

NORTH TEXAS MUNICIPAL WATER DISTRICT - Bonham

Water Analysis

Oct-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	113	235		500		1000
Silica (SiO2)	6.54	6.46				
Iron (Fe)	0.322	<0.200		0.3		0.3
Calcium (Ca)	19.9	52.7				
Magnesium (Mg)	3.05	3.06				
Sodium (Na)	5.08	16.8				
Potassium (K)	5.62	4.94				
Sulfate (SO4)	1.60	71.4		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	<0.0500	0.221	10		10	
Chloride (Cl)	4.99	22.5		250		300
Fluoride (F)	0.137	0.492	4.0	2.0	4	2.0
Phosphates (PO4)	0.101	0.0120				
	(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	78.8 *	83.2 *				
Total Hardness	60.0	130				
Langelier Index	--	0.028				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00856	0.00148	0.01		0.01	
Barium (Ba)	0.0871	0.0751	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0746	0.00612	1.3	1	1.3	1.0
Iron (Fe)	0.322	<0.200		0.3		0.3
Lead (Pb)	0.000506	<0.000500	0.015		0.015	
Manganese (Mn)	0.205	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00108	0.00394				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	<0.00250	0.00310		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.09	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.73 *	8.03 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	153	367				
Turbidity (NTU)	15.5 *	0.08 *	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.