

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

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	278	320		500		1000
Silica (SiO2)	6.57	5.86				
Iron (Fe)	0.251	<0.200		0.3		0.3
Calcium (Ca)	53.6	52.5				
Magnesium (Mg)	5.53	5.55				
Sodium (Na)	44.4	43.2				
Potassium (K)	4.50	4.53				
Bicarbonates (HCO3)	119	103				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	34.7	80.6		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	6.87	0.164	10		10	
Chloride (Cl)	29.2	43.4		250		300
Fluoride (F)	0.291	0.616	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	97.7	84.0				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	40.8	78.4				
Total Hardness	139	162				
Langelier Index	-	[- 0.460]				

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)	0.0534	0.0410	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0209	0.0414	1.3		1.3	1.0
Iron (Fe)	0.251	<0.200		0.3		
Lead (Pb)	<0.00100	<0.00100	0.15		0.15	
Manganese (Mn)	0.0345	0.00106		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00311	0.00321				
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)	-	3.00*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	7.82*	7.61*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	464	554				
Turbidity (NTU)	5.99	0.133*	0.3		0.3	
Threshold Odor Number	6E	1E				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.