

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Jan 2020

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	510	460
Silica (SiO2)	4.93	4.66
Iron (Fe)	0.529	0.344
Calcium (Ca)	63.4	60.3
Magnesium (Mg)	11.8	5.86
Sodium (Na)	70.7	70.4
Potassium (K)	4.27	3.97
Sulfate (SO4)	98.7	111
Nitrite (NO2)	0.0120	<0.0100
Nitrate (NO3)	0.478	0.663
Chloride (Cl)	80.2	46.7
Fluoride (F)	0.249	0.238 *
Phosphates (PO4)	0.0600	<0.0100
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	119 *	98.3 *
Total Hardness	194	157
Langelier Index		0.5632
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00161	0.00051
Barium (Ba)	0.0714	0.0464
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.00765	0.00135
Iron (Fe)	0.529	0.344
Lead (Pb)	0.000285	<0.000250
Manganese (Mn)	0.0274	0.00417
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00393	0.00701
Selenium (Se)	0.00112	0.000698
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00480	0.00211
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.50 *
Total coliform ( Present / Absent )	--	A *
pH (Standard Units) @ 25°C	8.31 *	8.27 *
Specific Conductance (Umhos)	681 *	596 *
Turbidity (NTU)	14.5 *	0.0527 *
Threshold Odor Number	4.0	4.0

\* Identifies Monthly Average Process analyses.

Date: 2/10/2020