

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

Platte South Plant

Monthly Averages

Source: Finished Water

Date: October 2022

| | | |
|-------------------------------------|-----------------|-------|
| Temperature | <u>20.8</u> | °C |
| Turbidity (NTU) | <u>0.03</u> | Units |
| Total Organic Carbon | <u>1.9</u> | mg/L |
| Color | <u>1</u> | Units |
| Dissolved Oxygen (O ₂) | <u>4.9</u> | mg/L |
| Langelier Index | <u>1.29</u> | |
| UV-ABS @ 254 nm | <u>5.1</u> | ABS/m |
| Specific Conductance @ 25 °C | <u>643</u> | µmhos |
| Total Dissolved Solids | <u>446</u> | mg/L |
| | | |
| Silica (SiO ₂) | <u>23.4</u> | mg/L |
| | | |
| pH | <u>9.01</u> | mg/L |
| | | |
| Alkalinity (CaCO ₃) | | |
| Phenolphthalein (P) | <u>17</u> | mg/L |
| Total (M) | <u>131</u> | mg/L |
| | | |
| Total Hardness (CaCO ₃) | <u>142</u> | mg/L |
| Carbonate | <u>131</u> | mg/L |
| Non-carbonate | <u>11</u> | mg/L |
| | | |
| Nitrogen (N) | | |
| Ammonia | <u>0.03</u> | mg/L |
| Nitrite | <u><0.02</u> | mg/L |
| Nitrate | <u>0.26</u> | mg/L |
| | | |
| Chlorine (Cl ₂) | | |
| Free Residual | <u>0.00</u> | mg/L |
| Total Residual | <u>2.39</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 |

| | | | |
|-----------|------|------------|------|
| Cations : | | | |
| Calcium | (Ca) | <u>40</u> | mg/L |
| Magnesium | (Mg) | <u>10</u> | mg/L |
| Sodium | (Na) | <u>79</u> | mg/L |
| Potassium | (K) | <u>9.1</u> | mg/L |

| | | | |
|-------------|---------------------|-----------------|------|
| Anions : | | | |
| Bicarbonate | (HCO ₃) | <u>118</u> | mg/L |
| Carbonate | (CO ₃) | <u>20.4</u> | mg/L |
| Hydroxide | (OH) | <u>0.1</u> | mg/L |
| Fluoride | (F) | <u>0.75</u> | mg/L |
| Chloride | (Cl) | <u>86</u> | mg/L |
| Bromide | (Br) | <u>0.02</u> | mg/L |
| Nitrite | (NO ₂) | <u><0.07</u> | mg/L |
| Nitrate | (NO ₃) | <u>1.15</u> | mg/L |
| Phosphate | (PO ₄) | <u>0.46</u> | mg/L |
| Sulfate | (SO ₄) | <u>56</u> | mg/L |

| | | | |
|--------------------|------|------------------|------|
| Trace Inorganics : | | | |
| Aluminum | (Al) | <u><0.01</u> | mg/L |
| Copper | (Cu) | <u>0.003</u> | mg/L |
| Iron | (Fe) | <u>0.070</u> | mg/L |
| Lithium | (Li) | <u>0.020</u> | mg/L |
| Manganese | (Mn) | <u><0.001</u> | mg/L |
| Strontium | (Sr) | <u>0.244</u> | mg/L |
| Zinc | (Zn) | <u><0.005</u> | mg/L |

| | | | |
|-----------|------|-----------------|------|
| Antimony | (Sb) | <u>< 1.0</u> | µg/L |
| Arsenic | (As) | <u>4.64</u> | µg/L |
| Barium | (Ba) | <u>58.3</u> | µg/L |
| Beryllium | (Be) | <u>< 1.0</u> | µg/L |
| Cadmium | (Cd) | <u>< 1.0</u> | µg/L |
| Chromium | (Cr) | <u>< 1.0</u> | µg/L |
| Lead | (Pb) | <u>< 1.0</u> | µg/L |
| Mercury | (Hg) | <u>-</u> | µg/L |
| Nickel | (Ni) | <u>1.36</u> | µg/L |
| Selenium | (Se) | <u>< 5.0</u> | µg/L |
| Thallium | (Tl) | <u>< 1.0</u> | µg/L |

Bacteriological Quality : Distribution System
Meets U.S.E.P.A. drinking water standards:
T. Coli - 0.34%; E. Coli - Absent
Giardia - N.D. Cryptosporidium - N.D.

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

N.D. = Not Detected

Gwen Klug
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