

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Aug-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	338	362		500		1000
Silica (SiO ₂)	4.61	4.00				
Iron (Fe)	0.286	0.187		0.3		0.3
Calcium (Ca)	51.3	48.6				
Magnesium (Mg)	8.85	6.31				
Sodium (Na)	45.9	48.4				
Potassium (K)	4.22	3.99				
Sulfate (SO ₄)	67.4	110		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	<0.0500	0.0930	10		10	
Chloride (Cl)	52.0	46.9		250		300
Fluoride (F)	0.234	0.225 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0590	<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	104 *	84.2 *				
Total Hardness	158	146				
Langelier Index		0.6520				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00450	0.00077	0.01		0.01	
Barium (Ba)	0.0673	0.0539	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0453	0.00265	1.3	1	1.3	1.0
Iron (Fe)	0.286	0.187		0.3		0.3
Lead (Pb)	0.000306	<0.000250	0.015		0.015	
Manganese (Mn)	0.0256	0.00972		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00241	0.00483				
Selenium (Se)	0.000650	<0.000500	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0103	0.00408		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.58 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.13 *	8.23 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	540 *	581 *				
Turbidity (NTU)	11.3 *	0.0636 *	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.