

North Texas Municipal Water District  
 Bonham Water Analysis  
 Jan-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	<50.0	130		500		1000
Silica (SiO2)	3.90	2.89				
Iron (Fe)	0.540	<0.200		0.3		0.3
Calcium (Ca)	12.4	36.0				
Magnesium (Mg)	1.78	1.84				
Sodium (Na)	3.22	6.58				
Potassium (K)	3.10	3.01				
Bicarbonates (HCO3)	43.0	64.0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	6.40	54.4		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	<0.0700	<0.0700	10		10	
Chloride (Cl)	5.17	8.90		250		300
Fluoride (F)	<0.200	0.394	4.0	2.0		2.0
Phosphates (PO4)	0.0320	<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	43.0	64.0				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	37.0	40.0				
Total Hardness	80.0	104				
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	0.0342	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0167	0.0106	1.3		1.3	1.0
Iron (Fe)	0.540	<0.200		0.3		
Lead (Pb)	0.00221	<0.00100	0.15		0.15	
Manganese (Mn)	0.0656	0.0293		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00131	0.00257				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00100	<0.00100		0.10		0.1
Zinc (Zn)	<0.0100	<0.0100		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.25*	4.0		4.0	
Total coliform ( Present / Absent )	P	A	A		A	
pH (Standard Units) @ 25°C	7.30*	8.00*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	111	273				
Turbidity (NTU)	15.7*	0.0751*	0.3		0.3	
Threshold Odor Number	35F	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.**