

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie
Water Analysis
Jan-2020

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	510	460		500		1000
Silica (SiO ₂)	4.93	4.66				
Iron (Fe)	0.529	0.344		0.3		0.3
Calcium (Ca)	63.4	60.3				
Magnesium (Mg)	11.8	5.86				
Sodium (Na)	70.7	70.4				
Potassium (K)	4.27	3.97				
Sulfate (SO ₄)	98.7	111		250		
Nitrite (NO ₂)	0.0120	<0.0100	1		1	
Nitrate (NO ₃)	0.478	0.663	10		10	
Chloride (Cl)	80.2	46.7		250		300
Fluoride (F)	0.249	0.238 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0600	<0.0100				

	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)
Total Alkalinity	119 *	98.3 *				
Total Hardness	194	157				
Langelier Index		0.5632				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00161	0.00051	0.01		0.01	
Barium (Ba)	0.0714	0.0464	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.00765	0.00135	1.3	1	1.3	1.0
Iron (Fe)	0.529	0.344		0.3		0.3
Lead (Pb)	0.000285	<0.000250	0.015		0.015	
Manganese (Mn)	0.0274	0.00417		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00393	0.00701				
Selenium (Se)	0.00112	0.000698	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00480	0.00211		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.50 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.31 *	8.27 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	681 *	596 *				
Turbidity (NTU)	14.5 *	0.0527 *	0.3		0.3	
Threshold Odor Number	4.0	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.