



LABORATORY ANALYTICAL REPORT

Client: Texas Water Development Board
Project: Groundwater Monitoring
Lab ID: C05100947-005
Client Sample ID: 8754835

Report Date: 11/21/05
Collection Date: 10/19/05 16:26
Date Received: 10/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Phenolphthalein as CaCO3	ND	mg/L		1		A2320 B	10/24/05 11:00 / th
Alkalinity, Total as CaCO3	192	mg/L		1		A2320 B	10/24/05 11:00 / th
Bromide	2.66	mg/L	D	0.60		E300.0	10/22/05 18:33 / wen
Calcium	76.6	mg/L		0.5		E200.7	10/28/05 17:52 / ts
Chloride	248	mg/L		1		A4500-Cl B	11/07/05 14:36 / jl
Fluoride	0.9	mg/L		0.1		A4500-F C	10/27/05 14:13 / slb
Magnesium	29.2	mg/L		0.5		E200.7	10/28/05 17:52 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/25/05 14:45 / jl
Potassium	6.7	mg/L		0.5		E200.7	10/28/05 17:52 / ts
Silica	23.7	mg/L		0.1		E200.7	10/28/05 17:52 / ts
Sodium	211	mg/L		0.5		E200.7	10/28/05 17:52 / ts
Sulfate	295	mg/L	D	1		A4500-SO4 E	10/26/05 14:13 / sml
METALS - DISSOLVED							
Aluminum	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Antimony	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Arsenic	1	ug/L		1		E200.8	10/26/05 04:15 / sml
Barium	26	ug/L		1		E200.8	10/26/05 04:15 / sml
Beryllium	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Boron	509	ug/L		100		E200.7	10/28/05 17:52 / ts
Cadmium	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Chromium	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Cobalt	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Copper	2	ug/L		1		E200.8	10/26/05 04:15 / sml
Iron	ND	ug/L		30		E200.7	10/28/05 17:52 / ts
Lead	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Lithium	ND	ug/L		100		E200.7	10/28/05 17:52 / ts
Manganese	6	ug/L		1		E200.8	10/26/05 04:15 / sml
Molybdenum	20	ug/L		1		E200.8	10/26/05 04:15 / sml
Selenium	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Strontium	1900	ug/L		1		E200.8	10/26/05 04:15 / sml
Thallium	ND	ug/L		1		E200.8	10/26/05 04:15 / sml
Uranium	5.9	ug/L		0.3		E200.8	10/27/05 02:07 / sml
Vanadium	5	ug/L		1		E200.8	10/26/05 04:15 / sml
Zinc	6	ug/L		1		E200.8	10/26/05 04:15 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha	6.2	pCi/L		1.0		E900.0	11/04/05 09:00 / pj
Gross Alpha precision (±)	1.3	pCi/L				E900.0	11/04/05 09:00 / pj
Gross Beta	11.9	pCi/L		2.0		E900.0	11/04/05 09:00 / pj
Gross Beta precision (±)	2.9	pCi/L				E900.0	11/04/05 09:00 / pj

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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DATA QUALITY							
A/C Balance (± 5)	-4.59	%				Calculation	11/10/05 15:23 / smd
Anions	17.1	meq/L				Calculation	11/10/05 15:23 / smd
Cations	15.6	meq/L				Calculation	11/10/05 15:23 / smd

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Definitions: QCL - Quality control limit.

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