

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

May-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	385	454		500		1000
Silica (SiO2)	3.81	2.99				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	61.5	59.8				
Magnesium (Mg)	11.8	10.6				
Sodium (Na)	57.1	82.5				
Potassium (K)	6.46	5.99				
Sulfate (SO4)	77.7	138		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0.508	2.26	10		10	
Chloride (Cl)	75.0	83.9		250		300
Fluoride (F)	0.284	0.643 *	4.0	2.0	4.0	2.0
Phosphates (PO4)	0.0620	<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	134 *	113 *				
Total Hardness	190	180				
Langelier Index		0.4159				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00171	0.00058	0.01		0.01	
Barium (Ba)	0.0748	0.0659	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00467	0.00220	1.3	1	1.3	1.0
Iron (Fe)	<0.200	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	<0.0250	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00459	0.00750				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.000500	<0.000500		0.10		0.1
Zinc (Zn)	0.00533	0.00609		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.71 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.23 *	8.26 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	637 *	739 *				
Turbidity (NTU)	15.7 *	0.0521 *	0.3		0.3	
Threshold Odor Number	<1.00	<1.00				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.