

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		Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
	MDL	RL	Soil	(Ind.)	RRS2-SAI (Ind.)																
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		Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
	MDL	RL	Soil	(Ind.)	RRS2-SAI (Ind.)																
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
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a Background values from Revised Background Report, (Parsons, February 2002)
-- No risk reduction standard or background level available
DL Dilution
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MDL Method Detection Limit
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NA Not Available
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SQL Sample Quantitation Limit

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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	Lab	Background ^a	RRS2-GWP			Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
MDL	RL	Soil	(Ind.)	RRS2-SAI (Ind.)									
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