

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie
Water Analysis
Oct-2020

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	458	426		500		1000
Silica (SiO ₂)	4.37	4.41				
Iron (Fe)	0.401	0.209		0.3		0.3
Calcium (Ca)	41.8	39.1				
Magnesium (Mg)	10.6	4.97				
Sodium (Na)	55.9	51.7				
Potassium (K)	4.51	4.26				
Sulfate (SO ₄)	77.3	101		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	0.0880	0.155	10		10	
Chloride (Cl)	82.3	48.5		250		300
Fluoride (F)	0.265	0.526 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0720	<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	96.1 *	76.6 *				
Total Hardness	150	109				
Langelier Index		0.5300				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00321	0.00058	0.01		0.01	
Barium (Ba)	0.0692	0.0445	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	0.00308	<0.00125	0.1		0.1	
Copper (Cu)	0.0100	0.00438	1.3	1	1.3	1.0
Iron (Fe)	0.401	0.209		0.3		0.3
Lead (Pb)	<0.000250	<0.000250	0.015		0.015	
Manganese (Mn)	0.0256	0.00454		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00322	0.00580				
Selenium (Se)	0.00107	<0.000500	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00347	0.00312		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.77 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.31 *	8.26 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	583 *	505 *				
Turbidity (NTU)	11.2 *	0.0511 *	0.3		0.3	
Threshold Odor Number	17.0	1.0				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.