

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Oct 2019

	RAW	TREATED
Mineral Analysis	mg/L	mg/L
Residue on Evaporation	452	370
Silica (SiO2)	6.72	6.30
Iron (Fe)	0.356	0.204
Calcium (Ca)	55.8	55.3
Magnesium (Mg)	13.0	6.17
Sodium (Na)	56.6	49.6
Potassium (K)	4.20	4.08
Sulfate (SO4)	98.2	110
Nitrite (NO2)	<0.0100	<0.0100
Nitrate (NO3)	0.0920	0.153
Chloride (Cl)	78.8	45.1
Fluoride (F)	0.243	0.229 *
Phosphates (PO4)	0.0840	<0.0100
Water Stability	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	97.5 *	75.6 *
Total Hardness	179	132
Langelier Index		0.8240
Trace Element Analysis	mg/L	mg/L
Arsenic (As)	0.00420	0.00059
Barium (Ba)	0.0783	0.0431
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0238	0.00142
Iron (Fe)	0.356	0.204
Lead (Pb)	0.000338	<0.000250
Manganese (Mn)	0.0416	0.0109
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00333	0.00665
Selenium (Se)	0.00101	<0.000500
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00639	0.00207
Other Analysis	Units	Units
Chlorine Residual (mg/L)	--	3.35 *
Total coliform (Present / Absent)	--	A *
pH (Standard Units) @ 25°C	8.31 *	8.26 *
Specific Conductance (Umhos)	664 *	558 *
Turbidity (NTU)	16.5 *	0.0733 *
Threshold Odor Number	33.0	3.0

* Identifies Monthly Average Process analyses.

Date: 11/11/2019