

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: October 2017

Temperature	<u>14.7</u>	° C
Turbidity (NTU)	<u>0.06</u>	Units
Total Organic Carbon	<u>1.9</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O <sub>2</sub> )	<u>5.0</u>	mg/L
Langelier Index	<u>1.00</u>	
UV-ABS @ 254 nm	<u>4.8</u>	ABS/m
Specific Conductance @ 25 °C	<u>489</u>	µmhos
Dissolved Solids (Calculated)	<u>396</u>	mg/L
Silica (SiO <sub>2</sub> )	<u>30.5</u>	mg/L
pH	<u>8.72</u>	mg/L
Alkalinity (CaCO <sub>3</sub> )		
Phenolphthalein (P)	<u>11</u>	mg/L
Total (M)	<u>122</u>	mg/L
Total Hardness (CaCO <sub>3</sub> )	<u>157</u>	mg/L
Carbonate	<u>122</u>	mg/L
Non-carbonate	<u>35</u>	mg/L
Nitrogen (N)		
Ammonia	<u>0.01</u>	mg/L
Nitrite	<u>          </u>	mg/L
Nitrate	<u>0.70</u>	mg/L
Chlorine (Cl <sub>2</sub> )		
Free Residual	<u>0.00</u>	mg/L
Total Residual	<u>2.50</u>	mg/L
Surfactants (MBAS)	<u>-</u>	mg/L
Trace Inorganics:		
Iron (total)	<u>&lt;0.02</u>	mg/L
Iron (dissolved)	<u>-</u>	mg/L
Manganese (total)	<u>0.011</u>	mg/L
Manganese (dissolved)	<u>-</u>	mg/L
	<u>-</u>	mg/L

Cations :

Calcium	(Ca)	<u>48</u>	mg/L
Magnesium	(Mg)	<u>9</u>	mg/L
Sodium	(Na)	<u>43</u>	mg/L
Potassium	(K)	<u>11</u>	mg/L

Anions :

Bicarbonate	(HCO <sub>3</sub> )	<u>122</u>	mg/L
Carbonate	(CO <sub>3</sub> )	<u>13.2</u>	mg/L
Hydroxide	(OH)	<u>-</u>	mg/L
Fluoride	(F)	<u>0.77</u>	mg/L
Chloride	(Cl)	<u>18</u>	mg/L
Bromide	(Br)	<u>          </u>	mg/L
Nitrite	(NO <sub>2</sub> )	<u>          </u>	mg/L
Nitrate	(NO <sub>3</sub> )	<u>3.10</u>	mg/L
Phosphate-ortho	(PO <sub>4</sub> )	<u>0.15</u>	mg/L
		<u>          </u>	mg/L
Sulfate	(SO <sub>4</sub> )	<u>97</u>	mg/L

Trace Inorganics :

Aluminum	(Al)	<u>&lt; 0.01</u>	mg/L
Copper	(Cu)	<u>&lt; 0.01</u>	mg/L
Iron	(Fe)	<u>&lt;0.02</u>	mg/L
Lithium	(Li)	<u>0.02</u>	mg/L
Manganese	(Mn)	<u>0.011</u>	mg/L
Strontium	(Sr)	<u>0.31</u>	mg/L
Zinc	(Zn)	<u>&lt; 0.01</u>	mg/L
Antimony	(Sb)	<u>&lt; 1.0</u>	µg/L
Arsenic	(As)	<u>4.44</u>	µg/L
Barium	(Ba)	<u>86.9</u>	µg/L
Beryllium	(Be)	<u>&lt; 1.0</u>	µg/L
Cadmium	(Cd)	<u>&lt; 1.0</u>	µg/L
Chromium	(Cr)	<u>&lt; 1.0</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

Organics :

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

Bacteriological Quality : Distribution System

Meets U.S.E.P.A. drinking water standards:

T. Coli - 0.34%; E. Coli - Absent

Giardia - N.D. Cryptosporidium - N.D.

*Jessica Martin*  
Water Analyst