

**North Texas Municipal Water District  
Water Analysis  
Apr-05**

**Mineral Analysis**

	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u> (mg/L)
Residue on Evaporation	308	344	
Silica (SiO <sub>2</sub> )	8.99	7.68	
Iron (Fe)	0.15	<0.104	0.3
Calcium (Ca)	73.5	72.7	
Magnesium (Mg)	4.9	5.07	
Sodium (Na)	41	41	
Potassium (K)	4.39	4.43	
Bicarbonates (HCO <sub>3</sub> )	150.31	140.53	
Carbonates (CO <sub>3</sub> )	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO <sub>4</sub> )	54.2	74.4	300
Nitrite (NO <sub>2</sub> )	<0.01	<0.01	
Nitrate (NO <sub>3</sub> )	0.572	0.334	
Chloride (Cl)	46.6	52.2	300
Fluoride (F)	0.33	0.73	2
Phosphates (PO <sub>4</sub> )	0.85	<0.01	

	(mg/L as CaCO <sub>3</sub> )	(mg/L as CaCO <sub>3</sub> )	(mg/L as CaCO <sub>3</sub> )
Total Alkalinity	123	115	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	36	57	
Total Hardness	159	172	
Langelier Index		0	

**Trace Element Analysis**

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00194	<0.00194	0.05
Barium (Ba)	0.0567	0.0448	1
Cadmium (Cd)	<0.00013	<0.00013	0.01
Chromium (Cr)	<0.00258	<0.00258	0.05
Copper (Cu)	0.0103	0.0536	1
Iron (Fe)	0.15	<0.104	0.3
Lead (Pb)	0.000749	<0.00021	0.05
Manganese (Mn)	0.00813	0.000568	0.05
Mercury (Hg)	<0.0001	<0.0001	0.002
Nickel (Ni)	0.00381	0.00324	0.1
Selenium (Se)	0.00108	<0.00102	
Silver (Ag)	<0.00025	<0.00025	0.05
Zinc (Zn)	0.02	<0.00643	5

**Other Analyses**

Chlorine Residual (mg/L)		2.96	
Total Coliform (Present/Absent)	P	A	

pH (Standard Units)	7.8	7.9	6.5-8.5
Specific Conductance (Umhos)	498	552	
Turbidity (NTU)	5.4	0.18	0.3
Threshold Odor Number	12E	1C	3