

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Jun-2021

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	328	393		500		1000
Silica (SiO2)	9.02	6.26				
Iron (Fe)	0.596	0.466		0.3		0.3
Calcium (Ca)	56.4	61.8				
Magnesium (Mg)	7.97	7.47				
Sodium (Na)	37.3	55.5				
Potassium (K)	3.97	3.88				
Sulfate (SO4)	53.5	107		250		
Nitrite (NO2)	0.0580	<0.0100	1		1	
Nitrate (NO3)	0.363	0.557	10		10	
Chloride (Cl)	47.0	53.0		250		300
Fluoride (F)	0.211	0.220 *	4.0	2.0	4.0	2.0
Phosphates (PO4)	0.0780	<0.0100				

	(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	131 *	115 *				
Total Hardness	174	172				
Langelier Index		-0.0520				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00291	0.00049	0.01		0.01	
Barium (Ba)	0.0568	0.0483	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0179	0.00310	1.3	1	1.3	1.0
Iron (Fe)	0.596	0.466		0.3		0.3
Lead (Pb)	0.000419	<0.000250	0.015		0.015	
Manganese (Mn)	0.130	0.00627		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00508	0.00742				
Selenium (Se)	0.000888	0.000956	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00669	0.00456		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.77 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	7.96 *	8.27 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	552 *	649 *				
Turbidity (NTU)	11.1 *	0.0707 *	0.3		0.3	
Threshold Odor Number	3	<1.0				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.