



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06081513-011  
**Client Sample ID:** 8350203 (869)

**Report Date:** 09/29/06  
**Collection Date:** 08/24/06 08:25  
**Date Received:** 08/30/06  
**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	09/01/06 12:27 / th
Alkalinity, Total as CaCO3	180	mg/L		1		A2320 B	09/01/06 12:27 / th
Bromide	ND	mg/L		0.50		E300.0	09/15/06 13:49 / wen
Calcium	33.5	mg/L		0.5		E200.7	09/11/06 18:42 / ts
Chloride	277	mg/L		1		A4500-Cl B	09/02/06 05:43 / jl
Fluoride	0.4	mg/L		0.1		A4500-F C	09/01/06 07:31 / th
Magnesium	9.6	mg/L		0.5		E200.7	09/11/06 18:42 / ts
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1		E353.2	09/01/06 09:33 / jal
Potassium	9.0	mg/L		0.5		E200.7	09/11/06 18:42 / ts
Silica	17.7	mg/L		0.1		E200.7	09/11/06 18:42 / ts
Sodium	382	mg/L		0.5		E200.7	09/11/06 18:42 / ts
Sulfate	363	mg/L	D	6		A4500-SO4 E	09/11/06 12:56 / bmm
<b>NON-METALS</b>							
Iodide	ND	mg/L		0.10		E300.0	09/12/06 00:32 / eli-b
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Antimony	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Arsenic	5	ug/L		1		E200.8	09/05/06 16:54 / bws
Barium	23	ug/L		1		E200.8	09/05/06 16:54 / bws
Beryllium	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Boron	1380	ug/L		100		E200.7	09/11/06 18:42 / ts
Cadmium	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Chromium	3	ug/L		1		E200.8	09/05/06 16:54 / bws
Cobalt	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Copper	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Iron	ND	ug/L		30		E200.7	09/11/06 18:42 / ts
Lead	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Lithium	74	ug/L		1		E200.8	09/07/06 18:10 / bws
Manganese	3	ug/L		1		E200.8	09/05/06 16:54 / bws
Molybdenum	17	ug/L		1		E200.8	09/05/06 16:54 / bws
Selenium	22	ug/L		1		E200.8	09/05/06 16:54 / bws
Strontium	2950	ug/L		1		E200.8	09/05/06 16:54 / bws
Thallium	ND	ug/L		1		E200.8	09/05/06 16:54 / bws
Vanadium	12	ug/L		1		E200.8	09/05/06 16:54 / bws
Zinc	45	ug/L		1		E200.8	09/05/06 16:54 / bws
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	24.3	pCi/L		1.0		E900.0	09/15/06 08:57 / rs
Gross Alpha precision (±)	1.8	pCi/L				E900.0	09/15/06 08:57 / 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.



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06081513-011  
**Client Sample ID:** 8350203 (869)

**Report Date:** 09/29/06  
**Collection Date:** 08/24/06 08:25  
**Date Received:** 08/30/06  
**Matrix:** Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>RADIONUCLIDES - DISSOLVED</b>							
Radium 226	0.4	pCi/L		0.2		E903.0	09/19/06 16:38 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	09/19/06 16:38 / trs
Radium 228	ND	pCi/L		1.0		RA-05	09/14/06 16:24 / pj
Uranium 234	8.7	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 234 precision (±)	1.8	pCi/L				E907.0	09/15/06 15:00 / df
Uranium 235	ND	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 238	6.7	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 238 precision (±)	1.5	pCi/L				E907.0	09/15/06 15:00 / df
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.776	%		250		Calculation	09/13/06 11:27 / cp
Anions	19.0	meq/L		250		Calculation	09/13/06 11:27 / cp
Cations	19.3	meq/L		250		Calculation	09/13/06 11:27 / cp

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

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