

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Aug 2019

	RAW	TREATED
Mineral Analysis	mg/L	mg/L
Residue on Evaporation	338	362
Silica (SiO2)	4.61	4.00
Iron (Fe)	0.286	0.187
Calcium (Ca)	51.3	48.6
Magnesium (Mg)	8.85	6.31
Sodium (Na)	45.9	48.4
Potassium (K)	4.22	3.99
Sulfate (SO4)	67.4	110
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	<0.0500	0.0930
Chloride (Cl)	52.0	46.9
Fluoride (F)	0.234	0.225 *
Phosphates (PO4)	0.0590	<0.0100
Water Stability	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	104 *	84.2 *
Total Hardness	158	146
Langelier Index		0.6520
Trace Element Analysis	mg/L	mg/L
Arsenic (As)	0.00450	0.00077
Barium (Ba)	0.0673	0.0539
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0453	0.00265
Iron (Fe)	0.286	0.187
Lead (Pb)	0.000306	<0.000250
Manganese (Mn)	0.0256	0.00972
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00241	0.00483
Selenium (Se)	0.000650	<0.000500
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.0103	0.00408
Other Analysis	Units	Units
Chlorine Residual (mg/L)	--	3.58 *
Total coliform (Present / Absent)	--	A *
pH (Standard Units) @ 25°C	8.13 *	8.23 *
Specific Conductance (Umhos)	540 *	581 *
Turbidity (NTU)	11.3 *	0.0636 *
Threshold Odor Number	33.0	4.0

* Identifies Monthly Average Process analyses.

Date: 9/10/2019