

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

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	482	432		500		1000
Silica (SiO ₂)	8.19	6.85				
Iron (Fe)	0.873	0.355		0.3		0.3
Calcium (Ca)	89.2	61.9				
Magnesium (Mg)	14.7	9.04				
Sodium (Na)	96.3	64.1				
Potassium (K)	3.78	3.49				
Sulfate (SO ₄)	69.7	103		250		
Nitrite (NO ₂)	0.0120	<0.0100	1		1	
Nitrate (NO ₃)	0.613	0.821	10		10	
Chloride (Cl)	82.8	59.1		250		300
Fluoride (F)	0.201	0.209 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.114	<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	139 *	116 *				
Total Hardness	246	191				
Langelier Index		0.4770				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00217	0.00047	0.01		0.01	
Barium (Ba)	0.0911	0.0566	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0177	0.00203	1.3	1	1.3	1.0
Iron (Fe)	0.873	0.355		0.3		0.3
Lead (Pb)	0.000454	<0.000250	0.015		0.015	
Manganese (Mn)	0.0253	0.00346		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00538	0.00820				
Selenium (Se)	0.00132	0.00100	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00656	0.00500		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.53 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.35 *	8.25 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	708 *	677 *				
Turbidity (NTU)	13.5 *	0.0716 *	0.3		0.3	
Threshold Odor Number	3.0	2.0				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.