



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C07070695-011  
**Client Sample ID:** 3235501

**Report Date:** 08/02/07  
**Collection Date:** 07/11/07 11:15  
**Date Received:** 07/17/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>MAJOR IONS</b>							
Alkalinity, Phenolphthalein as CaCO3	14	mg/L		1		A2320 B	07/23/07 08:37 / bas
Alkalinity, Total as CaCO3	348	mg/L		1		A2320 B	07/23/07 08:37 / bas
Bromide	ND	mg/L		0.50		E300.0	07/26/07 20:30 / bt
Calcium	1.7	mg/L		0.5		E200.7	07/26/07 14:19 / cp
Chloride	29	mg/L		1		A4500-Cl B	07/18/07 14:10 / jl
Fluoride	0.7	mg/L		0.1		A4500-F C	07/23/07 12:52 / bas
Magnesium	0.5	mg/L		0.5		E200.7	07/26/07 14:19 / cp
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/19/07 12:46 / jal
Potassium	1.3	mg/L		0.5		E200.7	07/26/07 14:19 / cp
Silica	11.1	mg/L		0.1		E200.7	07/26/07 14:19 / cp
Sodium	205	mg/L	D	0.8		E200.7	07/26/07 14:19 / cp
Sulfate	91	mg/L		1		A4500-SO4 E	07/17/07 14:32 / zd
<b>METALS - DISSOLVED</b>							
Aluminum	5	ug/L		1		E200.8	07/30/07 06:33 / bws
Antimony	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Arsenic	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Barium	21	ug/L		1		E200.8	07/30/07 06:33 / bws
Beryllium	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Boron	357	ug/L		100		E200.7	07/26/07 14:19 / cp
Cadmium	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Chromium	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Cobalt	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Copper	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Iron	ND	ug/L		30		E200.7	07/26/07 14:19 / cp
Lead	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Lithium	47	ug/L		1		E200.8	07/24/07 13:52 / sml
Manganese	1	ug/L		1		E200.8	07/30/07 06:33 / bws
Molybdenum	2	ug/L		1		E200.8	07/30/07 06:33 / bws
Selenium	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Strontium	127	ug/L		1		E200.8	07/30/07 06:33 / bws
Thallium	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Vanadium	ND	ug/L		1		E200.8	07/30/07 06:33 / bws
Zinc	3	ug/L		1		E200.8	07/30/07 06:33 / bws
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.47	%		250		Calculation	07/30/07 14:14 / bws
Anions	9.71	meq/L		250		Calculation	07/30/07 14:14 / bws
Cations	9.06	meq/L		250		Calculation	07/30/07 14:14 / bws

**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.