

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: June 2023

Temperature	<u>16.6</u>	° C
Turbidity (NTU)	<u>0.03</u>	Units
Total Organic Carbon	<u>1.7</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O ₂)	<u>5.9</u>	mg/L
Langelier Index	<u>1.19</u>	
UV-ABS @ 254 nm	<u>4.5</u>	ABS/m
Specific Conductance @ 25 °C	<u>422</u>	mmhos
Dissolved Solids (Calculated)	<u>353</u>	mg/L
Silica (SiO ₂)	<u>30.2</u>	mg/L
pH	<u>8.91</u>	mg/L
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>13</u>	mg/L
Total (M)	<u>129</u>	mg/L
Total Hardness (CaCO ₃)	<u>145</u>	mg/L
Carbonate	<u>129</u>	mg/L
Non-carbonate	<u>16</u>	mg/L
Nitrogen (N)		
Ammonia	<u><0.05</u>	mg/L
Nitrite	<u><0.02</u>	mg/L
Nitrate	<u>0.59</u>	mg/L
Chlorine (Cl ₂)		
Free Residual	<u>0.01</u>	mg/L
Total Residual	<u>2.51</u>	mg/L
Surfactants (MBAS)	<u>-</u>	mg/L
Trace Inorganics:		
Iron (total)	<u><0.02</u>	mg/L
Iron (dissolved)	<u>-</u>	mg/L
Manganese (total)	<u><0.02</u>	mg/L
Manganese (dissolved)	<u>-</u>	mg/L

Cations :			
Calcium	(Ca)	<u>44</u>	mg/L
Magnesium	(Mg)	<u>8.3</u>	mg/L
Sodium	(Na)	<u>31</u>	mg/L
Potassium	(K)	<u>8.7</u>	mg/L
Anions :			
Bicarbonate	(HCO ₃)	<u>126</u>	mg/L
Carbonate	(CO ₃)	<u>15.6</u>	mg/L
Hydroxide	(OH)	<u><0.1</u>	mg/L
Fluoride	(F)	<u>0.7</u>	mg/L
Chloride	(Cl)	<u>16</u>	mg/L
Bromide	(Br)	<u>0.02</u>	mg/L
Nitrite	(NO ₂)	<u><0.07</u>	mg/L
Nitrate	(NO ₃)	<u>2.61</u>	mg/L
Phosphate-ortho	(PO ₄)	<u>0.38</u>	mg/L
Sulfate	(SO ₄)	<u>69</u>	mg/L
Trace Inorganics :			
Aluminum	(Al)	<u><0.01</u>	mg/L
Copper	(Cu)	<u>0.001</u>	mg/L
Iron	(Fe)	<u><0.02</u>	mg/L
Lithium	(Li)	<u>0.018</u>	mg/L
Manganese	(Mn)	<u><0.02</u>	mg/L
Strontium	(Sr)	<u>0.280</u>	mg/L
Zinc	(Zn)	<u><0.005</u>	mg/L
Antimony	(Sb)	<u>< 1.0</u>	µg/L
Arsenic	(As)	<u>3.54</u>	µg/L
Barium	(Ba)	<u>67.0</u>	µg/L
Beryllium	(Be)	<u>< 1.0</u>	µg/L
Cadmium	(Cd)	<u>< 1.0</u>	µg/L
Chromium	(Cr)	<u>< 1.0</u>	µg/L
Lead	(Pb)	<u>< 1.0</u>	µg/L
Mercury	(Hg)	<u>-</u>	µg/L
Nickel	(Ni)	<u>1.17</u>	µg/L
Selenium	(Se)	<u>< 5.0</u>	µg/L
Thallium	(Tl)	<u>< 1.0</u>	µg/L

Bacteriological Quality : Distribution System
Meets U.S.E.P.A. drinking water standards:
TC - 0.00%; E. coli - Absent
Giardia - N.D. Cryptosporidium - N.D.

Organics :
 Atrazine 0.13 µg/L
 Metolachlor - µg/L

N. D. = Not Detected

Brent Paine
Water Analyst