

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Oct 2018

	RAW	TREATED
Mineral Analysis	mg/L	mg/L
Residue on Evaporation	636	556
Silica (SiO2)	6.61	6.38
Iron (Fe)	0.634	0.375
Calcium (Ca)	54.3	45.9
Magnesium (Mg)	13.0	9.37
Sodium (Na)	95.0	91.7
Potassium (K)	5.41	4.98
Sulfate (SO4)	97.4	127
Nitrite (NO2)	0.0120	<0.0100
Nitrate (NO3)	0.222	0.377
Chloride (Cl)	116	90.1
Fluoride (F)	0.253	0.222 *
Phosphates (PO4)	0.0580	<0.0100
Water Stability	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	95.9 *	71.2 *
Total Hardness	179	149
Langelier Index		-0.1510
Trace Element Analysis	mg/L	mg/L
Arsenic (As)	0.00284	0.00044
Barium (Ba)	0.0632	0.0483
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0310	0.00191
Iron (Fe)	0.634	0.375
Lead (Pb)	0.000384	<0.000250
Manganese (Mn)	0.0269	0.00548
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00414	0.00723
Selenium (Se)	0.00140	0.000660
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00689	0.00534
Other Analysis	Units	Units
Chlorine Residual (mg/L)	--	3.43 *
Total coliform (Present / Absent)	--	A *
pH (Standard Units) @ 25°C	8.23 *	8.11 *
Specific Conductance (Umhos)	795 *	722 *
Turbidity (NTU)	10.7 *	0.0813 *
Threshold Odor Number	4.0	1.0

* Identifies Monthly Average Process analyses.

Date: 11/5/2018