



LABORATORY ANALYTICAL REPORT

Client: Texas Water Development Board
Project: TWDB
Lab ID: C06081513-009
Client Sample ID: 8351902 (867)

Report Date: 09/29/06
Collection Date: 08/23/06 14:25
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 08:14 / th
Alkalinity, Total as CaCO3	183	mg/L		1		A2320 B	09/01/06 08:14 / th
Bromide	ND	mg/L		0.50		E300.0	09/15/06 13:27 / wen
Calcium	17.8	mg/L		0.5		E200.7	09/11/06 18:00 / ts
Chloride	318	mg/L		1		A4500-Cl B	09/02/06 05:41 / jl
Fluoride	0.6	mg/L		0.1		A4500-F C	09/01/06 07:27 / th
Magnesium	4.3	mg/L		0.5		E200.7	09/11/06 18:00 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	09/01/06 09:28 / jal
Potassium	4.9	mg/L		0.5		E200.7	09/11/06 18:00 / ts
Silica	16.1	mg/L		0.1		E200.7	09/11/06 18:00 / ts
Sodium	394	mg/L		0.5		E200.7	09/11/06 18:00 / ts
Sulfate	242	mg/L	D	6		A4500-SO4 E	09/11/06 12:53 / bmm
NON-METALS							
Iodide	ND	mg/L		0.10		E300.0	09/11/06 23:20 / eli-b
METALS - DISSOLVED							
Aluminum	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Antimony	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Arsenic	6	ug/L		1		E200.8	09/05/06 16:39 / bws
Barium	28	ug/L		1		E200.8	09/05/06 16:39 / bws
Beryllium	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Boron	1210	ug/L		100		E200.7	09/11/06 18:00 / ts
Cadmium	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Chromium	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Cobalt	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Copper	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Iron	ND	ug/L		30		E200.7	09/11/06 18:00 / ts
Lead	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Lithium	73	ug/L		1		E200.8	09/11/06 11:44 / bws
Manganese	2	ug/L		1		E200.8	09/05/06 16:39 / bws
Molybdenum	20	ug/L		1		E200.8	09/05/06 16:39 / bws
Selenium	2	ug/L		1		E200.8	09/05/06 16:39 / bws
Strontium	1340	ug/L		1		E200.8	09/05/06 16:39 / bws
Thallium	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Vanadium	ND	ug/L		1		E200.8	09/05/06 16:39 / bws
Zinc	28	ug/L		1		E200.8	09/05/06 16:39 / bws
RADIONUCLIDES - DISSOLVED							
Gross Alpha	5.4	pCi/L		1.0		E900.0	09/15/06 08:57 / rs
Gross Alpha precision (±)	1.4	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	0.4	pCi/L		0.2		E903.0	09/19/06 16:38 / trs
Radium 226 precision (±)	0.3	pCi/L				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	ND	pCi/L		0.2		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	ND	pCi/L		0.2		E907.0	09/15/06 15:00 / df
DATA QUALITY							
A/C Balance (± 5)	2.23	%		250		Calculation	09/13/06 11:26 / cp
Anions	17.7	meq/L		250		Calculation	09/13/06 11:26 / cp
Cations	18.5	meq/L		250		Calculation	09/13/06 11:26 / cp

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MCL - Maximum contaminant level.
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