Table B12-1
Summary of Chemical Constituents Detected in Soil, March 2000
Solid Waste Management Unit B-12

Sample ID						RW-B12-SB01				RW-B12-SB01				RW-B12-SB01				RW-B12-SB01				RW-B12-SB02			
Sample Date						03/15/00				03/15/00				03/15/00				03/15/00				03/15/00			
Sample Type						N1				N1				FD1				N1				N1			
Soil Type						Soil (BrE)				GR				GR				GR				GR			
Beginning Depth						0.5				3.5				3.5				9				0.5			
Ending Depth						1				4				4				9.5				1			
Lab ID						AP89910 / Q0829				AP89911 / Q0830				Q0831				AP89912 / Q0832				AP89913 / Q0833			
	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
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SW6010B (mg/kg)																										
Barium	0.044	1.0	186	10.	200	59,000	8.0	J	5	5.0	7.1	J	5	5.0	5.4	J	5	5.0	6.7	J	5	5.0	**10.8**	**J**	**5**	**5.0**
Chromium	0.078	20.0	40.2	8.1	10	350,000	5.2	F	5	100.0	6.1	F	5	100.0	4.5	F	5	100.0	6.0	F	5	100.0	5.3	F	5	100.0
Copper	0.072	2.0	23.2	13.1	130	74,000	3.9	F	5	10.0	2.8	F	5	10.0	4.7	F	5	10.0	2.7	F	5	10.0	5.0	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12,000	4.4	F	5	10.0	6.0	F	5	10.0	**10.6**		**5**	**10.0**	3.0	F	5	10.0	4.0	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3,100	410,000	66.4	J	5	10.0	**19.2**	**J**	**5**	**10.0**	**16.1**	**J**	**5**	**10.0**	**14.7**	**J**	**5**	**10.0**	**21.8**	**J**	**5**	**10.0**
SW7060A (mg/kg)																										
Arsenic	0.032	0.5	19.6	3.8	5	200	2.13	J	1	0.5	2.05	J	1	0.5	2.86	J	1	0.5	1.16	J	1	0.5	1.95	J	1	0.5
SW7131A (mg/kg)																										
Cadmium	0.022	0.1	3.	0.1	0.5	410	0.15		1	0.1	0.04	F	1	0.1	0.03	F	1	0.1	0.03	F	1	0.1	0.04	F	1	0.1
SW7421 (mg/kg)																										
Lead	0.069	0.5	84.5	5.5	1.5	1,000	8.97	J	5	2.5	2.01	J	1	0.5	2.79	J	1	0.5	2.32	J	1	0.5	**7.08**	**J**	**2**	**1.0**
SW7471A (mg/kg)																										
Mercury	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)																										
Bromobenzene	0.0003	0.002	--	--	NA	NA	0.0003	U	1	0.002	0.0003	U	1	0.002					0.0003	U	1	0.002	0.0003	U	1	0.002
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
Naphthalene	0.001	0.02	--	--	200	270	0.001	U	1	0.02	0.001	U	1	0.02					0.001	U	1	0.02	0.001	U	1	0.02
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
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	--	NA	NA	0.0008	U	1	0.004	0.0008	U	1	0.004					0.0008	U	1	0.004	0.0008	U	1	0.004
SW8270C (mg/kg)																										
Acenaphthene	0.04	0.7	--	--	610	53,000	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Anthracene	0.04	0.7	--	--	3,100	270,000	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Benzo(a)anthracene	0.04	0.7	--	--	0.039	3.4	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Benzo(a)pyrene	0.05	0.7	--	--	0.02	0.34	0.05	U	1	0.7	0.05	U	1	0.7					0.05	U	1	0.7	0.05	U	1	0.7
Benzo(b)fluoranthene	0.06	0.7	--	--	0.39	34	0.06	U	1	0.7	0.06	U	1	0.7					0.06	U	1	0.7	0.06	U	1	0.7
Benzo(g,h,i)perylene	0.04	0.7	--	--	310	27,000	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	0.03	U	1	0.7	**13.00**		**5**	**3.5**					**6.60**		**2**	**1.4**	0.03	U	1	0.7
Chrysene	0.04	0.7	--	--	3.9	340	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Fluoranthene	0.04	0.7	--	--	410	36,000	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Indeno(1,2,3-cd)pyrene	0.04	0.7	--	--	0.039	3.4	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Napthalene	0.04	0.7	--	--	200	270	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Phenanthrene	0.04	0.7	--	--	310	27,000	0.04	U	1	0.7	0.04	U	1	0.7					0.04	U	1	0.7	0.04	U	1	0.7
Phenol	0.04	0.3	--	--	6,100	610,000	0.04	U	1	0.3	0.15	F	1	0.3					0.07	F	1	0.3	0.04	U	1	0.3
Pyrene	0.05	0.7	--	--	310	27,000	0.05	U	1	0.7	0.05	U	1	0.7					0.05	U	1	0.7	0.05	U	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.: 32237
O'Brien and Gere: 4975, 5012
All MS/MSD results are presented in the Data Verification Report, Appendix D.

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.
--   No risk reduction standard or background level available
a   Background values from Second Revised Background Report, 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.
M - A matrix effect was present.

Table B12-1
Summary of Chemical Constituents Detected in Soil, March 2000
Solid Waste Management Unit B-12

							Sample ID: RW-B12-SB02				RW-B12-SB02				RW-B12-SB02				RW-B12-SB03				RW-B12-SB03			
							Sample Date: 03/15/00				03/15/00				03/15/00				03/15/00				03/15/00			
							Sample Type: FD1				N1				N1				N1				N1			
							Soil Type: Soil (BrE)				GR				GR				Soil (BrE)				GR			
							Beginning Depth: 0.5				5.5				9.5				1				6			
							Ending Depth: 1				6				10				1.5				6.5			
							Lab ID: AP89916				AP89921 / Q0834				AP89922 / Q0835				AP89924 / Q0836				AP89925 / Q0837			
	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	0.044	1.0	186	10.	200	59,000					2.9	F	5	5.0	6.0	J	5	5.0	32.2	J	5	5.0	7.9	J	5	5.0
Chromium	0.078	20.0	40.2	8.1	10	350,000					2.7	F	5	100.0	6.0	F	5	100.0	6.8	F	5	100.0	6.5	F	5	100.0
Copper	0.072	2.0	23.2	13.1	130	74,000					1.2	F	5	10.0	2.0	F	5	10.0	8.3	F	5	10.0	2.3	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12,000					2.6	F	5	10.0	3.6	F	5	10.0	6.1	F	5	10.0	5.9	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3,100	410,000					10.1	J	5	10.0	11.2	J	5	10.0	36.6	J	5	10.0	11.2	J	5	10.0
SW7060A (mg/kg)																										
Arsenic	0.032	0.5	19.6	3.8	5	200					0.79	J	1	0.5	0.89	J	1	0.5	1.77	J	1	0.5	3.25	J	1	0.5
SW7131A (mg/kg)																										
Cadmium	0.022	0.1	3.	0.1	0.5	410					0.03	F	1	0.1	0.03	F	1	0.1	0.10	F	1	0.1	0.03	F	1	0.1
SW7421 (mg/kg)																										
Lead	0.069	0.5	84.5	5.5	1.5	1,000					0.87	J	1	0.5	1.74	J	1	0.5	53.04	J	20	10.0	4.03	J	1	0.5
SW7471A (mg/kg)																										
Mercury	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
SW8260B (mg/kg)																										
Bromobenzene	0.0003	0.002	--	--	NA	NA	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
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
Naphthalene	0.001	0.02	--	--	200	270	0.001	U	1	0.02	0.001	U	1	0.02	0.001	U	1	0.02	0.001	U	1	0.02	0.001	U	1	0.02
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	0.0006	F	1	0.005	0.0003	U	1	0.005
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	--	NA	NA	0.0008	U	1	0.004	0.0008	U	1	0.004	0.0008	U	1	0.004	0.0008	U	1	0.004	0.0008	U	1	0.004
SW8270C (mg/kg)																										
Acenaphthene	0.04	0.7	--	--	610	53,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Anthracene	0.04	0.7	--	--	3,100	270,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Benzo(a)anthracene	0.04	0.7	--	--	0.039	3.4	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Benzo(a)pyrene	0.05	0.7	--	--	0.02	0.34	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7
Benzo(b)fluoranthene	0.06	0.7	--	--	0.39	34	0.06	U	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7
Benzo(g,h,i)perylene	0.04	0.7	--	--	310	27,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	0.05	F	1	0.7	**3.00**		**1**	**0.7**	**3.90**		**5**	**3.5**	0.03	U	1	0.7	3.10	F	5	3.5
Chrysene	0.04	0.7	--	--	3.9	340	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Fluoranthene	0.04	0.7	--	--	410	36,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Indeno(1,2,3-cd)pyrene	0.04	0.7	--	--	0.039	3.4	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Napthalene	0.04	0.7	--	--	200	270	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Phenanthrene	0.04	0.7	--	--	310	27,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Phenol	0.04	0.3	--	--	6,100	610,000	0.04	U	1	0.3	0.04	U	1	0.3	0.04	U	1	0.3	0.04	U	1	0.3	0.04	U	1	0.3
Pyrene	0.05	0.7	--	--	310	27,000	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	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.: 32237
O'Brien and Gere: 4975, 5012
All MS/MSD results are presented in the Data Verification Report, Appendix D.

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.
--   No risk reduction standard or background level available
a   Background values from Second Revised Background Report, 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.
M - A matrix effect was present.

				Soil Comparison Critera				Sample ID	RW-B12-SB03				RW-B12-SB04				RW-B12-SB04				RW-B12-SB04				RW-B12-SB04			
								Sample Date	03/15/00				03/15/00				03/15/00				03/15/00				03/15/00			
								Sample Type	N1				N1				N1				FD1				N1			
								Soil Type	GR				Soil (BrE)				GR				GR				GR			
								Beginning Depth	10				0				4.5				4.5				9			
								Ending Depth	10.5				0.5				5				5				9.5			
								Lab ID	AP89926 / Q0838				AP89927				AP89928 / Q0840				AP89929 / Q0841				AP89931 / Q0842			
	Lab MDL	Lab RL	Backgrounda Soil	Backgrounda 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	0.044	1.0	186	10.	200	59,000			2.6	F	5	2.6	208.8	J	5	5.0	3.7	F	5	5.0	6.1	J	5	5.0	5.3	J	5	5.0
Chromium	0.078	20.0	40.2	8.1	10	350,000			2.4	F	5	100.0	13.2	F	5	100.0	2.3	F	5	100.0	4.3	F	5	100.0	4.3	F	5	100.0
Copper	0.072	2.0	23.2	13.1	130	74,000			0.9	F	5	10.0	54.4		5	10.0	3.0	F	5	10.0	5.3	F	5	10.0	3.3	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12,000			1.5	F	5	10.0	11.5		5	10.0	4.1	F	5	10.0	7.0	F	5	10.0	3.5	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3,100	410,000			15.9	J	5	10.0	182.5	J	5	10.0	25.8	M	5	10.0	10.8	M	5	10.0	12.8	J	5	10.0
SW7060A (mg/kg)																												
Arsenic	0.032	0.5	19.6	3.8	5	200			0.73	J	1	0.5	6.99	J	5	2.5	2.36	M	1	0.5	1.75	M	1	0.5	1.96	J	1	0.5
SW7131A (mg/kg)																												
Cadmium	0.022	0.1	3.	0.1	0.5	410			0.03	F	1	0.1	0.51		1	0.1	0.022	U	1	0.1	0.022	U	1	0.1	0.022	U	1	0.1
SW7421 (mg/kg)																												
Lead	0.069	0.5	84.5	5.5	1.5	1,000			0.90	J	1	0.5	773.2	J	400	200.0	2.11	M	1	0.5	1.64	M	1	0.5	2.01	J	1	0.5
SW7471A (mg/kg)																												
Mercury	0.024	0.1	0.77	0.1	0.2	9.6			0.024	U	1	0.1	0.65		1	0.1	0.024	M	1	0.1	0.024	M	1	0.1	0.024	U	1	0.1
SW8260B (mg/kg)																												
Bromobenzene	0.0003	0.002	--	--	NA	NA			0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0004	F	1	0.002
Methylene chloride	0.0007	0.005	--	--	0.5	16			0.0007	U	1	0.005	0.0007	U	1	0.005	0.0012	F	1	0.005	0.0007	U	1	0.005	0.0011	F	1	0.005
Naphthalene	0.001	0.02	--	--	200	270			0.001	U	1	0.02	0.001	U	1	0.02	0.002	F	1	0.02	0.001	U	1	0.02	0.001	U	1	0.02
Toluene	0.0003	0.005	--	--	100	2,400			0.0003	U	1	0.005	0.0006	F	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	--	NA	NA			0.0008	U	1	0.004	0.0008	U	1	0.004	0.0012	F	1	0.004	0.0008	U	1	0.004	0.0008	U	1	0.004
SW8270C (mg/kg)																												
Acenaphthene	0.04	0.7	--	--	610	53,000			0.04	U	1	0.7	0.07	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Anthracene	0.04	0.7	--	--	3,100	270,000			0.04	U	1	0.7	0.08	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Benzo(a)anthracene	0.04	0.7	--	--	0.039	3.4			0.04	U	1	0.7	0.35	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Benzo(a)pyrene	0.05	0.7	--	--	0.02	0.34			0.05	U	1	0.7	0.35	F	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7
Benzo(b)fluoranthene	0.06	0.7	--	--	0.39	34			0.06	U	1	0.7	0.59	F	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7
Benzo(g,h,i)perylene	0.04	0.7	--	--	310	27,000			0.04	U	1	0.7	0.19	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65			8.90		10	7.0	0.24	F	1	0.7	3.30	F	5	3.5	3.90		5	3.5	3.50		5	3.5
Chrysene	0.04	0.7	--	--	3.9	340			0.04	U	1	0.7	0.37	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Fluoranthene	0.04	0.7	--	--	410	36,000			0.04	U	1	0.7	0.75		1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Indeno(1,2,3-cd)pyrene	0.04	0.7	--	--	0.039	3.4			0.04	U	1	0.7	0.12	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Napthalene	0.04	0.7	--	--	200	270			0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Phenanthrene	0.04	0.7	--	--	310	27,000			0.04	U	1	0.7	0.47	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Phenol	0.04	0.3	--	--	6,100	610,000			0.04	U	1	0.3	0.04	U	1	0.3	0.04	U	1	0.3	0.07	F	1	0.3	0.04	U	1	0.3
Pyrene	0.05	0.7	--	--	310	27,000			0.05	U	1	0.7	0.58	F	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	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.: 32237
        O'Brien and Gere: 4975, 5012
All MS/MSD results are presented in the Data Verification Report, Appendix D.

Abbreviations and Notes:
Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.
--   No risk reduction standard or background level available
a   Background values from Second Revised Background Report, 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.
M - A matrix effect was present.