

Table AOC42-1
Summary of Chemical Constituents Detected in Surface Soils, March 2001
Area of Concern 42

	Sample ID					AOC42-SS01				AOC42-SS02				AOC42-SS03				AOC42-SS04			
	Sample Date					03/16/01				03/16/01				03/16/01				03/16/01			
	Sample Type					N1				N1				N1				N1			
Soil Type					Soil (Tf)				Soil (Tf)				Soil (Tf)				Soil (Tf)				
Beginning Depth					0.5				0.5				0.5				0.5				
Ending Depth					1.				1.				1.				1.				
Lab ID					S2399				S2398				S2395				S2396				
Soil Comparison Criteria																					
Lab		Lab	Background ^a	RRS2-GWP																	
MDL	RL	Soil	(Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL													
SW6010B (mg/kg)																					
Barium	0.04	1.0	186	200	59000	85.3		1	1.0	87.0		1	1.0	44.4		1	1.0	70.6		1	1.0
Chromium	0.06	20.	40.2	10	350000	13.2	F	1	20	10.6	F	1	20	11.0	F	1	20	16.2	F	1	20
Copper	0.08	2.0	23.2	130	74000	8.3		1	2.0	7.3		1	2.0	7.1		1	2.0	10.5		1	2.0
Nickel	0.118	2.0	35.5	200	12000	9.21		1	2.0	14.55		1	2.0	8.46		1	2.0	11.94		1	2.0
Zinc	0.31	2.0	73.2	3100	41000	35.2		1	2.0	26.7		1	2.0	25.8		1	2.0	41.2		1	2.0
SW7060A (mg/kg)																					
Arsenic	0.047	0.5	19.6	5	200	3.82		1	0.5	2.70		1	0.5	3.26		1	0.5	3.68		2	1
SW7131A (mg/kg)																					
Cadmium	0.0104	0.1	3	0.5	410	0.465	M	1	0.1	0.338	M	1	0.1	0.244	M	1	0.1	0.479	M	1	0.1
SW7421 (mg/kg)																					
Lead	0.0264	0.5	84.5	1.5	1000	13.24	M	10	5	8.69	M	5	2.5	9.97	M	5	2.5	13.25	M	10	5
SW7471A (mg/kg)																					
Mercury	0.0217	0.1	0.77	0.2	9.6	1.084	M	1	0.1	0.309	M	1	0.1	0.104	M	1	0.1	0.499	M	1	0.1

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 O'Brien and Datachem Laboratories. Referenced laboratory package numbers: O'Brien and Gere: 8405, 8440, 8468, 8512; Datachem: 01C-0048-02. All MS/MSD results are presented in the Data Verification Report, Appendix C.

Abbreviations/Notes:

- Highlighted and bolded sample concentrations exceed RRS1 (background) standards
- Boxed samples indicate results greater than RRS2 standards. Although CSSA plans to pursue RRS1 closure, RRS2 criteria are included in the table to provide a frame of reference for RRS1 exceedances.
- a Background values from Revised Background Report, (Parsons, February 2002)
- No risk reduction standard or background level available
- DL Dilution
- FD1 Field Duplicate
- GWP-Ind Soil MSC based on groundwater protection
- Tf Trinity & Frio
- MDL Method Detection Limit
- N1 Environmental Sample
- NA Not Available
- RL Reporting Limit
- SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact
- SQL Sample Quantitation Limit

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.
- M- A matrix effect was present.
- U- The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

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Area of Concern 42

	Sample ID					AOC42-SS04				AOC42-SS05				AOC42-SS06				AOC42-SS07			
	Sample Date					03/16/01				03/16/01				03/16/01				03/16/01			
	Sample Type					FD1				N1				N1				N1			
Soil Type					Soil (Tf)				Soil (Tf)				Soil (Tf)				Soil (Tf)				
Beginning Depth					0.5				0.5				0.5				0.5				
Ending Depth					1.				1.				1.				1.				
Lab ID					S2397				S2400				S2393				S2392				
Soil Comparison Criteria																					
Lab		Lab	Background ^a	RRS2-GWP																	
MDL	RL	Soil	(Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	
SW6010B (mg/kg)																					
Barium	0.04	1.0	186	200	59000	75.3		1	1.0	109.1		1	1.0	58.6		1	1.0	43.8		1	1.0
Chromium	0.06	20.	40.2	10	350000	16.6	F	1	20	17.6	F	1	20	14.7	F	1	20	10.9	F	1	20
Copper	0.08	2.0	23.2	130	74000	10.5		1	2.0	14.3		1	2.0	9.6		1	2.0	7.5		1	2.0
Nickel	0.118	2.0	35.5	200	12000	12.34		1	2.0	12.76		1	2.0	11.06		1	2.0	7.98		1	2.0
Zinc	0.31	2.0	73.2	3100	41000	38.8		1	2.0	52.1		1	2.0	33.3		1	2.0	28.4		1	2.0
SW7060A (mg/kg)																					
Arsenic	0.047	0.5	19.6	5	200	4.10		1	0.5	3.18		1	0.5	4.19		1	0.5	3.13		1	0.5
SW7131A (mg/kg)																					
Cadmium	0.0104	0.1	3	0.5	410	0.549	M	1	0.1	0.429	M	1	0.1	0.444	M	1	0.1	0.335	M	1	0.1
SW7421 (mg/kg)																					
Lead	0.0264	0.5	84.5	1.5	1000	13.9	M	10	5	28.21	M	10	5	14.00	M	5	2.5	19.88	M	10	5
SW7471A (mg/kg)																					
Mercury	0.0217	0.1	0.77	0.2	9.6	0.84	M	1	0.1	0.423	M	1	0.1	2.659	M	4	0.4	0.235	M	1	0.1

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 O'Brien and Datachem Laboratories. Referenced laboratory package numbers: O'Brien and Gere: 8405, 8440, 8468, 8512; Datachem: 01C-0048-02. All MS/MSD results are presented in the Data Verification Report, Appendix C.

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Area of Concern 42

	Sample ID		AOC42-SS08				AOC42-SS09						
	Sample Date		03/16/01				03/16/01						
	Sample Type		N1				N1						
Soil Type		Soil (Tf)				Soil (Tf)							
Beginning Depth		0.5				0.5							
Ending Depth		1.				1.							
Lab ID		S2394				S2401							
Soil Comparison Criteria													
	Lab MDL	Lab RL	Background ^a Soil	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/kg)													
Barium	0.04	1.0	186	200	59000	56.1		1	1.0	61.7		1	1.0
Chromium	0.06	20.	40.2	10	350000	12.9	F	1	20	10.5	F	1	20
Copper	0.08	2.0	23.2	130	74000	6.3		1	2.0	25.4		1	2.0
Nickel	0.118	2.0	35.5	200	12000	9.73		1	2.0	11.08		1	2.0
Zinc	0.31	2.0	73.2	3100	41000	27.9		1	2.0	51.4		1	2.0
SW7060A (mg/kg)													
Arsenic	0.047	0.5	19.6	5	200	3.07		1	0.5	2.50		1	0.5
SW7131A (mg/kg)													
Cadmium	0.0104	0.1	3	0.5	410	0.247	M	1	0.1	0.291	M	1	0.1
SW7421 (mg/kg)													
Lead	0.0264	0.5	84.5	1.5	1000	7.90	M	5	2.5	57.72	M	20	10
SW7471A (mg/kg)													
Mercury	0.0217	0.1	0.77	0.2	9.6	1.101	M	1	0.1	0.084	M	1	0.1

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N1 Environmental Sample

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