



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06080282-002  
**Client Sample ID:** 3248602 (2257)

**Report Date:** 08/22/06  
**Collection Date:** 08/02/06 12:08  
**Date Received:** 08/05/06  
**Matrix:** Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>MAJOR IONS</b>							
Alkalinity, Phenolphthalein as CaCO3	44	mg/L		1		A2320 B	08/10/06 09:24 / th
Alkalinity, Total as CaCO3	488	mg/L		1		A2320 B	08/10/06 09:24 / th
Bromide	ND	mg/L		0.50		E300.0	08/15/06 17:43 / wen
Calcium	1.6	mg/L		0.5		E200.7	08/14/06 15:08 / ts
Chloride	34	mg/L		1		A4500-Cl B	08/07/06 12:54 / jl
Fluoride	1.9	mg/L		0.1		A4500-F C	08/09/06 15:16 / th
Magnesium	ND	mg/L		0.5		E200.7	08/14/06 15:08 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	08/07/06 13:52 / jal
Potassium	1.5	mg/L		0.5		E200.7	08/14/06 15:08 / ts
Silica	10.4	mg/L		0.1		E200.7	08/14/06 15:08 / ts
Sodium	312	mg/L		0.5		E200.7	08/14/06 15:08 / ts
Sulfate	142	mg/L	D	3		A4500-SO4 E	08/10/06 16:11 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	2	ug/L		1		E200.8	08/14/06 19:04 / bws
Antimony	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Arsenic	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Barium	2	ug/L		1		E200.8	08/11/06 23:14 / bws
Beryllium	ND	ug/L		1		E200.8	08/14/06 19:04 / bws
Boron	1710	ug/L		100		E200.7	08/14/06 15:08 / ts
Cadmium	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Chromium	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Cobalt	ND	ug/L		1		E200.8	08/13/06 17:12 / bws
Copper	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Iron	ND	ug/L		30		E200.7	08/14/06 15:08 / ts
Lead	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Lithium	28	ug/L		1		E200.8	08/08/06 11:43 / bws
Manganese	6	ug/L		1		E200.8	08/13/06 17:12 / bws
Molybdenum	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Selenium	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Strontium	87	ug/L		1		E200.8	08/13/06 17:12 / bws
Thallium	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Vanadium	ND	ug/L		1		E200.8	08/11/06 23:14 / bws
Zinc	7	ug/L		1		E200.8	08/13/06 17:12 / bws
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.206	%		250		Calculation	08/15/06 15:33 / cp
Anions	13.8	meq/L		250		Calculation	08/15/06 15:33 / cp
Cations	13.7	meq/L		250		Calculation	08/15/06 15:33 / cp

**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.