

EFFLUENT WATER ANALYSIS

2017

SOURCE OF SUPPLY - LAKE ERIE

Chemical Analysis	Frequency	Average	Suggested MCL
Temperature (°C)	D	12.8	**
Turbidity (NTU)	D	0.077	0.5
pH	D	7.76	6.5 to 8.5
Chlorine Residual - free	D	1.43	4.0
Chlorine Residual - total	D	1.64	4.0
Phosphate (PO ₄)	D	0.23	2.0
Fluoride	D	0.572	2.0
Alkalinity	W	86.1	**
Total Dissolved Solids	W	192.0	500
Total Hardness (CaCO ₃)	W	118.5	**
as grains per gallon (gpg) TH x 0.0584	W	6.92	**
Calcium Hardness (CaCO ₃)	W	82.5	**
Conductivity	W	291.9	**
Chloride	M	22.0	250
Total Organic Carbon	M	2.0	**
Aluminum	Q	0.036	0.2
Arsenic	Q	< 0.0010	0.05
Copper	Q	0.0071	*1.3
Iron	Q	< 0.020	0.3
Lead	Q	< 0.001	*0.015
Manganese	Q	< 0.0020	0.05
Magnesium	Q	8.7	**
Nitrate (as Nitrogen)	S	0.2	10.0
Nitrite (as Nitrogen)	S	< 0.01	1.0
Antimony	S	< 0.0010	0.006
Barium	S	0.02	2.0
Beryllium	S	< 0.0003	0.005
Cadmium	S	< 0.0010	0.1
Calcium	S	33	**
Chromium	S	< 0.0009	0.2
Cyanide	S	< 0.02	0.2
Mercury	S	< 0.0001	0.002
Nickel	S	< 0.001	0.1
Selenium	S	< 0.0020	0.05
Silver	S	< 0.0020	0.1
Thallium	S	< 0.0003	0.002
Zinc	S	< 0.0050	5.0
Asbestos (mf/L)	S	< 0.02	7.0
Color (Pt/Co Units)	S	< 5.0	15
Surfactants	S	< 0.2	0.5
Sulfates	S	19	250

Results expressed in parts per million (ppm) except for Temperature, Turbidity, pH, and Asbestos, and Color

Bacteriological Analysis	Frequency	Average	Suggested MCL
Coliform (per 100 ml)	D	< 1 per 100 mL	< 1 per 100 mL

KEY

D- Daily	* Action Level
W- Weekly	** Unregulated
M- Monthly	
Q- Quarterly	
S- Semi-annually	