

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: May 2019

	RAW	TREATED
Mineral Analysis	mg/L	mg/L
Residue on Evaporation	404	420
Silica (SiO2)	3.97	2.76
Iron (Fe)	0.646	0.410
Calcium (Ca)	56.7	57.5
Magnesium (Mg)	8.54	6.87
Sodium (Na)	45.4	47.5
Potassium (K)	3.46	3.09
Sulfate (SO4)	63.6	122
Nitrite (NO2)	0.0140	<0.0100
Nitrate (NO3)	0.711	0.863
Chloride (Cl)	49.4	46.8
Fluoride (F)	0.209	0.215 *
Phosphates (PO4)	0.0740	<0.0100
Water Stability	mg/L as CaCO3	mg/L as CaCO3
Total Alkalinity	140 *	113 *
Total Hardness	185	178
Langelier Index		0.2740
Trace Element Analysis	mg/L	mg/L
Arsenic (As)	0.00214	0.00052
Barium (Ba)	0.0692	0.0531
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.00125	<0.00125
Copper (Cu)	0.0150	0.00327
Iron (Fe)	0.646	0.410
Lead (Pb)	0.000373	<0.000250
Manganese (Mn)	0.0254	0.00951
Mercury (Hg)	<0.0000500	<0.0000500
Nickel (Ni)	0.00512	0.00810
Selenium (Se)	0.000983	0.000963
Silver (Ag)	<0.000250	<0.000250
Zinc (Zn)	0.00582	0.00239
Other Analysis	Units	Units
Chlorine Residual (mg/L)	--	3.54 *
Total coliform (Present / Absent)	--	A *
pH (Standard Units) @ 25°C	8.22 *	8.28 *
Specific Conductance (Umhos)	561 *	622 *
Turbidity (NTU)	13.3 *	0.0610 *
Threshold Odor Number	2.0	2.0

* Identifies Monthly Average Process analyses.

Date: 6/10/2019