

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: October 2023

|                                     |                 |       |
|-------------------------------------|-----------------|-------|
| Temperature                         | <u>18.0</u>     | ° C   |
| Turbidity (NTU)                     | <u>0.04</u>     | Units |
| Total Organic Carbon                | <u>1.9</u>      | mg/L  |
| Color                               | <u>2</u>        | Units |
| Dissolved Oxygen (O <sub>2</sub> )  | <u>6.3</u>      | mg/L  |
| Langelier Index                     | <u>1.18</u>     |       |
| UV-ABS @ 254 nm                     | <u>4.9</u>      | ABS/m |
| Specific Conductance @ 25 °C        | <u>446</u>      | mmhos |
| Dissolved Solids (Calculated)       | <u>374</u>      | mg/L  |
| <br>                                |                 |       |
| Silica (SiO <sub>2</sub> )          | <u>30.9</u>     | mg/L  |
| <br>                                |                 |       |
| pH                                  | <u>8.84</u>     | mg/L  |
| <br>                                |                 |       |
| Alkalinity (CaCO <sub>3</sub> )     |                 |       |
| Phenolphthalein (P)                 | <u>12</u>       | mg/L  |
| Total (M)                           | <u>130</u>      | mg/L  |
| <br>                                |                 |       |
| Total Hardness (CaCO <sub>3</sub> ) | <u>154</u>      | mg/L  |
| Carbonate                           | <u>130</u>      | mg/L  |
| Non-carbonate                       | <u>24</u>       | mg/L  |
| <br>                                |                 |       |
| Nitrogen (N)                        |                 |       |
| Ammonia                             | <u>&lt;0.05</u> | mg/L  |
| Nitrite                             | <u>&lt;0.02</u> | mg/L  |
| Nitrate                             | <u>0.44</u>     | mg/L  |
| <br>                                |                 |       |
| Chlorine (Cl <sub>2</sub> )         |                 |       |
| Free Residual                       | <u>0.01</u>     | mg/L  |
| Total Residual                      | <u>2.48</u>     | mg/L  |
| <br>                                |                 |       |
| Surfactants (MBAS)                  | <u>-</u>        | mg/L  |
| <br>                                |                 |       |
| Trace Inorganics:                   |                 |       |
| Iron (total)                        | <u>&lt;0.02</u> | mg/L  |
| Iron (dissolved)                    | <u>-</u>        | mg/L  |
| Manganese (total)                   | <u>&lt;0.02</u> | mg/L  |
| Manganese (dissolved)               | <u>-</u>        | mg/L  |

|                    |                     |                  |      |
|--------------------|---------------------|------------------|------|
| Cations :          |                     |                  |      |
| Calcium            | (Ca)                | <u>47</u>        | mg/L |
| Magnesium          | (Mg)                | <u>8.5</u>       | mg/L |
| Sodium             | (Na)                | <u>33</u>        | mg/L |
| Potassium          | (K)                 | <u>9.3</u>       | mg/L |
| <br>               |                     |                  |      |
| Anions :           |                     |                  |      |
| Bicarbonate        | (HCO <sub>3</sub> ) | <u>129</u>       | mg/L |
| Carbonate          | (CO <sub>3</sub> )  | <u>14.4</u>      | mg/L |
| Hydroxide          | (OH)                | <u>&lt;0.1</u>   | mg/L |
| Fluoride           | (F)                 | <u>0.7</u>       | mg/L |
| Chloride           | (Cl)                | <u>19</u>        | mg/L |
| Bromide            | (Br)                | <u>0.02</u>      | mg/L |
| Nitrite            | (NO <sub>2</sub> )  | <u>&lt;0.07</u>  | mg/L |
| Nitrate            | (NO <sub>3</sub> )  | <u>1.95</u>      | mg/L |
| Phosphate-ortho    | (PO <sub>4</sub> )  | <u>0.32</u>      | mg/L |
| Sulfate            | (SO <sub>4</sub> )  | <u>79</u>        | mg/L |
| <br>               |                     |                  |      |
| Trace Inorganics : |                     |                  |      |
| Aluminum           | (Al)                | <u>&lt;0.01</u>  | mg/L |
| Copper             | (Cu)                | <u>0.001</u>     | mg/L |
| Iron               | (Fe)                | <u>&lt;0.02</u>  | mg/L |
| Lithium            | (Li)                | <u>0.019</u>     | mg/L |
| Manganese          | (Mn)                | <u>&lt;0.02</u>  | mg/L |
| Strontium          | (Sr)                | <u>0.296</u>     | mg/L |
| Zinc               | (Zn)                | <u>&lt;0.005</u> | mg/L |
| <br>               |                     |                  |      |
| Antimony           | (Sb)                | <u>&lt;1.0</u>   | µg/L |
| Arsenic            | (As)                | <u>3.41</u>      | µg/L |
| Barium             | (Ba)                | <u>71.4</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>1.25</u>      | µg/L |
| Selenium           | (Se)                | <u>&lt;5.0</u>   | µg/L |
| Thallium           | (Tl)                | <u>&lt;1.0</u>   | µg/L |

Bacteriological Quality : Distribution System  
Meets U.S.E.P.A. drinking water standards:  
TC - 0.33%; E. coli - Absent  
Giardia - N.D. Cryptosporidium - N.D.

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

N. D. = Not Detected

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