

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Jan-2022

Mineral Analysis	Raw	Treated	Standards				
			EPA	EPA	TCEQ	TCEQ	
			Primary	Secondary	Primary	Secondary	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	236	301		500		1000	
Silica (SiO ₂)	8.04	7.00					
Iron (Fe)	0.347	0.217		0.3		0.3	
Calcium (Ca)	48.6	50.5					
Magnesium (Mg)	4.25	4.53					
Sodium (Na)	28.0	71.7					
Potassium (K)	5.67	4.74					
Sulfate (SO ₄)	37.0	94.4		250			
Nitrite (NO ₂)	<0.0200	<0.0200	1		1		
Nitrate (NO ₃)	0.487	0.632	10		10		
Chloride (Cl)	26.1	33.3		250		300	
Fluoride (F)	0.288	0.514 *	4.0	2.0	4.0	2.0	
Phosphates (PO ₄)	0.173	<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	120 *	101 *				
Total Hardness	134	138				
Langelier Index		0.2440				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00172	0.00054	0.01		0.01	
Barium (Ba)	0.0445	0.0371	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0103	0.00315	1.3	1	1.3	1.0
Iron (Fe)	0.347	0.217		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.0523	0.00969		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00405	0.00641				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00542	0.00449		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.81 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.20 *	8.26 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	376 *	489 *				
Turbidity (NTU)	13.9 *	0.0634 *	0.3		0.3	
Threshold Odor Number	5	3				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.