

Table B11-1
Summary of Chemical Constituents Detected in Soil, February 2000
Solid Waste Management Unit B-11

	Soil Comparison Criteria										Soil Comparison Criteria											
	Lab MDL		Lab RL		Background ^a GR		Background ^a Soil		RRS2-GWP (Ind.)		RRS2-SAI (Ind.)		B11-SB01		B11-SB01		B11-SB01		B11-SB02			
	Sample ID	02/29/00	Sample Date	02/29/00	Sample Type	N1	Soil Type	Soil (Tf)	Beginning Depth	0.5	Ending Depth	9.5	Sample ID	02/29/00	Sample Date	N1	Soil Type	Soil (Tf)				
	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL		
	Lab ID	AP89234			Lab ID	AP89235			Lab ID	AP89236			Lab ID	AP89231			Lab ID	AP89231				
SW6010B (mg/kg)																						
Barium	0.08	1.0	10.	186.	200	59,000	70.4	J	1	1.0	6.72	J	1	1.0	7.74	J	1	1.0	4.7	J	1	1.0
Chromium	0.1	20.0	8.1	40.2	10	350,000	14.5	F	1	20.0	3.5	F	1	20.0	6.3	F	1	20.0	11.2	F	1	20.0
Copper	0.19	2.0	13.1	23.2	130	74,000	11.84	J	1	2.0	3.07	J	1	2.0	3.33	J	1	2.0	9.4	J	1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	13.01	J	1	2.0	2.85	J	1	2.0	6.25	J	1	2.0	9.94	J	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	410,000	74.91	B	1	5.0	3.39	F	1	5.0	6.06	B	1	5.0	27.51	B	1	5.0
SW7060A (mg/kg)																						
Arsenic	0.04	0.5	3.8	19.6	5.0	200	3.09	J	1	0.5	0.90	J	1	0.5	3.91	J	1	0.5	2.70	J	1	0.5
SW7131A (mg/kg)																						
Cadmium	0.01	0.1	0.1	3.	0.5	410	0.22	J	1	0.1	0.07	J	1	0.1	0.06	J	1	0.1	0.20	J	1	0.1
SW7421 (mg/kg)																						
Lead	0.13	0.5	5.5	84.5	1.5	1,000	24.09	J	5	2.5	2.41	J	1	0.5	3.19	J	1	0.5	15.95	J	5	2.5
SW7471A (mg/kg)																						
Mercury	0.01	0.1	0.1	0.77	0.2	9.6	0.07	F	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.02	F	1	0.1
SW8260B (mg/kg)																						
Chloroform	0.0003	0.002	--	--	10	0.51	0.0003	U	1	0.002	0.0004	F	1	0.002	0.0003	U	1	0.002	0.0004	F	1	0.002
Dichlorodifluoromethane	0.0008	0.005	--	--	2,000	3,100	0.0008	U	1	0.005	0.0106	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0011	F	1	0.005	0.0041	F	1	0.005	0.0239	J	1	0.005	0.0130	J	1	0.005

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. Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32110, 32102

All MS/MS results are presented in the Data Verification Reports, Appendix C.

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 (background levels) Standards.

Boxed samples indicate results greater than RRS2 Standards.

-- No risk reduction standard or background level available

a Background values from second Revised Background Report, February 2002

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

Tf Trinity and Frio soils

Data Qualifiers:

B-The analyte was found in an associated blank, as well as in the sample.

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	Sample ID	Sample Date	Beginning Depth	Ending Depth	Soil Type	Lab ID	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/kg)																						
Barium	0.08	1.0	10.	186.	200	59,000	4.95	J	1	1.0	8.16	J	1	1.0	42.5	J	1	1.0	43.41	J	1	1.0
Chromium	0.1	20.0	8.1	40.2	10	350,000	4.5	F	1	20.0	4.8	F	1	20.0	8.	F	1	20.0	8.2	F	1	20.0
Copper	0.19	2.0	13.1	23.2	130	74,000	2.69	J	1	2.0	4.12	J	1	2.0	6.29	J	1	2.0	6.38	J	1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	4.69	J	1	2.0	5.3	J	1	2.0	7.82	J	1	2.0	8.14	J	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	410,000	2.94	F	1	5.0	5.45	B	1	5.0	14.79		1	5.0	15.33		1	5.0
SW7060A (mg/kg)																						
Arsenic	0.04	0.5	3.8	19.6	5.0	200	1.57	J	1	0.5	3.30	J	1	0.5	2.30	J	1	0.5	0.92	J	1	0.5
SW7131A (mg/kg)																						
Cadmium	0.01	0.1	0.1	3.	0.5	410	0.50	J	1	0.1	0.07	J	1	0.1	0.15		1	0.1	0.03	F	1	0.1
SW7421 (mg/kg)																						
Lead	0.13	0.5	5.5	84.5	1.5	1,000	2.53	J	1	0.5	3.87	J	1	0.5	9.78	J	5	2.5	1.45	J	1	0.5
SW7471A (mg/kg)																						
Mercury	0.01	0.1	0.1	0.77	0.2	9.6	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1
SW8260B (mg/kg)																						
Chloroform	0.0003	0.002	--	--	10	0.51	0.0004	F	1	0.002	0.0003	U	1	0.002	0.0006	F	1	0.002	0.0005	F	1	0.002
Dichlorodifluoromethane	0.0008	0.005	--	--	2,000	3,100	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0417	J	1	0.005	0.0343	J	1	0.005	0.0199	1	0.005	0.0377	1	0.005		

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. Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32110, 32102

All MS/MS results are presented in the Data Verification Reports, Appendix C.

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 (background levels) Standards.

Boxed samples indicate results greater than RRS2 Standards.

-- No risk reduction standard or background level available

a Background values from second Revised Background Report, February 2002

DL Dilution

FD1 Field Duplicate

GR Glen Rose

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MDL Method Detection Limit

N1 Environmental Sample

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	Sample ID	Sample Date	N1	FD1	GR	GR	9.5	9.5	0.5	N1	GR											
	Sample Type	Soil Type	GR	GR	GR	GR	9.5	9.5	0.5	Soil (Tf)	GR											
	Beginning Depth	Ending Depth	9.5	9.5	10	10	10	10	1	Soil (Tf)	GR											
	Lab ID		AP89203		AP89204		AP89198		AP89199													
SW6010B (mg/kg)																						
Barium	0.08	1.0	10.	186.	200	59,000	5.62	J	1	1.0	3.38	J	1	1.0	52.96	J	1	1.0	2.46	J	1	1.0
Chromium	0.1	20.0	8.1	40.2	10	350,000	5.8	F	1	20.0	2.	F	1	20.6	11.6	F	1	20.0	1.4	F	1	20.0
Copper	0.19	2.0	13.1	23.2	130	74,000	1.55	F	1	2.0	2.53	J	1	2.1	8.27	J	1	2.0	1.1	F	1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	4.55	J	1	2.0	4.67	J	1	2.1	9.79	J	1	2.0	2.25	J	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	410,000	4.72	F	1	5.0	3.76	F	1	5.2	21.38		1	5.0	2.41	F	1	5.0
SW7060A (mg/kg)																						
Arsenic	0.04	0.5	3.8	19.6	5.0	200	1.99	J	1	0.5	0.34	F	1	0.5	3.11	J	1	0.5	0.04	J	1	0.5
SW7131A (mg/kg)																						
Cadmium	0.01	0.1	0.1	3.	0.5	410	0.01	U	1	0.1	0.02	F	1	0.10	0.2		1	0.1	0.03	F	1	0.1
SW7421 (mg/kg)																						
Lead	0.13	0.5	5.5	84.5	1.5	1,000	1.74	J	1	0.5	1.24	J	1	0.5	13.38	J	5	2.5	0.92	J	1	0.5
SW7471A (mg/kg)																						
Mercury	0.01	0.1	0.1	0.77	0.2	9.6	0.01	U	1	0.1	0.01	U	1	0.1	0.02	F	1	0.11	0.01	U	1	0.1
SW8260B (mg/kg)																						
Chloroform	0.0003	0.002	--	--	10	0.51	0.0004	F	1	0.002	0.0008	F	1	0.002	0.0065	B	1	0.002	0.0033	B	1	0.002
Dichlorodifluoromethane	0.0008	0.005	--	--	2,000	3,100	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0413	1	0.005	0.0350	1	0.005	0.0110	1	0.005	0.0176	1	0.005				

Tables present all laboratory results for analytes detected above the method detection limit.

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	Sample ID	Sample Date	Beginning Depth	Ending Depth	Soil Type	Lab ID	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/kg)																						
Barium	0.08	1.0	10.	186.	200	59,000	3.14	J	1	1.0	5.92	J	1	1.0	2.23	J	1	1.0	5.15	J	1	1.0
Chromium	0.1	20.0	8.1	40.2	10	350,000	1.5	F	1	20.0	5.5	F	1	20.0	1.5	F	1	20.0	3.5	F	1	20.0
Copper	0.19	2.0	13.1	23.2	130	74,000	1.92	F	1	2.0	2.35	J	1	2.0	1.76	F	1	2.0	4.06	J	1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	2.62	J	1	2.0	3.87	J	1	2.0	3.75	J	1	2.0	3.91	J	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	410,000	3.04	F	1	5.0	4.08	F	1	5.0	1.88	F	1	5.0	3.87	F	1	5.0
SW7060A (mg/kg)																						
Arsenic	0.04	0.5	3.8	19.6	5.0	200	0.04	U	1	0.5	1.46	J	1	0.5	1.00	J	1	0.5	0.58	J	1	0.5
SW7131A (mg/kg)																						
Cadmium	0.01	0.1	0.1	3.	0.5	410	0.04	F	1	0.1	0.06	F	1	0.1	0.04	F	1	0.1	0.05	F	1	0.1
SW7421 (mg/kg)																						
Lead	0.13	0.5	5.5	84.5	1.5	1,000	1.41	J	1	0.5	2.42	J	1	0.5	1.3	J	1	0.5	2.57	J	1	0.5
SW7471A (mg/kg)																						
Mercury	0.01	0.1	0.1	0.77	0.2	9.6	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1
SW8260B (mg/kg)																						
Chloroform	0.0003	0.002	--	--	10	0.51	0.0009	F	1	0.002	0.0005	F	1	0.002	0.0004	F	1	0.002	0.0024	B	1 0.002	
Dichlorodifluoromethane	0.0008	0.005	--	--	2,000	3,100	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1 0.005	
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0123	1 0.005	0.0321	1 0.005	0.0350	1 0.005	0.0350	1 0.005	0.0220	1 0.005	0.0220	1 0.005				

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