

Table B-23A-1
Summary of Chemical Constituents Detected in Surface Soils, January 2003
Solid Waste Management Unit B-23A

	Soil Comparison Criteria					CS-B23A-1			CS-B23A-1			CS-B23A-2			CS-B23A-3		
						1/23/2003			1/23/2003			1/23/2003			1/23/2003		
	Lab MDL	Lab RL	Background ¹ Soil	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Result	Flag	Dilution	Result	Flag	Dilution	Result	Flag	Dilution	Result	Flag	Dilution
SW6010B (mg/kg)																	
Barium	0.08	1	186	200	58,915	149.83		1	159.73		1	67.72		1	74.62		1
Chromium (III) (total chromium)	0.1	20	40.2	10	352,726	20.2		1	19.2	F	1	16.8	F	1	19.7	F	1
Copper	0.19	2	23.2	130	74,327	34.82		1	40.82		1	8.44		1	9.24		1
Nickel and compounds	0.12	2	35.5	204	11,680	10.65		1	10.3		1	9.44		1	11.16		1
Zinc	0.63	5	73.2	3,066	408,800	33.53		1	32.79		1	22.26		1	30.9		1
SW7060A (mg/kg)																	
Arsenic	0.04	0.5	19.6	1	200	3.72	M	1	8.63	M	5	5.49	M	10	6.87	M	10
SW7131A (mg/kg)																	
Cadmium	0.01	0.1	3.00	0.5	1,460	0.5	M	5	0.46	M	5	0.49	M	5	0.51	M	5
SW7421																	
Lead	0.13	0.5	84.5	1.5	1,000	31.55	M	10	38.91	M	10	12.24	M	10	38.02	M	10
SW7471A (mg/kg)																	
Mercury (pH = 6.8)	0.01	0.1	0.77	0.2	9.6	0.03	F	1	0.03	F	1	0.04	F	1	0.03	F	1
SW8260 (mg/kg)																	
Acetone	--	--	--	1,022	2,428						0.4485	T	1				
Bromomethane	0.0007	0.005	--	14	5	0.0012	M	1	0.0007	M	1	0.0007	M	1	0.0016	F	1
Methylene chloride	0.0013	0.005	--	0.5	16	0.0013	M	1	0.0013	M	1	0.0046	F	1	0.0013	M	1
Naphthalene	0.001	0.02	--	204	268	0.001	M	1	0.001	M	1	0.0045	R	1	0.001	M	1
Trichloroethane, 1,1,2-	0.0009	0.005	--	0.5	17	0.0009	U	1	0.0009	U	1	0.0009	U	1	0.0009	U	1
SW8270 (mg/kg)																	
1-Dotriacontanol	--	--	--	NA	NA				0.297	T	1	0.448	T	1			
10-Octadecenoic acid, methyl ester	--	--	--	NA	NA							0.303	T	1	0.413	T	1
12-Octadecenoic acid, methyl ester	--	--	--	NA	NA												
17-Pentatriacontene	--	--	--	NA	NA	0.431	T	1									
24-XI-Ethylcholest-5-en-3.beta.-ol	--	--	--	NA	NA							0.97	T	1			
8,11-Octadecadienoic acid, methyl ester	--	--	--	NA	NA							0.194	T	1			
9(1H)-Phenanthrene, 2,3,4,4a,10,10a-hexahydro-6-hydroxy-1,1,4a-trimethyl-	--	--	--	NA	NA										0.439	T	1
9,12,15-Octadecatrienoic acid, (Z,Z,Z)-	--	--	--	NA	NA	0.309	T	1									
9-Hexadecenoic acid, Methyl ester	--	--	--	NA	NA							0.23	T	1			
9-Octadecanamide, (Z)-	--	--	--	NA	NA	0.552	T	1									
9-Octadecenoic acid (Z), methyl ester	--	--	--	NA	NA				0.132	T	1						
Benzaldehyde	--	--	--	1,022	449	0.265	T	1				0.291	T	1			
Eicosene	--	--	--	NA	NA							0.206	T	1			
Ergost-5-en-3 (3-beta)-ol	--	--	--	NA	NA	0.508	T	1	0.231	T	1				1.15	T	1
Erucamide	--	--	--	NA	NA										1.26	T	1
Heptadecene-8-carbonic acid(1)	--	--	--	NA	NA	0.298	T	1	0.154	T	1						
Hexadecanoic acid	--	--	--	NA	NA	0.232	T	1	0.176	T	1						
Hexadecanoic acid, methyl ester	--	--	--	NA	NA	0.276	T	1	0.121	T	1	0.327	T	1	0.413	T	1
Naphthalene	0.04	0.7	--	204	268	0.04	U	1	0.04	U	1	0.04	U	1	0.04	U	1
Nonadecane	--	--	--	NA	NA										0.639	T	1
Podocarpa-8,11,13-triene-3.alpha.,13-diol, 14-isopropyl-	--	--	--	NA	NA										0.32	T	1
Stigmast-5-en-3-ol, (3.beta.,24S)-	--	--	--	NA	NA	1.1	T	1	0.51	T	1				0.91	T	1
Taraxerol methyl ester	--	--	--	NA	NA				0.485	T	1	1.19	T	1			
Taraxerol methyl ether	--	--	--	NA	NA										1.86	T	1
Totarol	--	--	--	NA	NA										0.493	T	1
Trichloroethane, 1,1,2-	--	--	--	1	17	0.287	T	1									
Tris(2-ethylhexyl)phosphate	--	--	--	NA	NA				0.132	T	1						

All samples were analyzed by APPL Inc.
Referenced laboratory package numbers: APPL Inc.: 40475
All MS/MSD results are presented in the Data Verification Report, Appendix C.

Abbreviations and Notes

- DL = Dilution
- FD = Field Duplicate
- N = Environmental Sample
- NA = Not Available

Data Qualifiers

- F = The analyte was positively identified, but the associated numerical value is below the RL.
- M = A matrix effect was present.
- R = The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.
- T = Tentatively Identified Compound
- U = The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

¹ Site-Specific Background Concentrations from Evaluation of Background Metals Concentrations in Soils and Bedrock at Camp Stanley Storage Activity (Parsons, 2002)