

** NORTH TEXAS MUNICIPAL WATER DISTRICT - Tawakoni
 Water Analysis
 Jan-2019

<u>Mineral Analysis</u>	<u>Raw</u>	<u>Treated</u>	<u>Standards</u>			
			<u>EPA Primary</u>	<u>EPA Secondary</u>	<u>TCEQ Primary</u>	<u>TCEQ Secondary</u>
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	102	178		500		1000
Silica (SiO2)	4.59	4.17				
Iron (Fe)	0.434	0.207		0.3		0.3
Calcium (Ca)	30.5	47.3				
Magnesium (Mg)	2.70	2.85				
Sodium (Na)	9.72	14.3				
Potassium (K)	4.20	3.91				
Sulfate (SO4)	8.15	59.3		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.336	0.383	10		10	
Chloride (Cl)	4.7	9.8		250		300
Fluoride (F)	0.145	0.200	4.0	2.0	4	2.0
Phosphates (PO4)	0.0630	<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	75.6 *	58.0 *				
Total Hardness	73.6	105				
Langelier Index		-2.2458				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00148	<0.00050	0.01		0.01	
Barium (Ba)	0.0665	0.0537	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00140	0.0101	1.3	1	1.3	1.0
Iron (Fe)	0.434	0.207		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0262	0.00447		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00212	0.00514				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00255	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.40 *	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)	186	297				
Turbidity (NTU)	9.7 *	0.04 *	0.3		0.3	
Threshold Odor Number	4.0	1.0				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.