



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** TWDB  
**Lab ID:** C06061228-004  
**Client Sample ID:** 1151305 (2606)

**Report Date:** 07/13/06  
**Collection Date:** 06/20/06 08:55  
**Date Received:** 06/23/06  
**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	07/05/06 17:06 / jl
Alkalinity, Total as CaCO3	250	mg/L		1		A2320 B	07/05/06 17:06 / jl
Bromide	0.23	mg/L			0.05	E300.0	06/30/06 17:03 / eli-b
Calcium	56.7	mg/L			0.5	E200.7	06/27/06 16:35 / ts
Chloride	43	mg/L		1		A4500-Cl B	06/26/06 14:08 / jl
Fluoride	3.2	mg/L			0.1	A4500-F C	06/30/06 11:26 / th
Magnesium	42.9	mg/L			0.5	E200.7	06/27/06 16:35 / ts
Nitrogen, Nitrate+Nitrite as N	1.6	mg/L			0.1	E353.2	06/29/06 11:16 / jal
Potassium	8.5	mg/L			0.5	E200.7	06/27/06 16:35 / ts
Silica	51.0	mg/L			0.1	E200.7	06/27/06 16:35 / ts
Sodium	34.8	mg/L			0.5	E200.7	06/27/06 16:35 / ts
Sulfate	49	mg/L	D	1		A4500-SO4 E	07/05/06 16:39 / bm
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Antimony	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Arsenic	4	ug/L			1	E200.8	06/28/06 21:24 / sml
Barium	107	ug/L			1	E200.8	06/28/06 21:24 / sml
Beryllium	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Boron	198	ug/L			100	E200.7	06/27/06 16:35 / ts
Cadmium	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Chromium	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Cobalt	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Copper	3	ug/L			1	E200.8	06/28/06 21:24 / sml
Iron	ND	ug/L			30	E200.7	06/27/06 16:35 / ts
Lead	2	ug/L			1	E200.8	06/28/06 21:24 / sml
Lithium	92	ug/L			1	E200.8	06/26/06 19:22 / bws
Manganese	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Molybdenum	6	ug/L			1	E200.8	06/28/06 21:24 / sml
Selenium	7	ug/L			1	E200.8	06/28/06 21:24 / sml
Strontium	1220	ug/L			1	E200.8	06/28/06 21:24 / sml
Thallium	ND	ug/L			1	E200.8	06/28/06 21:24 / sml
Uranium	8.1	ug/L			0.3	E200.8	06/28/06 21:24 / sml
Vanadium	19	ug/L			1	E200.8	06/28/06 21:24 / sml
Zinc	2	ug/L			1	E200.8	06/28/06 21:24 / sml
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	2.8	pCi/L			1.0	E900.0	07/09/06 00:08 / rs
Gross Alpha precision (±)	0.6	pCi/L				E900.0	07/09/06 00:08 / 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.



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<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.65	%		250		Calculation	07/08/06 15:34 / cp
Anions	7.52	meq/L		250		Calculation	07/08/06 15:34 / cp
Cations	8.09	meq/L		250		Calculation	07/08/06 15:34 / cp

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