

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

<b>Mineral Analysis</b>	<b>Raw (mg/L)</b>	<b>Treated (mg/L)</b>	<b>Standards (mg/L)</b>
Residue on Evaporation	459.0	506.0	
Silica (SiO <sub>2</sub> )	9.03	8.1	
Iron (Fe)	<0.104	<0.104	0.3
Calcium (Ca)	50.6	58.8	
Magnesium (Mg)	7.84	8.89	
Sodium (Na)	79.7	80	
Potassium (K)	4.85	5.11	
Bicarbonates (HCO <sub>3</sub> )	123.42	124.64	
Carbonates (CO <sub>3</sub> )	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO <sub>4</sub> )	102.0	121.0	300
Nitrite (NO <sub>2</sub> )	<0.02	<0.02	
Nitrate (NO <sub>3</sub> )	0.193	0.052	
Chloride (Cl)	120.0	120.0	300
Fluoride (F)	0.36	0.73	2
Phosphates (PO <sub>4</sub> )	0.0476	<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	101	102	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	83	108	
Total Hardness	184	210	
Langelier Index		(+0.5)	

**Trace Element Analysis**

	<b>(mg/L)</b>	<b>(mg/L)</b>	<b>(mg/L)</b>
Arsenic (As)	0.00311	<0.00194	0.05
Barium (Ba)	0.0674	0.056	1
Cadmium (Cd)	<0.00013	<0.00013	0.01
Chromium (Cr)	<0.00258	<0.00258	0.05
Copper (Cu)	0.00803	0.0034	1
Iron (Fe)	<0.104	<0.104	0.3
Lead (Pb)	0.000413	<0.00021	0.05
Manganese (Mn)	0.00869	0.000287	0.05
Mercury (Hg)	<0.0001	<0.0001	0.002
Nickel (Ni)	0.00486	0.00488	0.1
Selenium (Se)	0.00266	0.00216	
Silver (Ag)	<0.00025	<0.00025	0.05
Zinc (Zn)	<0.00643	<0.00643	5

**Other Analyses**

Chlorine Residual (mg/L)		2.94	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	7.8	8	6.5-8.5
Specific Conductance (Umhos)	793	855	
Turbidity (NTU)	15	0.14	0.3
Threshold Odor Number	17E	1C	3