

**NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham**

**Water Analysis**

**Nov-2021**

<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	166	213		500		1000
Silica (SiO <sub>2</sub> )	6.07	6.35				
Iron (Fe)	0.285	0.302		0.3		0.3
Calcium (Ca)	19.2	60.0				
Magnesium (Mg)	2.33	2.58				
Sodium (Na)	29.3	13.0				
Potassium (K)	3.63	3.80				
Sulfate (SO <sub>4</sub> )	1.91	75.2		250		
Nitrite (NO <sub>2</sub> )	<0.0200	<0.0200	1		1	
Nitrate (NO <sub>3</sub> )	<0.0500	0.0720	10		10	
Chloride (Cl)	32.4	13.8		250		300
Fluoride (F)	0.0920	0.285	4.0	2.0	4	2.0
Phosphates (PO <sub>4</sub> )	0.0800	<0.0100				
	<b>(mg/L as CaCO<sub>3</sub>)</b>	<b>(mg/L as CaCO<sub>3</sub>)</b>	<b>(mg/L as CaCO<sub>3</sub>)</b>	<b>(mg/L as CaCO<sub>3</sub>)</b>	<b>(mg/L as CaCO<sub>3</sub>)</b>	<b>(mg/L as CaCO<sub>3</sub>)</b>
Total Alkalinity	75.4 *	79.5 *				
Total Hardness	72.0	134				
Langelier Index	--	-0.353				

**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)	0.00371	0.00102	0.01		0.01	
Barium (Ba)	0.0615	0.0513	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0345	0.00351	1.3	1	1.3	1.0
Iron (Fe)	0.285	0.302		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0857	0.00359		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00111	0.00443				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00359	0.00277		5		5

**Other Analysis**

Chlorine Residual (mg/L)	--	3.24	4.0		4.0	
Total coliform ( Present / Absent )	--	A	A		A	
pH (Standard Units) @ 25°C	7.85 *	7.89 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	256	335				
Turbidity (NTU)	11.5 *	0.07 *	0.3		0.3	
Threshold Odor Number	>200	<1				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.**