

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham

Water Analysis

May-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	120	231		500		1000
Silica (SiO2)	5.67	4.43				
Iron (Fe)	1.71	<0.200		0.3		0.3
Calcium (Ca)	17.3	56.7				
Magnesium (Mg)	2.20	2.52				
Sodium (Na)	4.59	15.1				
Potassium (K)	3.91	4.03				
Sulfate (SO4)	3.02	73.2		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.0760	0.375	10		10	
Chloride (Cl)	4.33	21.4		250		300
Fluoride (F)	0.103	0.172	4.0	2.0	4	2.0
Phosphates (PO4)	0.162	<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	65.8 *	81.1 *				
Total Hardness	56.0	140				
Langelier Index	--	-0.007				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00200	<0.00050	0.01		0.01	
Barium (Ba)	0.0582	0.0694	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00379	0.00387	1.3	1	1.3	1.0
Iron (Fe)	1.71	<0.200		0.3		0.3
Lead (Pb)	0.00104	<0.000500	0.015		0.015	
Manganese (Mn)	0.267	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00191	0.00603				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00346	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	2.79	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)	127	361				
Turbidity (NTU)	30.3 *	0.10 *	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.