

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie
Water Analysis
Mar-2022

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	265	364		500		1000
Silica (SiO ₂)	7.44	6.30				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	54.0	60.2				
Magnesium (Mg)	4.74	4.68				
Sodium (Na)	30.8	60.0				
Potassium (K)	6.39	4.78				
Sulfate (SO ₄)	44.5	127		250		
Nitrite (NO ₂)	0.0410	<0.0200	1		1	
Nitrate (NO ₃)	0.507	0.727	10		10	
Chloride (Cl)	29.9	37.0		250		300
Fluoride (F)	0.297	0.310 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0980	0.0200				

	(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	135 *	111 *				
Total Hardness	156	162				
Langelier Index		0.7972				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00136	0.00058	0.01		0.01	
Barium (Ba)	0.0529	0.0477	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00466	0.00174	1.3	1	1.3	1.0
Iron (Fe)	<0.200	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0362	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00371	0.00813				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00441	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.79 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.32 *	8.26 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	430 *	578 *				
Turbidity (NTU)	12.8 *	0.0583 *	0.3		0.3	
Threshold Odor Number	<1.00	4.00				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.