

NORTH TEXAS MUNICIPAL WATER DISTRICT - Leonard
Water Analysis
May-2023

Mineral Analysis	Raw (mg/L)	Treated (mg/L)	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	178	218		500		1000
Silica (SiO ₂)	<2.00	<2.00				
Iron (Fe)	0.919	<0.200		0.3		0.3
Calcium (Ca)	49.8	50.9				
Magnesium (Mg)	2.83	2.98				
Sodium (Na)	8.86	26.1				
Potassium (K)	4.95	4.30				
Sulfate (SO ₄)	13.0	124		250		
Nitrite (NO ₂)	<0.0500	<0.0500	1		1	
Nitrate (NO ₃)	<0.0500	0.138	10		10	
Chloride (Cl)	5.43	22.1		250		300
Fluoride (F)	0.194	0.197	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.130	<0.0100				
	(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	143	119				
Total Hardness	128	130				
Langelier Index	--	0.780				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00172	0.00112	0.01		0.01	
Barium (Ba)	0.0606	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)	0.00110	0.00602	1.3	1	1.3	1.0
Iron (Fe)	0.919	<0.200		0.3		0.3
Lead (Pb)	<0.000500	0.000895	0.015		0.015	
Manganese (Mn)	0.0929	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00245	0.00477				
Selenium (Se)	<0.00100	0.00127	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.0125	<0.00250		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	7.89	8.33		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	298	982				
Turbidity (NTU)	5.5	0.06	0.3		0.3	
Threshold Odor Number	50.0	<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. ** No odor analysis performed.