



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C07070372-013  
**Client Sample ID:** 465409 (212)

**Report Date:** 07/26/07  
**Collection Date:** 07/03/07 13:50  
**Date Received:** 07/10/07  
**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	07/16/07 11:40 / ljl
Alkalinity, Total as CaCO3	179	mg/L		1		A2320 B	07/16/07 11:40 / ljl
Bromide	ND	mg/L		0.50		E300.0	07/18/07 01:18 / bt
Calcium	73.9	mg/L		0.5		E200.7	07/13/07 17:45 / cp
Chloride	116	mg/L		1		A4500-Cl B	07/11/07 15:12 / jl
Fluoride	1.4	mg/L		0.1		A4500-F C	07/11/07 10:37 / bas
Magnesium	19.5	mg/L		0.5		E200.7	07/13/07 17:45 / cp
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	07/11/07 10:30 / jal
Potassium	8.3	mg/L		0.5		E200.7	07/13/07 17:45 / cp
Silica	18.1	mg/L		0.1		E200.7	07/13/07 17:45 / cp
Sodium	167	mg/L	D	0.8		E200.7	07/13/07 17:45 / cp
Sulfate	298	mg/L	D	3		A4500-SO4 E	07/11/07 16:49 / zd
<b>METALS - DISSOLVED</b>							
Aluminum	2	ug/L		1		E200.8	07/16/07 18:22 / bws
Antimony	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Arsenic	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Barium	21	ug/L		1		E200.8	07/16/07 18:22 / bws
Beryllium	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Boron	247	ug/L		100		E200.7	07/13/07 17:45 / cp
Cadmium	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Chromium	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Cobalt	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Copper	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Iron	100	ug/L		30		E200.7	07/13/07 17:45 / cp
Lead	1	ug/L		1		E200.8	07/16/07 18:22 / bws
Lithium	48	ug/L		1		E200.8	07/11/07 21:29 / sml
Manganese	5	ug/L		1		E200.8	07/16/07 18:22 / bws
Molybdenum	6	ug/L		1		E200.8	07/16/07 18:22 / bws
Selenium	8	ug/L		1		E200.8	07/16/07 18:22 / bws
Strontium	1360	ug/L		1		E200.8	07/16/07 18:22 / bws
Thallium	ND	ug/L		1		E200.8	07/16/07 18:22 / bws
Vanadium	1	ug/L		1		E200.8	07/16/07 18:22 / bws
Zinc	3	ug/L		1		E200.8	07/16/07 18:22 / bws
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.53	%		250		Calculation	07/19/07 12:29 / bws
Anions	13.2	meq/L		250		Calculation	07/19/07 12:29 / bws
Cations	12.8	meq/L		250		Calculation	07/19/07 12:29 / 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.