North Texas Municipal Water District
Water Analysis
May-05

Mineral Analysis	**Raw (mg/L)**	**Treated (mg/L)**	**Standards (mg/L)**
Residue on Evaporation	288	292	
Silica (SiO2)	7.31	7.02	
Iron (Fe)	0.245	<0.104	0.3
Calcium (Ca)	55.7	62.9	
Magnesium (Mg)	5.38	5.22	
Sodium (Na)	35.6	41	
Potassium (K)	4.51	4.49	
Bicarbonates (HCO3)	150.31	141.75	
Carbonates (CO3)	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO4)	51.8	75.4	300
Nitrite (NO2)	<0.02	<0.02	
Nitrate (NO3)	0.349	0.247	
Chloride (Cl)	46.2	56.4	300
Fluoride (F)	0.32	0.76	2
Phosphates (PO4)	0.0397	<0.01	

	(mg/L as CaCO3)	**(mg/L as CaCO3)**	**(mg/L as CaCO3)**
Total Alkalinity	123	116	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	35	56	
Total Hardness	158	172	
Langelier Index		(+0.2)	

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00194	<0.00194	0.05
Barium (Ba)	0.0562	0.0513	1
Cadmium (Cd)	<0.00013	<0.00013	0.01
Chromium (Cr)	<0.00258	<0.00258	0.05
Copper (Cu)	0.0179	0.048	1
Iron (Fe)	0.245	<0.104	0.3
Lead (Pb)	0.00054	<0.00021	0.05
Manganese (Mn)	0.0115	0.00142	0.05
Mercury (Hg)	<0.0001	<0.0001	0.002
Nickel (Ni)	0.00377	0.0039	0.1
Selenium (Se)	0.00107	<0.00102	
Silver (Ag)	<0.00025	<0.00025	0.05
Zinc (Zn)	0.0191	<0.00643	5

Other Analyses

Chlorine Residual (mg/L)		2.93	
Total Coliform (Present/Absent)	P	A	

pH (Standard Units)	7.7	7.9	6.5-8.5
Specific Conductance (Umhos)	499	561	
Turbidity (NTU)	2	0.14	0.3
Threshold Odor Number	12E	1C	3