

North Texas Municipal Water District
 Bonham Water Analysis
 Mar-2010

<u>Mineral Analysis</u>	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u>			
			<u>EPA</u> <u>Primary</u> (mg/L)	<u>EPA</u> <u>Secondary</u> (mg/L)	<u>TCEQ</u> <u>Primary</u> (mg/L)	<u>TCEQ</u> <u>Secondary</u> (mg/L)
Residue on Evaporation	72.0	164		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	1.54	<0.200		0.3		0.3
Calcium (Ca)	<20.0	44.4				
Magnesium (Mg)	1.72	1.80				
Sodium (Na)	3.04	9.72				
Potassium (K)	2.79	2.75				
Bicarbonates (HCO3)	36.5	66.0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	<10.0	47.5		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	<0.0700	0.0744	10		10	
Chloride (Cl)	5.54	10.9		250		300
Fluoride (F)	<0.200	0.532	4.0	2.0		2.0
Phosphates (PO4)	0.0370	<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	36.5	66.0				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	5.50	48.0				
Total Hardness	42.0	114				
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)	0.0461	0.0398	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00609	0.0189	1.3		1.3	1.0
Iron (Fe)	1.54	<0.200		0.3		
Lead (Pb)	0.00218	<0.00100	0.15		0.15	
Manganese (Mn)	0.0753	0.0467		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00190	0.00312				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00100	<0.00100		0.10		0.1
Zinc (Zn)	0.0162	<0.0100		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.37*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	7.20*	7.60*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	93.6	290				
Turbidity (NTU)	31.8*	0.108*	0.3		0.3	
Threshold Odor Number	8F	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.