



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06040541-005  
**Client Sample ID:** 8504401

**Report Date:** 04/28/06  
**Collection Date:** 04/10/06 13:30  
**Date Received:** 04/13/06  
**Matrix:** Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>MAJOR IONS</b>							
Alkalinity, Phenolphthalein as CaCO3	45.2	mg/L		1		A2320 B	04/13/06 14:54 / th
Alkalinity, Total as CaCO3	533	mg/L		1		A2320 B	04/13/06 14:54 / th
Bromide	ND	mg/L		0.50		E300.0	04/20/06 16:51 / wen
Calcium	1.4	mg/L		0.5		E200.7	04/24/06 17:55 / cp
Chloride	188	mg/L		1		A4500-Cl B	04/18/06 13:39 / jl
Fluoride	1.3	mg/L		0.1		A4500-F C	04/14/06 11:49 / th
Magnesium	ND	mg/L		0.5		E200.7	04/24/06 17:55 / cp
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1		E353.2	04/13/06 13:27 / jal
Potassium	1.9	mg/L		0.5		E200.7	04/24/06 17:55 / cp
Silica	17.4	mg/L		0.1		E200.7	04/24/06 17:55 / cp
Sodium	420	mg/L		0.5		E200.7	04/24/06 17:55 / cp
Sulfate	116	mg/L	D	3		A4500-SO4 E	04/14/06 13:35 / th
<b>METALS - DISSOLVED</b>							
Aluminum	5	ug/L		1		E200.8	04/14/06 13:36 / sml
Antimony	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Arsenic	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Barium	104	ug/L		1		E200.8	04/14/06 13:36 / sml
Beryllium	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Boron	1050	ug/L		100		E200.7	04/24/06 17:55 / cp
Cadmium	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Chromium	2	ug/L		1		E200.8	04/14/06 13:36 / sml
Cobalt	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Copper	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Iron	ND	ug/L		30		E200.7	04/24/06 17:55 / cp
Lead	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Lithium	39	ug/L		1		E200.8	04/14/06 15:12 / bws
Manganese	5	ug/L		1		E200.8	04/14/06 13:36 / sml
Molybdenum	3	ug/L		1		E200.8	04/14/06 13:36 / sml
Selenium	1	ug/L		1		E200.8	04/14/06 13:36 / sml
Strontium	129	ug/L		1		E200.8	04/14/06 13:36 / sml
Thallium	ND	ug/L		1		E200.8	04/14/06 13:36 / sml
Vanadium	3	ug/L		1		E200.8	04/14/06 13:36 / sml
Zinc	5	ug/L		1		E200.8	04/14/06 13:36 / sml
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.101	%		250		Calculation	04/26/06 16:03 / cp
Anions	18.5	meq/L		250		Calculation	04/26/06 16:03 / cp
Cations	18.4	meq/L		250		Calculation	04/26/06 16:03 / cp

**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.