METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Platte South Plant — Monthly Averages

Source: Finished Water — Date: February 2021

Temperature	12.9	° C
Turbidity (NTU)	0.03	Units
Total Organic Carbon	1.6	mg/L
Color	1	Units
Dissolved Oxygen (O_2)	6.1	mg/L
Langelier Index	1.26	
UV-ABS @ 254 nm	4.4	ABS/m
Specific Conductance @ 25 °C	543	µmhos
Total Dissolved Solids	444	mg/L
Silica (SiO_2)	25.4	mg/L
pH	8.91	mg/L
Alkalinity ($CaCO_3$)		
Phenolphthalein (P)	19	mg/L
Total (M)	165	mg/L
Total Hardness ($CaCO_3$)	167	mg/L
Carbonate	165	mg/L
Non-carbonate	2	mg/L
Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	<0.02	mg/L
Nitrate	1.55	mg/L
Chlorine (Cl_2)		
Free Residual	0.00	mg/L
Total Residual	2.06	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 - 0.00%; E. Coli - Absent

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

N.D. = Not Detected

Cations :			
Calcium	(Ca)	48	mg/L
Magnesium	(Mg)	11	mg/L
Sodium	(Na)	56.0	mg/L
Potassium	(K)	8.46	mg/L
Anions :			
Bicarbonate	(HCO_3)	155	mg/L
Carbonate	(CO_3)	22.7	mg/L
Hydroxide	(OH)	<0.1	mg/L
Fluoride	(F)	0.62	mg/L
Chloride	(Cl)	43	mg/L
Bromide	(Br)	0.02	mg/L
Nitrite	(NO_2)	<0.07	mg/L
Nitrate	(NO_3)	6.89	mg/L
Phosphate-ortho	(PO_4)	0.47	mg/L
Sulfate	(SO_4)	66	mg/L
Trace Inorganics :			
Aluminum	(Al)	<0.01	mg/L
Copper	(Cu)	0.001	mg/L
Iron	(Fe)	0.01	mg/L
Lithium	(Li)	0.02	mg/L
Manganese	(Mn)	0.03	mg/L
Strontium	(Sr)	0.28	mg/L
Zinc	(Zn)	<0.005	mg/L
Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	4.36	µg/L
Barium	(Ba)	72.5	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

Crystal Badger
Water Analyst