

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: February 2022

Temperature	13.2	° C
Turbidity (NTU)	0.04	Units
Total Organic Carbon	2.0	mg/L
Color	2	Units
Dissolved Oxygen (O <sub>2</sub> )	7.5	mg/L
Langelier Index	1.23	
UV-ABS @ 254 nm	4.9	ABS/m
Specific Conductance @ 25 °C	444	mmhos
Dissolved Solids (Calculated)	368	mg/L
Silica (SiO <sub>2</sub> )	31	mg/L
pH	8.96	mg/L
Alkalinity (CaCO <sub>3</sub> )		
Phenolphthalein (P)	17	mg/L
Total (M)	136	mg/L
Total Hardness (CaCO <sub>3</sub> )	155	mg/L
Carbonate	136	mg/L
Non-carbonate	19	mg/L
Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	<0.02	mg/L
Nitrate	0.69	mg/L
Chlorine (Cl <sub>2</sub> )		
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)	<0.02	mg/L
Manganese (dissolved)	-	mg/L

Cations :			
Calcium	(Ca)	46	mg/L
Magnesium	(Mg)	10.0	mg/L
Sodium	(Na)	31	mg/L
Potassium	(K)	9.6	mg/L

Anions :			
Bicarbonate	(HCO <sub>3</sub> )	124	mg/L
Carbonate	(CO <sub>3</sub> )	20.4	mg/L
Hydroxide	(OH)	<0.1	mg/L
Fluoride	(F)	0.69	mg/L
Chloride	(Cl)	17	mg/L
Bromide	(Br)	<0.02	mg/L
Nitrite	(NO <sub>2</sub> )	<0.07	mg/L
Nitrate	(NO <sub>3</sub> )	3.06	mg/L
Phosphate-ortho	(PO <sub>4</sub> )	0.32	mg/L
Sulfate	(SO <sub>4</sub> )	75	mg/L

Trace Inorganics :			
Aluminum	(Al)	<0.01	mg/L
Copper	(Cu)	<0.001	mg/L
Iron	(Fe)	<0.02	mg/L
Lithium	(Li)	0.018	mg/L
Manganese	(Mn)	<0.02	mg/L
Strontium	(Sr)	0.288	mg/L
Zinc	(Zn)	<0.005	mg/L

Antimony	(Sb)	<1.0	mg/L
Arsenic	(As)	3.43	mg/L
Barium	(Ba)	70.5	mg/L
Beryllium	(Be)	<1.0	mg/L
Cadmium	(Cd)	<1.0	mg/L
Chromium	(Cr)	<1.0	mg/L
Lead	(Pb)	<1.0	mg/L
Mercury	(Hg)	-	mg/L
Nickel	(Ni)	<1.0	mg/L
Selenium	(Se)	<5.0	mg/L
Thallium	(Tl)	<1.0	mg/L

Bacteriological Quality : Distribution System  
Meets U.S.E.P.A. drinking water standards:  
TC - 0.00%; E. coli - Absent  
Giardia - N.D. Cryptosporidium - N.D.

Organics :  
 Atrazine \_\_\_\_\_ mg/L  
 Metolachlor \_\_\_\_\_ mg/L

N. D. = Not Detected

**Brent Paine**  
 Water Analyst