

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Jun-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	200		500		1000
Silica (SiO ₂)	5.08	4.10				
Iron (Fe)	3.03	0.336		0.3		0.3
Calcium (Ca)	13.0	47.1				
Magnesium (Mg)	1.87	2.07				
Sodium (Na)	3.70	12.1				
Potassium (K)	3.06	2.97				
Sulfate (SO ₄)	2.16	71.8		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.115	10		10	
Chloride (Cl)	2.76	16.2		250		300
Fluoride (F)	0.0970	0.613	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.221	<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	56.5 *	75.0 *				
Total Hardness	79.2	125				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00710	<0.00050	0.01		0.01	
Barium (Ba)	0.0568	0.0586	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00780	0.00762	1.3	1	1.3	1.0
Iron (Fe)	3.03	0.336		0.3		0.3
Lead (Pb)	0.00113	<0.000500	0.015		0.015	
Manganese (Mn)	0.682	0.00721		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00197	0.00544				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00505	0.00299		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	7.11 *	7.92 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	109	339				
Turbidity (NTU)	20.1 *	0.07 *	0.3		0.3	
Threshold Odor Number	8.0	3.0				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.