

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Feb-2020

Mineral Analysis	Raw	Treated	Standards			
			EPA	EPA	TCEQ	TCEQ
			Primary	Secondary	Primary	Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	452	504		500		1000
Silica (SiO2)	6.02	5.22				
Iron (Fe)	0.654	0.313		0.3		0.3
Calcium (Ca)	81.8	75.5				
Magnesium (Mg)	11.1	9.22				
Sodium (Na)	74.6	75.3				
Potassium (K)	5.00	4.95				
Sulfate (SO4)	102	154		250		
Nitrite (NO2)	0.0110	<0.0100	1		1	
Nitrate (NO3)	0.873	0.902	10		10	
Chloride (Cl)	82.0	78.9		250		300
Fluoride (F)	0.264	0.263 *	4.0	2.0	4.0	2.0
Phosphates (PO4)	0.0750	<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	129 *	106 *				
Total Hardness	211	207				
Langelier Index		0.3550				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00148	0.00050	0.01		0.01	
Barium (Ba)	0.0737	0.0579	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.00955	0.00126	1.3	1	1.3	1.0
Iron (Fe)	0.654	0.313		0.3		0.3
Lead (Pb)	0.000386	<0.000250	0.015		0.015	
Manganese (Mn)	0.0227	0.00214		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00469	0.00772				
Selenium (Se)	0.000988	0.000608	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00611	0.00153		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.49 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.36 *	8.28 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	723 *	767 *				
Turbidity (NTU)	14.9 *	0.0444 *	0.3		0.3	
Threshold Odor Number	4.0	2.0				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.