

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte West Plant

Monthly Averages

Source: Finished Water

Date: June 2025

Temperature	<u>16.8</u>	° C
Turbidity (NTU)	<u>0.03</u>	Units
Total Organic Carbon	<u>1.5</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O ₂)	<u>8.7</u>	mg/L
Langelier Index	<u>1.17</u>	
UV-ABS @ 254 nm	<u>3.8</u>	ABS/m
Specific Conductance @ 25 °C	<u>422</u>	mmhos
Dissolved Solids (Calculated)	<u>344</u>	mg/L

Silica (SiO₂) 28.1 mg/L

pH 8.90 Units

Alkalinity (CaCO₃)
 Phenolphthalein (P) 13 mg/L
 Total (M) 123 mg/L

Total Hardness (CaCO₃) 142 mg/L
 Carbonate 123 mg/L
 Non-carbonate 19 mg/L

Nitrogen (N)
 Ammonia <0.05 mg/L
 Nitrite <0.02 mg/L
 Nitrate 0.67 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) 44 mg/L
 Magnesium (Mg) 7.5 mg/L
 Sodium (Na) 32 mg/L
 Potassium (K) 9.8 mg/L

Anions :
 Bicarbonate (HCO₃) 118 mg/L
 Carbonate (CO₃) 15.6 mg/L
 Hydroxide (OH) <0.1 mg/L
 Fluoride (F) 0.72 mg/L
 Chloride (Cl) 19 mg/L
 Bromide (Br) 0.02 mg/L
 Nitrite (NO₂) <0.07 mg/L
 Nitrate (NO₃) 2.97 mg/L
 Phosphate-ortho (PO₄) 0.31 mg/L
 Sulfate (SO₄) 66 mg/L

Trace Inorganics :
 Aluminum (Al) <0.01 mg/L
 Copper (Cu) 0.001 mg/L
 Iron (Fe) <0.02 mg/L
 Lithium (Li) 0.021 mg/L
 Manganese (Mn) <0.02 mg/L
 Strontium (Sr) 0.285 mg/L
 Zinc (Zn) <0.005 mg/L

Antimony (Sb) < 1.0 µg/L
 Arsenic (As) 4.13 µg/L
 Barium (Ba) 74.8 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 0.44 µg/L
 Metolachlor - µg/L

Brent Paine

Biologist I