

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: October 2024

Temperature 17.6 °C  
 Turbidity (NTU) 0.04 Units  
 Total Organic Carbon 1.5 mg/L  
 Color 2 Units  
 Dissolved Oxygen (O<sub>2</sub>) 7.2 mg/L  
 Langelier Index 1.25  
 UV-ABS @ 254 nm 4.6 ABS/m  
 Specific Conductance @ 25 °C 440 mmhos  
 Dissolved Solids (Calculated) 359 mg/L

Silica (SiO<sub>2</sub>) 27.6 mg/L

pH 8.94 mg/L

Alkalinity (CaCO<sub>3</sub>)  
 Phenolphthalein (P) 13 mg/L  
 Total (M) 122 mg/L

Total Hardness (CaCO<sub>3</sub>) 149 mg/L  
 Carbonate 122 mg/L  
 Non-carbonate 27 mg/L

Nitrogen (N)  
 Ammonia <0.05 mg/L  
 Nitrite <0.02 mg/L  
 Nitrate 0.53 mg/L

Chlorine (Cl<sub>2</sub>)  
 Free Residual 0.03 mg/L  
 Total Residual 2.66 mg/L

Surfactants (MBAS) - mg/L

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

Cations :  
 Calcium (Ca) 46 mg/L  
 Magnesium (Mg) 8.0 mg/L  
 Sodium (Na) 32 mg/L  
 Potassium (K) 10 mg/L

Anions :  
 Bicarbonate (HCO<sub>3</sub>) 117 mg/L  
 Carbonate (CO<sub>3</sub>) 15.6 mg/L  
 Hydroxide (OH) <0.1 mg/L  
 Fluoride (F) 0.7 mg/L  
 Chloride (Cl) 18 mg/L  
 Bromide (Br) 0.03 mg/L  
 Nitrite (NO<sub>2</sub>) <0.07 mg/L  
 Nitrate (NO<sub>3</sub>) 2.35 mg/L  
 Phosphate-ortho (PO<sub>4</sub>) 0.27 mg/L  
 Sulfate (SO<sub>4</sub>) 81 mg/L

Trace Inorganics :  
 Aluminum (Al) <0.01 mg/L  
 Copper (Cu) <0.001 mg/L  
 Iron (Fe) <0.02 mg/L  
 Lithium (Li) 0.019 mg/L  
 Manganese (Mn) <0.02 mg/L  
 Strontium (Sr) 0.301 mg/L  
 Zinc (Zn) <0.005 mg/L

Antimony (Sb) < 1.0 µg/L  
 Arsenic (As) 3.61 µg/L  
 Barium (Ba) 85.2 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) 1.27 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**  
 Biologist I