



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06071229-008  
**Client Sample ID:** 1216607 (2089)

**Report Date:** 08/17/06  
**Collection Date:** 07/26/06 09:00  
**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 11:58 / th
Alkalinity, Total as CaCO3	228	mg/L		1		A2320 B	07/28/06 11:58 / th
Bromide	ND	mg/L		0.50		E300.0	08/03/06 15:57 / wen
Calcium	77.9	mg/L		0.5		E200.7	08/03/06 16:16 / ts
Chloride	6	mg/L		1		A4500-Cl B	07/28/06 13:30 / jl
Fluoride	0.5	mg/L		0.1		A4500-F C	07/28/06 15:38 / th
Magnesium	14.6	mg/L		0.5		E200.7	08/03/06 16:16 / ts
Nitrogen, Nitrate+Nitrite as N	11.8	mg/L	D	0.2		E353.2	07/28/06 12:05 / jal
Potassium	1.5	mg/L		0.5		E200.7	08/03/06 16:16 / ts
Silica	27.1	mg/L		0.1		E200.7	08/03/06 16:16 / ts
Sodium	45.4	mg/L		0.5		E200.7	08/03/06 16:16 / ts
Sulfate	53	mg/L		1		A4500-SO4 E	07/31/06 17:35 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Antimony	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Arsenic	2	ug/L		1		E200.8	07/28/06 15:34 / sml
Barium	106	ug/L		1		E200.8	07/28/06 15:34 / sml
Beryllium	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Boron	ND	ug/L		100		E200.7	08/03/06 16:16 / ts
Cadmium	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Chromium	1	ug/L		1		E200.8	07/28/06 15:34 / sml
Cobalt	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Copper	6	ug/L		1		E200.8	07/28/06 15:34 / sml
Iron	ND	ug/L		30		E200.7	08/03/06 16:16 / ts
Lead	1	ug/L		1		E200.8	07/28/06 15:34 / sml
Lithium	17	ug/L		1		E200.8	08/04/06 13:03 / bws
Manganese	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Molybdenum	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Selenium	1	ug/L		1		E200.8	07/28/06 15:34 / sml
Strontium	262	ug/L		1		E200.8	07/28/06 15:34 / sml
Thallium	ND	ug/L		1		E200.8	07/28/06 15:34 / sml
Uranium	2.3	ug/L		0.3		E200.8	07/28/06 15:34 / sml
Vanadium	9	ug/L		1		E200.8	07/28/06 15:34 / sml
Zinc	26	ug/L		1		E200.8	07/28/06 15:34 / sml
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	2.5	pCi/L		1.0		E900.0	08/13/06 02:28 / rs
Gross Alpha precision (±)	0.7	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)	2.96	%		250		Calculation	08/09/06 12:01 / cp
Anions	6.69	meq/L		250		Calculation	08/09/06 12:01 / cp
Cations	7.10	meq/L		250		Calculation	08/09/06 12:01 / cp

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