

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Oct-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	124	216		500		1000
Silica (SiO ₂)	6.43	6.13				
Iron (Fe)	0.231	0.217		0.3		0.3
Calcium (Ca)	15.1	42.9				
Magnesium (Mg)	1.83	2.21				
Sodium (Na)	4.45	11.4				
Potassium (K)	3.55	3.53				
Sulfate (SO ₄)	1.48	58.2		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.0500	0.136	10		10	
Chloride (Cl)	7.85	13.3		250		300
Fluoride (F)	0.0890	0.567	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.0870	<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	60.9 *	70.4 *				
Total Hardness	44.0	110				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00527	0.00094	0.01		0.01	
Barium (Ba)	0.0497	0.0449	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.145	0.00322	1.3	1	1.3	1.0
Iron (Fe)	0.231	0.217		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0679	0.00997		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	<0.00100	0.00392				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00578	0.00258		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.89	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.40 *	7.84 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	133	301				
Turbidity (NTU)	14.6 *	0.09 *	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.