

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

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	72.0	180		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.883	<0.200		0.3		0.3
Calcium (Ca)	13.1	41.6				
Magnesium (Mg)	1.92	1.93				
Sodium (Na)	3.63	10.3				
Potassium (K)	2.81	2.90				
Bicarbonates (HCO3)	44.5	67.5				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	<10.0	53.4		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	<0.0700	0.0906	10		10	
Chloride (Cl)	<5.00	16.2		250		300
Fluoride (F)	<0.200	0.590	4.0	2.0		2.0
Phosphates (PO4)	0.0560	<0.0200				

	(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	44.5	67.5				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	5.50	48.5				
Total Hardness	50.0	116				
Langelier Index	-	[+ 0]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00500	<0.00500	0.01		0.01	
Barium (Ba)	0.0481	0.0411	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00387	0.0132	1.3		1.3	1.0
Iron (Fe)	0.883	<0.200		0.3		
Lead (Pb)	0.00137	<0.00100	0.15		0.15	
Manganese (Mn)	0.0407	0.0174		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00179	0.00328				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00100	<0.00100		0.10		0.1
Zinc (Zn)	0.0101	<0.0100		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.20*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	7.00*	7.40*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	113	308				
Turbidity (NTU)	20.8*	0.115*	0.3		0.3	
Threshold Odor Number	2F	1ND				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.