

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

Mineral Analysis	Raw (mg/L)	Treated (mg/L)	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	272	324		500		1000
Silica (SiO2)	9.40	7.20				
Iron (Fe)	0.484	<0.200		0.3		0.3
Calcium (Ca)	59.0	64.5				
Magnesium (Mg)	3.90	3.90				
Sodium (Na)	19.4	25.8				
Potassium (K)	4.68	4.48				
Bicarbonates (HCO3)	152	137				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	31.8	52.0		250		
Nitrite (NO2)	0.0290	<0.0200	1		1	
Nitrate (NO3)	0.519	0.692	10		10	
Chloride (Cl)	21.2	24.9		250		300
Fluoride (F)	0.246	0.442	4.0	2.0		2.0
Phosphates (PO4)	0.0570	<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	125	112				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	32.1	62.2				
Total Hardness	157	175				
Langelier Index	-	[+ 0.205]				

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)	0.0530	0.0424	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0172	0.0443	1.3		1.3	1.0
Iron (Fe)	0.484	<0.200		0.3		
Lead (Pb)	0.00346	0.00247	0.15		0.15	
Manganese (Mn)	0.0218	0.00109		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00327	0.00308				
Selenium (Se)	0.00259	0.00166	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)	-	2.94*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	7.84*	7.93*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	413	494				
Turbidity (NTU)	10.9	0.155*	0.3		0.3	
Threshold Odor Number	12E	2C				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.