

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Sep-2019**

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	334	382		500		1000
Silica (SiO ₂)	6.87	6.17				
Iron (Fe)	0.396	0.352		0.3		0.3
Calcium (Ca)	46.6	57.2				
Magnesium (Mg)	6.93	6.23				
Sodium (Na)	40.7	71.2				
Potassium (K)	3.99	4.00				
Sulfate (SO ₄)	63.1	123		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	<0.0500	0.113	10		10	
Chloride (Cl)	49.2	60.5		250		300
Fluoride (F)	0.241	0.244 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0730	<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	95.0 *	76.7 *				
Total Hardness	138	151				
Langelier Index		0.6010				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00555	0.00066	0.01		0.01	
Barium (Ba)	0.0648	0.0563	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0407	0.00269	1.3	1	1.3	1.0
Iron (Fe)	0.396	0.352		0.3		0.3
Lead (Pb)	0.000319	<0.000250	0.015		0.015	
Manganese (Mn)	0.0558	0.0107		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00379	0.00664				
Selenium (Se)	0.00104	0.000874	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00909	0.00289		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.46 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.17 *	8.22 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	486 *	634 *				
Turbidity (NTU)	11.8 *	0.0596 *	0.3		0.3	
Threshold Odor Number	17.0	Lab Error				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.