

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Aug-2021

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	95.0	232		500		1000
Silica (SiO ₂)	4.80	4.81				
Iron (Fe)	0.543	0.311		0.3		0.3
Calcium (Ca)	16.6	58.9				
Magnesium (Mg)	2.22	3.02				
Sodium (Na)	16.1	14.1				
Potassium (K)	3.70	3.77				
Sulfate (SO ₄)	2.17	80.8		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.0510	0.197	10		10	
Chloride (Cl)	6.59	17.9		250		300
Fluoride (F)	0.104	0.582	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.142	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	69.2 *	85.3 *				
Total Hardness	70.0	178				
Langelier Index	--	-0.071				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00576	0.00088	0.01		0.01	
Barium (Ba)	0.164	0.0743	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.172	0.00751	1.3	1	1.3	1.0
Iron (Fe)	0.543	0.311		0.3		0.3
Lead (Pb)	0.000682	<0.000500	0.015		0.015	
Manganese (Mn)	0.300	0.0377		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00148	0.00632				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00408	0.00377		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.86	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.17 *	7.95 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	140	370				
Turbidity (NTU)	16.5 *	0.07 *	0.3		0.3	
Threshold Odor Number	2	<1				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.