

**North Texas Municipal Water District
Water Analysis
Feb-2009**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary	EPA Secondary	TCEQ Primary	TCEQ Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	332	378		500		1000
Silica (SiO2)	7.39	6.26				
Iron (Fe)	0.417	<0.200		0.3		0.3
Calcium (Ca)	55.2	57.9				
Magnesium (Mg)	6.40	6.29				
Sodium (Na)	39.6	57.9				
Potassium (K)	4.43	4.57				
Bicarbonates (HCO3)	141	115				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	56.1	76.9		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.338	0.400	10		10	
Chloride (Cl)	45.6	46.5		250		300
Fluoride (F)	0.278	0.582	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	115	94.3				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	55.4	89.3				
Total Hardness	170	184				
Langelier Index	-	[- 0.211]				

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)	0.0581	0.0489	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0136	0.00560	1.3		1.3	1.0
Iron (Fe)	0.417	<0.200		0.3		
Lead (Pb)	<0.00100	<0.00100	0.15		0.15	
Manganese (Mn)	0.0377	0.00219		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00368	0.00360				
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)	-	2.98*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	8.21*	7.77*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	505	642				
Turbidity (NTU)	23.7	0.122*	0.3		0.3	
Threshold Odor Number	50E	12E				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.