

**NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**

**Water Analysis**

**Aug-2020**

<u>Mineral Analysis</u>	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u>			
			<u>EPA</u> <u>Primary</u> (mg/L)	<u>EPA</u> <u>Secondary</u> (mg/L)	<u>TCEQ</u> <u>Primary</u> (mg/L)	<u>TCEQ</u> <u>Secondary</u> (mg/L)
			Residue on Evaporation	347	352	
Silica (SiO <sub>2</sub> )	7.14	3.67				
Iron (Fe)	0.376	0.214		0.3		0.3
Calcium (Ca)	45.8	48.1				
Magnesium (Mg)	10.3	7.13				
Sodium (Na)	50.5	59.8				
Potassium (K)	4.18	3.66				
Sulfate (SO <sub>4</sub> )	73.3	115		250		
Nitrite (NO <sub>2</sub> )	0.0130	<0.0100	1		1	
Nitrate (NO <sub>3</sub> )	<0.0500	0.140	10		10	
Chloride (Cl)	71.6	60.4		250		300
Fluoride (F)	0.250	0.420 *	4.0	2.0	4.0	2.0
Phosphates (PO <sub>4</sub> )	0.0920	0.0140				

	(mg/L as CaCO <sub>3</sub> )	(mg/L as CaCO <sub>3</sub> )	(mg/L as CaCO <sub>3</sub> )	(mg/L as CaCO <sub>3</sub> )	(mg/L as CaCO <sub>3</sub> )	(mg/L as CaCO <sub>3</sub> )
Total Alkalinity	89.0 *	72.3 *				
Total Hardness	156	137				
Langelier Index		0.4170				

**Trace Element Analysis**

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00581	0.00109	0.01		0.01	
Barium (Ba)	0.0757	0.0517	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0246	0.00362	1.3	1	1.3	1.0
Iron (Fe)	0.376	0.214		0.3		0.3
Lead (Pb)	0.000317	<0.000250	0.015		0.015	
Manganese (Mn)	0.0524	0.00660		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00333	0.00658				
Selenium (Se)	0.000700	0.000546	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00759	0.00207		5		5

**Other Analysis**

Chlorine Residual (mg/L)	--	3.72 *	4.0		4.0	
Total coliform ( Present / Absent )	--	A *	A		A	
pH (Standard Units) @ 25°C	8.14 *	8.27 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	571 *	587 *				
Turbidity (NTU)	11.7 *	0.0550 *	0.3		0.3	
Threshold Odor Number	4.0	4.0				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.**