


NORTH TEXAS MUNICIPAL WATER DISTRICT  
MONTHLY WATER ANALYSIS (WO# 1638085)

MONTH: <u>    Sep    </u> <u>    2016    </u>	RAW	TREATED
<b>Mineral Analysis</b>	mg/L	mg/L
Residue on Evaporation	278	226
Silica (SiO <sub>2</sub> )	8.45	8.56
Iron (Fe)	0.284	0.106
Calcium (Ca)	36.4	29.0
Magnesium (Mg)	9.23	3.04
Sodium (Na)	41.5	32.4
Potassium (K)	6.34	5.47
Sulfate (SO <sub>4</sub> )	53.4	74.7
Nitrite (NO <sub>2</sub> )	0.0200	<0.0100
Nitrate (NO <sub>3</sub> )	<0.0500	0.160
Chloride (Cl)	56.7	22.1
Fluoride (F)	0.231	0.309
Phosphates (PO <sub>4</sub> )	0.0760	0.0140
<b>Water Stability</b>	mg/L as CaCO <sub>3</sub>	mg/L as CaCO <sub>3</sub>
Total Alkalinity	94.0	66.3
Total Hardness	155	111
Langelier Index	-	[+ 0.0680 ]
<b>Trace Element Analysis</b>	ug/L*	ug/L*
Arsenic (As)	0.00443	0.000753
Barium (Ba)	0.0720	0.0323
Cadmium (Cd)	<0.000500	<0.000500
Chromium (Cr)	<0.000500	<0.00125
Copper (Cu)	0.0162	0.00162
Iron (Fe)	0.284	0.106
Lead (Pb)	0.000522	<0.000250
Manganese (Mn)	0.0332	0.0124
Mercury (Hg)	<0	<0
Nickel (Ni)	0.00302	0.00472
Selenium (Se)	<0.000500	<0.000500
Silver (Ag)	<0.00250	<0.000250
Zinc (Zn)	0.00452	0.00481
<b>Other Analysis</b>	Units	Units
Chlorine Residual (mg/L)	-	3.51*
Total coliform ( Present / Absent )	P	A
pH (Standard Units) @ 25°C	8.18*	8.07*
Specific Conductance (Umhos)	501	390
Turbidity (NTU)	13.0	0.0775*
Threshold Odor Number	8F	ND

Remarks: \* Identifies Monthly Average Process and Field analyses.

Lab Manager: 

Date:     10/11/2016