

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Apr-2020**

Mineral Analysis	Standards					
	Raw	Treated	EPA	EPA	TCEQ	TCEQ
	(mg/L)	(mg/L)	Primary	Secondary	Primary	Secondary
			(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	267	310		500		1000
Silica (SiO ₂)	8.41	7.22				
Iron (Fe)	2.42	0.193		0.3		0.3
Calcium (Ca)	65.5	68.0				
Magnesium (Mg)	3.22	2.61				
Sodium (Na)	15.9	34.8				
Potassium (K)	4.29	3.65				
Sulfate (SO ₄)	32.0	89.3		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	0.718	0.920	10		10	
Chloride (Cl)	14.3	23.2		250		300
Fluoride (F)	0.229	0.339 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.249	0.0150				

	(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	128 *	109 *				
Total Hardness	183	160				
Langelier Index		0.6050				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00181	0.00032	0.01		0.01	
Barium (Ba)	0.0546	0.0399	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	0.00440	<0.00125	0.1		0.1	
Copper (Cu)	0.0338	0.00108	1.3	1	1.3	1.0
Iron (Fe)	2.42	0.193		0.3		0.3
Lead (Pb)	0.00196	<0.000250	0.015		0.015	
Manganese (Mn)	0.0372	0.00667		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00593	0.00651				
Selenium (Se)	<0.000500	<0.000500	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0175	0.00207		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.49 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.26 *	8.3 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	370 *	488 *				
Turbidity (NTU)	19.0 *	0.969 *	0.3		0.3	
Threshold Odor Number	8.0	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.