

**North Texas Municipal Water District
Water Analysis
Oct-2007**

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	254	304		500		1000
Silica (SiO2)	9.91	8.58				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	48.2	53.5				
Magnesium (Mg)	4.65	4.69				
Sodium (Na)	32.3	44.3				
Potassium (K)	4.64	4.71				
Bicarbonates (HCO3)	129	117				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	58.0	78.8		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.399	0.187	10		10	
Chloride (Cl)	47.8	53.0		250		300
Fluoride (F)	0.254	0.432	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	106	95.7				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	28.3	59.3				
Total Hardness	134	155				
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)	0.0483	0.0376	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00682	0.0260	1.3		1.3	1.0
Iron (Fe)	<0.200	<0.200		0.3		
Lead (Pb)	<0.00100	<0.00100	0.15		0.15	
Manganese (Mn)	0.00847	0.00124		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00271	0.00265				
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)	0	2.97	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	7.65	7.92		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	440	544				
Turbidity (NTU)	3.48	0.163	0.3		0.3	
Threshold Odor Number	12C	1C				3

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