

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Apr-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	253	315		500		1000
Silica (SiO2)	7.00	6.30				
Iron (Fe)	1.15	0.446		0.3		0.3
Calcium (Ca)	61.8	64.0				
Magnesium (Mg)	3.81	3.90				
Sodium (Na)	26.5	45.6				
Potassium (K)	4.99	4.99				
Sulfate (SO4)	42.3	104		250		
Nitrite (NO2)	<0.0100	<0.0100	1		1	
Nitrate (NO3)	0.474	0.575	10		10	
Chloride (Cl)	22.6	29.8		250		300
Fluoride (F)	0.273	0.272 *	4.0	2.0	4.0	2.0
Phosphates (PO4)	0.0970	<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	132 *	109 *				
Total Hardness	159	158				
Langelier Index		0.5700				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00254	0.00123	0.01		0.01	
Barium (Ba)	0.0620	0.0518	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0244	0.00380	1.3	1	1.3	1.0
Iron (Fe)	1.15	0.446		0.3		0.3
Lead (Pb)	0.000911	<0.000250	0.015		0.015	
Manganese (Mn)	0.0352	0.0175		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00638	0.00881				
Selenium (Se)	0.00335	0.00305	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0123	0.00463		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.67 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.25 *	8.32 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	406 *	510 *				
Turbidity (NTU)	16.1 *	0.0546 *	0.3		0.3	
Threshold Odor Number	COMMENT					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.