

NORTH TEXAS MUNICIPAL WATER DISTRICT - Wylie

MONTHLY WATER ANALYSIS

MONTH: Nov 2016

| | RAW | TREATED |
|-------------------------------------|---------------|---------------|
| Mineral Analysis | mg/L | mg/L |
| Residue on Evaporation | 358 | 332 |
| Silica (SiO2) | 6.94 | 6.99 |
| Iron (Fe) | 0.297 | 0.134 |
| Calcium (Ca) | 45.4 | 48.6 |
| Magnesium (Mg) | 8.06 | 7.23 |
| Sodium (Na) | 46.4 | 54.2 |
| Potassium (K) | 5.70 | 6.09 |
| Sulfate (SO4) | 59.9 | 109 |
| Nitrite (NO2) | 0.0110 | <0.0100 |
| Nitrate (NO3) | 0.335 | 0.442 |
| Chloride (Cl) | 62.2 | 57.1 |
| Fluoride (F) | 0.239 | 0.315 * |
| Phosphates (PO4) | 0.0740 | 0.0200 |
| Water Stability | mg/L as CaCO3 | mg/L as CaCO3 |
| Total Alkalinity | 109 * | 85.4 * |
| Total Hardness | 150 | 149 |
| Langelier Index | | 0.0375 |
| Trace Element Analysis | mg/L | mg/L |
| Arsenic (As) | 0.00278 | 0.00061 |
| Barium (Ba) | 0.0666 | 0.0468 |
| Cadmium (Cd) | <0.000500 | <0.000500 |
| Chromium (Cr) | <0.00125 | <0.00125 |
| Copper (Cu) | 0.00691 | 0.00178 |
| Iron (Fe) | 0.297 | 0.134 |
| Lead (Pb) | 0.000786 | 0.000470 |
| Manganese (Mn) | 0.0266 | 0.0143 |
| Mercury (Hg) | <0.0000500 | <0.0000500 |
| Nickel (Ni) | 0.00450 | 0.00718 |
| Selenium (Se) | 0.000874 | 0.000521 |
| Silver (Ag) | <0.000250 | <0.000250 |
| Zinc (Zn) | 0.00437 | 0.00523 |
| Other Analysis | Units | Units |
| Chlorine Residual (mg/L) | -- | 3.86 * |
| Total coliform (Present / Absent) | P | A * |
| pH (Standard Units) @ 25°C | 8.23 * | 8.13 * |
| Specific Conductance (Umhos) | 531 * | 541 * |
| Turbidity (NTU) | 13.1 * | 0.0672 * |
| Threshold Odor Number | 17F | 2Cl |

* Identifies Monthly Average Process analyses.

Date: 12/12/2016