



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C07071347-008  
**Client Sample ID:** 1836401 (8271)

**Report Date:** 08/17/07  
**Collection Date:** 07/25/07 15:07  
**Date Received:** 07/28/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>MAJOR IONS</b>							
Alkalinity, Phenolphthalein as CaCO3	42	mg/L		1		A2320 B	07/30/07 19:41 / bas
Alkalinity, Total as CaCO3	598	mg/L		1		A2320 B	07/30/07 19:41 / bas
Bromide	ND	mg/L		0.50		E300.0	08/07/07 05:23 / bt
Calcium	1.2	mg/L		0.5		E200.7	08/07/07 17:30 / ts
Chloride	20	mg/L		1		A4500-Cl B	08/01/07 13:38 / jl
Fluoride	2.2	mg/L		0.1		A4500-F C	07/31/07 13:08 / bas
Magnesium	ND	mg/L		0.5		E200.7	08/07/07 17:30 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/31/07 15:24 / ljl
Potassium	1.0	mg/L		0.5		E200.7	08/07/07 17:30 / ts
Silica	13.4	mg/L		0.1		E200.7	08/07/07 17:30 / ts
Sodium	320	mg/L		0.5		E200.7	08/07/07 17:30 / ts
Sulfate	100	mg/L		1		A4500-SO4 E	07/30/07 15:47 / zd
<b>METALS - DISSOLVED</b>							
Aluminum	5	ug/L		1		E200.8	08/11/07 03:40 / sml
Antimony	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Arsenic	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Barium	5	ug/L		1		E200.8	08/11/07 03:40 / sml
Beryllium	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Boron	1180	ug/L		100		E200.7	08/07/07 17:30 / ts
Cadmium	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Chromium	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Cobalt	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Copper	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Iron	ND	ug/L		30		E200.7	08/07/07 17:30 / ts
Lead	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Lithium	23	ug/L		1		E200.8	08/16/07 00:59 / bws
Manganese	2	ug/L		1		E200.8	08/11/07 03:40 / sml
Molybdenum	1	ug/L		1		E200.8	08/11/07 03:40 / sml
Selenium	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Strontium	51	ug/L		1		E200.8	08/11/07 03:40 / sml
Thallium	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Vanadium	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
Zinc	ND	ug/L		1		E200.8	08/11/07 03:40 / sml
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.40	%		250		Calculation	08/13/07 13:16 / bws
Anions	14.7	meq/L		250		Calculation	08/13/07 13:16 / bws
Cations	14.0	meq/L		250		Calculation	08/13/07 13:16 / bws

**Report Definitions:** RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.