Table B9-1
Summary of Chemical Constituents Detected in Soil, March 2000
Solid Waste Management Unit B-9

Sample ID									B9-SB01				B9-SB01				B9-SB01				B9-SB02				B9-SB02			
Sample Date									03/03/00				03/03/00				03/03/00				03/03/00				03/03/00			
Sample Type									N1				N1				N1				N1				N1			
Soil Type									Soil (*BrE*)				GR				GR				Soil (*BrE*)				GR			
Beginning Depth									0.5				3				5.5				0.5				3.5			
Ending Depth									1				3.5				6				1				4			
Lab ID									AP89379 / Q0594				AP89380 / Q0595				AP89381 / Q0596				AP89382 / Q0591				AP89383 / Q0592			
					Soil Comparison Criteria																							
	APPL		*OBG*		Background[a]	Background[a]	RRS2-GWP	RRS2-SAI																				
	Lab MDL	Lab RL	Lab MDL	Lab RL	Soil	*GR*	(Ind.)	(Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/kg)																												
Barium	0.08	1.0	0.044	1.0	186	10.0	200	59,000	15.4		5	5.0	3.0	F	5	5.0	3.9	F	5	5.0	15.2		5	5.0	5.6		5	5.0
Chromium	0.1	20.0	0.078	20.0	40.2	8.1	10	350,000	5.9	F	5	100.0	3.1	F	5	100.0	5.5	F	5	100.0	6.1	F	5	100.0	4.2	F	5	100.0
Copper	0.19	2.0	0.072	2.0	23.2	13.1	130	74,000	4.0	F	5	10.0	0.8	F	5	10.0	1.6	F	5	10.0	3.0	F	5	10.0	1.1	F	5	10.0
Nickel	0.12	2.0	0.118	2.0	35.5	6.8	200	12,000	4.8	F	5	10.0	1.5	F	5	10.0	2.7	F	5	10.0	4.5	F	5	10.0	1.9	F	5	10.0
Zinc	0.63	5.0	0.42	2.0	73.2	11.3	3,100	41,000	13.7		5	10.0	7.5	F	5	10.0	7.0	F	5	10.0	14.9		5	10.0	6.1	F	5	10.0
SW7060A (mg/kg)																												
Arsenic	0.04	0.5	0.032	0.5	19.6	3.8	5	200	2.45	J	1	0.5	0.32	F	1	0.5	0.74	J	1	0.5	2.50	J	1	0.5	0.48	F	1	0.5
SW7131A (mg/kg)																												
Cadmium	0.01	0.1	0.022	0.1	3.0	0.10	0.5	410	0.120		1	0.1	0.022	U	1	0.1	0.022	U	1	0.1	0.200		1	0.1	0.022	U	1	0.1
SW7421 (mg/kg)																												
Lead	0.13	0.5	0.069	0.5	84.5	5.5	1.5	1,000	7.85		2	1	0.97		1	0.5	2.17		1	0.5	15.26		10	5	2.07		1	0.5
SW7471A (mg/kg)																												
Mercury	0.01	0.1	0.024	0.1	0.77	0.1	0.2	9.6	0.024	U	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1
SW8260B (mg/kg)																												
Dichlorodifluoromethane	0.0008	0.005	NA	NA	--	--	2,000	3,100	**0.0142**		1	**0.005**	0.0380		1	0.005	0.0129		1	0.005	0.0221		1	0.005	0.0271		1	0.005
Methylene chloride	0.0007	0.005	NA	NA	--	--	0.5	16	0.001	F	1	0.005	0.0019	F	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Toluene	0.0003	0.005	NA	NA	--	--	100	2,400	0.0006	F	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	**0.0074**		1	**0.005**	0.0003	U	1	0.005
SW8270C (mg/kg)																												
Bis(2-ethylhexyl)phthalate	0.03	0.7	NA	NA	--	--	0.6	65	0.03	U	1	0.7	0.03	U	1	0.7	0.05	F	1	0.7	0.03	U	1	0.7	0.05	F	1	0.7

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. and O'Brien and Gere Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32134, 32135
O'Brien and Gere: 4941, 4953
All MS/MSD results are presented in the Data Verification Reports, Appendix D.

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceeds RRS1 (background) Standards.
Boxed samples indicate results greater than RRS2 Standards. Although CSSA's intention is to close sites under either RRS1
    or TRRP criteria, RRS2 standards have been retained in the tables to provide a frame of reference for RRS1 exceedances.
--   No risk reduction sandard or background level available
a   Background values from Second Revision to the Evaluation of Background Metals Concentrations in Soils and Bedrock
    at CSSA (Parsons, February 2002).
BrE   Brackett soils
DL   Dilution
FD1   Field Duplicate
GR   Glen Rose
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

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.

Sample ID								B9-SB02				B9-SB03				B9-SB03				B9-SB03				B9-SB03			
Sample Date								03/03/00				03/03/00				03/03/00				03/03/00				03/03/00			
Sample Type								N1				N1				FD1				N1				N1			
Soil Type								GR				Soil (*BrE*)				Soil (*BrE*)				GR				GR			
Beginning Depth								7.5				0.5				0.5				2.5				5			
Ending Depth								8				1				1				3				5.5			
Lab ID								AP89384 / Q0593				AP89375				AP89423				AP89376				AP89377			
	Soil Comparison Criteria																											
	APPL		*OBG*																									
	Lab MDL	Lab RL	Lab MDL	Lab RL	Background[a] Soil	Background[a] *GR*	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
SW6010B (mg/kg)																												
Barium	0.08	1.0	0.044	1.0	186	10.0	200	59,000	1.7	F	5	5.0	6.82		1	1.0	6.77		1	1.0	1.83		1	1.0	2.93		1	1.0
Chromium	0.1	20.0	0.078	20.0	40.2	8.1	10	350,000	3.5	F	5	100.0	2.4	F	1	20.0	2.4	F	1	20.0	1.7	F	1	20.0	2.8	F	1	20.0
Copper	0.19	2.0	0.072	2.0	23.2	13.1	130	74,000	0.8	F	5	10.0	2.04		1	2.0	1.96	F	1	2.0	0.94	F	1	2.0	1.28	F	1	2.0
Nickel	0.12	2.0	0.118	2.0	35.5	6.8	200	12,000	2.2	F	5	10.0	2.54		1	2.0	2.60		1	2.0	1.73	F	1	2.0	2.17		1	2.0
Zinc	0.63	5.0	0.42	2.0	73.2	11.3	3,100	41,000	**14.3**		**5**	**10.0**	5.72		1	5.0	5.01		1	5.0	2.70	F	1	5.0	**22.03**		**1**	**5.0**
SW7060A (mg/kg)																												
Arsenic	0.04	0.5	0.032	0.5	19.6	3.8	5	200	0.17	F	1	0.5	0.04	J	1	0.5	0.04	J	1	0.5	0.04	M	1	0.5	0.04	J	1	0.5
SW7131A (mg/kg)																												
Cadmium	0.01	0.1	0.022	0.1	3.0	0.10	0.5	410	0.030	F	1	0.1	0.020	F	1	0.1	0.050	F	1	0.1	0.010	U	1	0.1	0.010	U	1	0.1
SW7421 (mg/kg)																												
Lead	0.13	0.5	0.069	0.5	84.5	5.5	1.5	1,000	0.66		1	0.5	2.31	J	1	0.5	2.88	J	1	0.5	0.74	M	1	0.5	1.30	J	1	0.5
SW7471A (mg/kg)																												
Mercury	0.01	0.1	0.024	0.1	0.77	0.1	0.2	9.6	**0.20**		**1**	**0.1**	0.03	F	1	0.1	0.03	F	1	0.1	0.02	F	1	0.1	0.02	F	1	0.1
SW8260B (mg/kg)																												
Dichlorodifluoromethane	0.0008	0.005	NA	NA	--	--	2,000	3,100	**0.0199**		**1**	**0.005**	0.0008	U	1	0.005	0.0008	U	1	0.005	**0.0328**	**M**	**1**	**0.005**	**0.0147**		**1**	**0.005**
Methylene chloride	0.0007	0.005	NA	NA	--	--	0.5	16	0.0007	U	1	0.005	0.0007	U	1	0.005	**0.0055**		**1**	**0.005**	0.0017	F	1	0.005	0.0007	U	1	0.005
Toluene	0.0003	0.005	NA	NA	--	--	100	2,400	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	M	1	0.005	0.0003	U	1	0.005
SW8270C (mg/kg)																												
Bis(2-ethylhexyl)phthalate	0.03	0.7	NA	NA	--	--	0.6	65	0.48	F	1	0.7																

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