



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06080514-001  
**Client Sample ID:** 1356805 (468)

**Report Date:** 09/01/06  
**Collection Date:** 08/08/06 09:35  
**Date Received:** 08/10/06  
**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	08/14/06 14:52 / th
Alkalinity, Total as CaCO3	349	mg/L		1		A2320 B	08/11/06 16:39 / th
Bromide	ND	mg/L		0.50		E300.0	08/15/06 19:36 / wen
Calcium	70.5	mg/L		0.5		E200.7	08/18/06 16:29 / ts
Chloride	95	mg/L		1		A4500-Cl B	08/14/06 14:48 / jl
Fluoride	1.6	mg/L		0.1		A4500-F C	08/11/06 15:04 / th
Magnesium	57.3	mg/L		0.5		E200.7	08/18/06 16:29 / ts
Nitrogen, Nitrate+Nitrite as N	17.0	mg/L	D	0.3		E353.2	08/14/06 12:59 / jal
Potassium	1.7	mg/L		0.5		E200.7	08/18/06 16:29 / ts
Silica	23.7	mg/L		0.1		E200.7	08/18/06 16:29 / ts
Sodium	111	mg/L		0.5		E200.7	08/18/06 16:29 / ts
Sulfate	82	mg/L	D	3		A4500-SO4 E	08/23/06 10:50 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Antimony	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Arsenic	2	ug/L		1		E200.8	08/18/06 23:07 / bws
Barium	77	ug/L		1		E200.8	08/18/06 23:07 / bws
Beryllium	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Boron	355	ug/L		100		E200.7	08/18/06 16:29 / ts
Cadmium	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Chromium	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Cobalt	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Copper	7	ug/L		1		E200.8	08/18/06 23:07 / bws
Iron	ND	ug/L		30		E200.7	08/18/06 16:29 / ts
Lead	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Lithium	23	ug/L		1		E200.8	08/25/06 14:09 / bws
Manganese	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Molybdenum	3	ug/L		1		E200.8	08/18/06 23:07 / bws
Selenium	5	ug/L		1		E200.8	08/18/06 23:07 / bws
Strontium	824	ug/L		1		E200.8	08/18/06 23:07 / bws
Thallium	ND	ug/L		1		E200.8	08/18/06 23:07 / bws
Uranium	14.1	ug/L		0.3		E200.8	08/18/06 23:07 / bws
Vanadium	10	ug/L		1		E200.8	08/18/06 23:07 / bws
Zinc	41	ug/L		1		E200.8	08/18/06 23:07 / bws
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	7.4	pCi/L		1.0		E900.0	08/25/06 07:06 / rs
Gross Alpha precision (±)	0.7	pCi/L				E900.0	08/25/06 07:06 / rs

**Report** RL - Analyte reporting limit.

**Definitions:** QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06080514-001  
**Client Sample ID:** 1356805 (468)

**Report Date:** 09/01/06  
**Collection Date:** 08/08/06 09:35  
**Date Received:** 08/10/06  
**Matrix:** Aqueous

---

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.72	%		250		Calculation	08/24/06 10:05 / dab
Anions	12.7	meq/L		250		Calculation	08/24/06 10:05 / dab
Cations	13.1	meq/L		250		Calculation	08/24/06 10:05 / dab

---

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

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