

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Dec-2020

<u>Mineral Analysis</u>	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u>			
			<u>EPA</u> <u>Primary</u> (mg/L)	<u>EPA</u> <u>Secondary</u> (mg/L)	<u>TCEQ</u> <u>Primary</u> (mg/L)	<u>TCEQ</u> <u>Secondary</u> (mg/L)
			Residue on Evaporation	352	352	
Silica (SiO2)	7.02	6.68				
Iron (Fe)	0.364	0.356		0.3		0.3
Calcium (Ca)	45.8	50.5				
Magnesium (Mg)	9.68	6.45				
Sodium (Na)	50.6	54.4				
Potassium (K)	4.46	4.47				
Sulfate (SO4)	71.0	111		250		
Nitrite (NO2)	<0.0100	<0.0100	1		1	
Nitrate (NO3)	0.329	0.441	10		10	
Chloride (Cl)	70.4	54.8		250		300
Fluoride (F)	0.272	0.784 *	4.0	2.0	4.0	2.0
Phosphates (PO4)	0.0820	0.0110				

	(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	110 *	87.2 *				
Total Hardness	164	144				
Langelier Index		0.2887				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00230	0.00047	0.01		0.01	
Barium (Ba)	0.0638	0.0480	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.00892	0.00170	1.3	1	1.3	1.0
Iron (Fe)	0.364	0.356		0.3		0.3
Lead (Pb)	<0.000250	<0.000250	0.015		0.015	
Manganese (Mn)	0.0375	0.114		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00324	0.00800				
Selenium (Se)	0.000875	0.000570	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00374	0.00350		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.78 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.2 *	8.3 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	607 *	595 *				
Turbidity (NTU)	11.8 *	0.0578 *	0.3		0.3	
Threshold Odor Number	4.0	17.0				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.