

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

<u>Mineral Analysis</u>	<u>Raw</u>	<u>Treated</u>	<u>Standards</u>			
			<u>EPA</u> <u>Primary</u>	<u>EPA</u> <u>Secondary</u>	<u>TCEQ</u> <u>Primary</u>	<u>TCEQ</u> <u>Secondary</u>
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	121	205		500		1000
Silica (SiO ₂)	5.46	5.50				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	23.8	38.8				
Magnesium (Mg)	2.80	2.85				
Sodium (Na)	10.8	21.0				
Potassium (K)	4.28	4.22				
Sulfate (SO ₄)	10.9	55.6		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.317	10		10	
Chloride (Cl)	8.1	23.1		250		300
Fluoride (F)	0.193	0.454	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.0950	0.0130				
	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)
Total Alkalinity	82.8 *	77.5 *				
Total Hardness	70.0	104				
Langelier Index		0.0240				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00507	0.00077	0.01		0.01	
Barium (Ba)	0.0859	0.0683	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	0.0120	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)	0.0671	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00159	0.00469				
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)	--	3.39 *	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.30	7.90 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	202	336				
Turbidity (NTU)	3.7 *	0.06 *	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.