

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

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary	EPA Secondary	TCEQ Primary	TCEQ Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	135	198		500		1000
Silica (SiO ₂)	<2.00	<2.00				
Iron (Fe)	0.252	<0.200		0.3		0.3
Calcium (Ca)	28.1	42.5				
Magnesium (Mg)	2.75	2.88				
Sodium (Na)	10.5	16.9				
Potassium (K)	3.79	3.73				
Sulfate (SO ₄)	11.1	52.2		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.200	0.303	10		10	
Chloride (Cl)	7.0	14.9		250		300
Fluoride (F)	0.159	0.310	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.0700	<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	89.0 *	79.5 *				
Total Hardness	84.0	110				
Langelier Index		0.0007				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00126	0.00069	0.01		0.01	
Barium (Ba)	0.0736	0.0619	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00104	0.00636	1.3	1	1.3	1.0
Iron (Fe)	0.252	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0439	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00139	0.00343				
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)	--	3.87 *	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.80	8.20 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	207	303				
Turbidity (NTU)	7.3 *	0.04 *	0.3		0.3	
Threshold Odor Number	<1.00	2.00				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.