



LABORATORY ANALYTICAL REPORT

Client: Texas Water Development Board
Project: TWDB
Lab ID: C06081513-006
Client Sample ID: 8431202 (864)

Report Date: 09/29/06
Collection Date: 08/22/06 14:10
Date Received: 08/30/06
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	08/31/06 09:55 / th
Alkalinity, Total as CaCO3	200	mg/L		1		A2320 B	08/31/06 09:55 / th
Bromide	ND	mg/L		0.50		E300.0	09/01/06 05:22 / wen
Calcium	46.0	mg/L		0.5		E200.7	09/11/06 17:34 / ts
Chloride	242	mg/L		1		A4500-Cl B	08/31/06 17:03 / jl
Fluoride	1.0	mg/L		0.1		A4500-F C	08/31/06 07:22 / th
Magnesium	20.0	mg/L		0.5		E200.7	09/11/06 17:34 / ts
Nitrogen, Nitrate+Nitrite as N	5.3	mg/L	D	0.2		E353.2	08/31/06 14:50 / jal
Potassium	7.9	mg/L		0.5		E200.7	09/11/06 17:34 / ts
Silica	25.4	mg/L		0.1		E200.7	09/11/06 17:34 / ts
Sodium	202	mg/L		0.5		E200.7	09/11/06 17:34 / ts
Sulfate	50	mg/L		1		A4500-SO4 E	09/11/06 12:43 / bmm
NON-METALS							
Iodide	ND	mg/L		0.10		E300.0	09/11/06 21:49 / eli-b
METALS - DISSOLVED							
Aluminum	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Antimony	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Arsenic	4	ug/L		1		E200.8	09/05/06 14:38 / bws
Barium	93	ug/L		1		E200.8	09/05/06 14:38 / bws
Beryllium	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Boron	889	ug/L		100		E200.7	09/11/06 17:34 / ts
Cadmium	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Chromium	5	ug/L		1		E200.8	09/05/06 14:38 / bws
Cobalt	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Copper	2	ug/L		1		E200.8	09/05/06 14:38 / bws
Iron	ND	ug/L		30		E200.7	09/11/06 17:34 / ts
Lead	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Lithium	47	ug/L		1		E200.8	09/11/06 11:33 / bws
Manganese	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Molybdenum	4	ug/L		1		E200.8	09/05/06 14:38 / bws
Selenium	5	ug/L		1		E200.8	09/05/06 14:38 / bws
Strontium	860	ug/L		1		E200.8	09/05/06 14:38 / bws
Thallium	ND	ug/L		1		E200.8	09/05/06 14:38 / bws
Vanadium	55	ug/L		1		E200.8	09/05/06 14:38 / bws
Zinc	91	ug/L		1		E200.8	09/05/06 14:38 / bws
RADIONUCLIDES - DISSOLVED							
Gross Alpha	9.3	pCi/L		1.0		E900.0	09/15/06 08:57 / rs
Gross Alpha precision (±)	1	pCi/L				E900.0	09/15/06 08:57 / 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	ND	pCi/L		0.2		E903.0	09/19/06 16:38 / trs
Radium 228	ND	pCi/L		1.0		RA-05	09/14/06 16:24 / pj
Uranium 234	3.8	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 234 precision (±)	0.9	pCi/L				E907.0	09/15/06 15:00 / df
Uranium 235	ND	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 238	1.1	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 238 precision (±)	0.5	pCi/L				E907.0	09/15/06 15:00 / df
DATA QUALITY							
A/C Balance (± 5)	2.44	%		250		Calculation	09/13/06 11:25 / cp
Anions	12.3	meq/L		250		Calculation	09/13/06 11:25 / cp
Cations	12.9	meq/L		250		Calculation	09/13/06 11:25 / cp

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