

# INFLUENT WATER ANALYSIS

2017

SOURCE OF SUPPLY - LAKE ERIE

Chemical Analysis	Frequency	Average	High	Low
Temperature (°F)	D	55.0	77.9	33.8
Turbidity (NTU)	D	14.6	165	1.10
pH	D	7.89	8.63	4.65
Chlorine Residual - Free	D	0.08	1.76	0.00
Fluoride	D	0.124	0.038	0.256
Alkalinity	W	89.7	80.7	100.6
Total Dissolved Solids	W	188.3	218.7	176.4
Total Hardness (CaCO <sub>3</sub> )	W	119.1	124.8	111.2
as grains per gallon (gpg) TH x 0.0584	W	6.96	7.29	6.49
Calcium Hardness (CaCO <sub>3</sub> )	W	83.3	94.8	76.6
Conductivity	W	287.2	270.5	330.1
Chloride	M	20	13	27
Total Organic Carbon	M	2.3	2.6	1.9
Aluminum	Q	0.189	0.960	0.048
Arsenic	Q	< 0.001	0.0014	< 0.001
Copper	Q	0.007	0.053	< 0.002
Lead	Q	0.0009	0.0041	< 0.0005
Manganese	Q	0.0144	0.0680	0.0040
Zinc	Q	0.007	0.026	< 0.005
Calcium	Q	33	36	31
Iron	Q	0.340	0.048	1.800
Magnesium	Q	8.7	9.6	8.4
Sodium	Q	10.0	9.5	11

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

Bacteriological Analysis	Frequency	Average
Coliform (per 100 ml)	W	70 per 100 mL *

## KEY

D- Daily  
W- Weekly  
M- Monthly  
Q- Quarterly

\* Average based on days using the membrane filtration method