

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie
Water Analysis
Sep-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	396	350		500		1000
Silica (SiO ₂)	7.47	7.56				
Iron (Fe)	0.373	0.251		0.3		0.3
Calcium (Ca)	47.0	50.1				
Magnesium (Mg)	13.0	7.21				
Sodium (Na)	60.1	55.1				
Potassium (K)	4.12	3.99				
Sulfate (SO ₄)	83.9	113		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	0.128	0.244	10		10	
Chloride (Cl)	87.9	62.4		250		300
Fluoride (F)	0.268	0.454 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0850	0.0190				

	(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	90.9 *	69.7 *				
Total Hardness	167	134				
Langelier Index		0.3150				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00440	0.00033	0.01		0.01	
Barium (Ba)	0.0700	0.0453	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.00552	0.00422	1.3	1	1.3	1.0
Iron (Fe)	0.373	0.251		0.3		0.3
Lead (Pb)	<0.000250	<0.000250	0.015		0.015	
Manganese (Mn)	0.0348	0.00587		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00363	0.00647				
Selenium (Se)	0.00127	0.000799	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00327	0.00518		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.70 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.25 *	8.27 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	647 *	581 *				
Turbidity (NTU)	13.1 *	0.0579 *	0.3		0.3	
Threshold Odor Number	8.0	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.