

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte West Plant

Monthly Averages

Source: Finished Water

Date: December 2025

Temperature	14.8	° C
Turbidity (NTU)	0.03	Units
Total Organic Carbon	1.7	mg/L
Color	1	Units
Dissolved Oxygen (O ₂)	9.3	mg/L
Langelier Index	1.13	
UV-ABS @ 254 nm	4.4	ABS/m
Specific Conductance @ 25 °C	421	mmhos
Dissolved Solids (Calculated)	332	mg/L

Silica (SiO₂) 23.8 mg/L

pH 8.89 Units

Alkalinity (CaCO₃)
 Phenolphthalein (P) 18 mg/L
 Total (M) 119 mg/L

Total Hardness (CaCO₃) 137 mg/L
 Carbonate 119 mg/L
 Non-carbonate 18 mg/L

Nitrogen (N)
 Ammonia <0.05 mg/L
 Nitrite <0.02 mg/L
 Nitrate 0.28 mg/L

Chlorine (Cl₂)
 Free Residual 0.00 mg/L
 Total Residual 2.10 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) 43 mg/L
 Magnesium (Mg) 7.3 mg/L
 Sodium (Na) 29 mg/L
 Potassium (K) 8.7 mg/L

Anions :
 Bicarbonate (HCO₃) 101 mg/L
 Carbonate (CO₃) 21.6 mg/L
 Hydroxide (OH) <0.1 mg/L
 Fluoride (F) 0.67 mg/L
 Chloride (Cl) 18 mg/L
 Bromide (Br) 0.02 mg/L
 Nitrite (NO₂) <0.07 mg/L
 Nitrate (NO₃) 1.24 mg/L
 Phosphate-ortho (PO₄) 0.29 mg/L
 Sulfate (SO₄) 77 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) 0.290 mg/L
 Zinc (Zn) <0.005 mg/L

Antimony (Sb) < 1.0 µg/L
 Arsenic (As) 3.68 µg/L
 Barium (Ba) 79.9 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) 1.21 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 - 0.34%; E. coli - Absent

Giardia - N.D. Cryptosporidium - N.D.

N. D. = Not Detected

Organics :

Atrazine - µg/L
 Metolachlor - µg/L

Brent Paine

Biologist I