

**North Texas Municipal Water District  
Water Analysis  
Jul-06**

<b>Mineral Analysis</b>	<b>Raw (mg/L)</b>	<b>Treated (mg/L)</b>	<b>Standards (mg/L)</b>
Residue on Evaporation	480.0	528.0	
Silica (SiO <sub>2</sub> )	9.23	7.94	
Iron (Fe)	0.252	<0.0104	0.3
Calcium (Ca)	50.2	61.6	
Magnesium (Mg)	10.8	10.8	
Sodium (Na)	97.1	104	
Potassium (K)	6.51	6.34	
Bicarbonates (HCO <sub>3</sub> )	105.09	96.54	
Carbonates (CO <sub>3</sub> )	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO <sub>4</sub> )	116.0	153.0	300
Nitrite (NO <sub>2</sub> )	<0.02	<0.02	
Nitrate (NO <sub>3</sub> )	0.289	0.021	
Chloride (Cl)	151.0	160.0	300
Fluoride (F)	0.36	0.73	2
Phosphates (PO <sub>4</sub> )	0.0783	<0.01	

	<b>(mg/L as CaCO<sub>3</sub>)</b>	<b>(mg/L as CaCO<sub>3</sub>)</b>	<b>(mg/L as CaCO<sub>3</sub>)</b>
Total Alkalinity	86	79	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	92	124	
Total Hardness	178	203	
Langelier Index		(+0.2)	

**Trace Element Analysis**

	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>
Arsenic (As)	0.00467	<0.00194	0.05
Barium (Ba)	0.0795	0.0621	1
Cadmium (Cd)	<0.00013	<0.00013	0.01
Chromium (Cr)	<0.00258	<0.00258	0.05
Copper (Cu)	0.0114	0.0362	1
Iron (Fe)	0.252	<0.0104	0.3
Lead (Pb)	0.000379	<0.00021	0.05
Manganese (Mn)	0.0403	0.0007	0.05
Mercury (Hg)	<0.0001	<0.0001	0.002
Nickel (Ni)	0.00402	0.00348	0.1
Selenium (Se)	0.00152	0.00124	
Silver (Ag)	<0.00025	<0.00025	0.05
Zinc (Zn)	0.00935	<0.00643	5

**Other Analyses**

Chlorine Residual (mg/L)		2.86	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	7.6	7.9	6.5-8.5
Specific Conductance (Umhos)	844	928	
Turbidity (NTU)	10	0.12	0.3
Threshold Odor Number	17E	2C	3