

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

Florence Plant

Monthly Averages

Source: Finished Water

Date: August, 2021

Temperature	27.4	° C
Turbidity (NTU)	0.05	Units
Suspended Solids	-	mg/L
Color	1	Units
Dissolved Oxygen (O ₂)	5.2	mg/L
Langelier Index	0.98	
UV-ABS @ 254 nm	5.2	ABS/m
Total Organic Carbon	2.8	mg/L
Specific Conductance @ 25 °C	695	µmhos
Dissolved Solids (Calculated)	496	mg/L
Silica (SiO ₂)	4.2	mg/L
pH	8.97	Units

Alkalinity (CaCO ₃)		
Phenolphthalein (P)	7	mg/L
Total (M)	63	mg/L

Total Hardness (CaCO ₃)	157	mg/L
Carbonate	63	mg/L
Non-carbonate	94	mg/L

Nitrogen (N)		
Ammonia	0.09	mg/L
Nitrite	0.03	mg/L
Nitrate	0.12	mg/L

Chlorine (Cl ₂)		
Free Residual	0.00	mg/L
Total Residual	2.40	mg/L

Surfactants (MBAS)	-	mg/L
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Radioactivity :		
Gross Alpha (α)	0.2	pCi/L
Beta Emitters (β)	4.6	pCi/L
Radium 226+228	-	pCi/L
Uranium	-	mg/L

Cations :

Calcium	(Ca)	36	mg/L
Magnesium	(Mg)	16	mg/L
Sodium	(Na)	89	mg/L
Potassium	(K)	6.3	mg/L

Anions :

Bicarbonate	(HCO ₃)	60	mg/L
Carbonate	(CO ₃)	8	mg/L
Hydroxide	(OH)	0.2	mg/L
Fluoride	(F)	0.7	mg/L
Chloride	(Cl)	18	mg/L
Bromide	(Br)	0.03	mg/L
Nitrite	(NO ₂)	0.11	mg/L
Nitrate	(NO ₃)	0.51	mg/L
Phosphate-ortho	(PO ₄)	<0.04	mg/L
Sulfate	(SO ₄)	255	mg/L

Trace Inorganics :

Aluminum	(Al)	0.280	mg/L
Copper	(Cu)	0.008	mg/L
Iron	(Fe)	0.020	mg/L
Lithium	(Li)	0.059	mg/L
Manganese	(Mn)	0.001	mg/L
Strontium	(Sr)	0.383	mg/L
Zinc	(Zn)	<0.005	mg/L

Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	1.00	µg/L
Barium	(Ba)	25.9	µg/L
Beryllium	(Be)	< 1.0	µg/L
Cadmium	(Cd)	< 1.0	µg/L
Chromium	(Cr)	1.00	µg/L
Lead	(Pb)	< 1.0	µg/L
Mercury	(Hg)	-	µg/L
Nickel	(Ni)	1.04	µg/L
Selenium	(Se)	< 5.0	µg/L
Thallium	(Tl)	< 1.0	µg/L

Bacteriological Quality : Distribution System

Meets USEPA drinking water standards:

T. coli:	0.00%	E. coli:	absent
Cryptosporidium:	N.D.	Giardia:	N.D.

Organics :

Atrazine	-	µg/L
Metolachlor	-	µg/L

Chris Griesman
Chemist II

N. D. = Not Detected