

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

Platte West Plant

Monthly Averages

Source: Finished Water

Date: August 2021

Temperature	16.1	° C
Turbidity (NTU)	0.05	Units
Total Organic Carbon	2.0	mg/L
Color	2	Units
Dissolved Oxygen (O ₂)	6.6	mg/L
Langelier Index	1.16	
UV-ABS @ 254 nm	5.3	ABS/m
Specific Conductance @ 25 °C	446	µmhos
Dissolved Solids (Calculated)	355	mg/L
Silica (SiO ₂)	28.2	mg/L
pH	8.99	mg/L
Alkalinity (CaCO ₃)		
Phenolphthalein (P)	15	mg/L
Total (M)	119	mg/L
Total Hardness (CaCO ₃)	134	mg/L
Carbonate	119	mg/L
Non-carbonate	15	mg/L
Nitrogen (N)		
Ammonia	0.08	mg/L
Nitrite	<0.02	mg/L
Nitrate	0.83	mg/L
Chlorine (Cl ₂)		
Free Residual	0.03	mg/L
Total Residual	2.52	mg/L
Surfactants (MBAS)	-	mg/L
Trace Inorganics:		
Iron (total)	0.02	mg/L
Iron (dissolved)	-	mg/L
Manganese (total)	0.012	mg/L
Manganese (dissolved)	-	mg/L

Cations :			
Calcium	(Ca)	37	mg/L
Magnesium	(Mg)	10	mg/L
Sodium	(Na)	35	mg/L
Potassium	(K)	9.5	mg/L

Anions :			
Bicarbonate	(HCO ₃)	109	mg/L
Carbonate	(CO ₃)	18	mg/L
Hydroxide	(OH)	<0.1	mg/L
Fluoride	(F)	0.73	mg/L
Chloride	(Cl)	20	mg/L
Bromide	(Br)	<0.02	mg/L
Nitrite	(NO ₂)	<0.07	mg/L
Nitrate	(NO ₃)	3.68	mg/L
Phosphate-ortho	(PO ₄)	0.55	mg/L
			mg/L
Sulfate	(SO ₄)	83	mg/L

Trace Inorganics :			
Aluminum	(Al)	<0.010	mg/L
Copper	(Cu)	0.001	mg/L
Iron	(Fe)	0.020	mg/L
Lithium	(Li)	0.020	mg/L
Manganese	(Mn)	0.012	mg/L
Strontium	(Sr)	0.275	mg/L
Zinc	(Zn)	<0.005	mg/L

Antimony	(Sb)	<1.0	µg/L
Arsenic	(As)	3.22	µg/L
Barium	(Ba)	68.6	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)	1.06	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:
TC - 0.00%; E. coli - Absent
Giardia - N.D. Cryptosporidium - N.D.

Organics :		
Atrazine	-	µg/L
Metolachlor	-	µg/L

N. D. = Not Detected

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