



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C07070695-005  
**Client Sample ID:** 3246908

**Report Date:** 08/02/07  
**Collection Date:** 07/10/07 10:30  
**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	20	mg/L		1		A2320 B	07/23/07 08:37 / bas
Alkalinity, Total as CaCO3	551	mg/L		1		A2320 B	07/23/07 08:37 / bas
Bromide	ND	mg/L		0.50		E300.0	07/26/07 17:15 / bt
Calcium	1.4	mg/L		0.5		E200.7	07/26/07 13:42 / cp
Chloride	27	mg/L		1		A4500-Cl B	07/18/07 14:02 / jl
Fluoride	5.6	mg/L		0.1		A4500-F C	07/23/07 12:45 / bas
Magnesium	0.5	mg/L		0.5		E200.7	07/26/07 13:42 / cp
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/19/07 12:14 / jal
Potassium	1.5	mg/L		0.5		E200.7	07/26/07 13:42 / cp
Silica	11.9	mg/L		0.1		E200.7	07/26/07 13:42 / cp
Sodium	324	mg/L	D	0.8		E200.7	07/26/07 13:42 / cp
Sulfate	157	mg/L	D	2		A4500-SO4 E	07/17/07 13:55 / zd
<b>METALS - DISSOLVED</b>							
Aluminum	3	ug/L		1		E200.8	07/30/07 03:38 / bws
Antimony	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Arsenic	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Barium	5	ug/L		1		E200.8	07/30/07 03:38 / bws
Beryllium	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Boron	1970	ug/L		100		E200.7	07/26/07 13:42 / cp
Cadmium	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Chromium	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Cobalt	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Copper	7	ug/L		1		E200.8	07/30/07 03:38 / bws
Iron	ND	ug/L		30		E200.7	07/26/07 13:42 / cp
Lead	2	ug/L		1		E200.8	07/30/07 03:38 / bws
Lithium	47	ug/L		1		E200.8	07/24/07 11:30 / sml
Manganese	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Molybdenum	2	ug/L		1		E200.8	07/30/07 03:38 / bws
Selenium	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Strontium	170	ug/L		1		E200.8	07/30/07 03:38 / bws
Thallium	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Vanadium	ND	ug/L		1		E200.8	07/30/07 03:38 / bws
Zinc	8	ug/L		1		E200.8	07/30/07 03:38 / bws
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.73	%		250		Calculation	07/30/07 14:13 / bws
Anions	15.3	meq/L		250		Calculation	07/30/07 14:13 / bws
Cations	14.2	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.