

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

Platte South Plant

Monthly Averages

Source: Finished Water

Date: July 2025

|                                    |             |       |
|------------------------------------|-------------|-------|
| Temperature                        | <u>20.9</u> | °C    |
| Turbidity (NTU)                    | <u>0.03</u> | Units |
| Total Organic Carbon               | <u>2.3</u>  | mg/L  |
| Color                              | <u>6</u>    | Units |
| Dissolved Oxygen (O <sub>2</sub> ) | <u>5.2</u>  | mg/L  |
| Langelier Index                    | <u>1.41</u> |       |
| UV-ABS @ 254 nm                    | <u>7.7</u>  | ABS/m |
| Specific Conductance @ 25 °C       | <u>475</u>  | µmhos |
| Total Dissolved Solids             | <u>364</u>  | mg/L  |

Silica (SiO<sub>2</sub>) 24.5 mg/L

pH 9.04 Units

Alkalinity (CaCO<sub>3</sub>)  
 Phenolphthalein (P) 20 mg/L  
 Total (M) 135 mg/L

Total Hardness (CaCO<sub>3</sub>) 153 mg/L  
 Carbonate 135 mg/L  
 Non-carbonate 18 mg/L

Nitrogen (N)  
 Ammonia <0.05 mg/L  
 Nitrite <0.02 mg/L  
 Nitrate 1.30 mg/L

Chlorine (Cl<sub>2</sub>)  
 Free Residual - mg/L  
 Total Residual 2.44 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) 10 mg/L  
 Sodium (Na) 37 mg/L  
 Potassium (K) 9.2 mg/L

Anions :  
 Bicarbonate (HCO<sub>3</sub>) 116 mg/L  
 Carbonate (CO<sub>3</sub>) 24.0 mg/L  
 Hydroxide (OH) 0.1 mg/L  
 Fluoride (F) 0.74 mg/L  
 Chloride (Cl) 28 mg/L  
 Bromide (Br) <0.02 mg/L  
 Nitrite (NO<sub>2</sub>) <0.07 mg/L  
 Nitrate (NO<sub>3</sub>) 5.76 mg/L  
 Phosphate (PO<sub>4</sub>) 0.45 mg/L  
 Sulfate (SO<sub>4</sub>) 63 mg/L

Trace Inorganics :  
 Aluminum (Al) <0.01 mg/L  
 Copper (Cu) 0.003 mg/L  
 Iron (Fe) 0.089 mg/L  
 Lithium (Li) 0.023 mg/L  
 Manganese (Mn) 0.001 mg/L  
 Strontium (Sr) 0.260 mg/L  
 Zinc (Zn) <0.005 mg/L

Antimony (Sb) < 1.0 µg/L  
 Arsenic (As) 4.10 µg/L  
 Barium (Ba) 73.3 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) 1.32 µg/L  
 Selenium (Se) < 5.0 µg/L  
 Thallium (Tl) < 1.0 µg/L

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

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 Water Analyst I