



LABORATORY ANALYTICAL REPORT

Client: Texas Water Development Board
Project: TWDB
Lab ID: C06081513-012
Client Sample ID: 8448301 (870)

Report Date: 09/29/06
Collection Date: 08/24/06 11:45
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	09/01/06 12:29 / th
Alkalinity, Total as CaCO3	218	mg/L		1		A2320 B	09/01/06 12:29 / th
Bromide	ND	mg/L		0.50		E300.0	09/15/06 13:59 / wen
Calcium	49.1	mg/L		0.5		E200.7	09/11/06 18:46 / ts
Chloride	170	mg/L		1		A4500-Cl B	09/02/06 05:44 / jl
Fluoride	0.6	mg/L		0.1		A4500-F C	09/01/06 07:32 / th
Magnesium	18.5	mg/L		0.5		E200.7	09/11/06 18:46 / ts
Nitrogen, Nitrate+Nitrite as N	3.2	mg/L		0.1		E353.2	09/01/06 09:35 / jal
Potassium	9.7	mg/L		0.5		E200.7	09/11/06 18:46 / ts
Silica	25.2	mg/L		0.1		E200.7	09/11/06 18:46 / ts
Sodium	214	mg/L		0.5		E200.7	09/11/06 18:46 / ts
Sulfate	139	mg/L	D	3		A4500-SO4 E	09/11/06 12:57 / bmm
NON-METALS							
Iodide	ND	mg/L	H	0.10		E300.0	09/22/06 14:43 / eli-b
METALS - DISSOLVED							
Aluminum	ND	ug/L		1		E200.8	09/05/06 17:24 / bws
Antimony	ND	ug/L		1		E200.8	09/05/06 17:24 / bws
Arsenic	1	ug/L		1		E200.8	09/05/06 17:24 / bws
Barium	39	ug/L		1		E200.8	09/05/06 17:24 / bws
Beryllium	ND	ug/L		1		E200.8	09/05/06 17:24 / bws
Boron	841	ug/L		100		E200.7	09/11/06 18:46 / ts
Cadmium	ND	ug/L		1		E200.8	09/05/06 17:24 / bws
Chromium	1	ug/L		1		E200.8	09/05/06 17:24 / bws
Cobalt	ND	ug/L		1		E200.8	09/05/06 17:24 / bws
Copper	2	ug/L		1		E200.8	09/05/06 17:24 / bws
Iron	ND	ug/L		30		E200.7	09/11/06 18:46 / ts
Lead	ND	ug/L		1		E200.8	09/05/06 17:24 / bws
Lithium	40	ug/L		1		E200.8	09/07/06 18:14 / bws
Manganese	8	ug/L		1		E200.8	09/05/06 17:24 / bws
Molybdenum	4	ug/L		1		E200.8	09/05/06 17:24 / bws
Selenium	6	ug/L		1		E200.8	09/05/06 17:24 / bws
Strontium	1530	ug/L		1		E200.8	09/05/06 17:24 / bws
Thallium	ND	ug/L		1		E200.8	09/05/06 17:24 / bws
Vanadium	10	ug/L		1		E200.8	09/05/06 17:24 / bws
Zinc	177	ug/L		1		E200.8	09/05/06 17:24 / bws
RADIONUCLIDES - DISSOLVED							
Gross Alpha	17.8	pCi/L		1.0		E900.0	09/15/06 08:57 / rs
Gross Alpha precision (±)	1.1	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.
 H - Analysis performed past recommended holding time.



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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	2.3	pCi/L		1.0		RA-05	09/14/06 16:24 / pj
Radium 228 precision (±)	0.8	pCi/L				RA-05	09/14/06 16:24 / pj
Uranium 234	10.1	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 234 precision (±)	1.6	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	1.5	pCi/L		0.2		E907.0	09/15/06 15:00 / df
Uranium 238 precision (±)	0.6	pCi/L				E907.0	09/15/06 15:00 / df
DATA QUALITY							
A/C Balance (± 5)	4.66	%		250		Calculation	09/13/06 11:27 / cp
Anions	12.3	meq/L		250		Calculation	09/13/06 11:27 / cp
Cations	13.5	meq/L		250		Calculation	09/13/06 11:27 / cp

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