

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Jul-2021

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	106	247		500		1000
Silica (SiO ₂)	2.49	2.80				
Iron (Fe)	0.584	0.614		0.3		0.3
Calcium (Ca)	15.6	51.6				
Magnesium (Mg)	1.98	2.47				
Sodium (Na)	5.68	16.5				
Potassium (K)	3.33	3.31				
Sulfate (SO ₄)	2.98	77.2		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.162	10		10	
Chloride (Cl)	6.73	19.0		250		300
Fluoride (F)	0.0930	0.541	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.105	0.0970				
	(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	66.4 *	79.3 *				
Total Hardness	50.0	140				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00322	0.00070	0.01		0.01	
Barium (Ba)	0.0850	0.0627	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.133	0.00311	1.3	1	1.3	1.0
Iron (Fe)	0.584	0.614		0.3		0.3
Lead (Pb)	0.000507	<0.000500	0.015		0.015	
Manganese (Mn)	0.174	0.0143		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00163	0.00722				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00410	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.99	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.14 *	8.05 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	135	361				
Turbidity (NTU)	17.0 *	0.06 *	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.