



LABORATORY ANALYTICAL REPORT

**Client:** Texas Water Development Board  
**Project:** Groundwater Monitoring  
**Lab ID:** C05101247-011  
**Client Sample ID:** 8020206

**Report Date:** 11/30/05  
**Collection Date:** 10/26/05 13:15  
**Date Received:** 10/29/05  
**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	11/01/05 14:17 / th
Alkalinity, Total as CaCO3	300	mg/L		1		A2320 B	11/01/05 14:17 / th
Bromide	ND	mg/L		0.50		E300.0	10/30/05 01:38 / wen
Calcium	66.0	mg/L		0.5		E200.7	11/03/05 16:14 / ts
Chloride	348	mg/L		1		A4500-Cl B	10/31/05 17:00 / th
Fluoride	0.7	mg/L		0.1		A4500-F C	11/02/05 11:38 / slb
Magnesium	39.5	mg/L		0.5		E200.7	11/03/05 16:14 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/31/05 11:01 / jal
Potassium	6.5	mg/L		0.5		E200.7	11/03/05 16:14 / ts
Silica	18.1	mg/L		0.1		E200.7	11/03/05 16:14 / ts
Sodium	248	mg/L		0.5		E200.7	11/03/05 16:14 / ts
Sulfate	59	mg/L		1		A4500-SO4 E	11/04/05 09:35 / jal
<b>METALS - DISSOLVED</b>							
Aluminum	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Antimony	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Arsenic	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Barium	156	ug/L		1		E200.8	11/01/05 05:37 / sml
Beryllium	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Boron	531	ug/L		100		E200.7	11/03/05 16:14 / ts
Cadmium	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Chromium	2	ug/L		1		E200.8	11/01/05 05:37 / sml
Cobalt	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Copper	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Iron	44	ug/L		30		E200.7	11/03/05 16:14 / ts
Lead	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Lithium	ND	ug/L		100		E200.7	11/03/05 16:14 / ts
Manganese	99	ug/L		1		E200.8	11/01/05 05:37 / sml
Molybdenum	1	ug/L		1		E200.8	11/01/05 05:37 / sml
Selenium	2	ug/L		1		E200.8	11/01/05 05:37 / sml
Strontium	1580	ug/L		1		E200.8	11/01/05 05:37 / sml
Thallium	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Vanadium	ND	ug/L		1		E200.8	11/01/05 05:37 / sml
Zinc	5	ug/L		1		E200.8	11/01/05 05:37 / sml
<b>RADIONUCLIDES - DISSOLVED</b>							
Gross Alpha	9.3	pCi/L		1.0		E900.0	11/14/05 10:00 / rs
Gross Alpha precision (±)	1.3	pCi/L				E900.0	11/14/05 10:00 / rs
Gross Beta	17.1	pCi/L		2.0		E900.0	11/14/05 10:00 / rs
Gross Beta precision (±)	2.9	pCi/L				E900.0	11/14/05 10:00 / rs

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

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



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<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.29	%				Calculation	11/07/05 16:11 / smd
Anions	17.1	meq/L				Calculation	11/07/05 16:11 / smd
Cations	17.5	meq/L				Calculation	11/07/05 16:11 / smd

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