

NORTH TEXAS MUNICIPAL WATER DISTRICT - Leonard

Water Analysis

Mar-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	181	390		500		1000
Silica (SiO ₂)	<2.00	4.58				
Iron (Fe)	<0.200	<0.200		0.3		0.3
Calcium (Ca)	50.4	27.4				
Magnesium (Mg)	3.25	1.93				
Sodium (Na)	10.1	100				
Potassium (K)	4.75	14.9				
Sulfate (SO ₄)	13.3	155		250		
Nitrite (NO ₂)	<0.0500	<0.0500	1		1	
Nitrate (NO ₃)	0.338	<0.0500	10		10	
Chloride (Cl)	5.83	26.6		250		300
Fluoride (F)	0.199	0.481	4.0	2.0	4	2.0
Phosphates (PO ₄)	<0.0100	0.0460				
	(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	139	116				
Total Hardness	70.0	68.0				
Langelier Index	--	0.230				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00122	0.00096	0.01		0.01	
Barium (Ba)	0.0403	0.0189	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00250	<0.00250	0.1		0.1	
Copper (Cu)	0.00313	0.00899	1.3	1	1.3	1.0
Iron (Fe)	<0.200	<0.200		0.3		0.3
Lead (Pb)	<0.000500	<0.000500	0.015		0.015	
Manganese (Mn)	<0.0250	<0.0250		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00371	0.00679				
Selenium (Se)	<0.00100	0.00105	0.05		0.05	
Silver (Ag)	<0.00050	<0.00050		0.10		0.1
Zinc (Zn)	0.00494	0.00592		5		5

Other Analysis

Chlorine Residual (mg/L)	--	3.50	4.0		4.0	
Total coliform (Present / Absent)	--	A	A		A	
pH (Standard Units) @ 25°C	8.07	8.32		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	310	653				
Turbidity (NTU)	7.0	0.05	0.3		0.3	
Threshold Odor Number	<1.00	<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.