



LABORATORY ANALYTICAL REPORT

Client: Texas Water Development Board
Project: TWDB
Lab ID: C06071229-002
Client Sample ID: 1219514 (2083)

Report Date: 08/17/06
Collection Date: 07/24/06 17:22
Date Received: 07/27/06
Matrix: Aqueous

| Analyses | Result | Units | Qual | MCL/ | | Method | Analysis Date / By |
|--------------------------------------|--------|-------|------|------|-----|-------------|----------------------|
| | | | | RL | QCL | | |
| MAJOR IONS | | | | | | | |
| Alkalinity, Phenolphthalein as CaCO3 | ND | mg/L | | 1 | | A2320 B | 07/28/06 11:44 / th |
| Alkalinity, Total as CaCO3 | 83 | mg/L | | 1 | | A2320 B | 07/28/06 11:44 / th |
| Bromide | ND | mg/L | D | 0.60 | | E300.0 | 08/03/06 14:45 / wen |
| Calcium | 522 | mg/L | D | 0.6 | | E200.7 | 08/07/06 18:36 / ts |
| Chloride | 36 | mg/L | | 1 | | A4500-Cl B | 07/28/06 13:17 / jl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 07/28/06 13:23 / th |
| Magnesium | 101 | mg/L | | 0.5 | | E200.7 | 08/03/06 15:26 / ts |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 07/28/06 11:35 / jal |
| Potassium | 4.1 | mg/L | | 0.5 | | E200.7 | 08/03/06 15:26 / ts |
| Silica | 29.2 | mg/L | | 0.1 | | E200.7 | 08/03/06 15:26 / ts |
| Sodium | 23.5 | mg/L | | 0.5 | | E200.7 | 08/03/06 15:26 / ts |
| Sulfate | 1680 | mg/L | D | 30 | | A4500-SO4 E | 07/31/06 14:28 / bm |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Antimony | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Arsenic | 3 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Barium | 10 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Beryllium | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Boron | 212 | ug/L | | 100 | | E200.7 | 08/03/06 15:26 / ts |
| Cadmium | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Chromium | 17 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Cobalt | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Copper | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Iron | ND | ug/L | | 30 | | E200.7 | 08/03/06 15:26 / ts |
| Lead | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Lithium | 30 | ug/L | | 1 | | E200.8 | 08/04/06 12:39 / bws |
| Manganese | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Molybdenum | 1 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Selenium | 4 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Strontium | 4830 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Thallium | ND | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Uranium | 6.0 | ug/L | | 0.3 | | E200.8 | 07/28/06 14:54 / sml |
| Vanadium | 21 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| Zinc | 20 | ug/L | | 1 | | E200.8 | 07/28/06 14:54 / sml |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Gross Alpha | 6.5 | pCi/L | | 1.0 | | E900.0 | 08/12/06 13:25 / rs |
| Gross Alpha precision (±) | 2.1 | pCi/L | | | | E900.0 | 08/12/06 13:25 / rs |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



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|---------------------|--------|-------|------|------|-----|-------------|---------------------|
| | | | | RL | QCL | | |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.01 | % | | 250 | | Calculation | 08/09/06 11:46 / cp |
| Anions | 37.7 | meq/L | | 250 | | Calculation | 08/09/06 11:46 / cp |
| Cations | 35.5 | meq/L | | 250 | | Calculation | 08/09/06 11:46 / cp |

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