



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06071229-004  
**Client Sample ID:** 1249104 (2085)

**Report Date:** 08/17/06  
**Collection Date:** 07/25/06 10:30  
**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 11:49 / th
Alkalinity, Total as CaCO3	220	mg/L		1		A2320 B	07/28/06 11:49 / th
Bromide	ND	mg/L		0.50		E300.0	08/03/06 15:09 / wen
Calcium	73.0	mg/L		0.5		E200.7	08/03/06 16:03 / ts
Chloride	90	mg/L		1		A4500-Cl B	07/28/06 13:26 / jl
Fluoride	1.6	mg/L		0.1		A4500-F C	07/28/06 15:29 / th
Magnesium	32.2	mg/L		0.5		E200.7	08/03/06 16:03 / ts
Nitrogen, Nitrate+Nitrite as N	18.6	mg/L	D	0.3		E353.2	07/28/06 11:47 / jal
Potassium	3.1	mg/L		0.5		E200.7	08/03/06 16:03 / ts
Silica	38.7	mg/L		0.1		E200.7	08/03/06 16:03 / ts
Sodium	134	mg/L		0.5		E200.7	08/03/06 16:03 / ts
Sulfate	166	mg/L	D	3		A4500-SO4 E	07/31/06 14:32 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Antimony	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Arsenic	7	ug/L		1		E200.8	07/28/06 15:07 / sml
Barium	29	ug/L		1		E200.8	07/28/06 15:07 / sml
Beryllium	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Boron	275	ug/L		100		E200.7	08/03/06 16:03 / ts
Cadmium	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Chromium	2	ug/L		1		E200.8	07/28/06 15:07 / sml
Cobalt	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Copper	3	ug/L		1		E200.8	07/28/06 15:07 / sml
Iron	ND	ug/L		30		E200.7	08/03/06 16:03 / ts
Lead	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Lithium	65	ug/L		1		E200.8	08/04/06 12:46 / bws
Manganese	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Molybdenum	3	ug/L		1		E200.8	07/28/06 15:07 / sml
Selenium	15	ug/L		1		E200.8	07/28/06 15:07 / sml
Strontium	688	ug/L		1		E200.8	07/28/06 15:07 / sml
Thallium	ND	ug/L		1		E200.8	07/28/06 15:07 / sml
Uranium	7.9	ug/L		0.3		E200.8	07/28/06 15:07 / sml
Vanadium	23	ug/L		1		E200.8	07/28/06 15:07 / sml
Zinc	2	ug/L		1		E200.8	07/28/06 15:07 / sml
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	4.0	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 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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				RL	QCL		
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.76	%		250		Calculation	08/09/06 11:55 / cp
Anions	11.8	meq/L		250		Calculation	08/09/06 11:55 / cp
Cations	12.2	meq/L		250		Calculation	08/09/06 11:55 / cp

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

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