

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****May-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	404	420		500		1000
Silica (SiO ₂)	3.97	2.76				
Iron (Fe)	0.646	0.410		0.3		0.3
Calcium (Ca)	56.7	57.5				
Magnesium (Mg)	8.54	6.87				
Sodium (Na)	45.4	47.5				
Potassium (K)	3.46	3.09				
Sulfate (SO ₄)	63.6	122		250		
Nitrite (NO ₂)	0.0140	<0.0100	1		1	
Nitrate (NO ₃)	0.711	0.863	10		10	
Chloride (Cl)	49.4	46.8		250		300
Fluoride (F)	0.209	0.215 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0740	<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	140 *	113 *				
Total Hardness	185	178				
Langelier Index		0.2740				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00214	0.00052	0.01		0.01	
Barium (Ba)	0.0692	0.0531	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0150	0.00327	1.3	1	1.3	1.0
Iron (Fe)	0.646	0.410		0.3		0.3
Lead (Pb)	0.000373	<0.000250	0.015		0.015	
Manganese (Mn)	0.0254	0.00951		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00512	0.00810				
Selenium (Se)	0.000983	0.000963	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00582	0.00239		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.54 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.22 *	8.28 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	561 *	622 *				
Turbidity (NTU)	13.3 *	0.0610 *	0.3		0.3	
Threshold Odor Number	2.0	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.