

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

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	276	300		500		1000
Silica (SiO2)	7.80	6.52				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	41.1	49.2				
Magnesium (Mg)	5.31	5.45				
Sodium (Na)	37.7	41.5				
Potassium (K)	5.21	5.32				
Bicarbonates (HCO3)	130	119				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	44.4	74.6		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.323	0.209	10		10	
Chloride (Cl)	47.0	53.2		250		300
Fluoride (F)	0.252	0.428	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	97.7				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	30.0	59.6				
Total Hardness	136	157				
Langelier Index	-	[+ 0.246]				

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)	0.0506	0.0393	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00782	0.0310	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)	0.0200	<0.00100		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00308	0.00303				
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	3.08	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25°C	7.84	8.06		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	447	510				
Turbidity (NTU)	4.41	0.154	0.3		0.3	
Threshold Odor Number	4E	2C				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.