



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06091329-003  
**Client Sample ID:** 3219303 (8203)

**Report Date:** 10/20/06  
**Collection Date:** 09/26/06 08:41  
**Date Received:** 09/29/06  
**Matrix:** Aqueous

| Analyses                             | Result | Units | Qual | MCL/ |     | Method      | Analysis Date / By   |
|--------------------------------------|--------|-------|------|------|-----|-------------|----------------------|
|                                      |        |       |      | RL   | QCL |             |                      |
| <b>MAJOR IONS</b>                    |        |       |      |      |     |             |                      |
| Alkalinity, Phenolphthalein as CaCO3 | ND     | mg/L  |      | 1    |     | A2320 B     | 10/09/06 13:28 / bmm |
| Alkalinity, Total as CaCO3           | 274    | mg/L  |      | 1    |     | A2320 B     | 10/09/06 13:28 / bmm |
| Bromide                              | ND     | mg/L  |      | 0.50 |     | E300.0      | 10/04/06 15:57 / bt  |
| Calcium                              | 61.3   | mg/L  |      | 0.5  |     | E200.7      | 10/11/06 16:11 / ts  |
| Chloride                             | 5      | mg/L  |      | 1    |     | A4500-Cl B  | 09/29/06 14:21 / jl  |
| Fluoride                             | ND     | mg/L  |      | 0.1  |     | A4500-F C   | 10/16/06 16:52 / bmm |
| Magnesium                            | 18.9   | mg/L  |      | 0.5  |     | E200.7      | 10/11/06 16:11 / ts  |
| Nitrogen, Nitrate+Nitrite as N       | ND     | mg/L  |      | 0.1  |     | E353.2      | 10/02/06 09:07 / jal |
| Potassium                            | 2.5    | mg/L  |      | 0.5  |     | E200.7      | 10/11/06 16:11 / ts  |
| Silica                               | 17.9   | mg/L  |      | 0.1  |     | E200.7      | 10/11/06 16:11 / ts  |
| Sodium                               | 41.3   | mg/L  |      | 0.5  |     | E200.7      | 10/11/06 16:11 / ts  |
| Sulfate                              | 33     | mg/L  |      | 1    |     | A4500-SO4 E | 09/29/06 14:44 / jal |
| <b>METALS - DISSOLVED</b>            |        |       |      |      |     |             |                      |
| Aluminum                             | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Antimony                             | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Arsenic                              | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Barium                               | 86     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Beryllium                            | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Boron                                | 125    | ug/L  |      | 100  |     | E200.7      | 10/11/06 16:11 / ts  |
| Cadmium                              | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Chromium                             | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Cobalt                               | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Copper                               | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Iron                                 | 278    | ug/L  |      | 30   |     | E200.7      | 10/11/06 16:11 / ts  |
| Lead                                 | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Lithium                              | 19     | ug/L  |      | 1    |     | E200.8      | 10/02/06 11:53 / bws |
| Manganese                            | 13     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Molybdenum                           | 1      | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Selenium                             | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Strontium                            | 2400   | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Thallium                             | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Vanadium                             | ND     | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| Zinc                                 | 4      | ug/L  |      | 1    |     | E200.8      | 10/11/06 06:44 / bws |
| <b>DATA QUALITY</b>                  |        |       |      |      |     |             |                      |
| A/C Balance (± 5)                    | 1.49   | %     |      | 250  |     | Calculation | 10/16/06 15:01 / cp  |
| Anions                               | 6.30   | meq/L |      | 250  |     | Calculation | 10/16/06 15:01 / cp  |
| Cations                              | 6.49   | meq/L |      | 250  |     | Calculation | 10/16/06 15:01 / cp  |

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

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