

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham

Water Analysis

Feb-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	114	216		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	1.44	0.319		0.3		0.3
Calcium (Ca)	12.7	60.1				
Magnesium (Mg)	1.80	2.13				
Sodium (Na)	3.50	11.2				
Potassium (K)	2.87	2.54				
Sulfate (SO4)	2.64	67.4		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	<0.0500	0.152	10		10	
Chloride (Cl)	2.59	12.2		250		300
Fluoride (F)	0.0600	0.519	4.0	2.0	4	2.0
Phosphates (PO4)	0.117	<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	43.0 *	67.8 *				
Total Hardness	67.4	129				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00120	<0.00050	0.01		0.01	
Barium (Ba)	0.0504	0.0406	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00554	0.00157	1.3	1	1.3	1.0
Iron (Fe)	1.44	0.319		0.3		0.3
Lead (Pb)	0.00122	<0.000500	0.015		0.015	
Manganese (Mn)	0.0615	0.00251		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00216	0.00474				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00472	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.88	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.12 *	7.98 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	87.3	322				
Turbidity (NTU)	37.6 *	0.05 *	0.3		0.3	
Threshold Odor Number	33.0	1.0				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.