

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Jan 2019

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	378	386
Silica (SiO2)	7.96	6.47
Iron (Fe)	0.489	0.262
Calcium (Ca)	100	80.4
Magnesium (Mg)	12.2	8.34
Sodium (Na)	90.1	89.9
Potassium (K)	4.59	4.56
Sulfate (SO4)	67.3	103
Nitrite (NO2)	0.0100	<0.0100
Nitrate (NO3)	0.625	0.702
Chloride (Cl)	86.1	65.3
Fluoride (F)	0.207	0.200 *
Phosphates (PO4)	0.0900	<0.0100
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	134 *	108 *
Total Hardness	190	168
Langelier Index		0.5317
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00198	0.00039
Barium (Ba)	0.0739	0.0528
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.00378	0.00145
Iron (Fe)	0.489	0.262
Lead (Pb)	0.000265	<0.000250
Manganese (Mn)	0.0251	0.0114
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00405	0.00724
Selenium (Se)	0.000966	0.000578
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00427	0.00412
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.59 *
Total coliform ( Present / Absent )	--	A *
pH (Standard Units) @ 25°C	8.33 *	8.23 *
Specific Conductance (Umhos)	666 *	653 *
Turbidity (NTU)	17.5 *	0.0700 *
Threshold Odor Number	3.0	Process Error

\* Identifies Monthly Average Process analyses.

Date: 2/7/2019