



LABORATORY ANALYTICAL REPORT

Client: Texas Water Development Board
Project: TWDB
Lab ID: C06081513-001
Client Sample ID: 8411201 (859)

Report Date: 09/29/06
Collection Date: 08/21/06 11:00
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 09:47 / th
Alkalinity, Total as CaCO3	158	mg/L		1		A2320 B	08/31/06 09:47 / th
Bromide	ND	mg/L		0.50		E300.0	09/01/06 03:55 / wen
Calcium	68.6	mg/L		0.5		E200.7	09/11/06 16:56 / ts
Chloride	235	mg/L		1		A4500-Cl B	08/31/06 16:58 / jl
Fluoride	0.4	mg/L		0.1		A4500-F C	08/31/06 07:11 / th
Magnesium	22.5	mg/L		0.5		E200.7	09/11/06 16:56 / ts
Nitrogen, Nitrate+Nitrite as N	16.0	mg/L	D	0.2		E353.2	08/31/06 14:30 / jal
Potassium	23.2	mg/L		0.5		E200.7	09/11/06 16:56 / ts
Silica	59.6	mg/L		0.1		E200.7	09/11/06 16:56 / ts
Sodium	157	mg/L		0.5		E200.7	09/11/06 16:56 / ts
Sulfate	31	mg/L		1		A4500-SO4 E	09/11/06 11:50 / bmm
NON-METALS							
Iodide	ND	mg/L		0.10		E300.0	09/11/06 19:42 / eli-b
METALS - DISSOLVED							
Aluminum	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Antimony	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Arsenic	15	ug/L		1		E200.8	09/05/06 13:08 / bws
Barium	130	ug/L		1		E200.8	09/05/06 13:08 / bws
Beryllium	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Boron	430	ug/L		100		E200.7	09/11/06 16:56 / ts
Cadmium	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Chromium	8	ug/L		1		E200.8	09/05/06 13:08 / bws
Cobalt	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Copper	2	ug/L		1		E200.8	09/05/06 13:08 / bws
Iron	ND	ug/L		30		E200.7	09/11/06 16:56 / ts
Lead	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Lithium	25	ug/L		1		E200.8	09/07/06 16:29 / bws
Manganese	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Molybdenum	5	ug/L		1		E200.8	09/05/06 13:08 / bws
Selenium	6	ug/L		1		E200.8	09/05/06 13:08 / bws
Strontium	702	ug/L		1		E200.8	09/05/06 13:08 / bws
Thallium	ND	ug/L		1		E200.8	09/05/06 13:08 / bws
Vanadium	44	ug/L		1		E200.8	09/05/06 13:08 / bws
Zinc	11	ug/L		1		E200.8	09/05/06 13:08 / bws
RADIONUCLIDES - DISSOLVED							
Gross Alpha	9.1	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 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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				RL	QCL		
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		0.2		E903.0	09/19/06 15:15 / trs
Radium 228	ND	pCi/L		1.0		RA-05	09/14/06 14:49 / pj
Uranium 234	3.1	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	1.3	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)	4.54	%		250		Calculation	09/13/06 11:23 / cp
Anions	11.6	meq/L		250		Calculation	09/13/06 11:23 / cp
Cations	12.7	meq/L		250		Calculation	09/13/06 11:23 / cp

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