

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte West Plant

Monthly Averages

Source: Finished Water

Date: August 2025

Temperature	<u>18.6</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>9.1</u>	mg/L
Langelier Index	<u>1.23</u>	
UV-ABS @ 254 nm	<u>4.5</u>	ABS/m
Specific Conductance @ 25 °C	<u>423</u>	mmhos
Dissolved Solids (Calculated)	<u>370</u>	mg/L

Silica (SiO₂) 50.2 mg/L

pH 8.92 Units

Alkalinity (CaCO₃)
 Phenolphthalein (P) 15 mg/L
 Total (M) 124 mg/L

Total Hardness (CaCO₃) 145 mg/L
 Carbonate 124 mg/L
 Non-carbonate 21 mg/L

Nitrogen (N)
 Ammonia <0.05 mg/L
 Nitrite <0.02 mg/L
 Nitrate 0.40 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) 0.046 mg/L
 Manganese (dissolved) - mg/L

Cations :
 Calcium (Ca) 46 mg/L
 Magnesium (Mg) 7.5 mg/L
 Sodium (Na) 30.3 mg/L
 Potassium (K) 9.4 mg/L

Anions :
 Bicarbonate (HCO₃) 115 mg/L
 Carbonate (CO₃) 18 mg/L
 Hydroxide (OH) <0.1 mg/L
 Fluoride (F) 0.69 mg/L
 Chloride (Cl) 18 mg/L
 Bromide (Br) 0.02 mg/L
 Nitrite (NO₂) <0.07 mg/L
 Nitrate (NO₃) 1.77 mg/L
 Phosphate-ortho (PO₄) 0.29 mg/L
 Sulfate (SO₄) 73 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) 0.046 mg/L
 Strontium (Sr) 0.279 mg/L
 Zinc (Zn) < 0.005 mg/L

Antimony (Sb) < 1.0 µg/L
 Arsenic (As) 3.82 µg/L
 Barium (Ba) 81.5 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) 1.13 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