

**METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS**

Florence Plant

Monthly Averages

Source: Finished Water

Date: November 2017

Temperature	<u>7.4</u>	°C
Turbidity (NTU)	<u>0.08</u>	Units
Suspended Solids	<u>-</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O ₂)	<u>11.8</u>	mg/L
Langelier Index	<u>0.86</u>	
UV-ABS @ 254 nm	<u>4.6</u>	ABS/m
Total Organic Carbon	<u>2.5</u>	mg/L
Specific Conductance @ 25 °C	<u>720</u>	µmhos
Dissolved Solids (Calculated)	<u>516</u>	mg/L
Silica (SiO ₂)	<u>7.1</u>	mg/L
pH	<u>9.00</u>	Units
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>8</u>	mg/L
Total (M)	<u>78</u>	mg/L
Total Hardness (CaCO ₃)	<u>186</u>	mg/L
Carbonate	<u>78</u>	mg/L
Non-carbonate	<u>108</u>	mg/L
Nitrogen (N)		
Ammonia	<u>0.05</u>	mg/L
Nitrite	<u>-</u>	mg/L
Nitrate	<u>1.28</u>	mg/L
Chlorine (Cl ₂)		
Free Residual	<u>-</u>	mg/L
Total Residual	<u>2.17</u>	mg/L
Surfactants (MBAS)	<u>-</u>	mg/L
Radioactivity :		
Gross Alpha (α)	<u>0.2</u>	pCi/L
Beta Emitters (β)	<u>3.9</u>	pCi/L
Radium 226+228	<u>-</u>	pCi/L
Uranium	<u>-</u>	mg/L

Cations :			
Calcium	(Ca)	<u>43</u>	mg/L
Magnesium	(Mg)	<u>19</u>	mg/L
Sodium	(Na)	<u>91</u>	mg/L
Potassium	(K)	<u>6</u>	mg/L
Anions :			
Bicarbonate	(HCO ₃)	<u>76</u>	mg/L
Carbonate	(CO ₃)	<u>10</u>	mg/L
Hydroxide	(OH)	<u><0.1</u>	mg/L
Fluoride	(F)	<u>0.90</u>	mg/L
Chloride	(Cl)	<u>20</u>	mg/L
Bromide	(Br)	<u>-</u>	mg/L
Nitrite	(NO ₂)	<u>-</u>	mg/L
Nitrate	(NO ₃)	<u>5.67</u>	mg/L
Phosphate-ortho	(PO ₄)	<u><0.05</u>	mg/L
			mg/L
Sulfate	(SO ₄)	<u>238</u>	mg/L
Trace Inorganics :			
Aluminum	(Al)	<u>0.14</u>	mg/L
Copper	(Cu)	<u>< 0.01</u>	mg/L
Iron	(Fe)	<u><0.02</u>	mg/L
Lithium	(Li)	<u>0.05262</u>	mg/L
Manganese	(Mn)	<u>< 0.01</u>	mg/L
Strontium	(Sr)	<u>0.4042</u>	mg/L
Zinc	(Zn)	<u>< 0.01</u>	mg/L
Antimony	(Sb)	<u>< 1.0</u>	µg/L
Arsenic	(As)	<u>< 1.0</u>	µg/L
Barium	(Ba)	<u>26.04</u>	µg/L
Beryllium	(Be)	<u>< 1.0</u>	µg/L
Cadmium	(Cd)	<u>< 1.0</u>	µg/L
Chromium	(Cr)	<u>1.3</u>	µg/L
Lead	(Pb)	<u>< 1.0</u>	µg/L
Mercury	(Hg)	<u>-</u>	µg/L
Nickel	(Ni)	<u>< 1.0</u>	µg/L
Selenium	(Se)	<u>8.42</u>	µg/L
Thallium	(Tl)	<u>< 1.0</u>	µg/L

Bacteriological Quality : Distribution System

Meets USEPA drinking water standards:

T. coli: 0.34% E. coli: absent

Cryptosporidium: N.D. Giardia: N.D.

Organics :

Atrazine _____ µg/L

Metolachlor _____ µg/L

M. Feltes
Chemist

N. D. = Not Detected