

Table 4
 Detected Analytes in Groundwater, CSSA
 September 2001 Groundwater Monitoring Event

	Sample ID			CS-1				CS-10				CS-16				CS-2				CS-9				
	Sample Date			09/17/01				09/17/01				09/13/01				09/13/01				09/17/01				
	Sample Type			N				N				N				N				N				
	Lab ID			AP22229				AP22231				AP22210				AP22213				AP22230				
	Water Comparison Criteria			Results				Results				Results				Results				Results				
	Lab MDL	Lab RL	MCL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	
SW6010B (mg/L)																								
Barium	0.0003	0.005	2	0.0352	J	1	0.005	0.0373	J	1	0.005	0.0329	J	1	0.005	0.0352	J	1	0.005	0.0356	J	1	0.005	
Calcium	0.02	1.1	*	69.05		1	1.1	87.05		1	1.1	78.89		1	1.1	96.96		1	1.1	78.81		1	1.1	
Chromium	0.001	0.01	0.1	0.001	U	1	0.01	0.001	U	1	0.01	0.002	F	1	0.01	0.004	F	1	0.01	0.001	U	1	0.01	
Copper	0.003	0.01	1.3	0.006	F	1	0.01	0.006	F	1	0.01	0.003	U	1	0.01	0.003	U	1	0.01	0.009	F	1	0.01	
Iron	0.010	0.20	0.3	0.233		1	0.2	0.01	U	1	0.2	0.01	U	1	0.2	0.328	1	0.2		0.01	U	1	0.2	
Magnesium	0.005	0.1	*	26.25		1	0.1	23.489		1	0.1	23.419		1	0.1	14.765		1	0.1	23.74		1	0.1	
Manganese	0.0003	0.005	0.05	0.004	F	1	0.005	0.0089		1	0.005	0.002	F	1	0.005	0.0155		1	0.005	0.0005	F	1	0.005	
Nickel	0.001	0.01	0.1	0.002	F	1	0.01	0.009	F	1	0.01	0.001	U	1	0.01	0.006	F	1	0.01	0.003	F	0.001	0.01	
Potassium	0.020	1.0	*	1.81		1	1.0	4.6		1	1.0	1.28		1	1.0	1.48		1	1.0	1.39		1	1.0	
Sodium	0.02	1.0	*	8.55		1	1.0	9.75		1	1.0	7.06		1	1.0	12.79		1	1.0	8.98		1	1.0	
Zinc	0.008	0.05	11	0.521		1	0.05	0.048	F	1	0.05	0.174		1	0.05	0.013	F	1	0.05	0.138		1	0.05	
SW7060A (mg/L)																								
Arsenic	0.0008	0.005	0.05	0.0009	F	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	
SW7131A (mg/L)																								
Cadmium	0.0001	0.001	0.003	0.0001	U	1	0.001	0.0002	F	1	0.001	0.0001	U	1	0.001	0.0001	U	1	0.001	0.0003	F	1	0.001	
SW7421 (mg/L)																								
Lead	0.0008	0.005	0.015	0.0082		1	0.005	0.0032	F	1	0.005	0.0019	F	1	0.005	0.0012	F	1	0.005	0.005		1	0.005	
SW7470A (mg/L)																								
Mercury	0.0001	0.001	0.002	0.0002	F		0.001	0.0002	F		0.001	0.0001	U	1	0.001	0.0001	U	1	0.001	0.0002	F	1	0.001	
SW8260 (ug/L)																								
Chloroform	0.06	0.3	100	0.06	U	1	0.3	0.29	F	1	0.3	0.15	F	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	
Dichloroethene, cis-1,2-	0.11	1.2	70	0.11	U	1	1.2	0.11	U	1	1.2	150.0	10	12.0		0.11	U	1	1.2	0.11	U	1	1.2	
Dichloroethene, trans-1,2-	0.14	0.6	100	0.14	U	1	0.6	0.14	U	1	0.6	1.5		1	0.6	0.14	U	1	0.6	0.14	U	1	0.6	
Tetrachloroethene	0.11	1.4	5	0.14	F	1	1.4	0.11	U	1	1.4	140.0	10	14.0		0.22	F	1	1.4	0.11	U	1	1.4	
Trichloroethene	0.14	1	5	0.29	F	1	1.0	0.14	U	1	1.0	170.0	10	10.0		0.14	U	1	1.0	0.14	U	1	1.0	
SW9056																								
Chloride	0.08	1.0	250																					
Fluoride	0.10	1.0	2																					
Nitrate	0.03	1.0	10																					
Nitrite	0.04	1.0	1																					
Sulfate	0.26	1.0	250																					

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix A
 All samples were analyzed by APPL Inc.
 Referenced laboratory package number: APPL Inc.: 36397

Abbreviations/Notes:

- Bolded and shaded samples indicate results greater than MCL standards
- No risk reduction standard or background level available
- DL Dilution
- FD Field Duplicate
- MDL Method Detection Limit
- N1 Environmental Sample
- RL Reporting Limit
- SQL Sample Quantitation Limit
- MCL Maximum Contamination Level
- * Secondary MCL
- ** Maximum Contaminant Level Goal

Data Qualifiers:

- F- The analyte was positively identified but the associated numerical value is below the RL
- J- The analyte was positively identified, the quantitation is an estimation.
- U- The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
- R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.
- M- Matrix Effect Present

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 September 2001 Groundwater Monitoring Event

	Sample ID			CS-D			CS-G			CS-H			CS-I			CS-MW1-LGR			CS-MW2-LGR			CS-MW3-LGR									
	Sample Date			09/13/01			09/12/01			09/12/01			09/12/01			09/13/01			09/13/01			09/12/01									
	Sample Type			N			N			N			N			N			N			N									
Lab ID			AP22209			AP22201			AP22202			AP22206			AP22212			AP22211			AP22207										
Water Comparison Criteria				Results			Flags			Dilution			SQL			Results			Flags			Dilution			SQL						
Lab MDL	Lab RL	MCL																													
SW6010B (mg/L)																															
Barium	0.0003	0.005	2	0.0303	J	1	0.005	0.0252	J	1	0.005	0.0317	J	1	0.005	0.1028	J	1	0.005	0.033	J	1	0.005	0.0346	J	1	0.005	0.0286	J	1	0.005
Calcium	0.02	1.1	*	80.05		1	1.1	90.3		1	1.1	44.18		1	1.1	72.74		1	1.1	73.81		1	1.1	79.63		1	1.1	61.81		1	1.1
Chromium	0.001	0.01	0.1	0.001	U	1	0.01	0.002	F	1	0.01	0.002	F	1	0.01	0.001	U	1	0.01	0.001	U	1	0.01	0.001	U	1	0.01	0.001	U	1	0.01
Copper	0.003	0.01	1.3	0.003	U	1	0.01	0.02		1	0.01	0.028		1	0.01	0.008	F	1	0.01	0.003	U	1	0.01	0.003	U	1	0.01	0.003	U	1	0.01
Iron	0.010	0.20	0.3	0.05	F	1	0.2	6.219		1	0.2	17.084		1	0.2	4.509		1	0.2	2.135		1	0.2	0.01	U	1	0.2	28.227		1	0.2
Magnesium	0.005	0.1	*	22.712		1	0.1	13.202		1	0.1	10.785		1	0.1	32.578		1	0.1	27.003		1	0.1	29.516		1	0.1	0.007	F	1	0.1
Manganese	0.0003	0.005	0.05	0.0022	F	1	0.005	0.0568		1	0.005	0.0169		1	0.005	0.0812		1	0.005	0.0197		1	0.005	0.0008	F	1	0.005	0.0071		1	0.005
Nickel	0.001	0.01	0.1	0.001	U	1	0.01	0.001	U	1	0.01	0.001	U	1	0.01	0.003	F	1	0.01	0.002	F	1	0.01	0.027		1	0.01	0.004	F	1	0.01
Potassium	0.020	1.0	*	1.37		1	1.0	1.07		1	1.0	1.85		1	1.0	2.11		1	1.0	1.2		1	1.0	2.0		1	1.0	1.77		1	1.0
Sodium	0.02	1.0	*	7.14		1	1.0	7.67		1	1.0	9.12		1	1.0	7.13		1	1.0	6.66		1	1.0	7.68		1	1.0	6.67		1	1.0
Zinc	0.008	0.05	11	0.021	F	1	0.05	0.261		1	0.05	0.813		1	0.05	2.921		5	0.25	0.012	F	1	0.05	0.012	F	1	0.05	0.055		1	0.05
SW7060A (mg/L)																															
Arsenic	0.0008	0.005	0.05	0.0008	U	1	0.005	0.0009	F	1	0.005	0.0012	F	1	0.005	0.0008	U	1	0.005	0.0015	F	1	0.005	0.0008	U	1	0.005	0.0021	F	1	0.005
SW7131A (mg/L)																															
Cadmium	0.0001	0.001	0.003	0.0001	U	1	0.001	0.0003	F	1	0.001	0.001		1	0.001	0.0001	U	1	0.001	0.0001	U	1	0.001	0.0001	U	1	0.001	0.0001	U	1	0.001
SW7421 (mg/L)																															
Lead	0.0008	0.005	0.015	0.002	F	1	0.005	0.0369		1	0.005	0.047		1	0.005	0.0193		1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	0.002	F	1	0.005
SW7470A (mg/L)																															
Mercury	0.0001	0.001	0.002	0.0001	U	1	0.001	0.0001	U	1	0.001	0.0001	U	1	0.001	0.0002	F	1	0.001	0.0001	U	1	0.001	0.0001	U	1	0.001	0.0001	U	1	0.001
SW8260 (ug/L)																															
Chloroform	0.06	0.3	100	0.15	F	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3
Dichloroethene, cis-1,2-	0.11	1.2	70	140.0		10	12.0	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	29.0		1	1.2	4.6		1	1.2	0.11	U	1	1.2
Dichloroethene, trans-1,2-	0.14	0.6	100	0.61		1	0.6	0.14	U	1	0.6	0.14	U	1	0.6	0.14	U	1	0.6	0.26	F	1	0.6	0.19	F	1	0.6	0.14	U	1	0.6
Tetrachloroethene	0.11	1.4	5	120.0		10	14.0	0.11	U	1	1.4	0.11	U	1	1.4	0.11	U	1	1.4	24.0		1	1.4	13.0		1	1.4	0.11	U	1	1.4
Trichloroethene	0.14	1	5	170.0		10	10.0	0.14	U	1	1.0	0.14	U	1	1.0	0.14	U	1	1.0	30.0		1	1.0	9.4		1	1.0	0.14	U	1	1.0
SW9056																															
Chloride	0.08	1.0	250																												
Fluoride	0.10	1.0	2																												
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 September 2001 Groundwater Monitoring Event

	Sample ID			CS-MW7-CC				CS-MW7-LGR				CS-MW7-LGR				CS-MW7-LGR				CS-MW8-CC				CS-MW8-LGR				CS-MW8-LGR			
	Sample Date			09/17/01				09/13/01				09/13/01				09/17/01				09/13/01				09/13/01				09/13/01			
	Sample Type			N				FD				N				N				N				FD				N			
Lab ID	Water Comparison Criteria																														
	Lab MDL	Lab RL	MCL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/L)																															
Barium	0.0003	0.005	2	0.0332 J		1	0.005	0.0381 J		1	0.005	0.0375 J		1	0.005	0.0368 J		1	0.005	0.0376 J		1	0.005	0.0389 J		1	0.005	0.0378 J		1	0.005
Calcium	0.02	1.1	*	65.04		1	1.1	66.4		1	1.1	93.14 M		1	1.1	86.38		1	1.1	57.66		1	1.1	88.29		1	1.1	91.03 M		1	1.1
Chromium	0.001	0.01	0.1	0.001 U		1	0.01	0.001 U		1	0.01	0.001 U		1	0.01	0.002 F		1	0.01	0.001 U		1	0.01	0.001 U		1	0.01	0.001 U		1	0.01
Copper	0.003	0.01	1.3	0.003 U		1	0.01	0.009 F		1	0.01	0.003 U		1	0.01	0.004 F		1	0.01	0.006 F		1	0.01	0.003 U		1	0.01	0.003 U		1	0.01
Iron	0.010	0.20	0.3	0.11 F		1	0.2	0.308		1	0.2	0.01 U		1	0.2	0.01 U		1	0.2	0.209		1	0.2	0.01 U		1	0.2	0.072 F		1	0.2
Magnesium	0.005	0.1	*	50.738		1	0.1	30.817		1	0.1	24.812		1	0.1	24.078		1	0.1	52.259		1	0.1	24.539		1	0.1	23.997		1	0.1
Manganese	0.0003	0.005	0.05	0.0128		1	0.005	0.0074		1	0.005	0.0089		1	0.005	0.0111		1	0.005	0.0352		1	0.005	0.006		1	0.005	0.0062		1	0.005
Nickel	0.001	0.01	0.1	0.01		1	0.01	0.002 F		1	0.01	0.007 F		1	0.01	0.01		1	0.01	0.008 F		1	0.01	0.004 F		1	0.01	0.003 F		1	0.01
Potassium	0.020	1.0	*	7.53		1	1.0	1.64		1	1.0	4.78 M		1	1.0	7.57		1	1.0	10.71		1	1.0	5.43		1	1.0	5.17 M		1	1.0
Sodium	0.02	1.0	*	31.05		1	1.0	8.04		1	1.0	10.16		1	1.0	10.58		1	1.0	32.62		1	1.0	10.31		1	1.0	9.81		1	1.0
Zinc	0.008	0.05	11	0.025 F		1	0.05	0.039 F		1	0.05	0.054		1	0.05	0.049 F		1	0.05	0.023 F		1	0.05	0.087		1	0.05	0.088		1	0.05
SW7060A (mg/L)																															
Arsenic	0.0008	0.005	0.05					0.0008 U		1	0.005	0.0008 U		1	0.005					0.0072		1	0.005	0.0011 F		1	0.005	0.0008 U		1	0.005
SW7131A (mg/L)																															
Cadmium	0.0001	0.001	0.003					0.0001 U		1	0.001	0.0001 U		1	0.001					0.0001 U		1	0.001	0.0001 U		1	0.001	0.0001 U		1	0.001
SW7421 (mg/L)																															
Lead	0.0008	0.005	0.015					0.0008 U		1	0.005	0.0008 M		1	0.005					0.0008 U		1	0.005	0.0012 F		1	0.005	0.0013 M		1	0.005
SW7470A (mg/L)																															
Mercury	0.0001	0.001	0.002					0.0001 U		1	0.001	0.0001 U		1	0.001					0.0001 U		1	0.001	0.0002 F		1	0.001	0.0001 U		1	0.001
SW8260 (ug/L)																															
Chloroform	0.06	0.3	100					0.06 U		1	0.3	0.06 U		1	0.3					0.06 U		1	0.3	0.06 U		1	0.3	0.06 U		1	0.3
Dichloroethene, cis-1,2-	0.11	1.2	70					0.11 U		1	1.2	0.11 U		1	1.2					0.11 U		1	1.2	0.11 U		1	1.2	0.11 U		1	1.2
Dichloroethene, trans-1,2-	0.14	0.6	100					0.14 U		1	0.6	0.14 U		1	0.6					0.14 U		1	0.6	0.14 U		1	0.6	0.14 U		1	0.6
Tetrachloroethene	0.11	1.4	5					0.11 U		1	1.4	0.11 U		1	1.4					0.11 U		1	1.4	0.64 F		1	1.4	0.6 F		1	1.4
Trichloroethene	0.14	1	5					0.14 U		1	1.0	0.14 U		1	1.0					0.14 U		1	1.0	0.14 U		1	1.0	0.14 U		1	1.0
SW9056																															
Chloride	0.08	1.0	250	29.78		1	1.0									13.77		1	1.0												
Fluoride	0.10	1.0	2	1.29		1	1.0									0.1 U		1	1.0												
Nitrate	0.03	1.0	10	0.03 U		1	1.0									6.33		1	1.0												
Nitrite	0.04	1.0	1	0.04 U		1	1.0									0.3 F		1	1.0												
Sulfate	0.26	1.0	250	123.76		5	5.0									10.81		1	1.0												

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 September 2001 Groundwater Monitoring Event

	Sample ID			CS-MW9-BS				CS-MW9-CC				CS-MW9-LGR			
	Sample Date			09/12/01				09/12/01				09/12/01			
	Sample Type			N				N				N			
	Lab ID			AP22204				AP22205				AP22203			
Water Comparison Criteria															
	Lab MDL	Lab RL	MCL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/L)															
Barium	0.003	0.005	2	0.025 J	1	0.005	0.0193 J	1	0.005	0.0419 J	1	0.005			
Calcium	0.02	1.1	*	12.38	1	1.1	56.79	1	1.1	97.3	1	1.1			
Chromium	0.001	0.01	0.1	0.001 U	1	0.01	0.001 U	1	0.01	0.003 F	1	0.01			
Copper	0.003	0.01	1.3	0.003 U	1	0.01	0.003 U	1	0.01	0.003 U	1	0.01			
Iron	0.010	0.20	0.3	0.01 U	1	0.2	0.01 U	1	0.2	0.02 F	1	0.2			
Magnesium	0.005	0.1	*	22.05	1	0.1	43.794	1	0.1	11.673	1	0.1			
Manganese	0.0003	0.005	0.05	0.0025 F	1	0.005	0.0065	1	0.005	0.0062	1	0.005			
Nickel	0.001	0.01	0.1	0.001 U	1	0.01	0.003 F	1	0.01	0.01	1	0.01			
Potassium	0.020	1.0	*	36.68	1	1.0	8.01	1	1.0	3.88	1	1.0			
Sodium	0.02	1.0	*	43.15	1	1.0	25.15	1	1.0	10.08	1	1.0			
Zinc	0.008	0.05	11	0.016 F	1	0.05	0.036 F	1	0.05	0.017 F	1	0.05			
SW7060A (mg/L)															
Arsenic	0.0008	0.005	0.05	0.001 F	1	0.005	0.0008 U	1	0.005	0.0008 U	1	0.005			
SW7131A (mg/L)															
Cadmium	0.0001	0.001	0.003	0.0001 U	1	0.001	0.0001 U	1	0.001	0.0001 U	1	0.001			
SW7421 (mg/L)															
Lead	0.0008	0.005	0.015	0.0024 F	1	0.005	0.0008 U	1	0.005	0.0009 F	1	0.005			
SW7470A (mg/L)															
Mercury	0.0001	0.001	0.002	0.0002 F	1	0.001	0.0001 U	1	0.001	0.0001 U	1	0.001			
SW8260 (ug/L)															
Chloroform	0.06	0.3	100	0.06 U	1	0.3	0.06 U	1	0.3	0.06 U	1	0.3			
Dichloroethene, cis-1,2-	0.11	1.2	70	0.11 U	1	1.2	0.11 U	1	1.2	0.11 U	1	1.2			
Dichloroethene, trans-1,2-	0.14	0.6	100	0.14 U	1	0.6	0.14 U	1	0.6	0.14 U	1	0.6			
Tetrachloroethene	0.11	1.4	5	0.11 U	1	1.4	0.11 U	1	1.4	0.11 U	1	1.4			
Trichloroethene	0.14	1	5	0.14 U	1	1.0	0.14 U	1	1.0	0.14 U	1	1.0			
SW9056															
Chloride	0.08	1.0	250												
Fluoride	0.10	1.0	2												
Nitrate	0.03	1.0	10												
Nitrite	0.04	1.0	1												
Sulfate	0.26	1.0	250												

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix A

All samples were analyzed by APPL Inc.

Referenced laboratory package number: APPL Inc.:36397

Abbreviations/Notes:

Bolded and shaded samples indicate results greater than MCL standards

-- No risk reduction standard or background level available

DL Dilution

FD Field Duplicate

MDL Method Detection Limit

N1 Environmental Sample

RL Reporting Limit

SQL Sample Quantitation Limit

MCL Maximum Contamination Level

* Secondary MCL

** Maximum Contaminant Level Goal

Data Qualifiers:

F- The analyte was positively identified but the associated numerical value is below the

RL

J- The analyte was positively identified, the quantitation is an estimation.

U - The analyte was analyzed for, but not detected. The associated numerical value is at

or below the MDL.

R- The data are unusable due to deficiencies in the ability to analyze the sample and meet

QC criteria.

M- Matrix Effect Present