

NORTH TEXAS MUNICIPAL WATER DISTRICT - Leonard

Water Analysis

Apr-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	185	280		500		1000
Silica (SiO ₂)	<2.00	<2.00				
Iron (Fe)	0.330	<0.200		0.3		0.3
Calcium (Ca)	48.4	40.3				
Magnesium (Mg)	3.14	3.03				
Sodium (Na)	9.15	43.5				
Potassium (K)	4.47	4.93				
Sulfate (SO ₄)	13.2	95.1		250		
Nitrite (NO ₂)	<0.0500	<0.0500	1		1	
Nitrate (NO ₃)	0.291	0.121	10		10	
Chloride (Cl)	5.66	16.2		250		300
Fluoride (F)	0.197	0.287	4.0	2.0	4	2.0
Phosphates (PO ₄)	0.0880	<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	142	107				
Total Hardness	126	108				
Langelier Index	--	0.170				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00121	0.00069	0.01		0.01	
Barium (Ba)	0.0550	0.0471	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00427	0.00802	1.3	1	1.3	1.0
Iron (Fe)	0.330	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	0.204	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00317	0.00633				
Selenium (Se)	<0.00100	<0.00100	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00860	0.00530		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.85	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	7.80	8.26		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	404	300				
Turbidity (NTU)	4.7	0.05	0.3		0.3	
Threshold Odor Number	2.00	<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.