

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

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	372	368		500		1000
Silica (SiO ₂)	3.51	2.88				
Iron (Fe)	0.388	0.212		0.3		0.3
Calcium (Ca)	61.9	63.2				
Magnesium (Mg)	8.83	6.38				
Sodium (Na)	40.5	59.4				
Potassium (K)	4.34	4.06				
Sulfate (SO ₄)	72.6	112		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	0.0660	0.122	10		10	
Chloride (Cl)	52.0	41.1		250		300
Fluoride (F)	0.224	0.222 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0640	<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	111 *	89.0 *				
Total Hardness	171	149				
Langelier Index		0.4920				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00316	0.00048	0.01		0.01	
Barium (Ba)	0.0712	0.0512	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0436	0.00222	1.3	1	1.3	1.0
Iron (Fe)	0.388	0.212		0.3		0.3
Lead (Pb)	0.000336	<0.000250	0.015		0.015	
Manganese (Mn)	0.0254	0.00883		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00335	0.00578				
Selenium (Se)	0.000842	0.000566	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0112	0.00431		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	8.23 *	8.26 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	562 *	558 *				
Turbidity (NTU)	12.4 *	0.0631 *	0.3		0.3	
Threshold Odor Number	33.0	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.