

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: December 2017

Temperature	15.8	° C
Turbidity (NTU)	0.07	Units
Total Organic Carbon	1.9	mg/L
Color	3	Units
Dissolved Oxygen (O <sub>2</sub> )	4.5	mg/L
Langelier Index	1.08	
UV-ABS @ 254 nm	3.7	ABS/m
Specific Conductance @ 25 °C	480	µmhos
Dissolved Solids (Calculated)	393	mg/L
Silica (SiO <sub>2</sub> )	30.2	mg/L
pH	8.78	mg/L
Alkalinity (CaCO <sub>3</sub> )		
Phenolphthalein (P)	12	mg/L
Total (M)	125	mg/L
Total Hardness (CaCO <sub>3</sub> )	165	mg/L
Carbonate	125	mg/L
Non-carbonate	40	mg/L
Nitrogen (N)		
Ammonia	0.05	mg/L
Nitrite	-	mg/L
Nitrate	0.42	mg/L
Chlorine (Cl <sub>2</sub> )		
Free Residual	0.00	mg/L
Total Residual	2.20	mg/L
Surfactants (MBAS)	-	mg/L
Trace Inorganics:		
Iron (total)	<0.02	mg/L
Iron (dissolved)	-	mg/L
Manganese (total)	0.012	mg/L
Manganese (dissolved)	-	mg/L
	-	mg/L

Cations :

Calcium	(Ca)	48	mg/L
Magnesium	(Mg)	11	mg/L
Sodium	(Na)	42	mg/L
Potassium	(K)	11	mg/L

Anions :

Bicarbonate	(HCO <sub>3</sub> )	123	mg/L
Carbonate	(CO <sub>3</sub> )	14.4	mg/L
Hydroxide	(OH)	-	mg/L
Fluoride	(F)	0.77	mg/L
Chloride	(Cl)	20	mg/L
Bromide	(Br)	-	mg/L
Nitrite	(NO <sub>2</sub> )	-	mg/L
Nitrate	(NO <sub>3</sub> )	1.86	mg/L
Phosphate-ortho	(PO <sub>4</sub> )	0.13	mg/L
			mg/L
Sulfate	(SO <sub>4</sub> )	90	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)	0.012	mg/L
Strontium	(Sr)	0.31	mg/L
Zinc	(Zn)	< 0.01	mg/L
Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	4.93	µg/L
Barium	(Ba)	89.8	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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