

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: March 2023

Temperature	<u>12.3</u>	° C
Turbidity (NTU)	<u>0.04</u>	Units
Total Organic Carbon	<u>1.6</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O <sub>2</sub> )	<u>7.0</u>	mg/L
Langelier Index	<u>1.18</u>	
UV-ABS @ 254 nm	<u>3.8</u>	ABS/m
Specific Conductance @ 25 °C	<u>382</u>	mmhos
Dissolved Solids (Calculated)	<u>314</u>	mg/L

Silica (SiO<sub>2</sub>) 28.8 mg/L

pH 9.06 mg/L

Alkalinity (CaCO<sub>3</sub>)  
Phenolphthalein (P) 17 mg/L  
Total (M) 115 mg/L

Total Hardness (CaCO<sub>3</sub>) 126 mg/L  
Carbonate 115 mg/L  
Non-carbonate 11 mg/L

Nitrogen (N)  
Ammonia <0.05 mg/L  
Nitrite <0.02 mg/L  
Nitrate 0.54 mg/L

Chlorine (Cl<sub>2</sub>)  
Free Residual 0.00 mg/L  
Total Residual 2.09 mg/L

Surfactants (MBAS) - mg/L

Trace Inorganics:  
Iron (total) <0.02 mg/L  
Iron (dissolved) - mg/L  
Manganese (total) 0.01 mg/L  
Manganese (dissolved) - mg/L

Cations :  
Calcium (Ca) 36 mg/L  
Magnesium (Mg) 8.5 mg/L  
Sodium (Na) 31 mg/L  
Potassium (K) 9.1 mg/L

Anions :  
Bicarbonate (HCO<sub>3</sub>) 99 mg/L  
Carbonate (CO<sub>3</sub>) 20.4 mg/L  
Hydroxide (OH) <0.1 mg/L  
Fluoride (F) 0.6 mg/L  
Chloride (Cl) 15 mg/L  
Bromide (Br) 0.02 mg/L  
Nitrite (NO<sub>2</sub>) <0.07 mg/L  
Nitrate (NO<sub>3</sub>) 2.39 mg/L  
Phosphate-ortho (PO<sub>4</sub>) 0.29 mg/L  
Sulfate (SO<sub>4</sub>) 62 mg/L

Trace Inorganics :  
Aluminum (Al) <0.01 mg/L  
Copper (Cu) 0.001 mg/L  
Iron (Fe) <0.02 mg/L  
Lithium (Li) 0.018 mg/L  
Manganese (Mn) 0.01 mg/L  
Strontium (Sr) 0.261 mg/L  
Zinc (Zn) <0.005 mg/L

Antimony (Sb) <1.0 µg/L  
Arsenic (As) 3.42 µg/L  
Barium (Ba) 63.4 µg/L  
Beryllium (Be) <1.0 µg/L  
Cadmium (Cd) <1.0 µg/L  
Chromium (Cr) <1.0 µg/L  
Lead (Pb) <1.0 µg/L  
Mercury (Hg) - µg/L  
Nickel (Ni) <1.0 µg/L  
Selenium (Se) <5.0 µg/L  
Thallium (Tl) <1.0 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 - µg/L  
Metolachlor - µg/L

N. D. = Not Detected

**Brent Paine**  
Water Analyst