

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

Water Analysis

May-2020

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	377	378		500		1000
Silica (SiO ₂)	6.24	3.58				
Iron (Fe)	0.321	0.184		0.3		0.3
Calcium (Ca)	56.2	58.5				
Magnesium (Mg)	10.2	7.37				
Sodium (Na)	46.4	52.5				
Potassium (K)	4.02	4.29				
Sulfate (SO ₄)	78.1	112		250		
Nitrite (NO ₂)	<0.0100	<0.0100	1		1	
Nitrate (NO ₃)	0.330	0.422	10		10	
Chloride (Cl)	65.3	53.4		250		300
Fluoride (F)	0.229	0.500 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.0630	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	125 *	105 *				
Total Hardness	194	177				
Langelier Index		0.1380				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00164	0.00042	0.01		0.01	
Barium (Ba)	0.0670	0.0484	2		2	
Cadmium (Cd)	<0.000500	<0.000500	0.005		0.005	
Chromium (Cr)	<0.00125	<0.00125	0.1		0.1	
Copper (Cu)	0.0296	0.00138	1.3	1	1.3	1.0
Iron (Fe)	0.321	0.184		0.3		0.3
Lead (Pb)	0.000340	<0.000250	0.015		0.015	
Manganese (Mn)	0.0156	0.00764		0.05		0.05
Mercury (Hg)	<0.0000500	<0.0000500	0.002		0.002	
Nickel (Ni)	0.00438	0.00602				
Selenium (Se)	0.000813	0.000571	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00435	0.00196		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.64 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.29 *	8.28 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	618 *	617 *				
Turbidity (NTU)	15.9 *	0.0431 *	0.3		0.3	
Threshold Odor Number	2.0	2.0				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.