

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

Florence Plant

Monthly Averages

Source: Finished Water

Date: July 2019

Temperature	<u>27.2</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>2.8</u>	mg/L
Langelier Index	<u>0.87</u>	
UV-ABS @ 254 nm	<u>7.1</u>	ABS/m
Total Organic Carbon	<u>3.3</u>	mg/L
Specific Conductance @ 25 °C	<u>600</u>	µmhos
Dissolved Solids (Calculated)	<u>425</u>	mg/L
Silica (SiO ₂)	<u>6.1</u>	mg/L
 pH	 <u>8.91</u>	 Units
 Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>6</u>	mg/L
Total (M)	<u>44</u>	mg/L
 Total Hardness (CaCO ₃)	 <u>174</u>	 mg/L
Carbonate	<u>44</u>	mg/L
Non-carbonate	<u>130</u>	mg/L
 Nitrogen (N)		
Ammonia	<u>0.11</u>	mg/L
Nitrite	<u>0.03</u>	mg/L
Nitrate	<u>1.77</u>	mg/L
 Chlorine (Cl ₂)		
Free Residual	<u>-</u>	mg/L
Total Residual	<u>2.41</u>	mg/L
 Surfactants (MBAS)	 <u>-</u>	 mg/L
 Radioactivity :		
Gross Alpha (α)	<u>0.3</u>	pCi/L
Beta Emitters (β)	<u>4.5</u>	pCi/L
Radium 226+228	<u>-</u>	pCi/L
Uranium	<u>-</u>	mg/L

Cations :			
Calcium	(Ca)	<u>48</u>	mg/L
Magnesium	(Mg)	<u>13</u>	mg/L
Sodium	(Na)	<u>49</u>	mg/L
Potassium	(K)	<u>7</u>	mg/L
Anions :			
Bicarbonate	(HCO ₃)	<u>39</u>	mg/L
Carbonate	(CO ₃)	<u>7</u>	mg/L
Hydroxide	(OH)	<u>0.17</u>	mg/L
Fluoride	(F)	<u>0.70</u>	mg/L
Chloride	(Cl)	<u>19</u>	mg/L
Bromide	(Br)	<u>0.04</u>	mg/L
Nitrite	(NO ₂)	<u>0.1</u>	mg/L
Nitrate	(NO ₃)	<u>7.82</u>	mg/L
Phosphate-ortho	(PO ₄)	<u><0.05</u>	mg/L
			mg/L
Sulfate	(SO ₄)	<u>227</u>	mg/L
Trace Inorganics :			
Aluminum	(Al)	<u>0.09</u>	mg/L
Copper	(Cu)	<u>< 0.01</u>	mg/L
Iron	(Fe)	<u><0.02</u>	mg/L
Lithium	(Li)	<u>0.053</u>	mg/L
Manganese	(Mn)	<u>< 0.01</u>	mg/L
Strontium	(Sr)	<u>0.381</u>	mg/L
Zinc	(Zn)	<u>< 0.01</u>	mg/L
Antimony	(Sb)	<u>< 1.0</u>	µg/L
Arsenic	(As)	<u>1.015</u>	µg/L
Barium	(Ba)	<u>41.28</u>	µg/L
Beryllium	(Be)	<u>< 1.0</u>	µg/L
Cadmium	(Cd)	<u>< 1.0</u>	µg/L
Chromium	(Cr)	<u>1.85</u>	µg/L
Lead	(Pb)	<u>< 1.0</u>	µg/L
Mercury	(Hg)	<u>-</u>	µg/L
Nickel	(Ni)	<u>1.878</u>	µg/L
Selenium	(Se)	<u>< 5.0</u>	µg/L
Thallium	(Tl)	<u>< 1.0</u>	µg/L

Bacteriological Quality : Distribution System

Meets USEPA drinking water standards:

T. coli:	0.00%	E. coli:	absent
Cryptosporidium:	N.D.	Giardia:	N.D.

Organics :

Atrazine	<u> </u>	µg/L
Metolachlor	<u> </u>	µg/L

M. Feltes
Chemist

N. D. = Not Detected