

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

Platte South Plant

Monthly Averages

Source: Finished Water

Date: August 2021

Temperature	23.6	° C
Turbidity (NTU)	0.03	Units
Total Organic Carbon	2.1	mg/L
Color	2	Units
Dissolved Oxygen (O ₂)	5.4	mg/L
Langelier Index	1.41	
UV-ABS @ 254 nm	6.1	ABS/m
Specific Conductance @ 25 °C	604	µmhos
Total Dissolved Solids	401	mg/L
Silica (SiO ₂)	22.8	mg/L
pH	9.03	mg/L
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	18	mg/L
Total (M)	128	mg/L
Total Hardness (CaCO ₃)	156	mg/L
Carbonate	128	mg/L
Non-carbonate	28	mg/L
Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	<0.02	mg/L
Nitrate	0.24	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

Cations :			
Calcium	(Ca)	46	mg/L
Magnesium	(Mg)	9.8	mg/L
Sodium	(Na)	60	mg/L
Potassium	(K)	11	mg/L

Anions :			
Bicarbonate	(HCO ₃)	156	mg/L
Carbonate	(CO ₃)	21.6	mg/L
Hydroxide	(OH)	0.1	mg/L
Fluoride	(F)	0.77	mg/L
Chloride	(Cl)	69	mg/L
Bromide	(Br)	0.02	mg/L
Nitrite	(NO ₂)	<0.07	mg/L
Nitrate	(NO ₃)	1.05	mg/L
Phosphate-ortho	(PO ₄)	0.40	mg/L
Sulfate	(SO ₄)	74	mg/L

Trace Inorganics :			
Aluminum	(Al)	<0.010	mg/L
Copper	(Cu)	0.003	mg/L
Iron	(Fe)	0.004	mg/L
Lithium	(Li)	0.022	mg/L
Manganese	(Mn)	0.018	mg/L
Strontium	(Sr)	0.271	mg/L
Zinc	(Zn)	<0.005	mg/L

Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	3.28	µg/L
Barium	(Ba)	71.7	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)	1.10	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.

N.D. = Not Detected

Organics :

Atrazine - µg/L

Metolachlor - µg/L

Crystal Badger
Water Analyst