

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham
Water Analysis
Jul-2022

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	117	235		500		1000
Silica (SiO ₂)	4.96	4.51				
Iron (Fe)	2.44	<0.200		0.3		0.3
Calcium (Ca)	19.0	53.2				
Magnesium (Mg)	2.58	2.74				
Sodium (Na)	4.69	17.8				
Potassium (K)	4.59	4.56				
Sulfate (SO ₄)	1.69	68.9		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.176	10		10	
Chloride (Cl)	4.59	24.6		250		300
Fluoride (F)	0.123	0.867	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.256	<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	76.1 *	83.6 *				
Total Hardness	60.0	140				
Langelier Index	--	0.352				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00973	0.00181	0.01		0.01	
Barium (Ba)	0.0712	0.0701	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00419	0.00319	1.3	1	1.3	1.0
Iron (Fe)	2.44	<0.200		0.3		0.3
Lead (Pb)	0.00149	<0.000500	0.015		0.015	
Manganese (Mn)	0.858	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00169	0.00589				
Selenium (Se)	0.00143	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00487	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.93	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.39 *	8.06 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	140	354				
Turbidity (NTU)	17.6 *	0.07 *	0.3		0.3	
Threshold Odor Number	<1.00	<1.00				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.