

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

Platte South Plant

Monthly Averages

Source: Finished Water

Date: March 2023

Temperature	<u>9.2</u>	°C
Turbidity (NTU)	<u>0.07</u>	Units
Total Organic Carbon	<u>2.8</u>	mg/L
Color	<u>4</u>	Units
Dissolved Oxygen (O ₂)	<u>7.4</u>	mg/L
Langelier Index	<u>1.42</u>	
UV-ABS @ 254 nm	<u>8.1</u>	ABS/m
Specific Conductance @ 25 °C	<u>508</u>	µmhos
Total Dissolved Solids	<u>412</u>	mg/L

Silica (SiO₂) 31.0 mg/L

pH 9.16 mg/L

Alkalinity (CaCO₃)

Phenolphthalein (P) 23 mg/L

Total (M) 155 mg/L

Total Hardness (CaCO₃) 171 mg/L

Carbonate 155 mg/L

Non-carbonate 16 mg/L

Nitrogen (N)

Ammonia <0.05 mg/L

Nitrite <0.02 mg/L

Nitrate 1.66 mg/L

Chlorine (Cl₂)

Free Residual 0.00 mg/L

Total Residual 2.07 mg/L

Surfactants (MBAS) - mg/L

Radioactivity :

Gross Alpha & Beta - pCi/L

Iodine 131 - pCi/L

Radium 226 - pCi/L

Strontium 90 - pCi/L

Tritium - pCi/L

Cations :

Calcium (Ca) 46 mg/L

Magnesium (Mg) 13 mg/L

Sodium (Na) 46 mg/L

Potassium (K) 7.2 mg/L

Anions :

Bicarbonate (HCO₃) 133 mg/L

Carbonate (CO₃) 27.6 mg/L

Hydroxide (OH) <0.1 mg/L

Fluoride (F) 0.7 mg/L

Chloride (Cl) 44 mg/L

Bromide (Br) <0.02 mg/L

Nitrite (NO₂) <0.07 mg/L

Nitrate (NO₃) 7.35 mg/L

Phosphate (PO₄) 0.63 mg/L

Sulfate (SO₄) 54 mg/L

Trace Inorganics :

Aluminum (Al) <0.01 mg/L

Copper (Cu) 0.003 mg/L

Iron (Fe) 0.110 mg/L

Lithium (Li) 0.018 mg/L

Manganese (Mn) 0.004 mg/L

Strontium (Sr) 0.291 mg/L

Zinc (Zn) <0.005 mg/L

Antimony (Sb) < 1.0 µg/L

Arsenic (As) 5.85 µg/L

Barium (Ba) 86.9 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) 1.42 µg/L

Selenium (Se) < 5.0 µg/L

Thallium (Tl) < 1.0 µg/L

Organics :

Atrazine - µg/L

Metolachlor - 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.

N.D. = Not Detected

Gwen Klug

Water Analyst I