

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH:     Sep         2017    

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	372	412
Silica (SiO2)	6.74	6.13
Iron (Fe)	0.298	0.252
Calcium (Ca)	40.3	47.0
Magnesium (Mg)	8.77	9.56
Sodium (Na)	63.3	95.9
Potassium (K)	4.88	5.56
Sulfate (SO4)	74.5	127
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	<0.0500	0.113
Chloride (Cl)	81.8	91.9
Fluoride (F)	0.295	0.271 *
Phosphates (PO4)	0.0710	0.0130
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	87.1 *	72.0 *
Total Hardness	142	143
Langelier Index		0.2620
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00438	0.00083
Barium (Ba)	0.0624	0.0545
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.00649	0.00364
Iron (Fe)	0.298	0.252
Lead (Pb)	0.000982	0.000940
Manganese (Mn)	0.0348	0.0141
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00337	0.00567
Selenium (Se)	0.000982	0.000788
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00518	0.00492
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.54 *
Total coliform ( Present / Absent )	--	A *
pH (Standard Units) @ 25°C	8.19 *	8.08 *
Specific Conductance (Umhos)	640 *	662 *
Turbidity (NTU)	13.8 *	0.0664 *
Threshold Odor Number	12F	3Cl

\* Identifies Monthly Average Process analyses.

Date: 10/12/2017