


NORTH TEXAS MUNICIPAL WATER DISTRICT
MONTHLY WATER ANALYSIS (WO# 1629072)

| MONTH: <u>Jul</u> <u>2016</u> | RAW | TREATED |
|-------------------------------------|---------------|---------------|
| Mineral Analysis | mg/L | mg/L |
| Residue on Evaporation | 180 | 242 |
| Silica (SiO2) | 3.58 | 4.19 |
| Iron (Fe) | 0.355 | 0.140 |
| Calcium (Ca) | 46.1 | 44.3 |
| Magnesium (Mg) | 3.18 | 3.06 |
| Sodium (Na) | 15.1 | 34.5 |
| Potassium (K) | 4.79 | 4.58 |
| Sulfate (SO4) | 23.6 | 77.3 |
| Nitrite (NO2) | <0.0100 | <0.0100 |
| Nitrate (NO3) | <0.0500 | <0.0500 |
| Chloride (Cl) | 10.7 | 18.8 |
| Fluoride (F) | 0.211 | 0.204 |
| Phosphates (PO4) | 0.0610 | 0.0120 |
| Water Stability | mg/L as CaCO3 | mg/L as CaCO3 |
| Total Alkalinity | 116 | 94.3 |
| Total Hardness | 153 | 149 |
| Langelier Index | - | [+ 0.459] |
| Trace Element Analysis | ug/L* | ug/L* |
| Arsenic (As) | 0.00444 | 0.000675 |
| Barium (Ba) | 0.0587 | 0.0411 |
| Cadmium (Cd) | <0.000500 | <0.000500 |
| Chromium (Cr) | <0.00125 | <0.00125 |
| Copper (Cu) | 0.0258 | 0.00316 |
| Iron (Fe) | 0.355 | 0.140 |
| Lead (Pb) | 0.000463 | <0.000250 |
| Manganese (Mn) | 0.0596 | 0.00908 |
| Mercury (Hg) | <0.0000500 | <0.0000500 |
| Nickel (Ni) | 0.00287 | 0.00409 |
| Selenium (Se) | <0.000500 | <0.000500 |
| Silver (Ag) | <0.000250 | <0.000250 |
| Zinc (Zn) | 0.00529 | 0.00521 |
| Other Analysis | Units | Units |
| Chlorine Residual (mg/L) | - | 3.41* |
| Total coliform (Present / Absent) | P | A |
| pH (Standard Units) @ 25°C | 8.18* | 8.09* |
| Specific Conductance (Umhos) | 292 | 398 |
| Turbidity (NTU) | 14.5 | 0.0650* |
| Threshold Odor Number | 12F | 8CL |

Remarks: * Identifies Monthly Average Process and Field analyses.

Lab Manager: 

Date: 08/11/2016