

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: July 2024

Temperature 18.2 °C
 Turbidity (NTU) 0.04 Units
 Total Organic Carbon 1.8 mg/L
 Color 2 Units
 Dissolved Oxygen (O₂) 6.8 mg/L
 Langelier Index 1.20
 UV-ABS @ 254 nm 4.5 ABS/m
 Specific Conductance @ 25 °C 424 mmhos
 Dissolved Solids (Calculated) 341 mg/L

Silica (SiO₂) 13.5 mg/L

pH 8.90 mg/L

Alkalinity (CaCO₃)
 Phenolphthalein (P) 11 mg/L
 Total (M) 121 mg/L

Total Hardness (CaCO₃) 147 mg/L
 Carbonate 121 mg/L
 Non-carbonate 26 mg/L

Nitrogen (N)
 Ammonia <0.05 mg/L
 Nitrite <0.02 mg/L
 Nitrate 0.52 mg/L

Chlorine (Cl₂)
 Free Residual 0.07 mg/L
 Total Residual 2.82 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) 45 mg/L
 Magnesium (Mg) 8.5 mg/L
 Sodium (Na) 33 mg/L
 Potassium (K) 10 mg/L

Anions :
 Bicarbonate (HCO₃) 121 mg/L
 Carbonate (CO₃) 13.2 mg/L
 Hydroxide (OH) <0.1 mg/L
 Fluoride (F) 0.8 mg/L
 Chloride (Cl) 18 mg/L
 Bromide (Br) 0.02 mg/L
 Nitrite (NO₂) <0.07 mg/L
 Nitrate (NO₃) 2.30 mg/L
 Phosphate-ortho (PO₄) 0.29 mg/L
 Sulfate (SO₄) 75 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) 0.294 mg/L
 Zinc (Zn) <0.005 mg/L

Antimony (Sb) <1.0 µg/L
 Arsenic (As) 3.88 µg/L
 Barium (Ba) 75.9 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) 1.02 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 2.52 µg/L
 Metolachlor - µg/L

N. D. = Not Detected

Brent Paine
 Water Analyst