

**METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS**

Platte South Plant

Monthly Averages

Source: Finished Water

Date: July 2024

Temperature	<u>20.8</u>	°C
Turbidity (NTU)	<u>0.03</u>	Units
Total Organic Carbon	<u>2.8</u>	mg/L
Color	<u>6</u>	Units
Dissolved Oxygen (O ₂)	<u>4.9</u>	mg/L
Langelier Index	<u>1.50</u>	
UV-ABS @ 254 nm	<u>8.1</u>	ABS/m
Specific Conductance @ 25 °C	<u>494</u>	µmhos
Total Dissolved Solids	<u>383</u>	mg/L

Silica (SiO₂) 26.5 mg/L

pH 9.03 Units

Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>23</u>	mg/L
Total (M)	<u>148</u>	mg/L

Total Hardness (CaCO ₃)	<u>172</u>	mg/L
Carbonate	<u>148</u>	mg/L
Non-carbonate	<u>24</u>	mg/L

Nitrogen (N)		
Ammonia	<u><0.05</u>	mg/L
Nitrite	<u><0.02</u>	mg/L
Nitrate	<u>2.09</u>	mg/L

Chlorine (Cl ₂)		
Free Residual	<u>0.00</u>	mg/L
Total Residual	<u>2.43</u>	mg/L

Surfactants (MBAS) - mg/L

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>52</u>	mg/L
Magnesium	(Mg)	<u>10</u>	mg/L
Sodium	(Na)	<u>32</u>	mg/L
Potassium	(K)	<u>12</u>	mg/L

Anions :			
Bicarbonate	(HCO ₃)	<u>124</u>	mg/L
Carbonate	(CO ₃)	<u>27.6</u>	mg/L
Hydroxide	(OH)	<u>0.1</u>	mg/L
Fluoride	(F)	<u>0.7</u>	mg/L
Chloride	(Cl)	<u>24</u>	mg/L
Bromide	(Br)	<u><0.02</u>	mg/L
Nitrite	(NO ₂)	<u><0.07</u>	mg/L
Nitrate	(NO ₃)	<u>9.26</u>	mg/L
Phosphate	(PO ₄)	<u>0.40</u>	mg/L
Sulfate	(SO ₄)	<u>64</u>	mg/L

Trace Inorganics :			
Aluminum	(Al)	<u><0.01</u>	mg/L
Copper	(Cu)	<u>0.003</u>	mg/L
Iron	(Fe)	<u>0.106</u>	mg/L
Lithium	(Li)	<u>0.021</u>	mg/L
Manganese	(Mn)	<u>0.001</u>	mg/L
Strontium	(Sr)	<u>0.341</u>	mg/L
Zinc	(Zn)	<u><0.005</u>	mg/L

Antimony	(Sb)	<u>< 1.0</u>	µg/L
Arsenic	(As)	<u>4.18</u>	µg/L
Barium	(Ba)	<u>78.8</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>1.29</u>	µg/L
Selenium	(Se)	<u>6.62</u>	µg/L
Thallium	(Tl)	<u>< 1.0</u>	µg/L

Organics :			
Atrazine		<u>2.00</u>	µg/L
Metolachlor		<u>-</u>	µg/L

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