



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06070722-003  
**Client Sample ID:** 1151901 (2613)

**Report Date:** 08/02/06  
**Collection Date:** 07/13/06 11:30  
**Date Received:** 07/18/06  
**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	07/21/06 09:29 / th
Alkalinity, Total as CaCO3	258	mg/L		1		A2320 B	07/21/06 09:29 / th
Bromide	ND	mg/L		0.50		E300.0	07/26/06 16:09 / wen
Calcium	56.1	mg/L		0.5		E200.7	07/25/06 19:15 / ts
Chloride	51	mg/L		1		A4500-Cl B	07/21/06 14:18 / jl
Fluoride	3.3	mg/L		0.1		A4500-F C	07/21/06 09:09 / th
Magnesium	43.1	mg/L		0.5		E200.7	07/25/06 19:15 / ts
Nitrogen, Nitrate+Nitrite as N	3.1	mg/L		0.1		E353.2	07/25/06 10:21 / jal
Potassium	7.1	mg/L		0.5		E200.7	07/25/06 19:15 / ts
Silica	50.0	mg/L		0.1		E200.7	07/25/06 19:15 / ts
Sodium	32.8	mg/L		0.5		E200.7	07/25/06 19:15 / ts
Sulfate	44	mg/L		1		A4500-SO4 E	07/19/06 15:00 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	7	ug/L		1		E200.8	07/19/06 14:21 / bws
Antimony	ND	ug/L		1		E200.8	07/19/06 14:21 / bws
Arsenic	5	ug/L		1		E200.8	07/19/06 14:21 / bws
Barium	136	ug/L		1		E200.8	07/19/06 14:21 / bws
Beryllium	ND	ug/L		1		E200.8	07/19/06 14:21 / bws
Boron	176	ug/L		100		E200.7	07/25/06 19:15 / ts
Cadmium	ND	ug/L		1		E200.8	07/19/06 14:21 / bws
Chromium	2	ug/L		1		E200.8	07/19/06 14:21 / bws
Cobalt	ND	ug/L		1		E200.8	07/19/06 14:21 / bws
Copper	3	ug/L		1		E200.8	07/19/06 14:21 / bws
Iron	44	ug/L		30		E200.7	07/25/06 19:15 / ts
Lead	2	ug/L		1		E200.8	07/19/06 14:21 / bws
Lithium	117	ug/L		1		E200.8	07/24/06 14:29 / bws
Manganese	2	ug/L		1		E200.8	07/19/06 14:21 / bws
Molybdenum	3	ug/L		1		E200.8	07/19/06 14:21 / bws
Selenium	9	ug/L		1		E200.8	07/19/06 14:21 / bws
Strontium	1320	ug/L		1		E200.8	07/19/06 14:21 / bws
Thallium	ND	ug/L		1		E200.8	07/19/06 14:21 / bws
Uranium	11.2	ug/L		0.3		E200.8	07/19/06 14:21 / bws
Vanadium	22	ug/L		1		E200.8	07/19/06 14:21 / bws
Zinc	5	ug/L		1		E200.8	07/19/06 14:21 / bws
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	7.2	pCi/L		1.0		E900.0	07/29/06 23:34 / rs
Gross Alpha precision (±)	0.7	pCi/L				E900.0	07/29/06 23:34 / rs

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

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



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<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.345	%		250		Calculation	07/31/06 12:22 / cp
Anions	7.90	meq/L		250		Calculation	07/31/06 12:22 / cp
Cations	7.95	meq/L		250		Calculation	07/31/06 12:22 / cp

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