



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06070445-003  
**Client Sample ID:** 1158103 (2609)

**Report Date:** 08/07/06  
**Collection Date:** 07/10/06 11:00  
**Date Received:** 07/12/06  
**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	07/13/06 14:29 / th
Alkalinity, Total as CaCO3	264	mg/L		1		A2320 B	07/13/06 14:29 / th
Bromide	ND	mg/L		0.50		E300.0	07/18/06 16:18 / wen
Calcium	50.0	mg/L		0.5		E200.7	07/18/06 17:53 / ts
Chloride	15	mg/L		1		A4500-Cl B	07/13/06 15:07 / jal
Fluoride	2.7	mg/L		0.1		A4500-F C	07/13/06 14:26 / th
Magnesium	36.7	mg/L		0.5		E200.7	07/18/06 17:53 / ts
Nitrogen, Nitrate+Nitrite as N	1.9	mg/L		0.1		E353.2	07/13/06 09:41 / jal
Potassium	7.9	mg/L		0.5		E200.7	07/18/06 17:53 / ts
Silica	43.8	mg/L		0.1		E200.7	07/18/06 17:53 / ts
Sodium	35.0	mg/L		0.5		E200.7	07/18/06 17:53 / ts
Sulfate	29	mg/L		1		A4500-SO4 E	07/17/06 15:55 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Antimony	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Arsenic	3	ug/L		1		E200.8	07/18/06 04:30 / sml
Barium	125	ug/L		1		E200.8	07/18/06 04:30 / sml
Beryllium	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Boron	161	ug/L		100		E200.7	07/18/06 17:53 / ts
Cadmium	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Chromium	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Cobalt	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Copper	2	ug/L		1		E200.8	07/18/06 04:30 / sml
Iron	ND	ug/L		30		E200.7	07/18/06 17:53 / ts
Lead	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Lithium	96	ug/L		1		E200.8	07/21/06 10:58 / bws
Manganese	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Molybdenum	7	ug/L		1		E200.8	07/18/06 04:30 / sml
Selenium	4	ug/L		1		E200.8	07/18/06 04:30 / sml
Strontium	1090	ug/L		1		E200.8	07/18/06 04:30 / sml
Thallium	ND	ug/L		1		E200.8	07/18/06 04:30 / sml
Uranium	8.0	ug/L		0.3		E200.8	07/18/06 04:30 / sml
Vanadium	16	ug/L		1		E200.8	07/18/06 04:30 / sml
Zinc	2	ug/L		1		E200.8	07/18/06 04:30 / sml
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	6.1	pCi/L		1.0		E900.0	07/31/06 21:08 / rs
Gross Alpha precision (±)	0.7	pCi/L				E900.0	07/31/06 21:08 / rs

**Report** RL - Analyte reporting limit.  
**Definitions:** 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)	4.77	%		250		Calculation	07/24/06 11:07 / cp
Anions	6.58	meq/L		250		Calculation	07/24/06 11:07 / cp
Cations	7.24	meq/L		250		Calculation	07/24/06 11:07 / cp

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