

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

Mar-2020

Mineral Analysis	Raw	Treated	Standards				
			EPA	EPA	TCEQ	TCEQ	
			Primary	Secondary	Primary	Secondary	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	472	462		500		1000	
Silica (SiO2)	6.29	5.54					
Iron (Fe)	0.414	0.304		0.3		0.3	
Calcium (Ca)	63.3	69.5					
Magnesium (Mg)	12.3	8.55					
Sodium (Na)	56.4	67.7					
Potassium (K)	4.03	4.00					
Sulfate (SO4)	108	158		250			
Nitrite (NO2)	<0.0100	<0.0100	1		1		
Nitrate (NO3)	0.615	0.719	10		10		
Chloride (Cl)	85.5	64.9		250		300	
Fluoride (F)	0.241	0.229 *	4.0	2.0	4.0	2.0	
Phosphates (PO4)	0.0590	<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	129 *	103 *				
Total Hardness	222	198				
Langelier Index		0.3150				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00130	0.00032	0.01		0.01	
Barium (Ba)	0.0730	0.0575	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0283	0.00214	1.3	1	1.3	1.0
Iron (Fe)	0.414	0.304		0.3		0.3
Lead (Pb)	0.000251	<0.000250	0.015		0.015	
Manganese (Mn)	0.0180	0.0297		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00289	0.00754				
Selenium (Se)	0.000811	0.000502	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00507	0.00246		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.42 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.34 *	8.19 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	749 *	746 *				
Turbidity (NTU)	14.0 *	0.0379 *	0.3		0.3	
Threshold Odor Number	8.0	4.0				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.