

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

Mineral Analysis	Standards					
	Raw	Treated	EPA Primary	EPA Secondary	TCEQ Primary	TCEQ Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	321	364		500		1000
Silica (SiO ₂)	5.95	5.25				
Iron (Fe)	0.459	0.332		0.3		0.3
Calcium (Ca)	48.7	55.0				
Magnesium (Mg)	9.06	8.09				
Sodium (Na)	50.1	60.8				
Potassium (K)	4.02	3.82				
Sulfate (SO ₄)	65.6	42.0		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	0.0740	0.148	10		10	
Chloride (Cl)	61.2	24.2		250		300
Fluoride (F)	0.229	0.505 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0610	<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	114 *	99.2 *				
Total Hardness	160	160				
Langelier Index		0.9310				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00201	0.00051	0.01		0.01	
Barium (Ba)	0.0571	0.0486	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0179	0.00243	1.3	1	1.3	1.0
Iron (Fe)	0.459	0.332		0.3		0.3
Lead (Pb)	0.000289	<0.000250	0.015		0.015	
Manganese (Mn)	0.0180	0.0136		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00400	0.00529				
Selenium (Se)	0.000889	0.000801	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00405	0.00145		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.48 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.06 *	8.28 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	558 *	628 *				
Turbidity (NTU)	15.0 *	0.0481 *	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.