

Table B23-2
Summary of Chemical Constituents Detected in Soils, March 2000
Solid Waste Management Unit B-23

	Sample ID	B23-SB01	B23-SB01	B23-SB01	B23-SB02	B23-SB02																
	Sample Date	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00																
	Sample Type	N1	N1	N1	N1	N1																
	Soil Type	TaB	GR	GR	TaB	GR																
	Beginning Depth	0.5	5.5	9.	0.5	5.5																
	Ending Depth	1.	6.	9.5	1.	6.																
	Lab ID	AP89334	AP89335	AP89336	AP89338	AP89339																
	Soil Comparison Criteria																					
	Lab MDL	Lab RL	Background ^a TaB	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
SW6010B (mg/kg)																						
Barium	0.08	1.	363.	10.4	200.	59,000.	58.2 J	1	1		7.18 J	1	1	7.19 J	1	1	38.81 J	1	1	23.63 J	1	1
Chromium	0.1	20.	83.9	10.0	10.	350,000.	10.2 F	1	20		3.9 F	1	20	3.7 F	1	20	6.7 F	1	20	6.8 F	1	20
Copper	0.19	2.	37.6	10.9	130.	74,000.	103.3 J	1	2		3.66 J	1	2	4.19 J	1	2	5.96 J	1	2	4.74 J	1	2
Nickel	0.12	2.	62.4	7.34	200.	12,000.	7.47 J	1	2		2.57 J	1	2	3.19 J	1	2	5.22 J	1	2	4.78 J	1	2
Zinc	0.63	5.	132.	12.0	3,100.	41,000.	17.83	1	5		4.12 F	1	5	5.14	1	5	18.79	1	5	8.64	1	5
SW7060A (mg/kg)																						
Arsenic	0.04	0.5	26.6	3.86	5.	200.	2.23	1	0.5		0.04 U	1	0.5	0.04 U	1	0.5	0.38 F	1	0.5	0.04 U	1	0.5
SW7131A (mg/kg)																						
Cadmium	0.01	0.1	0.80	0.06	0.5	410.	0.69	5	0.5		0.01 U	1	0.1	0.01 U	1	0.1	0.24	1	0.1	0.01 U	1	0.1
SW7421 (mg/kg)																						
Lead	0.13	0.5	105.	5.17	1.5	1,000.	18.49	15	0.5		2.00	1	0.5	2.39	1	0.5	12.96	5	2.5	2.67	1	0.5
SW7471A (mg/kg)																						
Mercury	0.01	0.1	2.90	0.05	0.2	9.6	0.02 F	1	0.1		0.01 U	1	0.1	0.01 U	1	0.1	0.05 F	1	0.1	0.02 F	1	0.1
SW8260B (mg/kg)																						
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0074	1	0.002		0.0009 F	1	0.002	0.0012 F	1	0.002	0.0262	1	0.002	0.0009 F	1	0.002
Dichlorodifluoromethane	0.0008	0.005	--	--	2000	3100	0.0008 U	1	0.005		0.0008 U	1	0.005	0.0008 U	1	0.005	0.0008 U	1	0.005	0.0008 U	1	0.005
Ethylbenzene	0.0004	0.003	--	--	70.	6,900.	0.0021 F	1	0.003		0.0022 F	1	0.003	0.0027 F	1	0.003	0.0073	1	0.003	0.0037	1	0.003
Isopropylbenzene	0.0004	0.008	--	--	1000	9000	0.0004 U	1	0.008		0.0004 U	1	0.008	0.0004 U	1	0.008	0.0008 F	1	0.008	0.0004 U	1	0.008
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0014 F	1	0.005		0.0009 F	1	0.005	0.0008 F	1	0.005	0.0011 F	1	0.005	0.0007 U	1	0.005
Naphthalene	0.001	0.02	--	--	200	270	0.001 U	1	0.02		0.002 F	1	0.02	0.002 F	1	0.02	0.005 F	1	0.02	0.002 F	1	0.02
Toluene	0.0003	0.005	--	--	100.	2,400.	0.0103	1	0.005		0.0041 F	1	0.005	0.0046 F	1	0.005	0.0286	1	0.005	0.0051	1	0.005
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA	0.0008 F	1	0.007		0.0010 F	1	0.007	0.0013 F	1	0.007	0.0039 F	1	0.007	0.0011 F	1	0.007
Trimethylbenzene, 1,3,5-	0.0004	0.003	--	--	NA	NA	0.0004 U	1	0.003		0.0004 U	1	0.003	0.0004 U	1	0.003	0.0009 F	1	0.003	0.0004 U	1	0.003
Xylene, m,p-	0.0008	0.007	--	--	1,000.	3,300.	0.0023 F	1	0.007		0.0014 F	1	0.007	0.0016 F	1	0.007	0.0091	1	0.007	0.0016 F	1	0.007
Xylene, o-	0.0004	0.005	--	--	1,000.	48,000.	0.0011 F	1	0.005		0.0006 F	1	0.005	0.0007 F	1	0.005	0.0045 F	1	0.005	0.0007 F	1	0.005
SW8270C (mg/kg)																						
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65.	0.27 F	1	0.7		0.28 F	1	0.7	0.03 U	1	0.7	0.12 F	1	0.7	0.08 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 B.

All samples were analyzed by APPL Inc. Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32129, 32133

All MS/MSD results are presented in the Data Verification Report, Appendix E.

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 and/ RRS2 Standards.

Boxed samples indicated results greater than RRS2 Standards.

-- No risk reduction standard or background level available

a Background values from Revised Background Report, 2001

DL Dilution

FD1 Field Duplicate

GR Glen Rose

GWP-Ind Soil MSC based on groundwater protection

Kr Krum Complex

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

TaB Tarrant Association, gently undulating

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.

ND - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

Table B23-2
Summary of Chemical Constituents Detected in Soils, March 2000
Solid Waste Management Unit B-23

	Sample ID	B23-SB02	B23-SB03	B23-SB03	B23-SB03	B23-SB03																
	Sample Date	03/02/00	03/03/00	03/03/00	03/03/00	03/03/00																
	Sample Type	N1	N1	FD1	N1	N1																
	Soil Type	GR	TaB	TaB	GR	GR																
	Beginning Depth	10.	0.5	0.5	5.	9.5																
	Ending Depth	10.5	1.	1.	5.5	10.																
	Lab ID	AP89340	AP89369	AP89370	AP89373	AP89374																
Soil Comparison Criteria																						
	Lab MDL	Lab RL	Background ^a TaB	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
SW6010B (mg/kg)																						
Barium	0.08	1.	363.	10.4	200.	59,000.	2.49 J	1	1	54.31 M	1	1	52.13 M	1	1	7.57 J	1	1	10.75 J	1	1	
Chromium	0.1	20.	83.9	10.0	10.	350,000.	1.6 F	1	20	11.4 M	1	20	9.9 M	1	20	3.8 F	1	20	5.9 F	1	20	
Copper	0.19	2.	37.6	10.9	130.	74,000.	1.97 F	1	2	6.08 M	1	2	6.09 M	1	2	3.59	1	2	5.88	1	2	
Nickel	0.12	2.	62.4	7.34	200.	12,000.	2.38 J	1	2	7.75 M	1	2	7.54 M	1	2	3.35 J	1	2	7.83 J	1	2	
Zinc	0.63	5.	132.	12.0	3,100.	41,000.	17.35	1	5	42.26 M	1	5	48.19 M	1	5	7.72 J	1	5	28.64 J	1	5	
SW7060A (mg/kg)																						
Arsenic	0.04	0.5	26.6	3.86	5.	200.	0.04 U	1	0.5	1.25 M	1	0.5	2.74 M	1	0.5	0.52	1	0.5	3.12	1	0.5	
SW7131A (mg/kg)																						
Cadmium	0.01	0.1	0.80	0.06	0.5	410.	0.01 U	1	0.1	0.17	1	0.1	0.19	1	0.1	0.01 U	1	0.1	0.01 U	1	0.1	
SW7421 (mg/kg)																						
Lead	0.13	0.5	105.	5.17	1.5	1,000.	1.18	1	0.5	9.45 M	5	2.5	10.29	5	2.5	2.77	1	0.5	6.17 M	5	2.5	
SW7471A (mg/kg)																						
Mercury	0.01	0.1	2.90	0.05	0.2	9.6	0.01 U	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)																						
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0016 F	1	0.002	0.0003 U	1	0.002	0.0003 U	1	0.002	0.0003 U	1	0.002	0.0003 U	1	0.002	
Dichlorodifluoromethane	0.0008	0.005	--	--	2000	3100	0.0008 U	1	0.005	0.0040 M	1	0.005	0.0145 M	1	0.005	0.0490	1	0.005	0.0319	1	0.005	
Ethylbenzene	0.0004	0.003	--	--	70.	6,900.	0.0027 F	1	0.003	0.0004 U	1	0.003	0.0004 U	1	0.003	0.0004 U	1	0.003	0.0004 U	1	0.003	
Isopropylbenzene	0.0004	0.008	--	--	1000	9000	0.0004 U	1	0.008	0.0004 U	1	0.008	0.0004 U	1	0.008	0.0004 U	1	0.008	0.0004 U	1	0.008	
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0007 U	1	0.005	0.0007 U	1	0.005	0.0019 F	1	0.005	0.0020 F	1	0.005	0.0013 F	1	0.005	
Naphthalene	0.001	0.02	--	--	200	270	0.002 F	1	0.02	0.001 M	1	0.02	0.001 M	1	0.02	0.001 U	1	0.02	0.001 U	1	0.02	
Toluene	0.0003	0.005	--	--	100.	2,400.	0.0051	1	0.005	0.0030 F	1	0.005	0.0003 U	1	0.005	0.0003 U	1	0.005	0.0003 U	1	0.005	
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA	0.0014 F	1	0.007	0.0004 U	1	0.007	0.0004 U	1	0.007	0.0004 U	1	0.007	0.0004 U	1	0.007	
Trimethylbenzene, 1,3,5-	0.0004	0.003	--	--	NA	NA	0.0004 U	1	0.003	0.0004 U	1	0.003	0.0004 U	1	0.003	0.0004 U	1	0.003	0.0004 U	1	0.003	
Xylene, m,p-	0.0008	0.007	--	--	1,000.	3,300.	0.0019 F	1	0.007	0.0008 U	1	0.007	0.0008 U	1	0.007	0.0008 U	1	0.007	0.0008 U	1	0.007	
Xylene, o-	0.0004	0.005	--	--	1,000.	48,000.	0.0009 F	1	0.005	0.0004 U	1	0.005	0.0004 U	1	0.005	0.0004 U	1	0.005	0.0004 U	1	0.005	
SW8270C (mg/kg)																						
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65.	0.05 F	1	0.7	0.04 F	1	0.7	0.03 U	1	0.7	0.05 F	1	0.7	0.03 U	1	0.7	

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-- No risk reduction standard or background level available

a Background values from Revised Background Report, 2001

DL Dilution

FD1 Field Duplicate

GR Glen Rose

GWP-Ind Soil MSC based on groundwater protection

Kr Krum Complex

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

TaB Tarrant Association, gently undulating

Data Qualifiers:

F - The analyte was positively identified, but the associated numerical value is below the RL.

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