

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Mar-2023

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	294	366		500		1000
Silica (SiO ₂)	5.18	4.71				
Iron (Fe)	0.584	<0.200		0.3		0.3
Calcium (Ca)	60.0	62.9				
Magnesium (Mg)	6.62	5.61				
Sodium (Na)	32.2	58.7				
Potassium (K)	5.87	6.26				
Sulfate (SO ₄)	50.2	116		250		
Nitrite (NO ₂)	<0.0500	<0.0500	1		1	
Nitrate (NO ₃)	1.16	1.24	10		10	
Chloride (Cl)	33.9	40.1		250		300
Fluoride (F)	0.352	0.654 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.160	0.406				

	(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	118 *	104 *				
Total Hardness	160	156				
Langelier Index		0.800				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00187	0.00062	0.01		0.01	
Barium (Ba)	0.0578	0.0505	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0663	0.00532	1.3	1	1.3	1.0
Iron (Fe)	0.584	<0.200		0.3		0.3
Lead (Pb)	0.00108	<0.000500	0.015		0.015	
Manganese (Mn)	0.0346	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00785	0.00984				
Selenium (Se)	0.00114	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.0234	0.00414		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.82 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.36 *	8.00 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	423 *	594 *				
Turbidity (NTU)	12.4 *	0.166 *	0.3		0.3	
Threshold Odor Number	<1.00	<1.00				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.