

NORTH TEXAS MUNICIPAL WATER DISTRICT - Tawakoni
Water Analysis
Jan-2023

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	188		500		1000
Silica (SiO ₂)	3.61	3.24				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	28.3	41.1				
Magnesium (Mg)	2.83	2.96				
Sodium (Na)	11.3	16.0				
Potassium (K)	4.32	4.38				
Sulfate (SO ₄)	11.9	66.4		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.405	0.387	10		10	
Chloride (Cl)	8.3	15.7		250		300
Fluoride (F)	0.180	0.632	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.0520	<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	87.1 *	62.5 *				
Total Hardness	78.0	106				
Langelier Index		0.0392				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00175	0.00063	0.01		0.01	
Barium (Ba)	0.0691	0.0590	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00117	0.00500	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)	0.0547	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00189	0.00472				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00280	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.68 *	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.40	8.30 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	208	288				
Turbidity (NTU)	4.9 *	0.05 *	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.