

**Average Chemical Values for the Cleveland Division of Water  
2019 Finished Water Summary**

Results and Maximum Contaminant Levels (MCLs) in milligrams per Liter (mg/L) except as noted.

Contaminant	MCL	Cleveland Water	Contaminant	MCL	Cleveland Water
<b>Volatile Organics</b>			<b>Synthetic Organics</b>		
Benzene	0.005	ND	Alachlor	0.002	ND
Bromobenzene	NR	ND	Atrazine	0.003	ND
Bromochloromethane	NR	ND	Simazine	0.004	ND
Bromomethane	NR	ND	<b>Inorganics</b>		
Carbon tetrachloride	0.005	ND	Aluminum (Secondary MCL)	0.05-0.2	0.008
(mono) Chlorobenzene	0.1	ND	Antimony	0.006	ND
Chloroethane	NR	ND	Arsenic	0.010	ND
Chloromethane	NR	ND	Barium	2	ND
2-Chlorotoluene	NR	ND	Beryllium	0.004	ND
4-Chlorotoluene	NR	ND	Cadmium	0.005	ND
Dibromomethane	NR	ND	Chromium	0.1	ND
1,2-Dichlorobenzene (o-dichlorobenzene)	0.6	ND	Copper (90th percentile) <sup>5</sup>	1.3	0.11
1,3-Dichlorobenzene (m-dichlorobenzene)	NR	ND	Cyanide	0.2	ND
1,4-Dichlorobenzene (p-dichlorobenzene)	0.075	ND	Fluoride	4	0.99
Dichlorodifluoromethane	NR	ND	Iron	NR	0.05
1,1-Dichloroethane	NR	ND	Lead (90th percentile) <sup>5</sup>	0.015	0.00184
1,2-Dichloroethane (-ethylene)	0.005	ND	Manganese <sup>6</sup>	0.05/0.3/1.0	0.0013
1,1-Dichloroethene (-ethylene)	0.007	ND	Mercury	0.002	ND
cis-1,2-Dichloroethene (-ethylene)	0.07	ND	Molybdenum	NR	NA
trans-1,2-Dichloroethene (-ethylene)	0.1	ND	Nickel	NR	ND
Dichloromethane	0.005	ND	Nitrate	10	0.38
1,2-Dichloropropane	0.005	ND	Potassium	NR	NM
1,3-Dichloropropane	NR	ND	Selenium	0.05	ND
2,2-Dichloropropane	NR	ND	Silica	NR	NA
1,1-Dichloropropene	NR	ND	Silver (Secondary MCL)	0.1	NA
1,3-Dichloropropene	NR	NA	Sodium	NR	10.2
Ethylbenzene	0.7	ND	Strontium	NR	NA
Hexachlorobutadiene	NR	ND	Thallium	0.002	ND
Isopropylbenzene	NR	ND	Vanadium	NR	NM
4-Isopropyltoluene	NR	ND	Zinc (Secondary MCL)	5	ND
Napthalene	NR	ND	<b>Miscellaneous</b>		
n-Propylbenzene	NR	ND	Chloride	250	20
Styrene	0.1	ND	Total Dissolved Solids	500	188
1,1,1,2-Tetrachloroethane	NR	ND	Odor (Threshold Odor No.)	3	NA
1,1,2,2-Tetrachlorethane	NR	ND	Magnesium	NR	9.6
Toluene	1	ND	Calcium	NR	31
1,1,1-Trichloroethane	0.2	ND	Total Organic Carbon	TT <sup>4</sup>	1.35
Tetrachloroethene (-ethylene)	0.005	ND	pH	>7.0	7.0-7.6, ave. 7.3
1,2,3-Trichlorobenzene	NR	ND	Alkalinity	NR	82
1,2,4-Trichlorobenzene	0.07	ND	Orthophosphate	>0.8	0.98-1.86, ave. 1.26
Trichloroethene	0.005	ND	Hardness (as CaCO <sub>3</sub> )	NR	110-121, ave. 117
1,1,2-Trichloroethane	0.005	ND	Turbidity (NTU) <sup>3</sup>	0.3	0.05
Trichlorofluoromethane	NR	ND	Total Coliform <sup>2</sup>	<5%	0.0%
1,2,3-Trichloropropane	NR	ND	<b>Disinfection By-Products</b>		
Vinyl chloride	0.002	ND	Total Trihalomethanes	0.08	0.027
Xylenes, total	10	ND	Haloacetic Acids <sup>5</sup>	0.06	0.014
m-Xylene	NR	NA	<b>Radionuclides</b>		
o-Xylene	NR	NA	Beta Emitters (pCi/L) <sup>1</sup>	50	NA
p-Xylene	NR	NA	Alpha Emitters (pCi/L)	15	NM
			Radium 226/228 (pCi/L)	5	NM

ND = Not Detected    NR = Not Regulated    NA=No Value Required or Available    NM - Not Monitored this year

- EPA considers 50 pCi/L to be the level of concern for beta emitters and an MCL of 4 mrems/year
- Up to 5% monthly of all samples can be positive.
- Nephelometric Turbidity Unit - 95% of all samples taken must be less than 0.3 NTU, and no sample may be above 1 NTU.
- Treatment technique required rather than the necessity to meet a Maximum Contaminant Level. Required to be > 1.0
- Based on first draw samples from customer taps. These are Action Levels rather than Maximum Contaminant Levels.
- Ohio EPA considers 0.05 mg/L to be an aesthetic concern, 0.3 mg/L to be a health concern to infants, and 0.3 mg/L for 10 days or 1.0 mg/L for one day to be a health concern to all persons

Lake Erie raw Sulfate (SO<sub>4</sub>) level ~ 24 mg/L; treated SO<sub>4</sub> ranges from 28-40 mg/L, usually 35-40 mg/L