

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Jul-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	92.0	209		500		1000
Silica (SiO ₂)	6.09	5.21				
Iron (Fe)	0.922	<0.200		0.3		0.3
Calcium (Ca)	13.7	45.2				
Magnesium (Mg)	1.76	2.08				
Sodium (Na)	3.77	11.9				
Potassium (K)	3.11	3.04				
Sulfate (SO ₄)	2.31	71.7		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.100	10		10	
Chloride (Cl)	3.02	15.5		250		300
Fluoride (F)	0.106	0.667	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.175	<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	62.7 *	72.4 *				
Total Hardness	48.2	120				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00580	0.00053	0.01		0.01	
Barium (Ba)	0.0853	0.0553	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0123	0.00586	1.3	1	1.3	1.0
Iron (Fe)	0.922	<0.200		0.3		0.3
Lead (Pb)	0.00200	<0.000500	0.015		0.015	
Manganese (Mn)	0.462	0.0175		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00124	0.00507				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00500	0.00340		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.57	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.33 *	7.89 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	111	318				
Turbidity (NTU)	13.4 *	0.09 *	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.