



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** Groundwater Monitoring  
**Lab ID:** C05100623-008  
**Client Sample ID:** 8111506

**Report Date:** 11/12/05  
**Collection Date:** 08/17/05 14:30  
**Date Received:** 10/14/05  
**Matrix:** Aqueous

| Analyses                         | Result | Units | Qual | MCL/ |     | Method | Analysis Date / By   |
|----------------------------------|--------|-------|------|------|-----|--------|----------------------|
|                                  |        |       |      | RL   | QCL |        |                      |
| <b>MAJOR IONS</b>                |        |       |      |      |     |        |                      |
| Calcium                          | 23.1   | mg/L  |      | 0.5  |     | E200.7 | 10/25/05 09:11 / ts  |
| Magnesium                        | 11.9   | mg/L  |      | 0.5  |     | E200.7 | 10/25/05 09:11 / ts  |
| Potassium                        | 3.2    | mg/L  |      | 0.5  |     | E200.7 | 10/25/05 09:11 / ts  |
| Silica                           | 15.0   | mg/L  |      | 0.1  |     | E200.7 | 10/25/05 09:11 / ts  |
| Sodium                           | 362    | mg/L  |      | 0.5  |     | E200.7 | 10/25/05 09:11 / ts  |
| <b>METALS - DISSOLVED</b>        |        |       |      |      |     |        |                      |
| Aluminum                         | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Antimony                         | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Arsenic                          | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Barium                           | 227    | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Beryllium                        | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Boron                            | 730    | ug/L  |      | 100  |     | E200.7 | 10/25/05 09:11 / ts  |
| Cadmium                          | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Chromium                         | 2      | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Cobalt                           | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Copper                           | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Iron                             | 44     | ug/L  |      | 30   |     | E200.7 | 10/25/05 09:11 / ts  |
| Lead                             | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Lithium                          | ND     | ug/L  |      | 100  |     | E200.7 | 10/25/05 09:11 / ts  |
| Manganese                        | 34     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Molybdenum                       | 10     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Selenium                         | 1      | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Strontium                        | 348    | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Thallium                         | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Uranium                          | ND     | ug/L  |      | 0.3  |     | E200.8 | 10/24/05 17:45 / bws |
| Vanadium                         | ND     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| Zinc                             | 12     | ug/L  |      | 1    |     | E200.8 | 10/24/05 17:45 / bws |
| <b>RADIONUCLIDES - DISSOLVED</b> |        |       |      |      |     |        |                      |
| Gross Alpha                      | 3.4    | pCi/L |      | 1.0  |     | E900.0 | 10/26/05 09:00 / rs  |
| Gross Alpha precision (±)        | 1.3    | pCi/L |      |      |     | E900.0 | 10/26/05 09:00 / rs  |
| Gross Beta                       | ND     | pCi/L |      | 2.0  | 50  | E900.0 | 10/26/05 09:00 / rs  |

**Report Definitions:** RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.