

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

Mineral Analysis

	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u> (mg/L)
Residue on Evaporation	570.0	636.0	
Silica (SiO ₂)	8.56	<8.00	
Iron (Fe)	0.233	<0.0260	0.3
Calcium (Ca)	57.7	61.3	
Magnesium (Mg)	12.5	12.3	
Sodium (Na)	124	133	
Potassium (K)	5.99	6.14	
Bicarbonates (HCO ₃)	98.2	80.1	
Carbonates (CO ₃)	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO ₄)	136.0	188.0	300
Nitrite (NO ₂)	<0.0200	<0.0200	
Nitrate (NO ₃)	0.326	0.124	
Chloride (Cl)	194.0	175.0	300
Fluoride (F)	0.377	0.721	2
Phosphates (PO ₄)	0.0531	0.0143	

	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)
Total Alkalinity	80.4	65.6	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	120	154	
Total Hardness	200	219	
Langelier Index		-0.0353	

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00326	<0.00326	0.05
Barium (Ba)	0.0735	0.0832	1
Cadmium (Cd)	<0.000229	<0.000229	0.01
Chromium (Cr)	<0.00279	<0.00279	0.05
Copper (Cu)	0.0324	0.00762	1
Iron (Fe)	0.233	<0.0260	0.3
Lead (Pb)	<0.0000350	0.000292	0.05
Manganese (Mn)	0.0036	0.0365	0.05
Mercury (Hg)	<0.000100	<0.000100	0.002
Nickel (Ni)	0.00319	0.00351	0.1
Selenium (Se)	<0.00159	<0.00159	
Silver (Ag)	<0.0000130	<0.0000130	0.05
Zinc (Zn)	0.00508	0.00484	5

Other Analyses

Chlorine Residual (mg/L)	0	3.16	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	7.86	7.87	6.5-8.5

Specific Conductance (Umhos)	1010	1100	
Turbidity (NTU)	9.67	0.122	0.3
Threshold Odor Number	12E	2C	3