

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie**Water Analysis****Oct-2021**

Mineral Analysis	Standards					
	Raw	Treated	EPA Primary	EPA Secondary	TCEQ Primary	TCEQ Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	276	341		500		1000
Silica (SiO ₂)	7.59	7.19				
Iron (Fe)	0.224	<0.200		0.3		0.3
Calcium (Ca)	37.2	41.7				
Magnesium (Mg)	6.59	6.50				
Sodium (Na)	41.1	61.2				
Potassium (K)	5.46	5.73				
Sulfate (SO ₄)	46.8	94.2		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	<0.0500	0.117	10		10	
Chloride (Cl)	45.0	48.5		250		300
Fluoride (F)	0.267	0.507 *	4.0	2.0	4.0	2.0
Phosphates (PO ₄)	0.118	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	94.9 *	76.6 *				
Total Hardness	116	116				
Langelier Index		0.0840				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00428	0.00067	0.01		0.01	
Barium (Ba)	0.0651	0.0515	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.0223	0.00341	1.3	1	1.3	1.0
Iron (Fe)	0.224	<0.200		0.3		0.3
Lead (Pb)	0.000796	<0.000500	0.015		0.015	
Manganese (Mn)	0.0500	0.0105		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00325	0.00552				
Selenium (Se)	0.00110	<0.00100	0.05		0.05	
Silver (Ag)	0.00106	0.000525		0.10		0.1
Zinc (Zn)	0.0143	0.00495		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.90 *	4.0		4.0	
Total coliform (Present / Absent)	--	A *	A		A	
pH (Standard Units) @ 25°C	8.21 *	8.28 *		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	447 *	543 *				
Turbidity (NTU)	13.0 *	0.0763 *	0.3		0.3	
Threshold Odor Number	3	1				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.