METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Florence Plant — Monthly Averages

Source: Finished Water — Date: June, 2022

Temperature	24.1	° C
Turbidity (NTU)	0.05	Units
Color	2	Units
Dissolved Oxygen (O_2)	6.6	mg/L
Langelier Index	0.91	
UV-ABS @ 254 nm	5.9	ABS/m
Total Organic Carbon	3.1	mg/L
Specific Conductance @ 25 °C	630	µmhos
Dissolved Solids (Calculated)	453	mg/L
Silica (SiO_2)	5.6	mg/L
pH	8.95	Units
Alkalinity ($CaCO_3$)		
Phenolphthalein (P)	7	mg/L
Total (M)	50	mg/L
Total Hardness ($CaCO_3$)	170	mg/L
Carbonate	50	mg/L
Non-carbonate	120	mg/L
Nitrogen (N)		
Ammonia	0.07	mg/L
Nitrite	<0.02	mg/L
Nitrate	1.65	mg/L
Chlorine (Cl_2)		
Free Residual	0.00	mg/L
Total Residual	2.38	mg/L
Surfactants (MBAS)	-	mg/L
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)	45	mg/L
Magnesium	(Mg)	14	mg/L
Sodium	(Na)	64	mg/L
Potassium	(K)	6.9	mg/L
Anions :			
Bicarbonate	(HCO_3)	44	mg/L
Carbonate	(CO_3)	8	mg/L
Hydroxide	(OH)	0.1	mg/L
Fluoride	(F)	0.68	mg/L
Chloride	(Cl)	24	mg/L
Bromide	(Br)	0.04	mg/L
Nitrite	(NO_2)	<0.07	mg/L
Nitrate	(NO_3)	7.33	mg/L
Phosphate	(PO_4)	<0.1	mg/L
Sulfate	(SO_4)	232	mg/L
Trace Inorganics :			
Aluminum	(Al)	0.135	mg/L
Copper	(Cu)	0.002	mg/L
Iron	(Fe)	0.081	mg/L
Lithium	(Li)	0.044	mg/L
Manganese	(Mn)	<0.001	mg/L
Strontium	(Sr)	0.371	mg/L
Zinc	(Zn)	<0.005	mg/L
Antimony	(Sb)	< 1.0	µg/L
Arsenic	(As)	<1.0	µg/L
Barium	(Ba)	30.3	µg/L
Beryllium	(Be)	< 1.0	µg/L
Cadmium	(Cd)	< 1.0	µg/L
Chromium	(Cr)	1.64	µg/L
Lead	(Pb)	< 1.0	µg/L
Mercury	(Hg)	-	µg/L
Nickel	(Ni)	1.15	µg/L
Selenium	(Se)	< 5.0	µg/L
Thallium	(Tl)	< 1.0	µg/L
Organics :			
Atrazine		0.31	µg/L
Metolachlor		-	µg/L

Bacteriological Quality : Distribution System

Meets USEPA drinking water standards:

T. coli: 0.34% E. coli: absent

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

Chris Griesman
Chemist II

N. D. = Not Detected