

**North Texas Municipal Water District
Water Analysis
Mar-2008**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	372	324		500		1000
Silica (SiO2)	8.26	7.62				
Iron (Fe)	0.521	<0.200		0.3		0.3
Calcium (Ca)	53.1	61.3				
Magnesium (Mg)	5.89	5.92				
Sodium (Na)	31.5	36.8				
Potassium (K)	4.00	4.69				
Bicarbonates (HCO3)	154	140				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	38.5	45.2		250		
Nitrite (NO2)	0.0380	<0.0200	1		1	
Nitrate (NO3)	0.0810	0.0724	10		10	
Chloride (Cl)	49.0	36.0		250		300
Fluoride (F)	0.262	0.501	4.0	2.0		2.0
Phosphates (PO4)	<0.0500	<0.0500				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	126	115				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	37.6	69.5				
Total Hardness	163	184				
Langelier Index	-	[+ 0.0776]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00500	<0.00500	0.01		0.01	
Barium (Ba)	0.0551	0.0414	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00272	0.0384	1.3		1.3	1.0
Iron (Fe)	0.521	<0.200		0.3		
Lead (Pb)	0.00264	0.00268	0.15		0.15	
Manganese (Mn)	0.0277	<0.00100		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00376	0.00333				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00100	<0.00100		0.10		0.1
Zinc (Zn)	<0.0100	<0.0100		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.74*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	7.88*	7.87*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	481	536				
Turbidity (NTU)	14.9	0.162*	0.3		0.3	
Threshold Odor Number	17E	1C				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note 2: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.

Note 3: * Identifies Monthly Average Process analyses.