

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: December 2022

Temperature	<u>14.5</u>	° C
Turbidity (NTU)	<u>0.04</u>	Units
Total Organic Carbon	<u>1.7</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O ₂)	<u>5.7</u>	mg/L
Langelier Index	<u>1.12</u>	
UV-ABS @ 254 nm	<u>5.0</u>	ABS/m
Specific Conductance @ 25 °C	<u>396</u>	mmhos
Dissolved Solids (Calculated)	<u>384</u>	mg/L

Silica (SiO₂) 56 mg/L

pH 8.92 Units

Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>13</u>	mg/L
Total (M)	<u>121</u>	mg/L

Total Hardness (CaCO ₃)	<u>133</u>	mg/L
Carbonate	<u>121</u>	mg/L
Non-carbonate	<u>12</u>	mg/L

Nitrogen (N)		
Ammonia	<u><0.05</u>	mg/L
Nitrite	<u><0.02</u>	mg/L
Nitrate	<u>0.40</u>	mg/L

Chlorine (Cl ₂)		
Free Residual	<u>0.00</u>	mg/L
Total Residual	<u>2.10</u>	mg/L

Surfactants (MBAS) - 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>39</u>	mg/L	
Magnesium (Mg)	<u>8.7</u>	mg/L	
Sodium (Na)	<u>53</u>	mg/L	
Potassium (K)	<u>16</u>	mg/L	

Anions :			
Bicarbonate (HCO ₃)	<u>116</u>	mg/L	
Carbonate (CO ₃)	<u>15.6</u>	mg/L	
Hydroxide (OH)	<u><0.1</u>	mg/L	
Fluoride (F)	<u>0.72</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>1.77</u>	mg/L	
Phosphate-ortho (PO ₄)	<u>0.29</u>	mg/L	
Sulfate (SO ₄)	<u>61</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>0.457</u>	mg/L	
Zinc (Zn)	<u><0.005</u>	mg/L	

Antimony (Sb)	<u><1.0</u>	µg/L
Arsenic (As)	<u>3.86</u>	µg/L
Barium (Ba)	<u>67.1</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><1.0</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	<u>-</u>	µg/L	
Metolachlor	<u>-</u>	µg/L	

N. D. = Not Detected

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