

**North Texas Municipal Water District  
Water Analysis  
Aug-2007**

<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	256	340		500		1000
Silica (SiO2)	8.96	8.60				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	48.5	56.0				
Magnesium (Mg)	4.93	5.13				
Sodium (Na)	33.1	52.7				
Potassium (K)	4.83	5.01				
Bicarbonates (HCO3)	147	137				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	59.7	121		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.110	<0.0400	10		10	
Chloride (Cl)	54.6	75.4		250		300
Fluoride (F)	0.239	0.519	4.0	2.0		2.0
Phosphates (PO4)	<0.0500	<0.0500				

	<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	120	112				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	26.5	58.3				
Total Hardness	147	170				
Langelier Index	-	[+ 0.326 ]				

**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)	0.0637	0.0463	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00614	0.0431	1.3		1.3	1.0
Iron (Fe)	<0.200	<0.200		0.3		
Lead (Pb)	<0.00100	<0.00100	0.15		0.15	
Manganese (Mn)	0.0172	0.00316		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00281	0.00240				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00100	<0.00100		0.10		0.1
Zinc (Zn)	0.00497	0.00281		5		5

**Other Analysis**

Chlorine Residual (mg/L)	0	2.86	4.0		4.0	
Total coliform ( Present / Absent )	P	A	A		A	
pH (Standard Units) @ 25°C	7.51	7.85		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	451	588				
Turbidity (NTU)	3.13	0.170	0.3		0.3	
Threshold Odor Number	12E	1C				3

**Note: 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: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.**