



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06071229-005  
**Client Sample ID:** 1242404 (2086)

**Report Date:** 08/17/06  
**Collection Date:** 07/25/06 12:13  
**Date Received:** 07/27/06  
**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	07/28/06 11:51 / th
Alkalinity, Total as CaCO3	290	mg/L		1		A2320 B	07/28/06 11:51 / th
Bromide	ND	mg/L		0.50		E300.0	08/03/06 15:21 / wen
Calcium	199	mg/L		0.5		E200.7	08/03/06 16:06 / ts
Chloride	61	mg/L		1		A4500-Cl B	07/28/06 13:27 / jl
Fluoride	1.5	mg/L		0.1		A4500-F C	07/28/06 15:31 / th
Magnesium	56.2	mg/L		0.5		E200.7	08/03/06 16:06 / ts
Nitrogen, Nitrate+Nitrite as N	12.5	mg/L	D	0.3		E353.2	07/28/06 11:50 / jal
Potassium	2.3	mg/L		0.5		E200.7	08/03/06 16:06 / ts
Silica	41.5	mg/L		0.1		E200.7	08/03/06 16:06 / ts
Sodium	140	mg/L		0.5		E200.7	08/03/06 16:06 / ts
Sulfate	642	mg/L	D	6		A4500-SO4 E	07/31/06 14:33 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Antimony	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Arsenic	7	ug/L		1		E200.8	07/28/06 15:14 / sml
Barium	13	ug/L		1		E200.8	07/28/06 15:14 / sml
Beryllium	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Boron	246	ug/L		100		E200.7	08/03/06 16:06 / ts
Cadmium	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Chromium	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Cobalt	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Copper	3	ug/L		1		E200.8	07/28/06 15:14 / sml
Iron	ND	ug/L		30		E200.7	08/03/06 16:06 / ts
Lead	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Lithium	74	ug/L		1		E200.8	08/04/06 12:50 / bws
Manganese	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Molybdenum	4	ug/L		1		E200.8	07/28/06 15:14 / sml
Selenium	19	ug/L		1		E200.8	07/28/06 15:14 / sml
Strontium	2740	ug/L		1		E200.8	07/28/06 15:14 / sml
Thallium	ND	ug/L		1		E200.8	07/28/06 15:14 / sml
Uranium	12.9	ug/L		0.3		E200.8	07/28/06 15:14 / sml
Vanadium	27	ug/L		1		E200.8	07/28/06 15:14 / sml
Zinc	8	ug/L		1		E200.8	07/28/06 15:14 / sml
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	5.9	pCi/L		1.0		E900.0	08/13/06 02:28 / rs
Gross Alpha precision (±)	1.1	pCi/L				E900.0	08/13/06 02:28 / 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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<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.75	%		250		Calculation	08/09/06 11:57 / cp
Anions	21.9	meq/L		250		Calculation	08/09/06 11:57 / cp
Cations	20.7	meq/L		250		Calculation	08/09/06 11:57 / cp

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