



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06070626-001  
**Client Sample ID:** 1449806 (2079)

**Report Date:** 08/02/06  
**Collection Date:** 07/12/06 13:40  
**Date Received:** 07/14/06  
**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	07/19/06 12:23 / th
Alkalinity, Total as CaCO3	378	mg/L		1		A2320 B	07/19/06 12:23 / th
Bromide	ND	mg/L		0.50		E300.0	07/19/06 01:14 / wen
Calcium	41.0	mg/L		0.5		E200.7	07/19/06 22:17 / ts
Chloride	37	mg/L		1		A4500-Cl B	07/21/06 13:25 / jl
Fluoride	1.4	mg/L		0.1		A4500-F C	07/17/06 13:09 / th
Magnesium	60.6	mg/L		0.5		E200.7	07/19/06 22:17 / ts
Nitrogen, Nitrate+Nitrite as N	9.5	mg/L	D	0.2		E353.2	07/17/06 10:32 / jal
Potassium	1.5	mg/L		0.5		E200.7	07/19/06 22:17 / ts
Silica	14.3	mg/L		0.1		E200.7	07/19/06 22:17 / ts
Sodium	82.9	mg/L		0.5		E200.7	07/19/06 22:17 / ts
Sulfate	38	mg/L		1		A4500-SO4 E	07/18/06 16:20 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	4	ug/L		1		E200.8	07/17/06 23:20 / bws
Antimony	ND	ug/L		1		E200.8	07/17/06 23:20 / bws
Arsenic	2	ug/L		1		E200.8	07/17/06 23:20 / bws
Barium	127	ug/L		1		E200.8	07/17/06 23:20 / bws
Beryllium	ND	ug/L		1		E200.8	07/19/06 04:34 / bws
Boron	322	ug/L		100		E200.7	07/19/06 22:17 / ts
Cadmium	ND	ug/L		1		E200.8	07/17/06 23:20 / bws
Chromium	2	ug/L		1		E200.8	07/17/06 23:20 / bws
Cobalt	ND	ug/L		1		E200.8	07/17/06 23:20 / bws
Copper	5	ug/L		1		E200.8	07/17/06 23:20 / bws
Iron	ND	ug/L		30		E200.7	07/19/06 22:17 / ts
Lead	ND	ug/L		1		E200.8	07/17/06 23:20 / bws
Lithium	14	ug/L		1		E200.8	07/24/06 12:12 / bws
Manganese	1	ug/L		1		E200.8	07/17/06 23:20 / bws
Molybdenum	4	ug/L		1		E200.8	07/19/06 04:34 / bws
Selenium	2	ug/L		1		E200.8	07/17/06 23:20 / bws
Strontium	767	ug/L		1		E200.8	07/17/06 23:20 / bws
Thallium	ND	ug/L		1		E200.8	07/17/06 23:20 / bws
Uranium	11.4	ug/L		0.3		E200.8	07/17/06 23:20 / bws
Vanadium	7	ug/L		1		E200.8	07/17/06 23:20 / bws
Zinc	22	ug/L		1		E200.8	07/17/06 23:20 / bws
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	3.3	pCi/L		1.0		E900.0	07/29/06 04:55 / rs
Gross Alpha precision (±)	0.6	pCi/L				E900.0	07/29/06 04:55 / rs

**Report Definitions:**  
 RL - Analyte reporting limit.  
 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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Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
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<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.60	%		250		Calculation	07/25/06 12:05 / cp
Anions	10.1	meq/L		250		Calculation	07/25/06 12:05 / cp
Cations	10.7	meq/L		250		Calculation	07/25/06 12:05 / cp

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**Definitions:** QCL - Quality control limit.

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