

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte West Plant

Monthly Averages

Source: Finished Water

Date: September 2025

Temperature	18.2	° C
Turbidity (NTU)	0.03	Units
Total Organic Carbon	1.7	mg/L
Color	1	Units
Dissolved Oxygen (O ₂)	10.2	mg/L
Langelier Index	1.24	
UV-ABS @ 254 nm	4.1	ABS/m
Specific Conductance @ 25 °C	429	mmhos
Dissolved Solids (Calculated)	344	mg/L
Silica (SiO ₂)	26.9	mg/L
pH	8.94	Units
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	15	mg/L
Total (M)	123	mg/L
Total Hardness (CaCO ₃)	145	mg/L
Carbonate	123	mg/L
Non-carbonate	22	mg/L
Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	<0.02	mg/L
Nitrate	0.43	mg/L
Chlorine (Cl ₂)		
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)	45 mg/L
Magnesium	(Mg)	7.8 mg/L
Sodium	(Na)	30 mg/L
Potassium	(K)	8.6 mg/L

Anions :		
Bicarbonate	(HCO ₃)	113 mg/L
Carbonate	(CO ₃)	18 mg/L
Hydroxide	(OH)	<0.1 mg/L
Fluoride	(F)	0.69 mg/L
Chloride	(Cl)	17 mg/L
Bromide	(Br)	0.02 mg/L
Nitrite	(NO ₂)	<0.07 mg/L
Nitrate	(NO ₃)	1.90 mg/L
Phosphate-ortho	(PO ₄)	0.30 mg/L
Sulfate	(SO ₄)	74 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)	0.287 mg/L
Zinc	(Zn)	<0.005 mg/L

Antimony	(Sb)	< 1.0 µg/L
Arsenic	(As)	3.85 µg/L
Barium	(Ba)	72.7 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)	<1.0 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