



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06100938-005  
**Client Sample ID:** 3230605 (8213)

**Report Date:** 10/31/06  
**Collection Date:** 10/17/06 13:39  
**Date Received:** 10/19/06  
**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	10/26/06 14:31 / bmm
Alkalinity, Total as CaCO3	322	mg/L		1		A2320 B	10/26/06 14:31 / bmm
Bromide	1.71	mg/L	D	0.60		E300.0	10/26/06 17:21 / bt
Calcium	20.3	mg/L		0.5		E200.7	10/24/06 16:02 / ts
Chloride	33	mg/L		1		A4500-Cl B	10/20/06 09:11 / jl
Fluoride	7.1	mg/L		0.1		A4500-F C	10/27/06 16:10 / bmm
Magnesium	16.5	mg/L		0.5		E200.7	10/24/06 16:02 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/20/06 15:43 / jal
Potassium	5.1	mg/L		0.5		E200.7	10/24/06 16:02 / ts
Silica	13.1	mg/L		0.1		E200.7	10/24/06 16:02 / ts
Sodium	757	mg/L	E	0.5		E200.7	10/24/06 16:02 / ts
Sulfate	1430	mg/L	D	30		A4500-SO4 E	10/20/06 09:51 / jal
<b>METALS - DISSOLVED</b>							
Aluminum	1	ug/L		1		E200.8	10/20/06 21:00 / sml
Antimony	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Arsenic	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Barium	168	ug/L		1		E200.8	10/20/06 21:00 / sml
Beryllium	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Boron	991	ug/L		100		E200.7	10/24/06 16:02 / ts
Cadmium	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Chromium	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Cobalt	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Copper	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Iron	497	ug/L		30		E200.7	10/24/06 16:02 / ts
Lead	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Lithium	168	ug/L		1		E200.8	10/20/06 11:19 / bws
Manganese	27	ug/L		1		E200.8	10/20/06 21:00 / sml
Molybdenum	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Selenium	1	ug/L		1		E200.8	10/20/06 21:00 / sml
Strontium	8570	ug/L		1		E200.8	10/20/06 21:00 / sml
Thallium	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Vanadium	ND	ug/L		1		E200.8	10/20/06 21:00 / sml
Zinc	1	ug/L		1		E200.8	10/20/06 21:00 / sml
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.49	%		250		Calculation	10/27/06 15:23 / cp
Anions	37.3	meq/L		250		Calculation	10/27/06 15:23 / cp
Cations	35.5	meq/L		250		Calculation	10/27/06 15:23 / cp

**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.  
 E - Estimated value. Result exceeds the instrument upper quantitation limit.