

**North Texas Municipal Water District
Water Analysis
Dec-04**

Mineral Analysis

	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u> (mg/L)
Residue on Evaporation	236	276	
Silica (SiO2)	8.82	7.93	
Iron (Fe)	<0.52	<0.52	0.3
Calcium (Ca)	47.5	47.8	
Magnesium (Mg)	5.27	5.13	
Sodium (Na)	42.9	45.8	
Potassium (K)	4.69	4.23	
Bicarbonates (HCO3)	122.2	111.2	
Carbonates (CO3)	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO4)	57.1	75.6	300
Nitrite (NO2)	<0.02	<0.02	
Nitrate (NO3)	0.594	0.473	
Chloride (Cl)	50.5	67.4	300
Fluoride (F)	0.36	0.79	2
Phosphates (PO4)	0.0211	<0.01	

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	100	91	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	42	65	
Total Hardness	142	156	
Langelier Index		(-01)	

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00207	<0.00194	0.05
Barium (Ba)	0.0512	0.0429	1
Cadmium (Cd)	<0.00013	<0.00013	0.01
Chromium (Cr)	<0.00258	<0.00258	0.05
Copper (Cu)	0.00571	0.0278	1
Iron (Fe)	<0.52	<0.52	0.3
Lead (Pb)	0.00131	0.00128	0.05
Manganese (Mn)	0.00643	0.00079	0.05
Mercury (Hg)	<0.0001	<0.0001	0.002
Nickel (Ni)	0.00396	0.00365	0.1
Selenium (Se)	<0.00102	<0.00102	
Silver (Ag)	<0.00025	<0.00025	0.05
Zinc (Zn)	<0.00643	<0.00643	5

Other Analyses

Chlorine Residual (mg/L)		3.17	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	8.1	7.9	6.5-8.5
Specific Conductance (Umhos)	512	553	
Turbidity (NTU)	37	0.14	0.3
Threshold Odor Number	17E	2C	3