

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

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	262	328		500		1000
Silica (SiO ₂)	7.07	5.57				
Iron (Fe)	0.248	<0.200		0.3		0.3
Calcium (Ca)	46.6	46.3				
Magnesium (Mg)	5.95	6.54				
Sodium (Na)	34.6	55.1				
Potassium (K)	6.41	6.78				
Sulfate (SO ₄)	9.07	21.1		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.698	0.878	10		10	
Chloride (Cl)	7.3	8.9		250		300
Fluoride (F)	0.359	0.632 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0780	<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 *	97.4 *				
Total Hardness	124	128				
Langelier Index		-0.1313				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00209	0.00063	0.01		0.01	
Barium (Ba)	0.0456	0.0396	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0147	0.00151	1.3	1	1.3	1.0
Iron (Fe)	0.248	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0610	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00389	0.00690				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00517	0.00833		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.64 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.14 *	8.12 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	411 *	506 *				
Turbidity (NTU)	13.0 *	0.0654 *	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.