

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Feb-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	267	327		500		1000
Silica (SiO ₂)	8.13	8.85				
Iron (Fe)	0.319	0.244		0.3		0.3
Calcium (Ca)	46.5	54.5				
Magnesium (Mg)	3.85	3.97				
Sodium (Na)	25.0	40.6				
Potassium (K)	4.56	4.93				
Sulfate (SO ₄)	38.8	103		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0.470	0.530	10		10	
Chloride (Cl)	28.2	33.4		250		300
Fluoride (F)	0.295	0.312 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0690	<0.0200				

	(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	129 *	107 *				
Total Hardness	138	140				
Langelier Index		0.0422				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00149	0.00056	0.01		0.01	
Barium (Ba)	0.0457	0.0376	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00752	0.00583	1.3	1	1.3	1.0
Iron (Fe)	0.319	0.244		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0408	0.0156		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00457	0.00797				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00982	0.00466		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.68 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.24 *	8.22 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	400 *	504 *				
Turbidity (NTU)	10.9 *	0.0734 *	0.3		0.3	
Threshold Odor Number	2	4				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.