

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: February 2023

Temperature	<u>11.2</u>	° C
Turbidity (NTU)	<u>0.06</u>	Units
Total Organic Carbon	<u>O.O.S.</u>	mg/L
Color	<u>2</u>	Units
Dissolved Oxygen (O ₂)	<u>7.7</u>	mg/L
Langelier Index	<u>1.03</u>	
UV-ABS @ 254 nm	<u>4.5</u>	ABS/m
Specific Conductance @ 25 °C	<u>448</u>	mmhos
Dissolved Solids (Calculated)	<u>299</u>	mg/L

Silica (SiO₂) 36 mg/L

pH 8.97 mg/L

Alkalinity (CaCO ₃)	
Phenolphthalein (P)	<u>19</u> mg/L
Total (M)	<u>122</u> mg/L

Total Hardness (CaCO ₃)	<u>125</u> mg/L
Carbonate	<u>122</u> mg/L
Non-carbonate	<u>3</u> mg/L

Nitrogen (N)	
Ammonia	<u><0.05</u> mg/L
Nitrite	<u><0.02</u> mg/L
Nitrate	<u>0.63</u> mg/L

Chlorine (Cl ₂)	
Free Residual	<u>0.00</u> mg/L
Total Residual	<u>2.10</u> mg/L

Surfactants (MBAS) - mg/L

Trace Inorganics:	
Iron (total)	<u><0.02</u> mg/L
Iron (dissolved)	<u>-</u> mg/L
Manganese (total)	<u><0.02</u> mg/L
Manganese (dissolved)	<u>-</u> mg/L

Cations :	
Calcium (Ca)	<u>36</u> mg/L
Magnesium (Mg)	<u>7.8</u> mg/L
Sodium (Na)	<u>27</u> mg/L
Potassium (K)	<u>8.7</u> mg/L

Anions :	
Bicarbonate (HCO ₃)	<u>102</u> mg/L
Carbonate (CO ₃)	<u>22.8</u> mg/L
Hydroxide (OH)	<u><0.1</u> mg/L
Fluoride (F)	<u>0.6</u> mg/L
Chloride (Cl)	<u>15</u> mg/L
Bromide (Br)	<u><0.02</u> mg/L
Nitrite (NO ₂)	<u><0.07</u> mg/L
Nitrate (NO ₃)	<u>2.79</u> mg/L
Phosphate-ortho (PO ₄)	<u>0.26</u> mg/L
Sulfate (SO ₄)	<u>39</u> mg/L

Trace Inorganics :	
Aluminum (Al)	<u><0.01</u> mg/L
Copper (Cu)	<u>0.002</u> mg/L
Iron (Fe)	<u><0.02</u> mg/L
Lithium (Li)	<u>0.02</u> mg/L
Manganese (Mn)	<u><0.02</u> mg/L
Strontium (Sr)	<u>0.288</u> mg/L
Zinc (Zn)	<u><0.005</u> mg/L

Antimony (Sb)	<u><1.0</u> µg/L
Arsenic (As)	<u>5.56</u> µg/L
Barium (Ba)	<u>65.5</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>1.01</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:
TC - 0.00%; E. coli - Absent
Giardia O.O.S. Cryptosporidium O.O.S.
O.O.S. = Out of Service
N. D. = Not Detected

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

Brent Paine
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