

| Water Security Agency<br>400-111 Fairford St. E. S6H 7X9 |                              |                             |                      |
|--|------------------------------|-----------------------------|----------------------|
| <b>Land Location:</b>                                    | SE-07-18-18-W2               | <b>NTS Map:</b>             | 72109                |
| <b>UTM Coordinates:</b>                                  |                              | <b>RM No.:</b>              | 158                  |
| <b>Ground Elevation:</b>                                 | 2000                         | <b>Source:</b>              |                      |
| <b>Date Sampled:</b>                                     | 02-Aug-16                    | <b>Time Sampled:</b>        |                      |
| <b>Sample Location:</b>                                  | Observation Well             | <b>Sampled by:</b>          |                      |
| <b>Remark Sample Location:</b>                           |                              |                             |                      |
| <b>Well name:</b>  | D4-86                        | <b>Tel:</b>                 |                      |
| <b>Well owner:</b>                                       | City of Regina               |                             |                      |
| <b>Address:</b>  |                              |                             |                      |
| <b>Contractor:</b>                                       | Andrews & Sons Drilling Ltd. | <b>Date Drilled:</b>        | 1986                 |
| <b>Well Depth:</b>                                       | 55.63                        | <b>Pump Setting:</b>        |                      |
| <b>Depth to Water:</b>                                   |                              | <b>Pumping Rate:</b>        |                      |
| <b>Well Diameter:</b>                                    |                              | <b>Construction method:</b> |                      |
| <b>SRC acquisition #:</b>                                |                              | <b>Formation:</b>           | Lower Floral         |
| <b>WWRD #</b>  | 85820                        | <b>Aquifer name:</b>        | Zehner               |
| <b>Laboratory:</b>                                       | RRPL                         | <b>SRC Group:</b>           |                      |
| <b>Constituent</b>                                       | <b>Concentration</b>         | <b>Constituent</b>          | <b>Concentration</b> |
| <b>Major Ions</b>  |                              | <b>Metals</b>               |                      |
| Calcium (Ca)   | 2                            | Aluminum (Al)               | <0.00696             |
| Magnesium (Mg)   | 34                           | Antimony (Sb)               |                      |
| Sodium (Na)  | 55                           | As (arsenic) (µg/L)         |                      |
| Potassium (K)  | 6                            | Barium (Ba)                 | 0.0023               |
| Carbonate (CO3)  | 42                           | Beryllium (Be)              |                      |
| Bicarbonate (HCO3)                                       | 94                           | Boron (B)                   | 0.2                  |
| Sulphate (SO4)   | 113.5                        | Cadmium (Cd)                | 0.0002               |
| Chloride (Cl)  | 9.2                          | Chromium (Cr)               | 0.0007               |
| Fluoride (F)   | 0.06                         | Cobalt (Co)                 |                      |
| Nitrate - Nitrate (NO3, NO2 + NO3)                       |                              | Copper (Cu)                 | <0.00829             |
| Total Iron (Fe)  | 12                           | Lead (Pb)                   | 0.0008               |
| Manganese (Mn)   | 0.05                         | Molybdenum (Mo)             |                      |
| pH (pH units)  | 9.5                          | Nickel (Ni)                 |                      |
| Conductivity (uS/cm)                                     | 528                          | Selenium (Se)               | <0.00113             |
| Sum of Ions  | 356                          | Silver (Ag)                 |                      |
| Total Dissolved Solids (TDS)                             |                              | Strontium (Sr)              |                      |
| Error in Balance (%)                                     |                              | Thallium (Tl)               |                      |
| Hardness (as CaCO3)                                      | 145                          | Tin (Sn)                    |                      |
| Total Alkalinity (as CaCO3)                              | 147                          | Titanium (Ti)               |                      |
| Dissolved Organic Carbon (DOC)                           | 2.9                          | Uranium (U) (µg/L)          |                      |
| Turbidity (NTU)  |                              | Vanadium (V)                |                      |
| Perchlorate  |                              | Zinc (Zn)                   | 0.0095               |
| Iodine (I)   |                              |                             |                      |

All values in mg/L, unless indicated otherwise

NIL means not detectable

ND means not determined