

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

Florence Plant

Monthly Averages

Source: Finished Water

Date: February, 2022

Temperature	1.8	° C
Turbidity (NTU)	0.04	Units
Suspended Solids	-	mg/L
Color	2	Units
Dissolved Oxygen (O ₂)	9.5	mg/L
Langelier Index	0.97	
UV-ABS @ 254 nm	5.6	ABS/m
Total Organic Carbon	2.7	mg/L
Specific Conductance @ 25 °C	608	µmhos
Dissolved Solids (Calculated)	493	mg/L
Silica (SiO ₂)	8.5	mg/L

pH 9.12 Units

Alkalinity (CaCO ₃)		
Phenolphthalein (P)	11	mg/L
Total (M)	86	mg/L

Total Hardness (CaCO ₃)	183	mg/L
Carbonate	86	mg/L
Non-carbonate	97	mg/L

Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	<0.02	mg/L
Nitrate	0.95	mg/L

Chlorine (Cl ₂)		
Free Residual	0.00	mg/L
Total Residual	2.03	mg/L

Surfactants (MBAS) - mg/L

Radioactivity :		
Gross Alpha (α)	0.5	pCi/L
Beta Emitters (β)	5	pCi/L
Radium 226+228	-	pCi/L
Uranium	-	mg/L

Cations :			
Calcium	(Ca)	47	mg/L
Magnesium	(Mg)	16	mg/L
Sodium	(Na)	72	mg/L
Potassium	(K)	6.1	mg/L

Anions :			
Bicarbonate	(HCO ₃)	78	mg/L
Carbonate	(CO ₃)	13	mg/L
Hydroxide	(OH)	<0.1	mg/L
Fluoride	(F)	0.70	mg/L
Chloride	(Cl)	21	mg/L
Bromide	(Br)	0.02	mg/L
Nitrite	(NO ₂)	<0.07	mg/L
Nitrate	(NO ₃)	4.20	mg/L
Phosphate-ortho	(PO ₄)	<0.1	mg/L
Sulfate	(SO ₄)	225	mg/L

Trace Inorganics :			
Aluminum	(Al)	0.042	mg/L
Copper	(Cu)	0.001	mg/L
Iron	(Fe)	0.042	mg/L
Lithium	(Li)	0.052	mg/L
Manganese	(Mn)	<0.001	mg/L
Strontium	(Sr)	0.456	mg/L
Zinc	(Zn)	<0.005	mg/L

Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	<1.0	µg/L
Barium	(Ba)	51.3	µg/L
Beryllium	(Be)	< 1.0	µg/L
Cadmium	(Cd)	< 1.0	µg/L
Chromium	(Cr)	1.82	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 USEPA drinking water standards:			
T. coli:	0.00%	E. coli:	absent
Cryptosporidium:	N.D.	Giardia:	N.D.

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

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Chemist II

N. D. = Not Detected