

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

Platte Plant South

Monthly Averages

Source: Finished Water

Date: January 2019

Temperature	13.0	° C
Turbidity (NTU)	0.06	Units
Total Organic Carbon	2.2	mg/L
Color	6	Units
Dissolved Oxygen (O <sub>2</sub> )	5.8	mg/L
Langelier Index	1.24	
UV-ABS @ 254 nm	5.4	ABS/m
Specific Conductance @ 25 °C	516	µmhos
Total Dissolved Solids	280	mg/L
Silica (SiO <sub>2</sub> )	21.3	mg/L
pH	8.92	mg/L
Alkalinity (CaCO <sub>3</sub> )		
Phenolphthalein (P)	15	mg/L
Total (M)	141	mg/L
Total Hardness (CaCO <sub>3</sub> )	176	mg/L
Carbonate	141	mg/L
Non-carbonate	35	mg/L
Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	-	mg/L
Nitrate	-	mg/L
Chlorine (Cl <sub>2</sub> )		
Free Residual	0.00	mg/L
Total Residual	2.04	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)	46	mg/L
Magnesium	(Mg)	15	mg/L
Sodium	(Na)	36	mg/L
Potassium	(K)	7	mg/L

Anions :			
Bicarbonate	(HCO <sub>3</sub> )	135	mg/L
Carbonate	(CO <sub>3</sub> )	18.0	mg/L
Hydroxide	(OH)	<0.1	mg/L
Fluoride	(F)	0.80	mg/L
Chloride	(Cl)	-	mg/L
Bromide	(Br)	-	mg/L
Nitrite	(NO <sub>2</sub> )	-	mg/L
Nitrate	(NO <sub>3</sub> )	-	mg/L
Phosphate-ortho	(PO <sub>4</sub> )	-	mg/L
Sulfate	(SO <sub>4</sub> )	-	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)	0.01	mg/L
Strontium	(Sr)	0.26	mg/L
Zinc	(Zn)	< 0.01	mg/L

Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	2.73	µg/L
Barium	(Ba)	64.5	µg/L
Beryllium	(Be)	< 1.0	µg/L
Cadmium	(Cd)	< 1.0	µg/L
Chromium	(Cr)	1.47	µg/L
Lead	(Pb)	< 1.0	µg/L
Mercury	(Hg)	-	µg/L
Nickel	(Ni)	1.19	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 - Cryptosporidium -

Organics :	
Atrazine	_____ µg/L
Metolachlor	_____ µg/L

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