



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06071229-001  
**Client Sample ID:** 1241604 (2082)

**Report Date:** 08/17/06  
**Collection Date:** 07/24/06 15:05  
**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 11:42 / th
Alkalinity, Total as CaCO3	186	mg/L		1		A2320 B	07/28/06 11:42 / th
Bromide	ND	mg/L		0.50		E300.0	08/03/06 14:33 / wen
Calcium	94.1	mg/L		0.5		E200.7	08/03/06 15:02 / ts
Chloride	16	mg/L		1		A4500-Cl B	07/28/06 13:16 / jl
Fluoride	0.6	mg/L		0.1		A4500-F C	07/28/06 11:35 / th
Magnesium	30.2	mg/L		0.5		E200.7	08/03/06 15:02 / ts
Nitrogen, Nitrate+Nitrite as N	21.5	mg/L	D	0.3		E353.2	07/28/06 11:32 / jal
Potassium	2.0	mg/L		0.5		E200.7	08/03/06 15:02 / ts
Silica	32.4	mg/L		0.1		E200.7	08/03/06 15:02 / ts
Sodium	31.2	mg/L		0.5		E200.7	08/03/06 15:02 / ts
Sulfate	101	mg/L	D	1		A4500-SO4 E	07/31/06 14:08 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	07/28/06 14:01 / sml
Antimony	ND	ug/L		1		E200.8	07/28/06 14:01 / sml
Arsenic	4	ug/L		1		E200.8	07/28/06 14:01 / sml
Barium	44	ug/L		1		E200.8	07/28/06 14:01 / sml
Beryllium	ND	ug/L		1		E200.8	07/29/06 04:37 / sml
Boron	ND	ug/L		100		E200.7	08/03/06 15:02 / ts
Cadmium	ND	ug/L		1		E200.8	07/28/06 14:01 / sml
Chromium	1	ug/L		1		E200.8	07/28/06 14:01 / sml
Cobalt	ND	ug/L		1		E200.8	07/28/06 14:01 / sml
Copper	3	ug/L		1		E200.8	07/28/06 14:01 / sml
Iron	ND	ug/L		30		E200.7	08/03/06 15:02 / ts
Lead	ND	ug/L		1		E200.8	07/28/06 14:01 / sml
Lithium	34	ug/L		1		E200.8	08/04/06 12:36 / bws
Manganese	ND	ug/L		1		E200.8	07/28/06 14:01 / sml
Molybdenum	1	ug/L		1		E200.8	07/28/06 14:01 / sml
Selenium	4	ug/L		1		E200.8	07/28/06 14:01 / sml
Strontium	808	ug/L		1		E200.8	07/28/06 14:01 / sml
Thallium	ND	ug/L		1		E200.8	07/28/06 14:01 / sml
Uranium	2.7	ug/L		0.3		E200.8	07/28/06 14:01 / sml
Vanadium	21	ug/L		1		E200.8	07/28/06 14:01 / sml
Zinc	4	ug/L		1		E200.8	07/28/06 14:01 / sml
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	2.9	pCi/L		1.0		E900.0	08/12/06 13:25 / rs
Gross Alpha precision (±)	0.7	pCi/L				E900.0	08/12/06 13:25 / 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)	4.62	%		250		Calculation	08/09/06 11:45 / cp
Anions	7.83	meq/L		250		Calculation	08/09/06 11:45 / cp
Cations	8.58	meq/L		250		Calculation	08/09/06 11:45 / cp

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

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