

**North Texas Municipal Water District
Water Analysis
Jan-05**

Mineral Analysis

	Raw (mg/L)	Treated (mg/L)	Standards (mg/L)
Residue on Evaporation	276	300	
Silica (SiO ₂)	9.84	7.9	
Iron (Fe)	1.05	<0.104	0.3
Calcium (Ca)	56.5	58.9	
Magnesium (Mg)	5.04	5.01	
Sodium (Na)	40.9	46.9	
Potassium (K)	5.42	5.26	
Bicarbonates (HCO ₃)	133.2	118.53	
Carbonates (CO ₃)	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO ₄)	48.8	73.4	300
Nitrite (NO ₂)	<0.02	<0.02	
Nitrate (NO ₃)	0.732	0.639	
Chloride (Cl)	47.2	63.6	300
Fluoride (F)	0.32	0.8	2
Phosphates (PO ₄)	0.085	<0.01	

	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)
Total Alkalinity	109	97	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	41	63	
Total Hardness	150	160	
Langelier Index		(-02)	

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00272	<0.00194	0.05
Barium (Ba)	0.0442	0.0384	1
Cadmium (Cd)	<0.00013	<0.00013	0.01
Chromium (Cr)	<0.00258	<0.00258	0.05
Copper (Cu)	0.00217	0.0399	1
Iron (Fe)	1.05	<0.104	0.3
Lead (Pb)	0.00191	0.00144	0.05
Manganese (Mn)	0.0224	0.00183	0.05
Mercury (Hg)	<0.0001	<0.0001	0.002
Nickel (Ni)	0.00515	0.0034	0.1
Selenium (Se)	0.00107	<0.00102	
Silver (Ag)	<0.00025	<0.00025	0.05
Zinc (Zn)	0.0237	<0.00643	5

Other Analyses

Chlorine Residual (mg/L)		3.09	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	8.2	7.9	6.5-8.5
Specific Conductance (Umhos)	454	521	
Turbidity (NTU)	33	0.17	0.3
Threshold Odor Number	12E	1C	3