

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
May-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	104	175		500		1000
Silica (SiO ₂)	<2.00	<2.00				
Iron (Fe)	1.08	<0.200		0.3		0.3
Calcium (Ca)	11.6	39.5				
Magnesium (Mg)	1.70	1.97				
Sodium (Na)	3.80	8.91				
Potassium (K)	2.96	3.06				
Sulfate (SO ₄)	3.25	61.7		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.0860	10		10	
Chloride (Cl)	2.96	10.4		250		300
Fluoride (F)	0.0860	0.549	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.0960	0.0110				
	(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	51.5 *	64.2 *				
Total Hardness	54.6	104				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00150	<0.00050	0.01		0.01	
Barium (Ba)	0.0441	0.0409	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0161	0.00340	1.3	1	1.3	1.0
Iron (Fe)	1.08	<0.200		0.3		0.3
Lead (Pb)	0.00164	<0.000500	0.015		0.015	
Manganese (Mn)	0.0826	0.00605		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00172	0.00430				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00411	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.55	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.23 *	8.04 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	99.7	279				
Turbidity (NTU)	28.9 *	0.07 *	0.3		0.3	
Threshold Odor Number	3.0	2.0				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.