

**North Texas Municipal Water District
Water Analysis
May-07**

Mineral Analysis

	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u> (mg/L)
Residue on Evaporation	466.0	544.0	
Silica (SiO ₂)	3.54	2.61	
Iron (Fe)	<0.200	<0.200	0.3
Calcium (Ca)	66.7	79.9	
Magnesium (Mg)	8.49	8.67	
Sodium (Na)	76.9	87.9	
Potassium (K)	4.87	4.77	
Bicarbonates (HCO ₃)	145	123	
Carbonates (CO ₃)	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO ₄)	113.0	189.0	300
Nitrite (NO ₂)	<0.0200	<0.0200	
Nitrate (NO ₃)	1.16	0.982	
Chloride (Cl)	124.0	140.0	300
Fluoride (F)	0.320	0.647	2
Phosphates (PO ₄)	<0.0500	<0.0500	

	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)
Total Alkalinity	118	101	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	8205	126	
Total Hardness	201	226	
Langelier Index		[+0.268]	

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00175	<0.00100	0.05
Barium (Ba)	0.0711	0.0614	1
Cadmium (Cd)	<0.00100	<0.00100	0.01
Chromium (Cr)	<0.00100	<0.00100	0.05
Copper (Cu)	0.00712	0.0552	1
Iron (Fe)	<0.200	<0.200	0.3
Lead (Pb)	<0.00100	<0.00100	0.05
Manganese (Mn)	0.0122	0.00146	0.05
Mercury (Hg)	<0.000100	<0.000100	0.002
Nickel (Ni)	0.0038	0.00372	0.1
Selenium (Se)	<0.00100	<0.00100	
Silver (Ag)	<0.00100	<0.00100	0.05
Zinc (Zn)	0.00382	0.00433	5

Other Analyses

Chlorine Residual (mg/L)	0	2.74	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	7.74	7.82	6.5-8.5

Specific Conductance (Umhos)	785	898	
Turbidity (NTU)	8.85	0.13	0.3
Threshold Odor Number	17E	1C	3