

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte West Plant

Monthly Averages

Source: Finished Water

Date: July 2025

Temperature	<u>18.5</u>	° C
Turbidity (NTU)	<u>0.04</u>	Units
Total Organic Carbon	<u>1.7</u>	mg/L
Color	<u>1</u>	Units
Dissolved Oxygen (O ₂)	<u>8.7</u>	mg/L
Langelier Index	<u>1.21</u>	
UV-ABS @ 254 nm	<u>4.3</u>	ABS/m
Specific Conductance @ 25 °C	<u>425</u>	mmhos
Dissolved Solids (Calculated)	<u>349</u>	mg/L

Silica (SiO₂) 26.7 mg/L

pH 8.88 Units

Alkalinity (CaCO₃)
 Phenolphthalein (P) 14 mg/L
 Total (M) 125 mg/L

Total Hardness (CaCO₃) 144 mg/L
 Carbonate 125 mg/L
 Non-carbonate 19 mg/L

Nitrogen (N)
 Ammonia <0.05 mg/L
 Nitrite <0.02 mg/L
 Nitrate 0.71 mg/L

Chlorine (Cl₂)
 Free Residual 0.00 mg/L
 Total Residual 2.50 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) 7.3 mg/L
 Sodium (Na) 29 mg/L
 Potassium (K) 9.6 mg/L

Anions :
 Bicarbonate (HCO₃) 118 mg/L
 Carbonate (CO₃) 16.8 mg/L
 Hydroxide (OH) <0.1 mg/L
 Fluoride (F) 0.70 mg/L
 Chloride (Cl) 20 mg/L
 Bromide (Br) 0.02 mg/L
 Nitrite (NO₂) <0.07 mg/L
 Nitrate (NO₃) 3.15 mg/L
 Phosphate-ortho (PO₄) 0.30 mg/L
 Sulfate (SO₄) 72 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) <0.02 mg/L
 Strontium (Sr) 0.282 mg/L
 Zinc (Zn) <0.005 mg/L

Antimony (Sb) < 1.0 µg/L
 Arsenic (As) 3.96 µg/L
 Barium (Ba) 79.7 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) 1.17 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.

N. D. = Not Detected

Organics :

Atrazine - µg/L
 Metolachlor - µg/L

Brent Paine

Biologist I