

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Sep-2020

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	86.0	211		500		1000
Silica (SiO ₂)	7.06	6.51				
Iron (Fe)	0.660	0.292		0.3		0.3
Calcium (Ca)	14.6	48.0				
Magnesium (Mg)	1.83	2.17				
Sodium (Na)	3.81	12.3				
Potassium (K)	3.53	3.67				
Sulfate (SO ₄)	2.10	71.3		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.115	10		10	
Chloride (Cl)	3.11	15.4		250		300
Fluoride (F)	0.0980	0.184	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.133	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	61.0 *	78.0 *				
Total Hardness	42.2	126				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00600	<0.00050	0.01		0.01	
Barium (Ba)	0.0501	0.0638	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0214	0.00409	1.3	1	1.3	1.0
Iron (Fe)	0.660	0.292		0.3		0.3
Lead (Pb)	0.00166	<0.000500	0.015		0.015	
Manganese (Mn)	0.191	0.0111		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00135	0.00546				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00804	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.96	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.19 *	7.92 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	110	331				
Turbidity (NTU)	12.9 *	0.10 *	0.3		0.3	
Threshold Odor Number	8.0	4.0				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.