

**NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham**

**Water Analysis**

**Apr-2019**

<b>Mineral Analysis</b>	<b>Raw</b>	<b>Treated</b>	<b>Standards</b>			
			<b>EPA Primary</b>	<b>EPA Secondary</b>	<b>TCEQ Primary</b>	<b>TCEQ Secondary</b>
	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>
Residue on Evaporation	116	168		500		1000
Silica (SiO2)	2.87	<2.00				
Iron (Fe)	2.68	0.268		0.3		0.3
Calcium (Ca)	13.9	43.4				
Magnesium (Mg)	1.75	1.74				
Sodium (Na)	3.09	9.64				
Potassium (K)	2.58	2.25				
Sulfate (SO4)	3.40	64.8		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.0790	0.228	10		10	
Chloride (Cl)	2.83	11.3		250		300
Fluoride (F)	0.0720	0.500	4.0	2.0	4	2.0
Phosphates (PO4)	0.203	<0.0100				
	<b>(mg/L as CaCO3)</b>	<b>(mg/L as CaCO3)</b>	<b>(mg/L as CaCO3)</b>	<b>(mg/L as CaCO3)</b>	<b>(mg/L as CaCO3)</b>	<b>(mg/L as CaCO3)</b>
Total Alkalinity	42.8 *	65.3 *				
Total Hardness	41.4	114				
Langelier Index	--	--				

**Trace Element Analysis**

	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>
Arsenic (As)	0.00191	<0.00050	0.01		0.01	
Barium (Ba)	0.0593	0.0396	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	0.00296	<0.00250	0.1		0.1	
Copper (Cu)	0.00571	0.00253	1.3	1	1.3	1.0
Iron (Fe)	2.68	0.268		0.3		0.3
Lead (Pb)	0.00190	<0.000500	0.015		0.015	
Manganese (Mn)	0.139	0.00364		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00258	0.00333				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00892	<0.00250		5		5

**Other Analysis**

Chlorine Residual (mg/L)	--	2.97	4.0		4.0	
Total coliform ( Present / Absent )	--	A	A		A	
pH (Standard Units) @ 25°C	6.87 *	7.80 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	99.9	293				
Turbidity (NTU)	45.2 *	0.07 *	0.3		0.3	
Threshold Odor Number	8.0	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.**