

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Sep-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	86.0	230		500		1000
Silica (SiO ₂)	5.47	5.03				
Iron (Fe)	1.51	0.385		0.3		0.3
Calcium (Ca)	15.2	50.7				
Magnesium (Mg)	1.50	1.85				
Sodium (Na)	3.41	17.0				
Potassium (K)	3.02	2.99				
Sulfate (SO ₄)	1.36	67.2		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.121	10		10	
Chloride (Cl)	2.78	19.9		250		300
Fluoride (F)	0.0930	0.661	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.225	<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	56.2 *	70.8 *				
Total Hardness	49.8	121				
Langelier Index	--	--				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00624	0.00082	0.01		0.01	
Barium (Ba)	0.219	0.0555	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00164	0.00542	1.3	1	1.3	1.0
Iron (Fe)	1.51	0.385		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.847	0.0104		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00111	0.00605				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	<0.00250	0.00319		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.56	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.26 *	7.82 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	116	344				
Turbidity (NTU)	15.3 *	0.10 *	0.3		0.3	
Threshold Odor Number	17.0	4.0				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.