TP (Silvex)	Monobromoacetic acid	
Styrene	Aldrin	Monochloroacetic acid	
1,1,1,2-Tetrachloroethane	Benzo(a)pyrene	Tribromoacetic acid	
1,1,2,2-Tetrachloroethane	Butachlor	Gross Alpha Particles	
Tetrachloroethene	Carbaryl	Radium 226	
Toluene	Dalapon	Radium 228	
1,2,3-Trichlorobenzene	Di(2-Ethylhexyl) Adipate	Combined Radium 226/228	
1,2,4-Trichlorobenzene	Di(2-Ethylhexyl) phthalate (DEHP)	Uranium	
1,1,1-Trichloroethane	Dicamba	11-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	

SCAN CODE FOR AWQR REPORT:

