

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

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	306	350		500		1000
Silica (SiO2)	8.66	6.38				
Iron (Fe)	0.543	<0.200		0.3		0.3
Calcium (Ca)	59.0	61.6				
Magnesium (Mg)	6.37	6.43				
Sodium (Na)	41.9	50.4				
Potassium (K)	4.65	4.78				
Bicarbonates (HCO3)	143	106				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	60.2	84.2		250		
Nitrite (NO2)	0.0300	<0.0200	1		1	
Nitrate (NO3)	0.466	0.488	10		10	
Chloride (Cl)	50.6	44.5		250		300
Fluoride (F)	0.296	0.649	4.0	2.0		2.0
Phosphates (PO4)	0.0850	0.0410				

	(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	117	86.4				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	61.6	102				
Total Hardness	179	188				
Langelier Index	-	[- 0.492]				

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)	0.0608	0.0514	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0186	0.00557	1.3		1.3	1.0
Iron (Fe)	0.543	<0.200		0.3		
Lead (Pb)	<0.00100	<0.00100	0.15		0.15	
Manganese (Mn)	0.0278	0.00155		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00379	0.00334				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00100	<0.00100		0.10		0.1
Zinc (Zn)	0.0106	<0.0100		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.91*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	8.02*	7.40*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	553	626				
Turbidity (NTU)	16.7	0.122*	0.3		0.3	
Threshold Odor Number	35F	50CL				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.