

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Sep 2019

	RAW	TREATED
Mineral Analysis	mg/L	mg/L
Residue on Evaporation	334	382
Silica (SiO2)	6.87	6.17
Iron (Fe)	0.396	0.352
Calcium (Ca)	46.6	57.2
Magnesium (Mg)	6.93	6.23
Sodium (Na)	40.7	71.2
Potassium (K)	3.99	4.00
Sulfate (SO4)	63.1	123
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	<0.0500	0.113
Chloride (Cl)	49.2	60.5
Fluoride (F)	0.241	0.244 *
Phosphates (PO4)	0.0730	<0.0100
Water Stability	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	95.0 *	76.7 *
Total Hardness	138	151
Langelier Index		0.6010
Trace Element Analysis	mg/L	mg/L
Arsenic (As)	0.00555	0.00066
Barium (Ba)	0.0648	0.0563
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0407	0.00269
Iron (Fe)	0.396	0.352
Lead (Pb)	0.000319	<0.000250
Manganese (Mn)	0.0558	0.0107
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00379	0.00664
Selenium (Se)	0.00104	0.000874
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00909	0.00289
Other Analysis	Units	Units
Chlorine Residual (mg/L)	--	3.46 *
Total coliform (Present / Absent)	--	A *
pH (Standard Units) @ 25°C	8.17 *	8.22 *
Specific Conductance (Umhos)	486 *	634 *
Turbidity (NTU)	11.8 *	0.0596 *
Threshold Odor Number	17.0	Lab Error

* Identifies Monthly Average Process analyses.

Date: 10/15/2019