

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: March 2017

Temperature	15.9	° C
Turbidity (NTU)	0.06	Units
Total Organic Carbon	1.9	mg/L
Color	2	Units
Dissolved Oxygen (O ₂)	4.7	mg/L
Langelier Index	1.07	
UV-ABS @ 254 nm	4.7	ABS/m
Specific Conductance @ 25 °C	513	µmhos
Dissolved Solids (Calculated)	414	mg/L
Silica (SiO ₂)	32.6	mg/L
pH	8.76	mg/L
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	11	mg/L
Total (M)	124	mg/L
Total Hardness (CaCO ₃)	169	mg/L
Carbonate	124	mg/L
Non-carbonate	45	mg/L
Nitrogen (N)		
Ammonia	0.02	mg/L
Nitrite	-	mg/L
Nitrate	0.65	mg/L
Chlorine (Cl ₂)		
Free Residual	0.00	mg/L
Total Residual	2.45	mg/L
Surfactants (MBAS)	-	mg/L
Trace Inorganics:		
Iron (total)	<0.01	mg/L
Iron (dissolved)	-	mg/L
Manganese (total)	0.01	mg/L
Manganese (dissolved)	-	mg/L
	-	mg/L

Cations :			
Calcium	(Ca)	48	mg/L
Magnesium	(Mg)	12	mg/L
Sodium	(Na)	43	mg/L
Potassium	(K)	11	mg/L

Anions :			
Bicarbonate	(HCO ₃)	124	mg/L
Carbonate	(CO ₃)	13.2	mg/L
Hydroxide	(OH)	-	mg/L
Fluoride	(F)	0.80	mg/L
Chloride	(Cl)	22	mg/L
Bromide	(Br)	-	mg/L
Nitrite	(NO ₂)	-	mg/L
Nitrate	(NO ₃)	0.65	mg/L
Phosphate-ortho	(PO ₄)	0.27	mg/L
			mg/L
Sulfate	(SO ₄)	106	mg/L

Trace Inorganics :			
Aluminum	(Al)	< 0.01	mg/L
Copper	(Cu)	< 0.01	mg/L
Iron	(Fe)	0.13	mg/L
Lithium	(Li)	0.02	mg/L
Manganese	(Mn)	< 0.01	mg/L
Strontium	(Sr)	0.32	mg/L
Zinc	(Zn)	< 0.01	mg/L

Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	4.70	µg/L
Barium	(Ba)	85.6	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

Jessica Martin
Water Analyst