

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Jan-2021

<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	225	296	
Silica (SiO ₂)	7.15	6.33				
Iron (Fe)	0.435	0.370		0.3		0.3
Calcium (Ca)	40.2	50.3				
Magnesium (Mg)	3.04	3.09				
Sodium (Na)	22.0	41.3				
Potassium (K)	4.25	4.06				
Sulfate (SO ₄)	36.5	92.8		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	0.568	0.657	10		10	
Chloride (Cl)	23.1	30.3		250		300
Fluoride (F)	0.279	0.402 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0660	0.0140				

	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)	(mg/L as CaCO ₃)
Total Alkalinity	116 *	95.9 *				
Total Hardness	123	132				
Langelier Index		0.1140				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00174	0.00055	0.01		0.01	
Barium (Ba)	0.0420	0.0360	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.00529	0.00158	1.3	1	1.3	1.0
Iron (Fe)	0.435	0.370		0.3		0.3
Lead (Pb)	<0.000250	<0.000250	0.015		0.015	
Manganese (Mn)	0.0330	0.00149		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00446	0.00715				
Selenium (Se)	0.000599	<0.000500	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00349	0.00129		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.86 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.25 *	8.33 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	388 *	518 *				
Turbidity (NTU)	12.4 *	0.0519 *	0.3		0.3	
Threshold Odor Number	8.0	8.0				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.