

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Jul-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	243	344		500		1000
Silica (SiO ₂)	5.02	4.46				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	32.7	36.6				
Magnesium (Mg)	8.77	10.2				
Sodium (Na)	38.8	62.3				
Potassium (K)	8.52	7.98				
Sulfate (SO ₄)	51.7	107		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.115	10		10	
Chloride (Cl)	46.1	63.9		250		300
Fluoride (F)	0.319	0.468 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0750	<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	99.4 *	83.5 *				
Total Hardness	102	116				
Langelier Index		-0.1750				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00600	0.00177	0.01		0.01	
Barium (Ba)	0.0488	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)	0.00849	0.00782	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)	<0.0250	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00390	0.00724				
Selenium (Se)	0.00127	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00937	0.0107		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.89 *	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)	410 *	566 *				
Turbidity (NTU)	10.2 *	0.0716 *	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.