

** NORTH TEXAS MUNICIPAL WATER DISTRICT - Tawakoni
 Water Analysis
 Sep-2020

<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	124	192		500		1000
Silica (SiO2)	5.73	5.57				
Iron (Fe)	0.405	0.262		0.3		0.3
Calcium (Ca)	25.2	40.5				
Magnesium (Mg)	2.52	2.69				
Sodium (Na)	9.20	14.9				
Potassium (K)	4.07	3.93				
Sulfate (SO4)	8.02	62.9		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.349	0.481	10		10	
Chloride (Cl)	5.7	15.1		250		300
Fluoride (F)	0.177	0.454	4.0	2.0	4	2.0
Phosphates (PO4)	0.126	0.0140				
	(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	77.5 *	63.5 *				
Total Hardness	69.0	110				
Langelier Index		0.1270				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00430	<0.00050	0.01		0.01	
Barium (Ba)	0.0749	0.0564	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	0.0138	1.3	1	1.3	1.0
Iron (Fe)	0.405	0.262		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.136	0.00748		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00174	0.00546				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	<0.00250	0.00747		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.60 *	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.50	8.10 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	192	312				
Turbidity (NTU)	4.7 *	0.05 *	0.3		0.3	
Threshold Odor Number	4.0	4.0				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.