

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Jun-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	314	380		500		1000
Silica (SiO ₂)	4.43	4.20				
Iron (Fe)	0.353	<0.200		0.3		0.3
Calcium (Ca)	50.3	47.8				
Magnesium (Mg)	9.06	8.71				
Sodium (Na)	45.6	66.6				
Potassium (K)	6.86	4.97				
Sulfate (SO ₄)	59.8	114		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.110	0.200	10		10	
Chloride (Cl)	55.5	65.5		250		300
Fluoride (F)	0.299	0.596 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.105	<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	113 *	96.0 *				
Total Hardness	178	156				
Langelier Index		0.5480				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00572	0.00123	0.01		0.01	
Barium (Ba)	0.0602	0.0514	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0611	0.00285	1.3	1	1.3	1.0
Iron (Fe)	0.353	<0.200		0.3		0.3
Lead (Pb)	0.000824	<0.000500	0.015		0.015	
Manganese (Mn)	0.0952	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00394	0.00592				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.0188	0.00522		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.72 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.08 *	8.28 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	510 *	620 *				
Turbidity (NTU)	13.8 *	0.0621 *	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.