METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte West Plant — Monthly Averages

Source: Finished Water — Date: August 2017

Temperature	13.8	° C	Cations :			
Turbidity (NTU)	0.06	Units	Calcium	(Ca)	47	mg/L
Total Organic Carbon	1.8	mg/L	Magnesium	(Mg)	12	mg/L
Color	2	Units	Sodium	(Na)	45	mg/L
Dissolved Oxygen (O_2)	3.7	mg/L	Potassium	(K)	10	mg/L
Langelier Index	1.03					
UV-ABS @ 254 nm	4.4	ABS/m	Anions :			
Specific Conductance @ 25 °C	507	µmhos	Bicarbonate	(HCO_3)	116	mg/L
Dissolved Solids (Calculated)	405	mg/L	Carbonate	(CO_3)	16.8	mg/L
			Hydroxide	(OH)	-	mg/L
Silica (SiO_2)	28.8	mg/L	Fluoride	(F)	0.82	mg/L
			Chloride	(Cl)	23	mg/L
pH	8.85	mg/L	Bromide	(Br)	-	mg/L
			Nitrite	(NO_2)	-	mg/L
Alkalinity ($CaCO_3$)			Nitrate	(NO_3)	2.97	mg/L
Phenolphthalein (P)	14	mg/L	Phosphate-ortho	(PO_4)	0.25	mg/L
Total (M)	123	mg/L				mg/L
			Sulfate	(SO_4)	103	mg/L
Total Hardness ($CaCO_3$)	166	mg/L				
Carbonate	123	mg/L	Trace Inorganics :			
Non-carbonate	43	mg/L	Aluminum	(Al)	< 0.01	mg/L
			Copper	(Cu)	< 0.01	mg/L
Nitrogen (N)			Iron	(Fe)	<0.02	mg/L
Ammonia	0.02	mg/L	Lithium	(Li)	0.02	mg/L
Nitrite	-	mg/L	Manganese	(Mn)	0.01	mg/L
Nitrate	0.67	mg/L	Strontium	(Sr)	0.34	mg/L
			Zinc	(Zn)	< 0.01	mg/L
Chlorine (Cl_2)						
Free Residual	0.00	mg/L	Antimony	(Sb)	< 1.0	µg/L
Total Residual	2.45	mg/L	Arsenic	(As)	4.08	µg/L
			Barium	(Ba)	89.5	µg/L
Surfactants (MBAS)	-	mg/L	Beryllium	(Be)	< 1.0	µg/L
			Cadmium	(Cd)	< 1.0	µg/L
Trace Inorganics:			Chromium	(Cr)	< 1.0	µg/L
Iron (total)	<0.02	mg/L	Lead	(Pb)	< 1.0	µg/L
Iron (dissolved)	-	mg/L	Mercury	(Hg)	-	µg/L
Manganese (total)	0.014	mg/L	Nickel	(Ni)	< 1.0	µg/L
Manganese (dissolved)	-	mg/L	Selenium	(Se)	< 5.0	µg/L
	-	mg/L	Thallium	(Tl)	< 1.0	µg/L

Bacteriological Quality : Distribution System

Meets U.S.E.P.A. drinking water standards:

T. Coli - 1.27%; E. Coli - Absent

Giardia - N.D. Cryptosporidium - N.D.

Organics :

Atrazine		µg/L
Metolachlor		µg/L

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