

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Feb-2023**

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	363	410		500		1000
Silica (SiO ₂)	4.29	4.13				
Iron (Fe)	0.214	<0.200		0.3		0.3
Calcium (Ca)	56.9	56.4				
Magnesium (Mg)	12.5	11.1				
Sodium (Na)	62.6	79.6				
Potassium (K)	7.03	6.69				
Sulfate (SO ₄)	75.5	130		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.793	1.05	10		10	
Chloride (Cl)	73.5	73.8		250		300
Fluoride (F)	0.334	0.714 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0710	<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	117 *	107 *				
Total Hardness	178	160				
Langelier Index		0.2042				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00203	0.00063	0.01		0.01	
Barium (Ba)	0.0600	0.0508	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0151	0.00182	1.3	1	1.3	1.0
Iron (Fe)	0.214	<0.200		0.3		0.3
Lead (Pb)	0.000525	<0.000500	0.015		0.015	
Manganese (Mn)	0.0502	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00481	0.00810				
Selenium (Se)	0.00132	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00492	0.00447		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.55 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.17 *	8.10 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	581 *	649 *				
Turbidity (NTU)	15.2 *	0.0618 *	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.