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

Platte West Plant — Monthly Averages

Source: Finished Water — Date: February 2017

| | | |
|---|---|---|
| Temperature | 14.7 | ° C |
| Turbidity (NTU) | 0.07 | Units |
| Total Organic Carbon | 2.0 | mg/L |
| Color | 3 | Units |
| Dissolved Oxygen ($O_2$) | 4.2 | mg/L |
| Langelier Index | 0.98 | |
| UV-ABS @ 254 nm | 3.9 | ABS/m |
| Specific Conductance @ 25 °C | 498 | µmhos |
| Dissolved Solids (Calculated) | 412 | mg/L |
| Silica ($SiO_2$) | 33.3 | mg/L |
| pH | 8.73 | mg/L |
| Alkalinity ($CaCO_3$) | | |
| Phenolphthalein (P) | 10 | mg/L |
| Total (M) | 121 | mg/L |
| Total Hardness ($CaCO_3$) | 168 | mg/L |
| Carbonate | 121 | mg/L |
| Non-carbonate | 47 | mg/L |
| Nitrogen (N) | | |
| Ammonia | 0.04 | mg/L |
| Nitrite | - | mg/L |
| Nitrate | 0.74 | mg/L |
| Chlorine ($Cl_2$) | | |
| Free Residual | 0.00 | mg/L |
| Total Residual | 2.15 | mg/L |
| Surfactants (MBAS) | - | mg/L |
| Trace Inorganics: | | |
| Iron (total) | <0.02 | mg/L |
| Iron (dissolved) | - | mg/L |
| Manganese (total) | <0.006 | mg/L |
| Manganese (dissolved) | - | mg/L |
| | - | mg/L |

Cations :

| | | | |
|---|---|---|---|
| Calcium | (Ca) | 46 | mg/L |
| Magnesium | (Mg) | 13 | mg/L |
| Sodium | (Na) | 44 | mg/L |
| Potassium | (K) | 11 | mg/L |

Anions :

| | | | |
|---|---|---|---|
| Bicarbonate | ($HCO_3$) | 123 | mg/L |
| Carbonate | ($CO_3$) | 12 | mg/L |
| Hydroxide | (OH) | - | mg/L |
| Fluoride | (F) | 0.90 | mg/L |
| Chloride | (Cl) | 21 | mg/L |
| Bromide | (Br) | - | mg/L |
| Nitrite | ($NO_2$) | - | mg/L |
| Nitrate | ($NO_3$) | 3.28 | mg/L |
| Phosphate-ortho | ($PO_4$) | 0.13 | mg/L |
| | | | mg/L |
| Sulfate | ($SO_4$) | 105 | mg/L |

Trace Inorganics :

| | | | |
|---|---|---|---|
| Aluminum | (Al) | < 0.01 | mg/L |
| Copper | (Cu) | < 0.01 | mg/L |
| Iron | (Fe) | <0.02 | mg/L |
| Lithium | (Li) | 0.02 | mg/L |
| Manganese | (Mn) | <0.006 | mg/L |
| Strontium | (Sr) | 0.32 | mg/L |
| Zinc | (Zn) | < 0.01 | mg/L |
| Antimony | (Sb) | < 1.0 | µg/L |
| Arsenic | (As) | 4.63 | µg/L |
| Barium | (Ba) | 89.2 | 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) | < 1.0 | µg/L |
| Selenium | (Se) | < 5.0 | µg/L |
| Thallium | (Tl) | < 1.0 | µg/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.

Organics :

| | | |
|---|---|---|
| Atrazine | | µg/L |
| Metolachlor | | µg/L |

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