

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham

Water Analysis

Jan-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	92.0	176		500		1000
Silica (SiO2)	3.19	2.33				
Iron (Fe)	1.68	0.227		0.3		0.3
Calcium (Ca)	11.9	45.3				
Magnesium (Mg)	1.68	1.91				
Sodium (Na)	2.74	8.74				
Potassium (K)	2.68	2.42				
Sulfate (SO4)	2.20	61.6		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.0500	0.144	10		10	
Chloride (Cl)	1.93	9.26		250		300
Fluoride (F)	0.0550	0.489	4.0	2.0	4	2.0
Phosphates (PO4)	0.196	0.0160				
	(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	41.8 *	60.1 *				
Total Hardness	31.8	114				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00110	<0.00050	0.01		0.01	
Barium (Ba)	0.0449	0.0372	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00355	0.00149	1.3	1	1.3	1.0
Iron (Fe)	1.68	0.227		0.3		0.3
Lead (Pb)	0.00124	<0.000500	0.015		0.015	
Manganese (Mn)	0.0452	0.00204		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00230	0.00388				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00764	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.14	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.01 *	7.94 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	78.7	280				
Turbidity (NTU)	38.1 *	0.04 *	0.3		0.3	
Threshold Odor Number	4.0	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.