

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

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	215	271		500		1000
Silica (SiO ₂)	4.29	3.41				
Iron (Fe)	0.793	0.363		0.3		0.3
Calcium (Ca)	42.3	48.9				
Magnesium (Mg)	2.79	2.69				
Sodium (Na)	20.9	39.0				
Potassium (K)	4.17	3.90				
Sulfate (SO ₄)	33.4	88.9		250		
Nitrite (NO ₂)	0.0210	<0.0100	1		1	
Nitrate (NO ₃)	0.571	0.686	10		10	
Chloride (Cl)	20.1	27.8		250		300
Fluoride (F)	0.244	0.233 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.109	<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	108 *	85.9 *				
Total Hardness	124	121				
Langelier Index		0.4452				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00158	0.00048	0.01		0.01	
Barium (Ba)	0.0437	0.0368	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0106	0.00143	1.3	1	1.3	1.0
Iron (Fe)	0.793	0.363		0.3		0.3
Lead (Pb)	0.000584	<0.000250	0.015		0.015	
Manganese (Mn)	0.0535	0.0334		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00447	0.00725				
Selenium (Se)	0.000650	<0.000500	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00580	0.00191		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.52 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.30 *	8.29 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	353 *	472 *				
Turbidity (NTU)	15.0 *	0.0543 *	0.3		0.3	
Threshold Odor Number	17.0	8.0				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.