

** NORTH TEXAS MUNICIPAL WATER DISTRICT - Tawakoni
 Water Analysis
 Nov-2022

<u>Mineral Analysis</u>	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u>			
			<u>EPA Primary</u> (mg/L)	<u>EPA Secondary</u> (mg/L)	<u>TCEQ Primary</u> (mg/L)	<u>TCEQ Secondary</u> (mg/L)
Residue on Evaporation	119	179		500		1000
Silica (SiO2)	4.39	3.76				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	25.9	42.3				
Magnesium (Mg)	2.99	3.17				
Sodium (Na)	12.0	17.9				
Potassium (K)	4.69	4.54				
Sulfate (SO4)	11.3	66.1		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.330	0.471	10		10	
Chloride (Cl)	8.4	16.6		250		300
Fluoride (F)	0.196	0.582	4.0	2.0	4	2.0
Phosphates (PO4)	0.0500	<0.0100				
	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	85.3 *	66.5 *				
Total Hardness	78.0	108				
Langelier Index		0.0690				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00204	0.00053	0.01		0.01	
Barium (Ba)	0.0753	0.0627	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	<0.00100	0.00627	1.3	1	1.3	1.0
Iron (Fe)	<0.200	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	<0.0250	<0.0250		0.05		0.05
Mercury (Hg)	0.000121	<0.000100	0.002		0.002	
Nickel (Ni)	0.00143	0.00452				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	<0.00250	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.58 *	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.40	8.20 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	1150	249				
Turbidity (NTU)	2.0 *	0.04 *	0.3		0.3	
Threshold Odor Number	<1.00	<1.00				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note 2: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.

Note 3: * Identifies Monthly Average Process analyses. ** No odor analysis performed.