METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Florence Plant — Monthly Averages

Source: Finished Water — Date: September, 2024

Temperature	23.8	° C
Turbidity (NTU)	0.07	Units
Color	1	Units
Dissolved Oxygen (O_2)	5.6	mg/L
Langelier Index	0.85	
UV-ABS @ 254 nm	5.2	ABS/m
Total Organic Carbon	2.7	mg/L
Specific Conductance @ 25 °C	695	µmhos
Dissolved Solids (Calculated)	479	mg/L
Silica (SiO_2)	3.7	mg/L
pH	9.00	Units
Alkalinity ($CaCO_3$)		
Phenolphthalein (P)	6	mg/L
Total (M)	43	mg/L
Total Hardness ($CaCO_3$)	159	mg/L
Carbonate	43	mg/L
Non-carbonate	116	mg/L
Nitrogen (N)		
Ammonia	<0.05	mg/L
Nitrite	<0.02	mg/L
Nitrate	0.23	mg/L
Chlorine (Cl_2)		
Free Residual	0.00	mg/L
Total Residual	2.44	mg/L
Surfactants (MBAS)	-	mg/L
Radioactivity :		
Gross Alpha (α)	0.2	pCi/L
Beta Emitters (β)	3.7	pCi/L
Radium 226+228	-	pCi/L
Uranium	-	mg/L

Cations :			
Calcium	(Ca)	43	mg/L
Magnesium	(Mg)	13	mg/L
Sodium	(Na)	79	mg/L
Potassium	(K)	6.7	mg/L
Anions :			
Bicarbonate	(HCO_3)	38	mg/L
Carbonate	(CO_3)	7	mg/L
Hydroxide	(OH)	0.2	mg/L
Fluoride	(F)	0.7	mg/L
Chloride	(Cl)	19	mg/L
Bromide	(Br)	0.03	mg/L
Nitrite	(NO_2)	<0.07	mg/L
Nitrate	(NO_3)	1.01	mg/L
Phosphate	(PO_4)	<0.10	mg/L
Sulfate	(SO_4)	267	mg/L
Trace Inorganics :			
Aluminum	(Al)	0.164	mg/L
Copper	(Cu)	0.003	mg/L
Iron	(Fe)	0.078	mg/L
Lithium	(Li)	0.058	mg/L
Manganese	(Mn)	<0.001	mg/L
Strontium	(Sr)	0.445	mg/L
Zinc	(Zn)	<0.005	mg/L
Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	<1.0	µg/L
Barium	(Ba)	26.9	µg/L
Beryllium	(Be)	< 1.0	µg/L
Cadmium	(Cd)	< 1.0	µg/L
Chromium	(Cr)	1.16	µg/L
Lead	(Pb)	< 1.0	µg/L
Mercury	(Hg)	-	µg/L
Nickel	(Ni)	1.46	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: 0.34% E. coli: absent

Cryptosporidium: N.D. Giardia: N.D.

Organics :

Atrazine	-	µg/L
Metolachlor	-	µg/L

Chris Griesman
Chemist II

N. D. = Not Detected