Table B4-3
Summary of Chemical Constituents Detected in Soil, April 2000
Solid Waste Management Unit B-4

Soil Comparison Criteria

Analyte	Lab MDL	Lab RL	Background[a] *GR*	Background[a] Soil	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)
D2216 (%)						
Moisture						
SW6010B (mg/kg)						
Barium	0.08	1.0	10.0	186	200	59,000
Chromium	0.1	20.0	8.1	40.2	10	350,000
Copper	0.19	2.0	13.1	23.2	130	74,000
Nickel	0.12	2.0	6.8	35.5	200	12,000
Zinc	0.63	5.0	11.3	73.2	3,100	41,000
SW7060A (mg/kg)						
Arsenic	0.04	0.5	3.8	19.6	5	200
SW7131A (mg/kg)						
Cadmium	0.01	0.1	0.1	3.	0.5	410
SW7421 (mg/kg)						
Lead	0.13	0.5	5.5	84.5	1.5	1,000
SW7471A (mg/kg)						
Mercury	0.01	0.1	0.1	0.77	0.01	0.1
SW8260B (mg/kg)						
Benzene	0.0003	0.002	--	--	0.5	1.5
Bromomethane	0.0007	0.005	--	--	14	4.9
Butylbenzene, sec-	0.0004	0.007	--	--	NA	NA
Chloroform	0.0003	0.002	--	--	10	0.51
Dichlorodifluoromethane	0.0008	0.005	--	--	2,000	3,100
Ethylbenzene	0.0004	0.003	--	--	70	6,900
Methylene chloride	0.0007	0.005	--	--	0.5	16
Toluene	0.0003	0.005	--	--	100	2,400
Trichloroethene	0.001	0.010	--	--	0.5	6.6
Trichlorofluoromethane	0.0009	0.004	--	--	3,100	3,800
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA
Xylene, o-	0.0004	0.005	--	--	100	48,000
SW8270C (mg/kg)						
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65
SW8330 (mg/kg)						
TETRYL	0.022	0.65	--	--	NA	NA

Sample ID	B4-SB06				B4-SB06				B4-SB06			
Sample Date	04/03/00				04/03/00				04/03/00			
Sample Type	N1				N1				N1			
Soil Type	Soil (TaB)				Soil (TaB)				GR			
Beginning Depth	0				4.5				11			
Ending Depth	0.5				5				11.5			
Lab ID	AP90573/00C00788				AP90574/00C00789				AP90575/00C00790			
	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
D2216 (%)												
Moisture	17.6				9.				3.5			
SW6010B (mg/kg)												
Barium	117.15	J	1	1.0	62.57	J	1	1.0	6.31		1	1.0
Chromium	20.4	J	1	20.0	18.5	F	1	20.0	4.9	F	1	20.0
Copper	13.30		1	2.0	10.75		1	2.0	2.86		1	2.0
Nickel	11.27	J	1	2.0	10.29	J	1	2.0	3.39		1	2.0
Zinc	30.06	J	1	5.0	23.25	J	1	5.0	5.24		1	5.0
SW7060A (mg/kg)												
Arsenic	4.14	J	1	0.5	5.86	J	5	2.5	1.63	J	1	0.5
SW7131A (mg/kg)												
Cadmium	0.17	J	1	0.1	0.19	J	1	0.1	0.01	U	1	0.1
SW7421 (mg/kg)												
Lead	15.76	J	5	2.5	7.53	J	5	2.5	2.52	J	1	0.5
SW7471A (mg/kg)												
Mercury	0.29		1	0.1	0.02	F	1	0.1	0.01	U	1	0.1
SW8260B (mg/kg)												
Benzene	0.0005	F	1	0.002	0.0004	F	1	0.002	0.0003	U	1	0.002
Bromomethane	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Chloroform	0.0005	F	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Dichlorodifluoromethane	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005
Ethylbenzene	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003
Methylene chloride	0.0040	F	1	0.005	0.0014	F	1	0.005	0.0007	U	1	0.005
Toluene	**0.0066**		**1**	**0.005**	0.0004	F	1	0.005	0.0006	F	1	0.005
Trichloroethene	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Xylene, o-	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	U	1	0.7	0.03	U	1	0.7	0.07	F	1	0.7
SW8330 (mg/kg)												
TETRYL	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

Sample ID	B4-SB06				B4-SB07				B4-SB07			
Sample Date	04/03/00				04/03/00				04/03/00			
Sample Type	N1				N1				N1			
Soil Type	GR				Soil (TaB)				Soil (TaB)			
Beginning Depth	15.5				0				4.5			
Ending Depth	16				0.5				5			
Lab ID	AP90576/00C00791				AP90577/00C00792				AP90578/00C00793			
	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
D2216 (%)												
Moisture	5.9				14.9				7.2			
SW6010B (mg/kg)												
Barium	9.98	J	1	1.0	46.76	J	1	1.0	33.59	J	1	1.0
Chromium	10.5	F	1	20.0	10.8	F	1	20.0	11.2	F	1	20.0
Copper	3.24	J	1	2.0	9.38		1	2.0	9.39		1	2.0
Nickel	5.52	J	1	2.0	6.25	J	1	2.0	6.22	J	1	2.0
Zinc	8.45	J	1	5.0	37.96	J	1	5.0	18.97	J	1	5.0
SW7060A (mg/kg)												
Arsenic	1.76	J	1	0.5	2.95	J	1	0.5	1.40	J	1	0.5
SW7131A (mg/kg)												
Cadmium	0.01	U	1	0.1	0.38	J	5	0.5	0.28	J	1	0.1
SW7421 (mg/kg)												
Lead	2.90	J	1	0.5	37.32	J	10	5.0	4.73	J	1	0.5
SW7471A (mg/kg)												
Mercury	0.01	U	1	0.1	**16.99**		**10**	**1.0**	0.19		1	0.1
SW8260B (mg/kg)												
Benzene	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Bromomethane	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Chloroform	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Dichlorodifluoromethane	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005
Ethylbenzene	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003
Methylene chloride	0.0007	U	1	0.005	0.0012	F	1	0.005	0.0012	F	1	0.005
Toluene	0.0004	F	1	0.005	0.0029	F	1	0.005	0.0003	U	1	0.005
Trichloroethene	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Xylene, o-	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	U	1	0.7	0.03	U	1	0.7	0.07	F	1	0.7
SW8330 (mg/kg)												
TETRYL	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

Sample ID	B4-SB07				B4-SB07				B4-SB07			
Sample Date	04/03/00				04/03/00				04/03/00			
Sample Type	N1				N1				FD1			
Soil Type	GR				GR				GR			
Beginning Depth	8.5				14.5				14.5			
Ending Depth	9				15				15			
Lab ID	AP90579/00C00794				AP90580/00C00795				AP90581/00C00796			
	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
D2216 (%)												
Moisture	5.1				7.1				7.			
SW6010B (mg/kg)												
Barium	**42.20**	**J**	**1**	**1.0**	**10.51**	**J**	**1**	**1.0**	9.91	J	1	1.0
Chromium	**15.9**	**F**	**1**	**20.0**	**10.3**	**F**	**1**	**20.0**	**9.7**	**F**	**1**	**20.0**
Copper	6.90		1	2.0	2.77		1	2.0	3.11		1	2.0
Nickel	**9.18**	**J**	**1**	**2.0**	4.89	J	1	2.0	5.46	J	1	2.0
Zinc	**16.54**	**J**	**1**	**5.0**	10.03	J	1	5.0	10.86	J	1	5.0
SW7060A (mg/kg)												
Arsenic	1.59	J	1	0.5	0.34	F	1	0.5	1.53	J	1	0.5
SW7131A (mg/kg)												
Cadmium	0.07	F	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1
SW7421 (mg/kg)												
Lead	4.91	J	1	0.5	2.54	J	1	0.5	3.29	J	1	0.5
SW7471A (mg/kg)												
Mercury	0.04	F	1	0.1	0.01	U	1	0.1	0.02	F	1	0.1
SW8260B (mg/kg)												
Benzene	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Bromomethane	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Chloroform	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Dichlorodifluoromethane	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.005
Ethylbenzene	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003
Methylene chloride	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Toluene	0.0003	U	1	0.005	0.0005	F	1	0.005	0.0003	U	1	0.005
Trichloroethene	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Xylene, o-	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	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
SW8330 (mg/kg)												
TETRYL	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

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 DataChem Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32352, 32360, 32368, 32374
DataChem: 83-01, 83-02, 84-01, 87-01

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

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 Standards.
Boxed samples indicate results greater than RRS2 Standards.

-- No risk reduction standard or background level available
a Background values from Revised Background Report, 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
TaB Tarrant, gently undulating

Data Qualifiers:

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

Table B4-3
Summary of Chemical Constituents Detected in Soil, April 2000
Solid Waste Management Unit B-4

						Sample ID	B4-SB08				B4-SB08				B4-SB08				B4-SB08				B4-SB09				B4-SB09				B4-SB09				B4-SB09				B4-SB09			
						Sample Date	04/04/00				04/04/00				04/04/00				04/04/00				04/04/00				04/04/00				04/04/00				04/04/00				04/04/00			
						Sample Type	N1				N1				N1				N1				N1				N1				N1				N1				FD1			
						Soil Type	Soil (TaB)				Soil (TaB/Fill)/Fill				GR				GR				Soil (TaB/Fill)/Fill				Soil (TaB/Fill)/Fill				Soil (TaB/Fill)/fill				GR				GR			
						Beginning Depth	0				5				10				15				0				5				9.5				14.5				14.5			
						Ending Depth	0.5				5.5				10.5				15.5				0.5				5.5				10				15				15			
						Lab ID	AP90612/00C00797				AP90613/00C00798				AP90614/00C00799				AP90615/00C00780				AP90616/00C00781				AP90617/00C00782				AP90618/00C00783				AP90619/00C00784				AP90620/00C00785			
	Soil Comparison Criteria																																									
	Lab MDL	Lab RL	Background[a] GR	Background[a] 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	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
D2216 (%)																																										
Moisture							24.3				5.4				2.6				10.7				10.7				10.6				5.8				8.				6.9			
SW6010B (mg/kg)																																										
Barium	0.08	1.0	10.0	186	200	59,000	**776.45**	**J**	**5**	**5.0**	15.24	J	1	1.0	8.82	J	1	1.0	**12.12**	**M**	**1**	**1.0**	39.72	J	1	1.0	53.94	J	1	1.0	56.40	J	1	1.0	**12.60**	**M**	**1**	**1.0**	10.00	M	1	1.0
Chromium	0.1	20.0	8.1	40.2	10	350,000	20.2	J	1	20.0	7.7	J	1	20.0	5.4	J	1	20.0	**11.8**	**M**	**1**	**20.0**	10.0	J	1	20.0	13.5	J	1	20.0	18.0	J	1	20.0	**11.7**	**M**	**1**	**20.0**	**8.2**	**M**	**1**	**20.0**
Copper	0.19	2.0	13.1	23.2	130	74,000	**26.66**		**1**	**2.0**	3.63		1	2.0	1.98	F	1	2.0	2.86		1	2.0	8.35		1	2.0	**30.56**		**1**	**2.0**	17.1		1	2.0	2.37		1	2.0	2.21		1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	12.11	J	1	2.0	4.30	J	1	2.0	2.16	J	1	2.0	6.07	M	1	2.0	6.49	J	1	2.0	8.17	J	1	2.0	9.48	J	1	2.0	6.18	M	1	2.0	5.83	M	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	41,000	**124.44**		**1**	**5.0**	6.96		1	5.0	6.63		1	5.0	9.83		1	5.0	21.23		1	5.0	29.50		1	5.0	23.78		1	5.0	**11.64**		**1**	**5.0**	10.14		1	5.0
SW7060A (mg/kg)																																										
Arsenic	0.04	0.5	3.8	19.6	5	200	4.23	J	1	0.5	0.78	J	1	0.5	0.04	R	1	0.5	1.00	M	1	0.5	1.33	J	1	0.5	1.72	J	1	0.5	1.74	J	1	0.5	1.64	M	1	0.5	2.66	M	1	0.5
SW7131A (mg/kg)																																										
Cadmium	0.01	0.1	0.1	3.	0.5	410	2.09		20	2.0	0.02	F	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.20		1	0.1	0.20		1	0.1	0.14		1	0.1	0.01	U	1	0.1	0.04	F	1	0.1
SW7421 (mg/kg)																																										
Lead	0.13	0.5	5.5	84.5	1.5	1,000	34.16	J	20	10.0	3.75	J	1	0.5	1.29	J	1	0.5	2.93	M	1	0.5	5.57	J	5	2.5	7.32	J	5	2.5	4.86	J	5	2.5	3.37	M	1	0.5	0.95	M	1	0.5
SW7471A (mg/kg)																																										
Mercury	0.01	0.1	0.1	0.77	0.01	0.1	**1.52**	**B**	**1**	**0.1**	0.03	F	1	0.1	0.01	U	1	0.1	**0.13**	**B**	**1**	**0.1**	**0.77**	**B**	**1**	**0.1**	0.22	B	1	0.1	0.35	B	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1
SW8260B (mg/kg)																																										
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0004	F	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0004	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
Bromomethane	0.0007	0.005	--	--	14	4.9	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	0.007	--	--	NA	NA	0.0004	U	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	0.0013	F	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	M	1	0.007
Chloroform	0.0003	0.002	--	--	10	0.51	0.0003	U	1	0.002	0.0004	F	1	0.002	0.0005	F	1	0.002	0.0005	F	1	0.002	0.0007	F	1	0.002	0.0007	F	1	0.002	0.0005	F	1	0.002	0.0003	U	1	0.002	0.0003	U	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	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	0.0004	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	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0038	F	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	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	--	--	100	2,400	0.0016	F	1	0.005	0.0008	F	1	0.005	0.0011	F	1	0.005	0.0003	U	1	0.005	**0.0103**		**1**	**0.005**	0.0009	F	1	0.005	0.0013	F	1	0.005	0.0004	F	1	0.005	0.0004	F	1	0.005
Trichloroethene	0.001	0.010	--	--	0.5	6.6	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	0.004	--	--	3,100	3,800	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA	0.0004	U	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	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	M	1	0.007	0.0004	M	1	0.007
Xylene, o-	0.0004	0.005	--	--	100	48,000	0.0004	U	1	0.005	0.0004	U	1	0.005	0.0004	U	1	0.005	0.0004	U	1	0.0050	0.0004	U	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	0.05	F	1	0.7	0.08	F	1	0.7	0.03	M	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.40	F	1	0.7	0.04	M	1	0.7	**4.70**	**M**	**1**	**0.7**
SW8330 (mg/kg)																																										
TETRYL	0.022	0.65	--	--	NA	NA	0.022	U	1	0.65	0.022	U	1	0.65	0.19	F	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

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 DataChem Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32352, 32360, 32368, 32374
DataChem: 83-01, 83-02, 84-01, 87-01

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

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 Standards.
Boxed samples indicate results greater than RRS2 Standards.

--	No risk reduction standard or background level available
a	Background values from Revised Background Report, 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
TaB	Tarrant, gently undulating

Data Qualifiers:
B- The analyte was found in an associated blank, as well as in the sample.
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.
R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

Table B4-3
Summary of Chemical Constituents Detected in Soil, April 2000
Solid Waste Management Unit B-4

						Sample ID	B4-SB10				B4-SB10				B4-SB11				B4-SB11				B4-SB11				B4-SB11				B4-SB12				B4-SB12				B4-SB12			
						Sample Date	04/04/00				04/04/00				04/04/00				04/04/00				04/04/00				04/04/00				04/05/00				04/05/00				04/05/00			
						Sample Type	N1				N1				N1				N1				N1				N1				N1				FD1				N1			
						Soil Type	Soil (TaB/Fill)/Fill				Soil (TaB/Fill)/Fill				Soil (TaB)				Soil (TaB)				GR				GR				Soil (TaB)				Soil (TaB)				GR			
						Beginning Depth	0				4.5				0				5				9.5				15				0				0				4.5			
						Ending Depth	0.5				5				0.5				5.5				10				15.5				0.5				0.5				5			
						Lab ID	AP90625/00C00786				AP90626/00C00787				AP90627/00C00800				AP90628/00C00801				AP90629/00C00802				AP90630/00C00803				AP90679/00C00805				AP90680/00C00806				AP90681/00C00807			
	Soil Comparison Criteria																																													
	Lab MDL	**Lab RL**	**Background[a]** *GR*	**Background[a]** 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	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
D2216 (%)																																														
Moisture							15.7				7.6				10.8				2.5				3.9				5.2				16.				17.				2.5			
SW6010B (mg/kg)																																														
Barium	0.08	1.0	10.0	186	200	59,000	52.73	J	1	1.0	53.15	J	1	1.0	38.28	J	1	1.0	10.22	J	1	1.0	9.33	J	1	1.0	8.00	M	1	1.0	70.13	J	1	1.0	60.63	J	1	1.0	**15.22**	**J**	**1**	**1.0**
Chromium	0.1	20.0	8.1	40.2	10	350,000	13.4	F	1	20.0	16.1	J	1	20.0	10.3	J	1	20.0	24.6	J	1	20.0	**26.2**	**J**	**1**	**20.0**	**14.0**	**M**	**1**	**20.0**	16.0	F	1	20.0	15.2	F	1	20.0	4.1	F	1	20.0
Copper	0.19	2.0	13.1	23.2	130	74,000	**27.37**		**1**	**2.0**	19.19		1	2.0	10.16		1	2.0	2.53		1	2.0	3.38		1	2.0	3.26		1	2.0	9.23	J	1	2.0	9.23	J	1	2.0	2.46	J	1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	8.35	J	1	2.0	9.45	J	1	2.0	6.91	J	1	2.0	13.20	J	1	2.0	**11.89**	**J**	**1**	**2.0**	5.86	M	1	2.0	9.63	J	1	2.0	8.67	J	1	2.0	3.29	J	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	41,000	30.52		1	5.0	65.55		1	5.0	21.47		1	5.0	5.88		1	5.0	9.38		1	5.0	9.97		1	5.0	23.48	J	1	5.0	21.76	J	1	5.0	5.98	J	1	5.0
SW7060A (mg/kg)																																														
Arsenic	0.04	0.5	3.8	19.6	5	200	1.46	J	1	0.5	1.59	J	1	0.5	1.65	J	1	0.5	0.22	J	1	0.5	0.05	F	1	0.5	0.04	R	1	0.5	3.79	J	1	0.5	3.70	J	1	0.5	0.52	J	1	0.5
SW7131A (mg/kg)																																														
Cadmium	0.01	0.1	0.1	3.	0.5	410	1.20		5	0.5	0.64		5	0.5	0.16		1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.24		1	0.1	0.22		1	0.1	0.01	U	1	0.1
SW7421 (mg/kg)																																														
Lead	0.13	0.5	5.5	84.5	1.5	1,000	7.35	J	5	2.5	6.02	J	5	2.5	4.87	J	1	0.5	0.94	J	1	0.5	1.75	J	1	0.5	1.28	M	1	0.5	6.14	J	5	2.5	8.18	J	5	2.5	0.63	J	1	0.5
SW7471A (mg/kg)																																														
Mercury	0.01	0.1	0.1	0.77	0.01	0.1	**1.17**	**B**	**1**	**0.1**	**9.32**	**B**	**10**	**1.0**	**0.92**	**B**	**1**	**0.1**	0.07	F	1	0.1	**0.06**	**F**	**1**	**0.1**	**0.05**	**F**	**1**	**0.1**	0.10	J	1	0.1	0.13	J	1	0.1	**0.06**	**F**	**1**	**0.1**
SW8260B (mg/kg)																																														
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	1	0.002	0.0004	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	0.0003	U	1	0.002	0.0006	F	1	0.002	0.0003	U	1	0.002
Bromomethane	0.0007	0.005	--	--	14	4.9	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	0.007	--	--	NA	NA	0.0004	U	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	0.0004	M	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Chloroform	0.0003	0.002	--	--	10	0.51	0.0003	U	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	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	--	--	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	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	0.0004	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	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	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	--	--	100	2,400	0.0008	F	1	0.005	0.0014	F	1	0.005	0.0020	F	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0004	F	1	0.005	0.0014	F	1	0.005	**0.0092**		**1**	**0.005**	0.0003	U	1	0.005
Trichloroethene	0.001	0.010	--	--	0.5	6.6	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	0.004	--	--	3,100	3,800	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA	0.0004	U	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	0.0004	M	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Xylene, o-	0.0004	0.005	--	--	100	48,000	0.0004	U	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	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	0.03	U	1	0.7	0.08	F	1	0.7	0.03	U	1	0.7	**14.00**		**10**	**7.0**	**6.90**		**10**	**7.0**	**2.20**		**5**	**3.5**	0.03	U	1	0.7	0.03	U	1	0.7	0.04	F	1	0.7
SW8330 (mg/kg)																																														
TETRYL	0.022	0.65	--	--	NA	NA	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

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 DataChem Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32352, 32360, 32368, 32374
DataChem: 83-01, 83-02, 84-01, 87-01

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

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 Standards.
Boxed samples indicate results greater than RRS2 Standards.

--	No risk reduction standard or background level available
a	Background values from Revised Background Report, 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
TaB	Tarrant, gently undulating

Data Qualifiers:
B- The analyte was found in an associated blank, as well as in the sample.
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.
R - The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

Table B4-3
Summary of Chemical Constituents Detected in Soil, April 2000
Solid Waste Management Unit B-4

						Sample ID	B4-SB12				B4-SB12				B4-SB13				B4-SB13				B4-SB13				B4-SB13				B4-SB14				B4-SB14				B4-SB14			
						Sample Date	04/05/00				04/05/00				04/05/00				04/05/00				04/05/00				04/05/00				04/05/00				04/05/00				04/05/00			
						Sample Type	N1				N1				N1				N1				N1				N1				N1				N1				N1			
						Soil Type	GR				GR				Soil (TaB)				GR				GR				GR				Soil (TaB)				GR				GR			
						Beginning Depth	10				15				0				4.5				10				14.5				0				4.5				8			
						Ending Depth	10.5				15.5				0.5				5				10.5				15				0.5				5				10			
						Lab ID	AP9068200C00808				AP90683/00C00809				AP90684/00C00810				AP90685/00C00811				AP90686/00C00812				AP90687/00C00813				AP90688/00C00814				AP90689/00C00815				AP90690/00C00816			
	Soil Comparison Criteria																																									
	Lab MDL	Lab RL	Background[a] *GR*	Background[a] 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	Results	Flags	Dilution	SQL	Results	Flags	Diliution	SQL	Results	Flags	Diliution	SQL
D2216 (%)																																										
Moisture							11.4				9.2				16.6				11.5				6.4				0.				17.5				10.5				7.			
SW6010B (mg/kg)																																										
Barium	0.08	1.0	10.0	186	200	59,000	9.21	J	1	1.0	6.77	J	1	1.0	43.48	J	1	1.0	9.82	J	1	1.0	**30.19**	**J**	**1**	**1.0**	7.05	J	1	1.0	56.67	J	1	1.0	8.86	J	1	1.0	7.27	J	1	1.0
Chromium	0.1	20.0	8.1	40.2	10	350,000	8.7	F	1	20.0	7.0	F	1	20.0	13.7	F	1	20.0	4.9	F	1	20.0	6.4	F	1	20.0	4.4	F	1	20.0	17.3	F	1	20.0	7.0	F	1	20.0	6.7	M	1	20.0
Copper	0.19	2.0	13.1	23.2	130	74,000	3.79	J	1	2.0	2.16	J	1	2.0	7.21	J	1	2.0	3.10	J	1	2.0	2.82	J	1	2.0	1.99	F	1	2.0	9.10	J	1	2.0	3.26	J	1	2.0	2.89		1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	4.33	J	1	2.0	4.66	J	1	2.0	9.26	J	1	2.0	5.58	J	1	2.0	6.23	J	1	2.0	2.62	J	1	2.0	9.61	J	1	2.0	3.36	J	1	2.0	4.90	M	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	41,000	7.82	J	1	5.0	6.71	J	1	5.0	18.07	J	1	5.0	7.15	J	1	5.0	7.23	J	1	5.0	7.02	J	1	5.0	20.61	J	1	5.0	**11.91**	**J**	**1**	**5.0**	8.92		1	5.0
SW7060A (mg/kg)																																										
Arsenic	0.04	0.5	3.8	19.6	5	200	0.91	J	1	0.5	0.10	M	1	0.5	2.28	J	1	0.5	0.32	F	1	0.5	0.04	J	1	0.5	0.04	J	1	0.5	2.58	J	1	0.5	0.07	F	1	0.5	0.44	F	1	0.5
SW7131A (mg/kg)																																										
Cadmium	0.01	0.1	0.1	3.	0.5	410	0.01	U	1	0.1	0.01	U	1	0.1	0.14		1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.03	F	1	0.1	0.15		1	0.1	0.02	F	1	0.1	0.04	F	1	0.1
SW7421 (mg/kg)																																										
Lead	0.13	0.5	5.5	84.5	1.5	1,000	2.82	J	1	0.5	2.09	J	1	0.5	5.62	J	5	2.5	1.42	J	1	0.5	2.74	J	1	0.5	1.50	J	1	0.5	6.98	J	5	2.5	2.41	J	1	0.5	2.63	J	1	0.5
SW7471A (mg/kg)																																										
Mercury	0.01	0.1	0.1	0.77	0.01	0.1	0.03	F	1	0.1	0.04	F	1	0.1	0.10	J	1	0.1	0.04	F	1	0.1	0.05	F	1	0.1	0.01	R	1	0.1	0.07	F	1	0.1	0.01	R	1	0.1	0.01	R	1	0.1
SW8260B (mg/kg)																																										
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	1	0.002	0.0003	M	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	M	1	0.002	0.0004	U	1	0.0020	0.0003	U	1	0.002	0.0003	U	1	0.002
Bromomethane	0.0007	0.005	--	--	14	4.9	0.0007	U	1	0.005	0.0007	M	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	M	1	0.005	0.0007	U	1	0.0050	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	0.007	--	--	NA	NA	0.0004	U	1	0.007	0.0004	M	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	M	1	0.007	0.0004	U	1	0.0070	0.0004	U	1	0.007	0.0004	U	1	0.007
Chloroform	0.0003	0.002	--	--	10	0.51	0.0003	U	1	0.002	0.0003	M	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	M	1	0.002	0.0003	U	1	0.0020	0.0003	U	1	0.002	0.0003	U	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	0.0008	U	1	0.005	0.0008	U	1	0.005	0.0008	U	1	0.0050	0.0008	U	1	0.005	0.0008	U	1	0.005
Ethylbenzene	0.0004	0.003	--	--	70	6,900	0.0004	U	1	0.003	0.0004	M	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	M	1	0.003	0.0004	U	1	0.0030	0.0004	U	1	0.003	0.0004	U	1	0.003
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0007	U	1	0.005	0.0010	F	1	0.005	**0.0118**	**B**	**1**	**0.005**	0.0031	F	1	0.005	0.0009	F	1	0.005	0.0007	U	1	0.005	**0.0093**	**B**	**1**	**0.0050**	0.0023	F	1	0.005	0.0029	F	1	0.005
Toluene	0.0003	0.005	--	--	100	2,400	0.0003	U	1	0.005	0.0003	M	1	0.005	0.0004	F	1	0.005	0.0006	F	1	0.005	0.0016	F	1	0.005	0.0011	M	1	0.005	0.0011	F	1	0.0050	0.0006	F	1	0.005	0.0003	U	1	0.005
Trichloroethene	0.001	0.010	--	--	0.5	6.6	0.001	U	1	0.010	0.001	M	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	M	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	0.004	--	--	3,100	3,800	0.0009	U	1	0.004	0.0009	M	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	M	1	0.004	0.0009	U	1	0.0040	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA	0.0004	U	1	0.007	0.0004	M	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	M	1	0.007	0.0004	U	1	0.0070	0.0004	U	1	0.007	0.0004	U	1	0.007
Xylene, o-	0.0004	0.005	--	--	100	48,000	0.0004	U	1	0.005	0.0004	M	1	0.005	0.0004	U	1	0.005	0.0004	U	1	0.005	0.0004	U	1	0.005	0.0004	M	1	0.005	0.0004	U	1	0.0050	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	0.03	U	1	0.7	0.03	M	1	0.7	0.03	U	1	0.7	0.14	F	1	0.7	0.03	U	1	0.7	0.05	M	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
SW8330 (mg/kg)																																										
TETRYL	0.022	0.65	--	--	NA	NA	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

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 DataChem Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32352, 32360, 32368, 32374
DataChem: 83-01, 83-02, 84-01, 87-01

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

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 Standards.
Boxed samples indicate results greater than RRS2 Standards.

--	No risk reduction standard or background level available
a	Background values from Revised Background Report, 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
TaB	Tarrant, gently undulating

Data Qualifiers:
B- The analyte was found in an associated blank, as well as in the sample.
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.
R - The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria

Table B4-3
Summary of Chemical Constituents Detected in Soil, April 2000
Solid Waste Management Unit B-4

						Sample ID	B4-SB14				B4-SB14				B4-SB15				B4-SB15				B4-SB15				B4-SB15				B4-SB16				B4-SB16				B4-SB16			
						Sample Date	04/05/00				04/05/00				04/06/00				04/06/00				04/06/00				04/06/00				04/06/00				04/06/00				04/06/00			
						Sample Type	FD1				N1				N1				N1				N1				N1				N1				FD1				N1			
						Soil Type	GR				GR				Soil (TaB)				Soil (TaB)				GR				GR				Soil (TaB)				Soil (TaB)				GR			
						Beginning Depth	8				15				0				5				9				16.5				0				0				5			
						Ending Depth	10				16				0.5				5.5				9.5				17				0.5				0.5				5.5			
						Lab ID	AP90691/00C00817				AP90693/00C00818				AP90709/00C00838				AP90710/00C00839				AP90711/00C00840				AP90712/00C00841				AP90713/00C00843				AP90714/00C00842				AP90715/00C00844			
	Soil Comparison Criteria																																									
	Lab MDL	**Lab RL**	**Background[a]** *GR*	**Background[a]** 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	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
D2216 (%)																																										
Moisture							5.7				14.9				18.2				13.3				6.1				19.7				16.9				18.1				4.9			
SW6010B (mg/kg)																																										
Barium	0.08	1.0	10.0	186	200	59,000	7.32	J	1	1.0	**14.18**	**J**	**1**	**1.0**	68.83	J	1	1.0	94.59	J	1	1.0	**10.47**	**J**	**1**	**1.0**	**23.70**	**J**	**1**	**1.0**	70.63	J	1	1.0	66.14	J	1	1.0	7.80	J	1	1.0
Chromium	0.1	20.0	8.1	40.2	10	350,000	6.7	F	1	20.0	**14.6**	**F**	**1**	**20.0**	19.	F	1	20.0	24.1		1	20.0	**8.9**	**F**	**1**	**20.0**	**18.5**	**F**	**1**	**20.0**	17.7	F	1	20.0	15.4	F	1	20.0	7.2	F	1	20.0
Copper	0.19	2.0	13.1	23.2	130	74,000	2.35	J	1	2.0	**11.75**	**J**	**1**	**2.0**	13.59		1	2.0	20.36		1	2.0	3.48		1	2.0	**13.09**		**1**	**2.0**	20.73		1	2.0	21.05		1	2.0	2.58		1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	4.63	J	1	2.0	**14.25**	**J**	**1**	**2.0**	11.81	J	1	2.0	13.41	J	1	2.0	5.32	J	1	2.0	**15.44**	**J**	**1**	**2.0**	10.06	J	1	2.0	9.15	J	1	2.0	3.09	J	1	2.0
Zinc	0.63	5.0	11.3	73.2	3,100	41,000	**12.05**	**J**	**1**	**5.0**	**15.31**	**J**	**1**	**5.0**	30.40		1	5.0	34.90		1	5.0	**15.54**		**1**	**5.0**	**19.30**		**1**	**5.0**	62.98		1	5.0	58.69		1	5.0	7.59		1	5.0
SW7060A (mg/kg)																																										
Arsenic	0.04	0.5	3.8	19.6	5	200	0.17	F	1	0.5	2.54	M	1	0.5	4.06	J	1	0.5	2.84	M	1	0.5	0.05	F	1	0.5	2.17	J	1	0.5	4.72	J	5	2.5	3.10	J	1	0.5	0.04	M	1	0.5
SW7131A (mg/kg)																																										
Cadmium	0.01	0.1	0.1	3.	0.5	410	0.02	F	1	0.1	**0.12**		**1**	**0.1**	0.28		1	0.1	0.18		1	0.1	0.04	F	1	0.1	0.09	F	1	0.1	**1.14**		**5**	**0.5**	**1.33**		**5**	**0.5**	0.02	F	1	0.1
SW7421 (mg/kg)																																										
Lead	0.13	0.5	5.5	84.5	1.5	1,000	2.31	J	1	0.5	4.17	J	1	0.5	12.52	J	5	2.5	9.49	J	5	2.5	2.43	J	1	0.5	3.71	J	1	0.5	16.28	J	5	2.5	23.79	J	5	2.5	2.03	J	1	0.5
SW7471A (mg/kg)																																										
Mercury	0.01	0.1	0.1	0.77	0.01	0.1	0.01	R	1	0.1	0.02	F	1	0.1	0.42	J	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	**5.91**	**J**	**10**	**1.0**	**7.00**	**J**	**10**	**1.0**	0.04	F	1	0.1
SW8260B (mg/kg)																																										
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	1	0.002	0.0004	M	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	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Bromomethane	0.0007	0.005	--	--	14	4.9	0.0007	U	1	0.005	0.0007	M	1	0.005	0.0009	F	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	0.007	--	--	NA	NA	0.0004	U	1	0.007	0.0004	M	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	0.0004	U	1	0.007	0.0004	U	1	0.007	0.0004	U	1	0.007
Chloroform	0.0003	0.002	--	--	10	0.51	0.0003	U	1	0.002	0.0003	M	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	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	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	0.0008	U	1	0.005	0.0008	U	1	0.005	**0.0144**		**1**	**0.005**	0.0008	U	1	0.005	0.0008	U	1	0.005
Ethylbenzene	0.0004	0.003	--	--	70	6,900	0.0004	U	1	0.003	0.0004	M	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	0.0004	U	1	0.003	0.0004	U	1	0.003	0.0004	U	1	0.003
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0032	F	1	0.005	**0.0055**	**B**	**1**	**0.005**	0.0035	F	1	0.005	0.0021	F	1	0.005	0.0018	F	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0019	F	1	0.005
Toluene	0.0003	0.005	--	--	100	2,400	0.0003	U	1	0.005	0.0008	M	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005
Trichloroethene	0.001	0.010	--	--	0.5	6.6	0.001	U	1	0.010	0.001	M	1	0.010	0.002	F	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	0.004	--	--	3,100	3,800	0.0009	U	1	0.004	0.0009	M	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0022	F	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA	0.0004	U	1	0.007	0.0004	M	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	0.0004	U	1	0.007	0.0005	F	1	0.007	0.0004	U	1	0.007
Xylene, o-	0.0004	0.005	--	--	100	48,000	0.0004	U	1	0.005	0.0004	M	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	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	0.03	U	1	0.7	0.03	M	1	0.7	0.04	F	1	0.7	0.05	F	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.11	F	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
SW8330 (mg/kg)																																										
TETRYL	0.022	0.65	--	--	NA	NA	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

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 DataChem Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32352, 32360, 32368, 32374
DataChem: 83-01, 83-02, 84-01, 87-01

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

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 Standards.
Boxed samples indicate results greater than RRS2 Standards.

--	No risk reduction standard or background level available
a	Background values from Revised Background Report, 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
TaB	Tarrant, gently undulating

Data Qualifiers:
B- The analyte was found in an associated blank, as well as in the sample.
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.
R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria

Table B4-3
Summary of Chemical Constituents Detected in Soil, April 2000
Solid Waste Management Unit B-4

						Sample ID	B4-SB16				B4-SB16				B4-SB17				B4-SB17				B4-SB17				B4-SB17				B4-SB17			
						Sample Date	04/06/00				04/06/00				04/06/00				04/06/00				04/06/00				04/06/00				04/06/00			
						Sample Type	N1				N1				N1				N1				FD1				N1				N1			
						Soil Type	GR				GR				Soil (TaB)				GR				GR				GR				GR			
						Beginning Depth	9.5				14.5				0				4				4				13				18.5			
						Ending Depth	10				15				0.5				6				6				13.5				19			
						Lab ID	AP90716/00C00845				AP90717/00C00846				AP90718/00C00847				AP90721/00C00834				AP90722/00C00835				AP90725/00C00836				AP90726/00C00837			
	Soil Comparison Criteria																																	
	Lab MDL	Lab RL	Background[a] *GR*	Background[a] 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	Results	Flags	Dilution	SQL
D2216 (%)																																		
Moisture							6.3				10.5				14.3				6.				6.3				8.4				11.7			
SW6010B (mg/kg)																																		
Barium	0.08	1.0	10.0	186	200	59,000	**13.31**	**J**	**1**	**1.0**	**12.42**	**J**	**1**	**1**	23.36	J	1	1.0	8.49	J	1	1.0	6.83	J	1	1.0	10.01	J	1	1.0	**10.77**	**J**	**1**	**1.0**
Chromium	0.1	20.0	8.1	40.2	10	350,000	**9.0**	**F**	**1**	**20.0**	8.1	F	1	20	11.6	F	1	20.0	**8.2**	**F**	**1**	**20.0**	6.9	F	1	20.0	7.9	F	1	20.0	**10.4**	**F**	**1**	**20.0**
Copper	0.19	2.0	13.1	23.2	130	74,000	4.00		1	2.0	5.61		1	2	7.43		1	2.0	2.97		1	2.0	2.81		1	2.0	6.41		1	2.0	6.57		1	2.0
Nickel	0.12	2.0	6.8	35.5	200	12,000	4.48	J	1	2.0	5.03	J	1	2	6.65	J	1	2.0	2.74	J	1	2.0	3.04	J	1	2.0	4.43	J	1	2.0	**7.30**	**J**	**1**	**2.0**
Zinc	0.63	5.0	11.3	73.2	3,100	41,000	8.84		1	5.0	**12.03**		**1**	**5**	16.16		1	5.0	8.21		1	5.0	7.19		1	5.0	8.94		1	5.0	7.88		1	5.0
SW7060A (mg/kg)																																		
Arsenic	0.04	0.5	3.8	19.6	5	200	0.46	F	1	0.5	2.16	J	1	0.5	0.89	J	1	0.5	0.20	M	5	2.50	0.2	M	1	0.5	0.99	J	1	0.5	2.42	J	1	0.5
SW7131A (mg/kg)																																		
Cadmium	0.01	0.1	0.1	3.	0.5	410	0.01	U	1	0.1	0.01	U	1	0.1	0.07	F	1	0.1	0.02	F	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1
SW7421 (mg/kg)																																		
Lead	0.13	0.5	5.5	84.5	1.5	1,000	3.46	J	1	0.5	4.45	J	1	0.5	4.68	J	1	0.5	1.68	J	1	0.5	2.64	J	1	0.5	2.70	J	1	0.5	4.51	J	1	0.5
SW7471A (mg/kg)																																		
Mercury	0.01	0.1	0.1	0.77	0.01	0.1	0.01	U	1	0.1	0.01	U	1	0.1	0.1	J	1	0.1	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)																																		
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	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	0.0003	U	1	0.002	0.0008	F	1	0.002
Bromomethane	0.0007	0.005	--	--	14	4.9	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005
Butylbenzene, sec-	0.0004	0.007	--	--	NA	NA	0.0004	U	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	0.0004	U	1	0.007	0.0004	U	1	0.007
Chloroform	0.0003	0.002	--	--	10	0.51	0.0003	U	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	0.0003	U	1	0.002	0.0003	U	1	0.002
Dichlorodifluoromethane	0.0008	0.005	--	--	2,000	3,100	0.0041	F	1	0.005	**0.0096**		**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	0.0008	U	1	0.005
Ethylbenzene	0.0004	0.003	--	--	70	6,900	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	0.0004	U	1	0.003	0.0005	F	1	0.003
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0020	F	1	0.005	0.0018	F	1	0.005	0.0029	F	1	0.005	0.0017	F	1	0.005	0.0007	U	1	0.005
Toluene	0.0003	0.005	--	--	100	2,400	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0034	F	1	0.005
Trichloroethene	0.001	0.010	--	--	0.5	6.6	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010	0.001	U	1	0.010
Trichlorofluoromethane	0.0009	0.004	--	--	3,100	3,800	0.0009	U	1	0.004	0.0015	F	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004	0.0009	U	1	0.004
Trimethylbenzene, 1,2,4-	0.0004	0.007	--	--	NA	NA	0.0004	U	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	0.0004	U	1	0.007	0.0004	U	1	0.007
Xylene, o-	0.0004	0.005	--	--	100	48,000	0.0004	U	1	0.005	0.0004	U	1	0.005	0.0004	U	1	0.005	0.0004	U	1	0.0050	0.0004	U	1	0.005	0.0004	U	1	0.0050	0.0006	F	1	0.005
SW8270C (mg/kg)																																		
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	0.04	F	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
SW8330 (mg/kg)																																		
TETRYL	0.022	0.65	--	--	NA	NA	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65	0.022	U	1	0.65

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 DataChem Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32352, 32360, 32368, 32374
DataChem: 83-01, 83-02, 84-01, 87-01

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

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 Standards.
Boxed samples indicate results greater than RRS2 Standards.

-- No risk reduction standard or background level available
a Background values from Revised Background Report, 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
TaB Tarrant, gently undulating

Data Qualifiers:
B- The analyte was found in an associated blank, as well as in the sample.
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.
R - The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria