

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Jan 2017

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	458	310
Silica (SiO2)	8.71	8.01
Iron (Fe)	0.401	0.124
Calcium (Ca)	77.5	48.5
Magnesium (Mg)	12.5	4.16
Sodium (Na)	111	46.1
Potassium (K)	5.94	5.16
Sulfate (SO4)	42.9	47.1
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	0.581	0.826
Chloride (Cl)	49.1	14.0
Fluoride (F)	0.239	0.332 *
Phosphates (PO4)	0.0450	<0.0100
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	118 *	95.6 *
Total Hardness	192	140
Langelier Index		0.3107
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00192	0.00048
Barium (Ba)	0.0746	0.0444
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0106	0.00115
Iron (Fe)	0.401	0.124
Lead (Pb)	0.00110	0.000297
Manganese (Mn)	0.0402	0.00222
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00308	0.00456
Selenium (Se)	0.000904	<0.000500
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00532	0.0228
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.94 *
Total coliform ( Present / Absent )	P	A *
pH (Standard Units) @ 25°C	8.32 *	8.17 *
Specific Conductance (Umhos)	698 *	686 *
Turbidity (NTU)	14.0 *	0.0583 *
Threshold Odor Number	100F	1.4Cl

\* Identifies Monthly Average Process analyses.

Date: 2/10/2017