



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C07071178-003  
**Client Sample ID:** 1820703

**Report Date:** 08/17/07  
**Collection Date:** 07/18/07 09:30  
**Date Received:** 07/25/07  
**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	07/27/07 20:24 / bas
Alkalinity, Total as CaCO3	356	mg/L		1		A2320 B	07/27/07 20:24 / bas
Bromide	1.56	mg/L		0.50		E300.0	08/06/07 20:58 / bt
Calcium	3.7	mg/L		0.5		E200.7	07/31/07 13:46 / ts
Chloride	286	mg/L		1		A4500-Cl B	07/26/07 14:36 / jl
Fluoride	0.8	mg/L		0.1		A4500-F C	07/27/07 13:12 / bas
Magnesium	1.1	mg/L		0.5		E200.7	07/31/07 13:46 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/30/07 15:13 / ljl
Potassium	2.5	mg/L		0.5		E200.7	07/31/07 13:46 / ts
Silica	12.6	mg/L		0.1		E200.7	07/31/07 13:46 / ts
Sodium	391	mg/L		0.5		E200.7	07/31/07 13:46 / ts
Sulfate	116	mg/L	D	2		A4500-SO4 E	07/25/07 16:30 / zd
<b>METALS - DISSOLVED</b>							
Aluminum	5	ug/L		1		E200.8	08/07/07 23:56 / sml
Antimony	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Arsenic	1	ug/L		1		E200.8	08/07/07 23:56 / sml
Barium	17	ug/L		1		E200.8	08/07/07 23:56 / sml
Beryllium	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Boron	426	ug/L		100		E200.7	07/31/07 13:46 / ts
Cadmium	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Chromium	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Cobalt	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Copper	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Iron	ND	ug/L		30		E200.7	07/31/07 13:46 / ts
Lead	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Lithium	28	ug/L		1		E200.8	08/15/07 23:23 / bws
Manganese	1	ug/L		1		E200.7	07/31/07 13:46 / ts
Molybdenum	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Selenium	2	ug/L		1		E200.8	08/07/07 23:56 / sml
Strontium	255	ug/L		1		E200.8	08/07/07 23:56 / sml
Thallium	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Vanadium	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
Zinc	ND	ug/L		1		E200.8	08/07/07 23:56 / sml
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.987	%		250		Calculation	08/08/07 11:19 / bws
Anions	17.7	meq/L		250		Calculation	08/08/07 11:19 / bws
Cations	17.3	meq/L		250		Calculation	08/08/07 11:19 / bws

**Report Definitions:** RL - Analyte reporting limit. MCL - Maximum contaminant level.  
 QCL - Quality control limit. ND - Not detected at the reporting limit.  
 D - RL increased due to sample matrix interference.