METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte Plant South — Monthly Averages

Source: Finished Water — Date: October 2017

Temperature	21.1	^{o} C
Turbidity (NTU)	0.06	Units
Total Organic Carbon	1.7	mg/L
Color	4	Units
Dissolved Oxygen (O_2)	4.4	mg/L
Langelier Index	1.17	
UV-ABS @ 254 nm	6.0	ABS/m
Specific Conductance @ 25 ^{o}C	500	µmhos
Total Dissolved Solids	385	mg/L
Silica (SiO_2)	21.8	mg/L
pH	8.83	mg/L
Alkalinity ($CaCO_3$)		
Phenolphthalein (P)	10	mg/L
Total (M)	130	mg/L
Total Hardness ($CaCO_3$)	152	mg/L
Carbonate	130	mg/L
Non-carbonate	22	mg/L
Nitrogen (N)		
Ammonia	0.02	mg/L
Nitrite		mg/L
Nitrate	1.22	mg/L
Chlorine (Cl_2)		
Free Residual	0.00	mg/L
Total Residual	2.41	mg/L
Surfactants (MBAS)		mg/L
Radioactivity :		
Gross Alpha & Beta		pCi/L
Iodine 131		pCi/L
Radium 226		pCi/L
Strontium 90		pCi/L
Tritium		pCi/L

Bacteriological Quality : Distribution System

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

T. Coli - 0.34%; E. Coli - Absent

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

Cations :			
Calcium	(Ca)	44	mg/L
Magnesium	(Mg)	10	mg/L
Sodium	(Na)	46	mg/L
Potassium	(K)	9	mg/L
Anions :			
Bicarbonate	(HCO_3)	134	mg/L
Carbonate	(CO_3)	12.0	mg/L
Hydroxide	(OH)	<0.1	mg/L
Fluoride	(F)	0.70	mg/L
Chloride	(Cl)	35	mg/L
Bromide	(Br)		mg/L
Nitrite	(NO_2)	0.00	mg/L
Nitrate	(NO_3)	5.40	mg/L
Phosphate-ortho	(PO_4)	0.08	mg/L
Sulfate	(SO_4)	66	mg/L
Trace Inorganics :			
Aluminum	(Al)	< 0.01	mg/L
Copper	(Cu)	< 0.01	mg/L
Iron	(Fe)	0.01	mg/L
Lithium	(Li)	0.02	mg/L
Manganese	(Mn)	0.01	mg/L
Strontium	(Sr)	0.27	mg/L
Zinc	(Zn)	< 0.01	mg/L
Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	4.25	µg/L
Barium	(Ba)	76.4	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

Organics :

Atrazine		µg/L
Metolachlor		µg/L

Chris Griesman
Water Analyst