

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Nov-2021**

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	291	360		500		1000
Silica (SiO ₂)	6.37	5.74				
Iron (Fe)	0.442	0.291		0.3		0.3
Calcium (Ca)	43.5	48.1				
Magnesium (Mg)	7.60	8.23				
Sodium (Na)	44.5	74.3				
Potassium (K)	5.77	5.84				
Sulfate (SO ₄)	52.2	113		250		
Nitrite (NO ₂)	0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.274	0.336	10		10	
Chloride (Cl)	55.6	67.1		250		300
Fluoride (F)	0.262	0.430 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.114	<0.0200				

	(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	99.5 *	82.9 *				
Total Hardness	132	142				
Langelier Index		0.1580				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00258	0.00050	0.01		0.01	
Barium (Ba)	0.0577	0.0523	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0305	0.00166	1.3	1	1.3	1.0
Iron (Fe)	0.442	0.291		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0441	0.00494		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00386	0.00631				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.0102	0.00704		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.94 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.33 *	8.30 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	488 *	608 *				
Turbidity (NTU)	13.3 *	0.0683 *	0.3		0.3	
Threshold Odor Number	4	4				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.