

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

Platte Plant South

Monthly Averages

Source: Finished Water

Date: July 2019

Temperature	19.3	° C
Turbidity (NTU)	0.07	Units
Total Organic Carbon	3.1	mg/L
Color	6	Units
Dissolved Oxygen (O <sub>2</sub> )	3.9	mg/L
Langelier Index	1.22	
UV-ABS @ 254 nm	9.3	ABS/m
Specific Conductance @ 25 °C	518	µmhos
Total Dissolved Solids	393	mg/L
Silica (SiO <sub>2</sub> )	23.6	mg/L
pH	8.76	mg/L
Alkalinity (CaCO <sub>3</sub> )		
Phenolphthalein (P)	12	mg/L
Total (M)	140	mg/L
Total Hardness (CaCO <sub>3</sub> )	171	mg/L
Carbonate	140	mg/L
Non-carbonate	31	mg/L
Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	0.02	mg/L
Nitrate	1.38	mg/L
Chlorine (Cl <sub>2</sub> )		
Free Residual	0.00	mg/L
Total Residual	2.40	mg/L
Surfactants (MBAS)		mg/L
Radioactivity :		
Gross Alpha & Beta		pCi/L
Iodine 131		pCi/L
Radium 226		pCi/L
Strontium 90		pCi/L
Tritium		pCi/L

Cations :			
Calcium	(Ca)	52	mg/L
Magnesium	(Mg)	12	mg/L
Sodium	(Na)	24	mg/L
Potassium	(K)	10	mg/L

Anions :			
Bicarbonate	(HCO <sub>3</sub> )	142	mg/L
Carbonate	(CO <sub>3</sub> )	14.4	mg/L
Hydroxide	(OH)	0.06	mg/L
Fluoride	(F)	0.75	mg/L
Chloride	(Cl)	28	mg/L
Bromide	(Br)	0.03	mg/L
Nitrite	(NO <sub>2</sub> )	0.07	mg/L
Nitrate	(NO <sub>3</sub> )	6.11	mg/L
Phosphate-ortho	(PO <sub>4</sub> )	0.41	mg/L
Sulfate	(SO <sub>4</sub> )	79	mg/L

Trace Inorganics :			
Aluminum	(Al)	<0.01	mg/L
Copper	(Cu)	<0.01	mg/L
Iron	(Fe)	0.01	mg/L
Lithium	(Li)	0.02	mg/L
Manganese	(Mn)	0.02	mg/L
Strontium	(Sr)	0.32	mg/L
Zinc	(Zn)	<0.01	mg/L

Antimony	(Sb)	<1.0	µg/L
Arsenic	(As)	3.58	µg/L
Barium	(Ba)	80.1	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)	1.65	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

Crystal Badger  
Water Analyst