

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Aug 2018

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	512	440
Silica (SiO2)	4.85	4.53
Iron (Fe)	0.714	0.448
Calcium (Ca)	62.5	57.6
Magnesium (Mg)	15.5	11.4
Sodium (Na)	103	105
Potassium (K)	6.37	6.87
Sulfate (SO4)	102	127
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	0.0610	0.112
Chloride (Cl)	125	91.2
Fluoride (F)	0.283	0.261 *
Phosphates (PO4)	0.0650	<0.0100
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	90.5 *	72.6 *
Total Hardness	185	147
Langelier Index		0.3250
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00396	0.00097
Barium (Ba)	0.0804	0.0559
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0193	0.00206
Iron (Fe)	0.714	0.448
Lead (Pb)	0.000346	<0.000250
Manganese (Mn)	0.0431	0.00966
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00564	0.00858
Selenium (Se)	0.00192	0.00105
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00602	0.00435
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.23 *
Total coliform ( Present / Absent )	--	A *
pH (Standard Units) @ 25°C	8.24 *	8.08 *
Specific Conductance (Umhos)	874 *	766 *
Turbidity (NTU)	13.1 *	0.0752 *
Threshold Odor Number	2.0	3.0

\* Identifies Monthly Average Process analyses.

Date: 9/10/2018