

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

Platte South Plant

Monthly Averages

Source: Finished Water

Date: December 2023

Temperature	<u>16.8</u>	°C
Turbidity (NTU)	<u>0.04</u>	Units
Total Organic Carbon	<u>2.0</u>	mg/L
Color	<u>4</u>	Units
Dissolved Oxygen (O ₂)	<u>5.4</u>	mg/L
Langelier Index	<u>1.32</u>	
UV-ABS @ 254 nm	<u>4.7</u>	ABS/m
Specific Conductance @ 25 °C	<u>498</u>	µmhos
Total Dissolved Solids	<u>387</u>	mg/L
Silica (SiO ₂)	<u>25.8</u>	mg/L
pH	<u>9.01</u>	mg/L
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>17</u>	mg/L
Total (M)	<u>137</u>	mg/L
Total Hardness (CaCO ₃)	<u>152</u>	mg/L
Carbonate	<u>137</u>	mg/L
Non-carbonate	<u>15</u>	mg/L
Nitrogen (N)		
Ammonia	<u><0.05</u>	mg/L
Nitrite	<u><0.02</u>	mg/L
Nitrate	<u>0.58</u>	mg/L
Chlorine (Cl ₂)		
Free Residual	<u>-</u>	mg/L
Total Residual	<u>2.00</u>	mg/L
Surfactants (MBAS)	<u>-</u>	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

Cations :			
Calcium	(Ca)	<u>44</u>	mg/L
Magnesium	(Mg)	<u>10</u>	mg/L
Sodium	(Na)	<u>46</u>	mg/L
Potassium	(K)	<u>8.7</u>	mg/L

Anions :			
Bicarbonate	(HCO ₃)	<u>126</u>	mg/L
Carbonate	(CO ₃)	<u>20.4</u>	mg/L
Hydroxide	(OH)	<u>0.1</u>	mg/L
Fluoride	(F)	<u>0.68</u>	mg/L
Chloride	(Cl)	<u>44</u>	mg/L
Bromide	(Br)	<u>0.02</u>	mg/L
Nitrite	(NO ₂)	<u><0.07</u>	mg/L
Nitrate	(NO ₃)	<u>2.57</u>	mg/L
Phosphate	(PO ₄)	<u>0.52</u>	mg/L
Sulfate	(SO ₄)	<u>58</u>	mg/L

Trace Inorganics :			
Aluminum	(Al)	<u><0.01</u>	mg/L
Copper	(Cu)	<u>0.003</u>	mg/L
Iron	(Fe)	<u>0.078</u>	mg/L
Lithium	(Li)	<u>0.019</u>	mg/L
Manganese	(Mn)	<u><0.001</u>	mg/L
Strontium	(Sr)	<u>0.267</u>	mg/L
Zinc	(Zn)	<u><0.005</u>	mg/L

Antimony	(Sb)	<u>< 1.0</u>	µg/L
Arsenic	(As)	<u>4.21</u>	µg/L
Barium	(Ba)	<u>73.4</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>1.16</u>	µg/L
Selenium	(Se)	<u>< 5.0</u>	µg/L
Thallium	(Tl)	<u>< 1.0</u>	µg/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.

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

N.D. = Not Detected

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