

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

Florence Plant

Monthly Averages

Source: Finished Water

Date: April 2017

Temperature	<u>12.5</u>	°C
Turbidity (NTU)	<u>0.08</u>	Units
Suspended Solids	<u>-</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O <sub>2</sub> )	<u>10.5</u>	mg/L
Langelier Index	<u>1.03</u>	
UV-ABS @ 254 nm	<u>5.4</u>	ABS/m
Total Organic Carbon	<u>3.4</u>	mg/L
Specific Conductance @ 25 °C	<u>730</u>	µmhos
Dissolved Solids (Calculated)	<u>527</u>	mg/L
Silica (SiO <sub>2</sub> )	<u>8.9</u>	mg/L
pH	<u>9.07</u>	Units
Alkalinity (CaCO <sub>3</sub> )		
Phenolphthalein (P)	<u>9</u>	mg/L
Total (M)	<u>71</u>	mg/L
Total Hardness (CaCO <sub>3</sub> )	<u>199</u>	mg/L
Carbonate	<u>71</u>	mg/L
Non-carbonate	<u>128</u>	mg/L
Nitrogen (N)		
Ammonia	<u>0.05</u>	mg/L
Nitrite	<u>-</u>	mg/L
Nitrate	<u>1.80</u>	mg/L
Chlorine (Cl <sub>2</sub> )		
Free Residual	<u>-</u>	mg/L
Total Residual	<u>2.44</u>	mg/L
Surfactants (MBAS)	<u>-</u>	mg/L
Radioactivity :		
Gross Alpha (α)	<u>0.3</u>	pCi/L
Beta Emitters (β)	<u>4.2</u>	pCi/L
Radium 226+228	<u>-</u>	pCi/L
Uranium	<u>-</u>	mg/L

Cations :			
Calcium	(Ca)	<u>49</u>	mg/L
Magnesium	(Mg)	<u>19</u>	mg/L
Sodium	(Na)	<u>85</u>	mg/L
Potassium	(K)	<u>7</u>	mg/L
Anions :			
Bicarbonate	(HCO <sub>3</sub> )	<u>65</u>	mg/L
Carbonate	(CO <sub>3</sub> )	<u>11</u>	mg/L
Hydroxide	(OH)	<u>&lt;0.1</u>	mg/L
Fluoride	(F)	<u>0.70</u>	mg/L
Chloride	(Cl)	<u>21</u>	mg/L
Bromide	(Br)	<u>-</u>	mg/L
Nitrite	(NO <sub>2</sub> )	<u>-</u>	mg/L
Nitrate	(NO <sub>3</sub> )	<u>7.97</u>	mg/L
Phosphate-ortho	(PO <sub>4</sub> )	<u>&lt;0.05</u>	mg/L
		<u></u>	mg/L
Sulfate	(SO <sub>4</sub> )	<u>253</u>	mg/L
Trace Inorganics :			
Aluminum	(Al)	<u>0.11</u>	mg/L
Copper	(Cu)	<u>&lt; 0.01</u>	mg/L
Iron	(Fe)	<u>&lt;0.02</u>	mg/L
Lithium	(Li)	<u>0.04796</u>	mg/L
Manganese	(Mn)	<u>&lt; 0.01</u>	mg/L
Strontium	(Sr)	<u>0.3686</u>	mg/L
Zinc	(Zn)	<u>&lt; 0.01</u>	mg/L
Antimony	(Sb)	<u>&lt; 1.0</u>	µg/L
Arsenic	(As)	<u>&lt; 1.0</u>	µg/L
Barium	(Ba)	<u>28.5</u>	µg/L
Beryllium	(Be)	<u>&lt; 1.0</u>	µg/L
Cadmium	(Cd)	<u>&lt; 1.0</u>	µg/L
Chromium	(Cr)	<u>1.2</u>	µg/L
Lead	(Pb)	<u>&lt; 1.0</u>	µg/L
Mercury	(Hg)	<u>-</u>	µg/L
Nickel	(Ni)	<u>&lt; 1.0</u>	µg/L
Selenium	(Se)	<u>&lt; 5.0</u>	µg/L
Thallium	(Tl)	<u>&lt; 1.0</u>	µg/L

Bacteriological Quality : Distribution System

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Meets USEPA drinking water standards:

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T. coli: 0.00%      E. coli: absent

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

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Organics :

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

M. Feltes  
Chemist

N. D. = Not Detected