

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: May 2017

Temperature	13.4	° C
Turbidity (NTU)	0.06	Units
Total Organic Carbon	2.0	mg/L
Color	2	Units
Dissolved Oxygen (O ₂)	4.9	mg/L
Langelier Index	0.93	
UV-ABS @ 254 nm	4.8	ABS/m
Specific Conductance @ 25 °C	517	µmhos
Dissolved Solids (Calculated)	406	mg/L
Silica (SiO ₂)	29.6	mg/L
pH	8.66	mg/L
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	8	mg/L
Total (M)	123	mg/L
Total Hardness (CaCO ₃)	172	mg/L
Carbonate	123	mg/L
Non-carbonate	49	mg/L
Nitrogen (N)		
Ammonia	0.02	mg/L
Nitrite	-	mg/L
Nitrate	0.94	mg/L
Chlorine (Cl ₂)		
Free Residual	0.00	mg/L
Total Residual	2.40	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
	-	mg/L

Cations :			
Calcium	(Ca)	51	mg/L
Magnesium	(Mg)	11	mg/L
Sodium	(Na)	39	mg/L
Potassium	(K)	10	mg/L

Anions :			
Bicarbonate	(HCO ₃)	131	mg/L
Carbonate	(CO ₃)	9.6	mg/L
Hydroxide	(OH)	-	mg/L
Fluoride	(F)	0.82	mg/L
Chloride	(Cl)	21	mg/L
Bromide	(Br)	-	mg/L
Nitrite	(NO ₂)	-	mg/L
Nitrate	(NO ₃)	4.16	mg/L
Phosphate-ortho	(PO ₄)	0.38	mg/L
			mg/L
Sulfate	(SO ₄)	98	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)	0.02	mg/L
Strontium	(Sr)	0.31	mg/L
Zinc	(Zn)	< 0.01	mg/L

Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	3.57	µg/L
Barium	(Ba)	91.8	µg/L
Beryllium	(Be)	< 1.0	µg/L
Cadmium	(Cd)	< 1.0	µg/L
Chromium	(Cr)	1.19	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 < 0.08 µg/L

Metolachlor < 0.10 µg/L

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