

**Table AOC56-1**  
**Summary of Chemical Constituents Detected in Soil, January and February 2002**  
**Area of Concern 56**

	Soil Comparison Criteria					AOC56-SS01				AOC56-SS01				AOC56-SS02				AOC56-SS02				AOC56-SS03				AOC56-SS03							
	Lab MDL	Lab RL	Background <sup>a</sup> Soil	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL				
						AOC56-SS01				AOC56-SS01				AOC56-SS02				AOC56-SS02				AOC56-SS03				AOC56-SS03							
<b>Sample ID</b>						AOC56-SS01				AOC56-SS01				AOC56-SS02				AOC56-SS02				AOC56-SS03				AOC56-SS03							
<b>Sample Date</b>						01/14/00				02/11/00				01/14/00				02/11/00				01/14/00				02/11/00							
<b>Sample Type</b>						N1				N1				N1				N1				N1				N1							
<b>Soil Type</b>						Soil (TaC)				Soil (TaC)				Soil (TaC)				Soil (TaC)				Soil (TaC)				Soil (TaC)							
<b>Beginning Depth</b>						0.				0.				0.				0.				0.				0.							
<b>Ending Depth</b>						0.5				0.5				0.5				0.5				0.5				0.5							
<b>Lab ID</b>						AP87743				AP88785				AP87744				AP88786				AP87745				AP88787							
	Soil Comparison Criteria					AOC56-SS01				AOC56-SS01				AOC56-SS02				AOC56-SS02				AOC56-SS03				AOC56-SS03							
	Lab MDL	Lab RL	Background <sup>a</sup> Soil	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL				
<b>SW6010B (mg/kg)</b>																																	
Barium	0.08	1	186	200.00	59000	56.45	J	1	1					84.35	J	1	1					48.72	J	1	1								
Chromium	0.10	20	40.2	10.00	350000	11.6	F	1	20					23.9	J	1	20					13.3	F	1	20								
Copper	0.19	2	23.2	130.00	74000	14.61	J	1	2					13.3	J	1	2					7.7	J	1	2								
Nickel	0.12	2	35.5	200.00	12000	5.93	M	1	2					15.23	M	1	2					8.2	M	1	2								
Zinc	0.63	5	73.2	3100.00	41000	<b>97.75</b>	<b>M</b>	<b>1</b>	<b>5</b>					48.24	M	1	5					40.51	M	1	5								
<b>SW7060A (mg/kg)</b>																																	
Arsenic	0.04	0.50	19.6	5.00	200.00	7.28	M	1	0.50					3.71	M	1	0.50					2.62	M	1	0.50								
<b>SW7131A (mg/kg)</b>																																	
Cadmium	0.01	0.10	3.00	0.50	410	0.60	J	2	0.20					0.30	J	1	0.10					0.28	J	1	0.10								
<b>SW7421 (mg/kg)</b>																																	
Lead	0.13	0.50	84.5	1.50	1000	<b>88.32</b>	<b>M</b>	<b>12.5</b>	<b>6.25</b>					19.89	M	2.5	1.25					19.74	M	2	1.00								
<b>SW7471A (mg/kg)</b>																																	
Mercury	0.01	0.10	0.77	0.20	10	0.02	M	1	0.10					0.02	M	1	0.10					0.06	M	1	0.10								
<b>SW8260B (mg/kg)</b>																																	
Chloroform	0.0003	0.002	--	10	0.51					0.0005	F	1	0.002					0.0006	F	1	0.002									0.0003	U	1	0.002
Toluene	0.0003	0.005	--	100	2400					0.0003	M	1	0.005					0.0006	M	1	0.005									0.0016	M	1	0.005
<b>SW8270C (mg/kg)</b>																																	
Benzo(a)anthracene	0.04	0.70	--	0.039	3.4	0.12	F	1	0.70					0.06	F	1	0.70					0.07	F	1	0.70								
Benzo(a)pyrene	0.05	0.70	--	0.02	0.34	0.15	F	1	0.70					0.07	F	1	0.70					0.08	F	1	0.70								
Benzo(b)fluoranthene	0.06	0.70	--	0.039	3.4	0.18	F	1	0.70					0.10	F	1	0.70					0.11	F	1	0.70								
Benzo(g,h,i)perylene	0.04	0.70	--	310	27000	0.05	F	1	0.70					0.06	F	1	0.70					0.06	F	1	0.70								
Bis(2-ethylhexyl)phthalate	0.03	0.70	--	0.6	65	0.06	F	1	0.70					0.06	F	1	0.70					0.08	F	1	0.70								
Chrysene	0.04	0.70	--	3.9	340	0.15	F	1	0.70					0.07	F	1	0.70					0.08	F	1	0.70								
Fluoranthene	0.04	0.70	--	410	36000	0.20	F	1	0.70					0.14	F	1	0.70					0.14	F	1	0.70								
Indeno(1,2,3-cd)pyrene	0.04	0.70	--	0.039	3.4	0.08	F	1	0.70					0.05	F	1	0.70					0.05	F	1	0.70								
Phenanthrene	0.04	0.70	--	310	27000	0.06	F	1	0.70					0.04	U	1	0.70					0.04	U	1	0.70								
Pyrene	0.05	0.70	--	310	27000	0.21	F	1	0.70					0.12	F	1	0.70					0.14	F	1	0.70								

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 numbers: APPL Inc.: 31789, 31982. All MS/MSD results are presented in the Data Verification Report, Appendix B.

**Abbreviations/Notes:**

- Highlighted and bolded sample concentrations exceed RRS1 (Background).
- Boxed samples indicate results greater than RRS2 standards. Although CSSA intends to pursue closure under RRS1, RRS2 values have been retained in this table to provide a frame of reference for RRS1 exceedances.
- a Background values from Revised Background Report, 2002
- No risk reduction standard or background level available
- DL Dilution
- FD1 Field Duplicate
- GWP-Ind Soil MSC based on groundwater protection
- 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
- TaC Tarrant Association, Rolling

**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.