



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C07070695-006  
**Client Sample ID:** 3246907

**Report Date:** 08/02/07  
**Collection Date:** 07/10/07 11:30  
**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	12	mg/L		1		A2320 B	07/23/07 08:37 / bas
Alkalinity, Total as CaCO3	344	mg/L		1		A2320 B	07/23/07 08:37 / bas
Bromide	ND	mg/L		0.50		E300.0	07/26/07 17:36 / bt
Calcium	1.6	mg/L		0.5		E200.7	07/26/07 13:46 / cp
Chloride	44	mg/L		1		A4500-Cl B	07/18/07 14:03 / jl
Fluoride	0.7	mg/L		0.1		A4500-F C	07/23/07 12:46 / bas
Magnesium	ND	mg/L		0.5		E200.7	07/26/07 13:46 / cp
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/19/07 12:24 / jal
Potassium	1.1	mg/L		0.5		E200.7	07/26/07 13:46 / cp
Silica	14.8	mg/L		0.1		E200.7	07/26/07 13:46 / cp
Sodium	217	mg/L	D	0.8		E200.7	07/26/07 13:46 / cp
Sulfate	91	mg/L		1		A4500-SO4 E	07/17/07 13:58 / zd
<b>METALS - DISSOLVED</b>							
Aluminum	5	ug/L		1		E200.8	07/30/07 05:39 / bws
Antimony	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Arsenic	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Barium	64	ug/L		1		E200.8	07/30/07 05:39 / bws
Beryllium	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Boron	437	ug/L		100		E200.7	07/26/07 13:46 / cp
Cadmium	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Chromium	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Cobalt	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Copper	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Iron	ND	ug/L		30		E200.7	07/26/07 13:46 / cp
Lead	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Lithium	46	ug/L		1		E200.8	07/24/07 12:18 / sml
Manganese	2	ug/L		1		E200.8	07/30/07 05:39 / bws
Molybdenum	2	ug/L		1		E200.8	07/30/07 05:39 / bws
Selenium	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Strontium	260	ug/L		1		E200.8	07/30/07 05:39 / bws
Thallium	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Vanadium	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
Zinc	ND	ug/L		1		E200.8	07/30/07 05:39 / bws
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.33	%		250		Calculation	07/30/07 14:13 / bws
Anions	10.1	meq/L		250		Calculation	07/30/07 14:13 / bws
Cations	9.60	meq/L		250		Calculation	07/30/07 14:13 / bws

**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.