

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

Platte South Plant

Monthly Averages

Source: Finished Water

Date: February 2023

Temperature 10.0 °C
 Turbidity (NTU) 0.04 Units
 Total Organic Carbon 1.5 mg/L
 Color 1 Units
 Dissolved Oxygen (O₂) 7.4 mg/L
 Langelier Index 1.37
 UV-ABS @ 254 nm 5.2 ABS/m
 Specific Conductance @ 25 °C 548 µmhos
 Total Dissolved Solids 433 mg/L

Silica (SiO₂) 30.3 mg/L

pH 9.12 mg/L

Alkalinity (CaCO₃)
 Phenolphthalein (P) 23 mg/L
 Total (M) 157 mg/L

Total Hardness (CaCO₃) 170 mg/L
 Carbonate 157 mg/L
 Non-carbonate 13 mg/L

Nitrogen (N)
 Ammonia <0.05 mg/L
 Nitrite <0.02 mg/L
 Nitrate 1.56 mg/L

Chlorine (Cl₂)
 Free Residual 0.00 mg/L
 Total Residual 2.04 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

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) 45 mg/L
 Magnesium (Mg) 14 mg/L
 Sodium (Na) 58 mg/L
 Potassium (K) 6.9 mg/L

Anions :
 Bicarbonate (HCO₃) 135 mg/L
 Carbonate (CO₃) 27.6 mg/L
 Hydroxide (OH) <0.1 mg/L
 Fluoride (F) 0.7 mg/L
 Chloride (Cl) 53 mg/L
 Bromide (Br) 0.02 mg/L
 Nitrite (NO₂) <0.07 mg/L
 Nitrate (NO₃) 6.91 mg/L
 Phosphate (PO₄) 0.67 mg/L
 Sulfate (SO₄) 54 mg/L

Trace Inorganics :
 Aluminum (Al) <0.01 mg/L
 Copper (Cu) 0.002 mg/L
 Iron (Fe) 0.096 mg/L
 Lithium (Li) 0.020 mg/L
 Manganese (Mn) 0.001 mg/L
 Strontium (Sr) 0.288 mg/L
 Zinc (Zn) <0.005 mg/L

Antimony (Sb) < 1.0 µg/L
 Arsenic (As) 5.56 µg/L
 Barium (Ba) 65.5 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) 1.01 µg/L
 Selenium (Se) < 5.0 µg/L
 Thallium (Tl) < 1.0 µg/L

Organics :
 Atrazine - µg/L
 Metolachlor - µg/L

Gwen Klug

Water Analyst I