



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06081513-008  
**Client Sample ID:** 8352702 (866)

**Report Date:** 09/29/06  
**Collection Date:** 08/23/06 11:25  
**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	4	mg/L		1		A2320 B	08/31/06 09:58 / th
Alkalinity, Total as CaCO3	159	mg/L		1		A2320 B	08/31/06 09:58 / th
Bromide	ND	mg/L		0.50		E300.0	09/01/06 05:47 / wen
Calcium	16.1	mg/L		0.5		E200.7	09/11/06 17:53 / ts
Chloride	401	mg/L		1		A4500-Cl B	08/31/06 17:05 / jl
Fluoride	1.0	mg/L		0.1		A4500-F C	08/31/06 07:24 / th
Magnesium	3.3	mg/L		0.5		E200.7	09/11/06 17:53 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	08/31/06 15:03 / jal
Potassium	4.2	mg/L		0.5		E200.7	09/11/06 17:53 / ts
Silica	16.2	mg/L		0.1		E200.7	09/11/06 17:53 / ts
Sodium	452	mg/L		0.5		E200.7	09/11/06 17:53 / ts
Sulfate	275	mg/L	D	6		A4500-SO4 E	09/11/06 12:52 / bmm
<b>NON-METALS</b>							
Iodide	ND	mg/L		0.10		E300.0	09/11/06 22:25 / eli-b
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Antimony	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Arsenic	6	ug/L		1		E200.8	09/05/06 16:31 / bws
Barium	27	ug/L		1		E200.8	09/05/06 16:31 / bws
Beryllium	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Boron	1410	ug/L		100		E200.7	09/11/06 17:53 / ts
Cadmium	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Chromium	2	ug/L		1		E200.8	09/05/06 16:31 / bws
Cobalt	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Copper	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Iron	ND	ug/L		30		E200.7	09/11/06 17:53 / ts
Lead	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Lithium	67	ug/L		1		E200.8	09/11/06 11:40 / bws
Manganese	1	ug/L		1		E200.8	09/05/06 16:31 / bws
Molybdenum	20	ug/L		1		E200.8	09/05/06 16:31 / bws
Selenium	3	ug/L		1		E200.8	09/05/06 16:31 / bws
Strontium	1330	ug/L		1		E200.8	09/05/06 16:31 / bws
Thallium	ND	ug/L		1		E200.8	09/05/06 16:31 / bws
Vanadium	1	ug/L		1		E200.8	09/05/06 16:31 / bws
Zinc	19	ug/L		1		E200.8	09/05/06 16:31 / bws
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	10.2	pCi/L		1.0		E900.0	09/15/06 08:57 / rs
Gross Alpha precision (±)	1.5	pCi/L				E900.0	09/15/06 08:57 / 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>RADIONUCLIDES - DISSOLVED</b>							
Radium 226	ND	pCi/L		0.2		E903.0	09/19/06 16:38 / trs
Radium 228	2.3	pCi/L		1.0		RA-05	09/14/06 16:24 / pj
Radium 228 precision (±)	0.8	pCi/L				RA-05	09/14/06 16:24 / pj
Uranium 234	1.6	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 234 precision (±)	0.7	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	0.6	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 238 precision (±)	0.4	pCi/L				E907.0	09/15/06 15:00 / df
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.42	%		250		Calculation	09/13/06 11:25 / cp
Anions	20.3	meq/L		250		Calculation	09/13/06 11:25 / cp
Cations	20.9	meq/L		250		Calculation	09/13/06 11:25 / cp

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