

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte South Plant

Monthly Averages

Source: Finished Water

Date: May 2025

Temperature	<u>13.2</u>	°C
Turbidity (NTU)	<u>0.03</u>	Units
Total Organic Carbon	<u>1.6</u>	mg/L
Color	<u>4</u>	Units
Dissolved Oxygen (O ₂)	<u>5.8</u>	mg/L
Langelier Index	<u>1.33</u>	
UV-ABS @ 254 nm	<u>4.8</u>	ABS/m
Specific Conductance @ 25 °C	<u>524</u>	µmhos
Total Dissolved Solids	<u>398</u>	mg/L

Silica (SiO ₂)	<u>27.5</u>	mg/L
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pH	<u>9.02</u>	mg/L
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Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>19</u>	mg/L
Total (M)	<u>143</u>	mg/L

Total Hardness (CaCO ₃)	<u>168</u>	mg/L
Carbonate	<u>143</u>	mg/L
Non-carbonate	<u>25</u>	mg/L

Nitrogen (N)		
Ammonia	<u><0.05</u>	mg/L
Nitrite	<u><0.02</u>	mg/L
Nitrate	<u>0.84</u>	mg/L

Chlorine (Cl ₂)		
Free Residual	<u>-</u>	mg/L
Total Residual	<u>2.41</u>	mg/L

Surfactants (MBAS)	<u>-</u>	mg/L
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Radioactivity :		
Gross Alpha & Beta	<u>-</u>	pCi/L
Iodine 131	<u>-</u>	pCi/L
Radium 226	<u>-</u>	pCi/L
Strontium 90	<u>-</u>	pCi/L
Tritium	<u>-</u>	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>12</u> mg/L
Sodium	(Na)	<u>41</u> mg/L
Potassium	(K)	<u>7.5</u> mg/L

Anions :		
Bicarbonate	(HCO ₃)	<u>128</u> mg/L
Carbonate	(CO ₃)	<u>22.8</u> mg/L
Hydroxide	(OH)	<u><0.1</u> mg/L
Fluoride	(F)	<u>0.69</u> mg/L
Chloride	(Cl)	<u>40</u> mg/L
Bromide	(Br)	<u><0.02</u> mg/L
Nitrite	(NO ₂)	<u><0.07</u> mg/L
Nitrate	(NO ₃)	<u>3.72</u> mg/L
Phosphate	(PO ₄)	<u>0.57</u> mg/L
Sulfate	(SO ₄)	<u>66</u> mg/L

Trace Inorganics :		
Aluminum	(Al)	<u><0.01</u> mg/L
Copper	(Cu)	<u>0.002</u> mg/L
Iron	(Fe)	<u>0.084</u> mg/L
Lithium	(Li)	<u>0.021</u> mg/L
Manganese	(Mn)	<u><0.001</u> mg/L
Strontium	(Sr)	<u>0.285</u> mg/L
Zinc	(Zn)	<u><0.005</u> mg/L

Antimony	(Sb)	<u>< 1.0</u> µg/L
Arsenic	(As)	<u>5.26</u> µg/L
Barium	(Ba)	<u>71.0</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>1.08</u> µg/L
Selenium	(Se)	<u>5.17</u> µg/L
Thallium	(Tl)	<u>< 1.0</u> µg/L

Organics :

Atrazine	<u>0.70</u>	µg/L
Metolachlor	<u>-</u>	µg/L

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Water Analyst I