

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Oct-2022**

Mineral Analysis	Standards					
	Raw	Treated	EPA Primary	EPA Secondary	TCEQ Primary	TCEQ Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	392	413		500		1000
Silica (SiO ₂)	6.29	6.16				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	35.2	37.1				
Magnesium (Mg)	7.03	12.4				
Sodium (Na)	46.5	75.8				
Potassium (K)	6.00	8.41				
Sulfate (SO ₄)	81.5	114		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.0750	0.152	10		10	
Chloride (Cl)	88.1	76.7		250		300
Fluoride (F)	0.350	0.564 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.113	<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	98.3 *	80.2 *				
Total Hardness	130	122				
Langelier Index		-0.1040				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00469	0.00084	0.01		0.01	
Barium (Ba)	0.0686	0.0529	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00153	0.00325	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)	0.0639	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00366	0.00569				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00358	0.00710		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.97 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.10 *	8.06 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	619 *	616 *				
Turbidity (NTU)	13.9 *	0.0812 *	0.3		0.3	
Threshold Odor Number	<1.00	2.00				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.