

**North Texas Municipal Water District  
Bonham Water Analysis  
Apr-2010**

<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	64.0	140		500		1000
Silica (SiO2)	2.52	<2.00				
Iron (Fe)	1.37	<0.200		0.3		0.3
Calcium (Ca)	12.7	64.1				
Magnesium (Mg)	1.87	1.97				
Sodium (Na)	3.72	8.88				
Potassium (K)	3.06	2.85				
Bicarbonates (HCO3)	42.0	68.0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	<10.0	53.0		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	<0.0700	<0.0700	10		10	
Chloride (Cl)	6.34	12.0		250		300
Fluoride (F)	<0.200	0.704	4.0	2.0		2.0
Phosphates (PO4)	0.0670	0.0590				

	<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	42.0	68.0				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	8.00	44.0				
Total Hardness	50.0	112				
Langelier Index	-	[+ 0 ]				

**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)	<0.00500	<0.00500	0.01		0.01	
Barium (Ba)	0.0524	0.0430	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00638	0.0320	1.3		1.3	1.0
Iron (Fe)	1.37	<0.200		0.3		
Lead (Pb)	0.00162	<0.00100	0.15		0.15	
Manganese (Mn)	0.246	0.00881		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00208	0.00332				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00100	<0.00100		0.10		0.1
Zinc (Zn)	0.0105	<0.0100		5		5

**Other Analysis**

Chlorine Residual (mg/L)	-	2.06*	4.0		4.0	
Total coliform ( Present / Absent )	P	A	A		A	
pH (Standard Units) @ 25°C	6.60*	7.54*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	107	298				
Turbidity (NTU)	25.2*	0.0923*	0.3		0.3	
Threshold Odor Number	2F	1Cl				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.**