



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06080712-002  
**Client Sample ID:** 1354829 (474)

**Report Date:** 09/19/06  
**Collection Date:** 08/09/06 10:25  
**Date Received:** 08/15/06  
**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	08/17/06 14:47 / th
Alkalinity, Total as CaCO3	297	mg/L		1		A2320 B	08/17/06 14:47 / th
Bromide	ND	mg/L		0.50		E300.0	08/31/06 16:54 / wen
Calcium	101	mg/L		0.5		E200.7	08/25/06 15:02 / ts
Chloride	52	mg/L		1		A4500-Cl B	08/16/06 15:04 / jl
Fluoride	0.7	mg/L		0.1		A4500-F C	08/16/06 14:03 / th
Magnesium	38.2	mg/L		0.5		E200.7	08/25/06 15:02 / ts
Nitrogen, Nitrate+Nitrite as N	15.5	mg/L	D	0.2		E353.2	08/16/06 11:40 / jal
Potassium	1.6	mg/L		0.5		E200.7	08/25/06 15:02 / ts
Silica	27.1	mg/L		0.1		E200.7	08/25/06 15:02 / ts
Sodium	46.6	mg/L		0.5		E200.7	08/25/06 15:02 / ts
Sulfate	45	mg/L		1		A4500-SO4 E	08/25/06 13:53 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Antimony	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Arsenic	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Barium	175	ug/L		1		E200.8	08/19/06 10:22 / bws
Beryllium	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Boron	126	ug/L		100		E200.7	08/25/06 15:02 / ts
Cadmium	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Chromium	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Cobalt	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Copper	4	ug/L		1		E200.8	08/19/06 10:22 / bws
Iron	ND	ug/L		30		E200.7	08/25/06 15:02 / ts
Lead	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Lithium	21	ug/L		1		E200.8	08/25/06 18:18 / bws
Manganese	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Molybdenum	1	ug/L		1		E200.8	08/19/06 10:22 / bws
Selenium	2	ug/L		1		E200.8	08/19/06 10:22 / bws
Strontium	718	ug/L		1		E200.8	08/19/06 10:22 / bws
Thallium	ND	ug/L		1		E200.8	08/19/06 10:22 / bws
Uranium	6.7	ug/L		0.3		E200.8	08/19/06 10:22 / bws
Vanadium	5	ug/L		1		E200.8	08/19/06 10:22 / bws
Zinc	12	ug/L		1		E200.8	08/19/06 10:22 / bws
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	2.7	pCi/L		1.0		E900.0	08/27/06 23:56 / rs
Gross Alpha precision (±)	0.7	pCi/L				E900.0	08/27/06 23:56 / 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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<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.97	%		250		Calculation	08/30/06 12:06 / cp
Anions	9.48	meq/L		250		Calculation	08/30/06 12:06 / cp
Cations	10.3	meq/L		250		Calculation	08/30/06 12:06 / cp

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

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