METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte West Plant — Monthly Averages

Source: Finished Water — Date: April 2017

Temperature	14.7	^{o} C
Turbidity (NTU)	0.06	Units
Total Organic Carbon	2.0	mg/L
Color	2	Units
Dissolved Oxygen (O_2)	4.3	mg/L
Langelier Index	0.87	
UV-ABS @ 254 nm	4.2	ABS/m
Specific Conductance @ 25 ^{o}C	510	µmhos
Dissolved Solids (Calculated)	416	mg/L
Silica (SiO_2)	28.9	mg/L
pH	8.57	mg/L
Alkalinity ($CaCO_3$)		
Phenolphthalein (P)	6	mg/L
Total (M)	120	mg/L
Total Hardness ($CaCO_3$)	169	mg/L
Carbonate	120	mg/L
Non-carbonate	49	mg/L
Nitrogen (N)		
Ammonia	0.03	mg/L
Nitrite	-	mg/L
Nitrate	0.74	mg/L
Chlorine (Cl_2)		
Free Residual	0.00	mg/L
Total Residual	2.35	mg/L
Surfactants (MBAS)	-	mg/L
Trace Inorganics:		
Iron (total)	<0.02	mg/L
Iron (dissolved)	-	mg/L
Manganese (total)	0.008	mg/L
Manganese (dissolved)	-	mg/L
	-	mg/L

Cations :

Calcium	(Ca)	51	mg/L
Magnesium	(Mg)	10	mg/L
Sodium	(Na)	44	mg/L
Potassium	(K)	11	mg/L

Anions :

Bicarbonate	(HCO_3)	132	mg/L
Carbonate	(CO_3)	7.2	mg/L
Hydroxide	(OH)	-	mg/L
Fluoride	(F)	0.80	mg/L
Chloride	(Cl)	21	mg/L
Bromide	(Br)	-	mg/L
Nitrite	(NO_2)	-	mg/L
Nitrate	(NO_3)	3.28	mg/L
Phosphate-ortho	(PO_4)	0.20	mg/L
			mg/L
Sulfate	(SO_4)	108	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)	0.008	mg/L
Strontium	(Sr)	0.33	mg/L
Zinc	(Zn)	< 0.01	mg/L
Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	4.27	µg/L
Barium	(Ba)	95.5	µg/L
Beryllium	(Be)	< 1.0	µg/L
Cadmium	(Cd)	< 1.0	µg/L
Chromium	(Cr)	1.03	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