

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham

Water Analysis

Nov-2019

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	74.0	168		500		1000
Silica (SiO2)	4.89	4.73				
Iron (Fe)	0.415	0.323		0.3		0.3
Calcium (Ca)	13.3	42.7				
Magnesium (Mg)	1.62	1.79				
Sodium (Na)	3.29	12.4				
Potassium (K)	3.04	2.76				
Sulfate (SO4)	2.11	53.9		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	<0.0500	0.177	10		10	
Chloride (Cl)	2.93	14.5		250		300
Fluoride (F)	0.0920	0.544	4.0	2.0	4	2.0
Phosphates (PO4)	0.0810	<0.0100				
	(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	58.2 *	71.6 *				
Total Hardness	43.4	111				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00215	0.00104	0.01		0.01	
Barium (Ba)	0.0489	0.0327	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00181	0.00235	1.3	1	1.3	1.0
Iron (Fe)	0.415	0.323		0.3		0.3
Lead (Pb)	0.000884	<0.000500	0.015		0.015	
Manganese (Mn)	0.0785	0.00310		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00113	0.00394				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00331	0.00261		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.94	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.24 *	7.81 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	112	303				
Turbidity (NTU)	10.8 *	0.05 *	0.3		0.3	
Threshold Odor Number	17.0	2.0				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. ** No odor analysis performed.