

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Oct 2017

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	372	428
Silica (SiO2)	5.18	5.07
Iron (Fe)	0.445	0.301
Calcium (Ca)	48.3	52.3
Magnesium (Mg)	9.18	9.08
Sodium (Na)	69.2	97.8
Potassium (K)	5.84	5.98
Sulfate (SO4)	77.7	122
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	0.0700	0.120
Chloride (Cl)	78.4	92.3
Fluoride (F)	0.295	0.270 *
Phosphates (PO4)	0.0820	0.0190
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	93.1 *	77.4 *
Total Hardness	164	158
Langelier Index		0.7280
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00359	0.00057
Barium (Ba)	0.0668	0.0547
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.00985	0.00431
Iron (Fe)	0.445	0.301
Lead (Pb)	<0.000250	<0.000250
Manganese (Mn)	0.0396	0.0167
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00311	0.00524
Selenium (Se)	0.000717	<0.000500
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00539	0.00439
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.71 *
Total coliform ( Present / Absent )	--	A *
pH (Standard Units) @ 25°C	8.29 *	8.22 *
Specific Conductance (Umhos)	712 *	695 *
Turbidity (NTU)	15.3 *	0.0705 *
Threshold Odor Number	35F	6Cl

\* Identifies Monthly Average Process analyses.

Date: 11/9/2017