

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

Platte South Plant

Monthly Averages

Source: Finished Water

Date: August 2026

|                                    |             |       |
|------------------------------------|-------------|-------|
| Temperature                        | <u>23.2</u> | °C    |
| Turbidity (NTU)                    | <u>0.03</u> | Units |
| Total Organic Carbon               | <u>2.2</u>  | mg/L  |
| Color                              | <u>4</u>    | Units |
| Dissolved Oxygen (O <sub>2</sub> ) | <u>4.7</u>  | mg/L  |
| Langelier Index                    | <u>1.45</u> |       |
| UV-ABS @ 254 nm                    | <u>5.8</u>  | ABS/m |
| Specific Conductance @ 25 °C       | <u>575</u>  | µmhos |
| Total Dissolved Solids             | <u>393</u>  | mg/L  |

|                            |           |      |
|----------------------------|-----------|------|
| Silica (SiO <sub>2</sub> ) | <u>24</u> | mg/L |
|----------------------------|-----------|------|

|    |             |      |
|----|-------------|------|
| pH | <u>9.09</u> | mg/L |
|----|-------------|------|

|                                 |            |      |
|---------------------------------|------------|------|
| Alkalinity (CaCO <sub>3</sub> ) |            |      |
| Phenolphthalein (P)             | <u>24</u>  | mg/L |
| Total (M)                       | <u>135</u> | mg/L |

|                                     |            |      |
|-------------------------------------|------------|------|
| Total Hardness (CaCO <sub>3</sub> ) | <u>145</u> | mg/L |
| Carbonate                           | <u>135</u> | mg/L |
| Non-carbonate                       | <u>10</u>  | mg/L |

|              |                 |      |
|--------------|-----------------|------|
| Nitrogen (N) |                 |      |
| Ammonia      | <u>&lt;0.05</u> | mg/L |
| Nitrite      | <u>&lt;0.02</u> | mg/L |
| Nitrate      | <u>0.27</u>     | mg/L |

|                             |             |      |
|-----------------------------|-------------|------|
| Chlorine (Cl <sub>2</sub> ) |             |      |
| Free Residual               | <u>-</u>    | mg/L |
| Total Residual              | <u>2.44</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 |

Bacteriological Quality : Distribution System

Meets U.S.E.P.A. drinking water standards:

T. Coli - 0.00%; E. Coli - Absent

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|           |      |                 |
|-----------|------|-----------------|
| Cations : |      |                 |
| Calcium   | (Ca) | <u>44</u> mg/L  |
| Magnesium | (Mg) | <u>8.7</u> mg/L |
| Sodium    | (Na) | <u>53</u> mg/L  |
| Potassium | (K)  | <u>9.4</u> mg/L |

|             |                     |                      |
|-------------|---------------------|----------------------|
| Anions :    |                     |                      |
| Bicarbonate | (HCO <sub>3</sub> ) | <u>106</u> mg/L      |
| Carbonate   | (CO <sub>3</sub> )  | <u>28.8</u> mg/L     |
| Hydroxide   | (OH)                | <u>0.2</u> mg/L      |
| Fluoride    | (F)                 | <u>0.71</u> mg/L     |
| Chloride    | (Cl)                | <u>57</u> mg/L       |
| Bromide     | (Br)                | <u>&lt;0.02</u> mg/L |
| Nitrite     | (NO <sub>2</sub> )  | <u>&lt;0.07</u> mg/L |
| Nitrate     | (NO <sub>3</sub> )  | <u>1.20</u> mg/L     |
| Phosphate   | (PO <sub>4</sub> )  | <u>0.43</u> mg/L     |
| Sulfate     | (SO <sub>4</sub> )  | <u>59</u> mg/L       |

|                    |      |                       |
|--------------------|------|-----------------------|
| Trace Inorganics : |      |                       |
| Aluminum           | (Al) | <u>&lt;0.01</u> mg/L  |
| Copper             | (Cu) | <u>0.001</u> mg/L     |
| Iron               | (Fe) | <u>0.095</u> mg/L     |
| Lithium            | (Li) | <u>0.021</u> mg/L     |
| Manganese          | (Mn) | <u>&lt;0.001</u> mg/L |
| Strontium          | (Sr) | <u>0.265</u> mg/L     |
| Zinc               | (Zn) | <u>&lt;0.005</u> mg/L |

|           |      |                      |
|-----------|------|----------------------|
| Antimony  | (Sb) | <u>&lt; 1.0</u> µg/L |
| Arsenic   | (As) | <u>4.10</u> µg/L     |
| Barium    | (Ba) | <u>71.1</u> µg/L     |
| Beryllium | (Be) | <u>&lt; 1.0</u> µg/L |
| Cadmium   | (Cd) | <u>&lt; 1.0</u> µg/L |
| Chromium  | (Cr) | <u>&lt; 1.0</u> µg/L |
| Lead      | (Pb) | <u>&lt; 1.0</u> µg/L |
| Mercury   | (Hg) | <u>-</u> µg/L        |
| Nickel    | (Ni) | <u>1.30</u> µg/L     |
| Selenium  | (Se) | <u>&lt; 5.0</u> µg/L |
| Thallium  | (Tl) | <u>&lt; 1.0</u> µg/L |

Organics :

|             |          |      |
|-------------|----------|------|
| Atrazine    | <u>-</u> | µg/L |
| Metolachlor | <u>-</u> | µg/L |

**Renate Alumbaugh**

Water Analyst I