

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Dec 2017

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	364	438
Silica (SiO2)	4.80	4.54
Iron (Fe)	0.432	0.240
Calcium (Ca)	53.5	48.0
Magnesium (Mg)	7.01	6.66
Sodium (Na)	65.0	73.8
Potassium (K)	6.45	6.45
Sulfate (SO4)	66.4	266
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	0.298	0.348
Chloride (Cl)	72.4	186
Fluoride (F)	0.402	0.321 *
Phosphates (PO4)	0.0420	<0.0100
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	105 *	87.5 *
Total Hardness	146	144
Langelier Index		0.2802
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00206	0.00067
Barium (Ba)	0.0554	0.0473
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0147	0.00598
Iron (Fe)	0.432	0.240
Lead (Pb)	0.000551	<0.000250
Manganese (Mn)	0.0378	0.0256
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00377	0.00558
Selenium (Se)	0.000895	<0.000500
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00452	0.00258
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.73 *
Total coliform ( Present / Absent )	--	A *
pH (Standard Units) @ 25°C	8.25 *	8.14 *
Specific Conductance (Umhos)	722 *	654 *
Turbidity (NTU)	11.8 *	0.0707 *
Threshold Odor Number	12F	50Cl

\* Identifies Monthly Average Process analyses.

Date: 1/9/2018