

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Dec 2018

	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	348	362
Silica (SiO2)	7.82	6.68
Iron (Fe)	0.666	0.334
Calcium (Ca)	68.1	59.1
Magnesium (Mg)	7.44	6.06
Sodium (Na)	46.7	69.4
Potassium (K)	4.20	4.13
Sulfate (SO4)	54.6	95.1
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	0.488	0.540
Chloride (Cl)	67.3	59.3
Fluoride (F)	0.218	0.206 *
Phosphates (PO4)	0.0680	0.0150
<b>Water Stability</b>	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	123 *	96.0 *
Total Hardness	168	146
Langelier Index		0.1407
<b>Trace Element Analysis</b>	mg/L	mg/L
Arsenic (As)	0.00213	0.00045
Barium (Ba)	0.0607	0.0448
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.00518	0.00197
Iron (Fe)	0.666	0.334
Lead (Pb)	0.000302	<0.000250
Manganese (Mn)	0.0229	0.00623
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00452	0.00723
Selenium (Se)	0.000987	0.000577
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00338	0.00287
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	--	3.51 *
Total coliform ( Present / Absent )	--	A *
pH (Standard Units) @ 25°C	8.40 *	8.18 *
Specific Conductance (Umhos)	578 *	614 *
Turbidity (NTU)	15.4 *	0.0690 *
Threshold Odor Number	4.0	2.0

\* Identifies Monthly Average Process analyses.

Date: 1/9/2019