

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Aug-2021**

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	237	305		500		1000
Silica (SiO ₂)	4.82	7.08				
Iron (Fe)	0.237	0.131		0.3		0.3
Calcium (Ca)	40.2	44.9				
Magnesium (Mg)	5.69	5.79				
Sodium (Na)	29.3	51.5				
Potassium (K)	4.66	4.72				
Sulfate (SO ₄)	38.9	91.3		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	<0.0500	0.160	10		10	
Chloride (Cl)	35.2	45.2		250		300
Fluoride (F)	0.230	0.430 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0770	<0.0100				

	(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	102 *	86.2 *				
Total Hardness	122	128				
Langelier Index		0.3930				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00621	0.00083	0.01		0.01	
Barium (Ba)	0.0561	0.0533	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0278	0.00294	1.3	1	1.3	1.0
Iron (Fe)	0.237	0.131		0.3		0.3
Lead (Pb)	0.000393	<0.000250	0.015		0.015	
Manganese (Mn)	0.130	0.0165		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00275	0.00468				
Selenium (Se)	0.000767	<0.000500	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0186	0.00559		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.88 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	7.98 *	8.23 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	418 *	537 *				
Turbidity (NTU)	11.5 *	0.0818 *	0.3		0.3	
Threshold Odor Number	2	1				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.