



LABORATORY ANALYTICAL REPORT

Client: Texas Water Development Board
Project: TWDB
Lab ID: C06080705-009
Client Sample ID: 8304210 (857)

Report Date: 09/19/06
Collection Date: 08/09/06 09:05
Date Received: 08/15/06
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	08/17/06 14:33 / th
Alkalinity, Total as CaCO3	294	mg/L		1		A2320 B	08/17/06 14:33 / th
Bromide	2.4	mg/L			0.10	E300.0	08/21/06 17:34 / eli-b
Calcium	102	mg/L			0.5	E200.7	08/29/06 15:22 / ts
Chloride	795	mg/L		1		A4500-Cl B	08/16/06 14:59 / jl
Fluoride	1.0	mg/L			0.1	A4500-F C	08/16/06 13:52 / th
Magnesium	43.4	mg/L			0.5	E200.7	08/29/06 15:22 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L			0.1	E353.2	08/21/06 13:17 / jal
Potassium	5.9	mg/L			0.5	E200.7	08/29/06 15:22 / ts
Silica	29.7	mg/L			0.1	E200.7	08/29/06 15:22 / ts
Sodium	532	mg/L			0.5	E200.7	08/29/06 15:22 / ts
Sulfate	191	mg/L	D		3	A4500-SO4 E	08/18/06 15:38 / bm
NON-METALS							
Iodide	ND	mg/L	D		0.50	E300.0	08/23/06 02:14 / eli-b
METALS - DISSOLVED							
Aluminum	ND	ug/L			1	E200.8	08/23/06 05:29 / sml
Antimony	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Arsenic	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Barium	51	ug/L			1	E200.8	08/22/06 06:09 / bws
Beryllium	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Boron	2350	ug/L			100	E200.7	08/29/06 15:22 / ts
Cadmium	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Chromium	4	ug/L			1	E200.8	08/22/06 06:09 / bws
Cobalt	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Copper	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Iron	43	ug/L			30	E200.7	08/29/06 15:22 / ts
Lead	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Lithium	133	ug/L			1	E200.8	08/26/06 14:41 / bws
Manganese	10	ug/L			1	E200.8	08/22/06 06:09 / bws
Molybdenum	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Selenium	4	ug/L			1	E200.8	08/22/06 06:09 / bws
Strontium	2010	ug/L			1	E200.8	08/22/06 06:09 / bws
Thallium	ND	ug/L			1	E200.8	08/22/06 06:09 / bws
Vanadium	1	ug/L			1	E200.8	08/22/06 06:09 / bws
Zinc	1	ug/L			1	E200.8	08/22/06 06:09 / bws
RADIONUCLIDES - DISSOLVED							
Gross Alpha	12.2	pCi/L			1.0	E900.0	09/03/06 21:48 / rs
Gross Alpha precision (±)	2.2	pCi/L				E900.0	09/03/06 21:48 / rs

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.



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				RL	QCL		
RADIONUCLIDES - DISSOLVED							
Radium 226	3.3	pCi/L		0.2		E903.0	09/11/06 11:51 / trs
Radium 226 precision (±)	0.5	pCi/L				E903.0	09/11/06 11:51 / trs
Radium 228	ND	pCi/L		1.0		RA-05	08/29/06 13:18 / pj
Uranium 234	ND	pCi/L		0.2		E907.0	09/05/06 11:00 / df
Uranium 235	ND	pCi/L		0.2		E907.0	09/05/06 11:00 / df
Uranium 238	ND	pCi/L		0.2		E907.0	09/05/06 11:00 / df
DATA QUALITY							
A/C Balance (± 5)	0.643	%		250		Calculation	09/01/06 16:35 / sec
Anions	32.4	meq/L		250		Calculation	09/01/06 16:35 / sec
Cations	32.0	meq/L		250		Calculation	09/01/06 16:35 / sec

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