North Texas Municipal Water District
Water Analysis
Apr-07

Mineral Analysis	**Raw (mg/L)**	**Treated (mg/L)**	**Standards (mg/L)**
Residue on Evaporation	534.0	596.0	
Silica (SiO2)	3.59	2.52	
Iron (Fe)	0.647	<0.200	0.3
Calcium (Ca)	61.8	65.8	
Magnesium (Mg)	11.6	10.9	
Sodium (Na)	54.3	62.5	
Potassium (K)	5.52	5.42	
Bicarbonates (HCO3)	140	117	
Carbonates (CO3)	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO4)	143.0	214.0	300
Nitrite (NO2)	<0.0200	<0.0200	
Nitrate (NO3)	0.829	0.757	
Chloride (Cl)	173.0	169.0	300
Fluoride (F)	0.316	0.653	2
Phosphates (PO4)	<0.0500	<0.0500	

	(mg/L as CaCO3)	**(mg/L as CaCO3)**	**(mg/L as CaCO3)**
Total Alkalinity	114	95.4	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	96.5	131	
Total Hardness	211	227	
Langelier Index		[+0.267]	

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00181	<0.00100	0.05
Barium (Ba)	0.0786	0.064	1
Cadmium (Cd)	<0.00100	<0.00100	0.01
Chromium (Cr)	<0.00100	<0.00100	0.05
Copper (Cu)	0.00654	0.0428	1
Iron (Fe)	0.647	<0.200	0.3
Lead (Pb)	<0.00100	<0.00100	0.05
Manganese (Mn)	0.026	0.0023	0.05
Mercury (Hg)	<0.000100	<0.00100	0.002
Nickel (Ni)	0.0042	0.00384	0.1
Selenium (Se)	<0.00100	<0.00100	
Silver (Ag)	<0.00100	<0.00100	0.05
Zinc (Zn)	0.0126	0.00902	5

Other Analyses

Chlorine Residual (mg/L)	0	2.81	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	7.93	7.96	6.5-8.5

Specific Conductance (Umhos)	860	958	
Turbidity (NTU)	19.5	0.123	0.3
Threshold Odor Number	17E	2C	3