

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte South Plant

Monthly Averages

Source: Finished Water

Date: September 2025

Temperature	22.6	°C
Turbidity (NTU)	0.03	Units
Total Organic Carbon	2.0	mg/L
Color	6	Units
Dissolved Oxygen (O ₂)	4.6	mg/L
Langelier Index	1.51	
UV-ABS @ 254 nm	6.4	ABS/m
Specific Conductance @ 25 °C	516	µmhos
Total Dissolved Solids	389	mg/L

Silica (SiO₂) 24.7 mg/L

pH 9.04 Units

Alkalinity (CaCO₃)
 Phenolphthalein (P) 34 mg/L
 Total (M) 157 mg/L

Total Hardness (CaCO₃) 165 mg/L
 Carbonate 157 mg/L
 Non-carbonate 8 mg/L

Nitrogen (N)
 Ammonia <0.05 mg/L
 Nitrite <0.02 mg/L
 Nitrate 0.90 mg/L

Chlorine (Cl₂)
 Free Residual - mg/L
 Total Residual 2.43 mg/L

Surfactants (MBAS) - mg/L

Radioactivity :
 Gross Alpha & Beta - pCi/L
 Iodine 131 - pCi/L
 Radium 226 - pCi/L
 Strontium 90 - pCi/L
 Tritium - pCi/L

Bacteriological Quality : Distribution System

Meets U.S.E.P.A. drinking water standards:

T. Coli - 0.00%; E. Coli - Absent

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

N.D. = Not Detected

Cations :

Calcium	(Ca)	<u>48</u>	mg/L
Magnesium	(Mg)	<u>11</u>	mg/L
Sodium	(Na)	<u>40</u>	mg/L
Potassium	(K)	<u>10</u>	mg/L

Anions :

Bicarbonate	(HCO ₃)	<u>109</u>	mg/L
Carbonate	(CO ₃)	<u>40.8</u>	mg/L
Hydroxide	(OH)	<u>0.2</u>	mg/L
Fluoride	(F)	<u>0.74</u>	mg/L
Chloride	(Cl)	<u>37</u>	mg/L
Bromide	(Br)	<u><0.02</u>	mg/L
Nitrite	(NO ₂)	<u><0.07</u>	mg/L
Nitrate	(NO ₃)	<u>3.99</u>	mg/L
Phosphate	(PO ₄)	<u>0.45</u>	mg/L
Sulfate	(SO ₄)	<u>63</u>	mg/L

Trace Inorganics :

Aluminum	(Al)	<u>< 0.01</u>	mg/L
Copper	(Cu)	<u>0.003</u>	mg/L
Iron	(Fe)	<u>0.098</u>	mg/L
Lithium	(Li)	<u>0.021</u>	mg/L
Manganese	(Mn)	<u>< 0.001</u>	mg/L
Strontium	(Sr)	<u>0.301</u>	mg/L
Zinc	(Zn)	<u>< 0.005</u>	mg/L

Antimony	(Sb)	<u>< 1.0</u>	µg/L
Arsenic	(As)	<u>4.20</u>	µg/L
Barium	(Ba)	<u>76.6</u>	µg/L
Beryllium	(Be)	<u>< 1.0</u>	µg/L
Cadmium	(Cd)	<u>< 1.0</u>	µg/L
Chromium	(Cr)	<u>< 1.0</u>	µg/L
Lead	(Pb)	<u>< 1.0</u>	µg/L
Mercury	(Hg)	<u>-</u>	µg/L
Nickel	(Ni)	<u>1.36</u>	µg/L
Selenium	(Se)	<u>5.22</u>	µg/L
Thallium	(Tl)	<u>< 1.0</u>	µg/L

Organics :

Atrazine	<u>-</u>	µg/L
Metolachlor	<u>-</u>	µg/L

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Water Analyst I