

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

Mineral Analysis	Standards					
	Raw	Treated	EPA	EPA	TCEQ	TCEQ
	(mg/L)	(mg/L)	Primary (mg/L)	Secondary (mg/L)	Primary (mg/L)	Secondary (mg/L)
Residue on Evaporation	350	352		500		1000
Silica (SiO ₂)	6.60	5.75				
Iron (Fe)	0.354	0.203		0.3		0.3
Calcium (Ca)	62.0	53.3				
Magnesium (Mg)	12.4	8.58				
Sodium (Na)	78.4	74.4				
Potassium (K)	4.66	4.35				
Sulfate (SO ₄)	76.9	110		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	<0.0500	0.0780	10		10	
Chloride (Cl)	79.2	59.2		250		300
Fluoride (F)	0.249	0.494 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0830	<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	100 *	84.7 *				
Total Hardness	160	139				
Langelier Index		0.3330				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00511	0.00064	0.01		0.01	
Barium (Ba)	0.0709	0.0463	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0215	0.00166	1.3	1	1.3	1.0
Iron (Fe)	0.354	0.203		0.3		0.3
Lead (Pb)	0.000408	<0.000250	0.015		0.015	
Manganese (Mn)	0.0353	0.00596		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00358	0.00640				
Selenium (Se)	0.000986	0.000528	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00599	0.00157		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.61 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.08 *	8.35 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	588 *	576 *				
Turbidity (NTU)	12.8 *	0.0471 *	0.3		0.3	
Threshold Odor Number	17.0	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.