

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Aug-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	298	382		500		1000
Silica (SiO ₂)	6.48	5.97				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	36.7	36.9				
Magnesium (Mg)	9.18	8.58				
Sodium (Na)	47.3	66.9				
Potassium (K)	7.21	6.52				
Sulfate (SO ₄)	61.4	112		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.116	10		10	
Chloride (Cl)	59.3	70.5		250		300
Fluoride (F)	0.352	0.454 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.125	0.0360				

	(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	96.2 *	79.2 *				
Total Hardness	114	126				
Langelier Index		-0.4450				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00576	0.00101	0.01		0.01	
Barium (Ba)	0.0593	0.0511	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00299	0.00274	1.3	1	1.3	1.0
Iron (Fe)	<0.200	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0562	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00375	0.00603				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	<0.00250	0.00450		5		5

Other Analysis

Chlorine Residual (mg/L)	--	4.04 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.02 *	7.96 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	486 *	599 *				
Turbidity (NTU)	10.7 *	0.102 *	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.