Table B29-2
Summary of Chemical Constituents Detected in Subsurface Soils, March 2000
Solid Waste Management Unit B-29

Sample ID							RW-B29-SB01				RW-B29-SB01				RW-B29-SB02				RW-B29-SB02				RW-B29-SB03				RW-B29-SB03			
Sample Date							03/10/00				03/10/00				03/09/00				03/09/00				03/09/00				03/09/00			
Sample Type							N1				N1				N1				N1				N1				N1			
Soil Type							GR				GR				GR				GR				GR				GR			
Beginning Depth							2.5				7.5				2.5				5.5				3.5				6.5			
Ending Depth							3				8				3				6				4				7			
Lab ID							AP89724 / 00C00374 / Q0583				AP89725 / 00C00375 / Q0584				AP89673 / 00C00369 / Q0523				AP89674 / 00C00370 / Q0524				AP89669 / 00C00366 / Q0519				AP89670 / 00C00367 / Q0520			
	Soil Comparison Criteria																													
	Lab MDL	**Lab RL**	**Background Soils**	**Background Glen Rose**	**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
SW6010B (mg/kg)																														
Barium	0.044	1.0	186.0	10.0	200	59000	4.3	F	5	5.0	5.6		5	5.0																
Chromium	0.078	20.0	40.2	8.1	10	350000	5.2	F	5	100.0	6.3	F	5	100.0																
Copper	0.072	2.0	23.2	13.1	130	74000	1.3	F	5	10.0	2.1	F	5	10.0	**20.5**	**J**	**5**	**10.0**	2.7	F	5	10.0	4.7	F	5	10.0	2.3	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12000	3.5	F	5	10.0	**7.4**	**F**	**5**	**10.0**																
Zinc	0.42	2.0	73.2	11.3	3100	41000	9.4	F	5	10.0	6.3	F	5	10.0	**21.1**	**B**	**5**	**10.0**	8.5	F	5	10.0	**14.2**	**B**	**5**	**10.0**	6.9	F	5	10.0
SW7060A (mg/kg)																														
Arsenic	0.032	0.5	19.6	3.8	5	200	0.71	J	1	0.5	3.09	J	1	0.5																
SW7131A (mg/kg)																														
Cadmium	0.022	0.1	3.0	0.1	0.5	410	0.022	U	1	0.1	0.03	F	1	0.1																
SW7421 (mg/kg)																														
Lead	0.069	0.5	84.5	5.5	1.5	1000	**7.77**	**J**	**2**	**1.0**	3.39	J	1	0.5	1.36	J	1	0.5	3.91	M	1	0.5	2.66	M	1	0.5	3.35	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																
SW8260B (mg/kg)																														
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0031	F	1	0.005	0.0046	F	1	0.005																
SW8270C (mg/kg)																														
Acenaphthylene	0.03	0.7	--	--	613	53,322	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
Anthracene	0.04	0.7	--	--	3,066	266,609	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	0.04	U	1	0.7
Benzo(a)anthracene	0.04	0.7	--	--	0.39	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	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	0.05	U	1	0.7
Benzo(b)fluoranthene	0.06	0.7	--	--	0.039	3.4	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	0.06	U	1	0.7
Benzo(g,h,i)perylene	0.04	0.7	--	--	307	26661	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	0.04	U	1	0.7
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65.	**6.60**		**5**	**3.5**	**4.10**		**2**	**1.4**	**2.70**		**2**	**1.4**	**2.90**		**1**	**0.7**	0.29	F	1	0.7	**1.80**		**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	0.04	U	1	0.7	0.04	U	1	0.7
Di-n-butylphthalate	0.04	0.7	--	--	1,000	100,000	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	0.04	U	1	0.7
Dibenz(a,h)anthracene	0.04	0.7	--	--	1,000	100,000	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	0.04	U	1	0.7
Dinitrotoluene, 2,4-	0.05	0.7	--	--	0.04	4.2	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.70	0.05	U	1	0.70	0.05	U	1	0.70	0.05	U	1	0.70
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	0.07	F	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	0.04	U	1	0.7
Nitrosodiphenylamine, N-	0.05	0.7	--	--	5.8	234	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	0.05	U	1	0.7
Phenanthrene	0.04	0.7	--	--	307	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	0.64	F	1	0.7	0.04	U	1	0.7
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	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., DataChem, and O'Brien and Gere Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32196. 32185
DataChem: 42-01, 43-01, 46-01
O'Brien and Gere: 4941, 4953
All MS/MSD results are presented in the Data Verification Report, Appendix C.

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

a	Background values from Revised Background Report, 2002
--	No risk reduction standard or background level available
Cb	Crawford and Bexar, Stony 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:

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

Table B29-2
Summary of Chemical Constituents Detected in Subsurface Soils, March 2000
Solid Waste Management Unit B-29

						Sample ID	RW-B29-SB04				RW-B29-SB04				RW-B29-SB04				RW-B29-SB05				RW-B29-SB05				RW-B29-SB05			
						Sample Date	03/10/00				03/10/00				03/10/00				03/10/00				03/10/00				03/10/00			
						Sample Type	FD1				N1				N1				N1				N1				N1			
						Soil Type	GR				GR				GR				Cb				Cb				GR			
						Beginning Depth	4.5				4.5				10.5				0.5				5.5				12.5			
						Ending Depth	5.5				5.5				11				1				6				13			
						Lab ID	AP89729/Q0586				AP89726 / 00C00376 / Q0585				AP89730 / 00C00377 / Q0587				AP89732 / 00C00378 / Q0588				AP89733 / 00C00379 / Q0589				AP89735 / 00C00380 / Q0590			
	Soil Comparison Criteria																													
	Lab MDL	**Lab RL**	**Background Soils**	**Background Glen Rose**	**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
SW6010B (mg/kg)																														
Barium	0.044	1.0	186.0	10.0	200	59000	5.8		5	5.0	5.5		5	5.0	9.2		5	5.0	35.2		5	5.0	2.3	F	5	5.0	2.6	F	5	5.0
Chromium	0.078	20.0	40.2	8.1	10	350000	6.5	F	5	100.0	6.1	F	5	100.0	**8.6**	**F**	**5**	**100.0**	11.6	F	5	100.0	4.0	F	5	100.0	3.9	F	5	100.0
Copper	0.072	2.0	23.2	13.1	130	74000	2.7	F	5	10.0	2.1	F	5	10.0	2.9	F	5	10.0	5.7	F	5	10.0	0.8	F	5	10.0	1.1	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12000	6.5	F	5	10.0	**7.8**	**F**	**5**	**10.0**	**7.3**	**F**	**5**	**10.0**	7.1	F	5	10.0	2.2	F	5	10.0	3.8	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3100	41000	6.7	F	5	10.0	6.0	F	5	10.0	**17.8**		**5**	**10.0**	19.4		5	10.0	6.2	F	5	10.0	4.5	F	5	10.0
SW7060A (mg/kg)																														
Arsenic	0.032	0.5	19.6	3.8	5	200	**9.75**	**M**	**5**	**2.5**	**5.66**	**M**	**2**	**1.0**	3.16	J	1	0.5	2.39	J	1	0.5	0.61	M	1	0.5	1.12	J	1	0.5
SW7131A (mg/kg)																														
Cadmium	0.022	0.1	3.0	0.1	0.5	410	0.03	F	1	0.1	0.08	F	1	0.1	0.04	F	1	0.1	0.15		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	1000	**12.09**	**M**	**5**	**2.5**	**6.14**	**M**	**2**	**1.0**	3.38		1	0.5	29.71		10	5.0	1.34	M	1	0.5	1.44		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	0.024	U	1	0.1	0.024	U	1	0.1
SW8260B (mg/kg)																														
Methylene chloride	0.0007	0.005	--	--	0.5	16.	0.0021	F	1	0.005	0.0032	F	1	0.005	0.0023	F	1	0.005	0.0010	F	1	0.005	0.0009	F	1	0.005	0.0007	U	1	0.005
SW8270C (mg/kg)																														
Acenaphthylene	0.03	0.7	--	--	613	53,322	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
Anthracene	0.04	0.7	--	--	3,066	266,609	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	0.04	U	1	0.7
Benzo(a)anthracene	0.04	0.7	--	--	0.39	3.4	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.07	F	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	0.06	F	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7
Benzo(b)fluoranthene	0.06	0.7	--	--	0.039	3.4	0.06	U	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7	0.14	F	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7
Benzo(g,h,i)perylene	0.04	0.7	--	--	307	26661	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	0.04	U	1	0.7
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65.	**18.00**		**10**	**7.0**	0.29	F	1	0.7	**4.1**		**5**	**3.5**	0.03	U	1	0.7	**4.9**		**5**	**3.5**	**8.4**		**10**	**7.0**
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	0.10	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Di-n-butylphthalate	0.04	0.7	--	--	1,000	100,000	0.04	U	1	0.7	0.05	F	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
Dibenz(a,h)anthracene	0.04	0.7	--	--	1,000	100,000	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	0.04	U	1	0.7
Dinitrotoluene, 2,4-	0.05	0.7	--	--	0.04	4.2	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	0.05	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	0.08	F	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	0.04	U	1	0.7
Nitrosodiphenylamine, N-	0.05	0.7	--	--	5.8	234	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	0.05	U	1	0.7
Phenanthrene	0.04	0.7	--	--	307	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	0.04	U	1	0.7
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	0.09	F	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., DataChem, and O'Brien and Gere Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32196. 32185
DataChem: 42-01, 43-01, 46-01
O'Brien and Gere: 4941, 4953
All MS/MSD results are presented in the Data Verification Report, Appendix C.

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

a	Background values from Revised Background Report, 2002
--	No risk reduction standard or background level available
Cb	Crawford and Bexar, Stony 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:

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

Table B29-2
Summary of Chemical Constituents Detected in Subsurface Soils, March 2000
Solid Waste Management Unit B-29

Sample ID							RW-B29-SB06				RW-B29-SB06				RW-B29-SB06			
Sample Date							03/09/00				03/09/00				03/09/00			
Sample Type							N1				N1				N1			
Soil Type							GR				GR				GR			
Beginning Depth							0.5				2.5				6.5			
Ending Depth							1				3				7			
Lab ID							AP89686 / 00C00361 / Q0515				AP89687 / 00C00362 / Q0516				AP89688 / 00C00363 / Q0517			
	Soil Comparison Criteria																	
	Lab MDL	**Lab RL**	**Background Soils**	**Background Glen Rose**	**RRS2-GWP (Ind.)**	**RRS2-SAI (Ind.)**	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/kg)																		
Barium	0.044	1.0	186.0	10.0	200	59000												
Chromium	0.078	20.0	40.2	8.1	10	350000												
Copper	0.072	2.0	23.2	13.1	130	74000	2.6	F	5	10.0	1.7	F	5	10.0	2.8	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12000												
Zinc	0.42	2.0	73.2	11.3	3100	41000	7.7	F	5	10.0	4.7	F	5	10.0	5.2	F	5	10.0
SW7060A (mg/kg)																		
Arsenic	0.032	0.5	19.6	3.8	5	200												
SW7131A (mg/kg)																		
Cadmium	0.022	0.1	3.0	0.1	0.5	410												
SW7421 (mg/kg)																		
Lead	0.069	0.5	84.5	5.5	1.5	1000	**126.9**	**J**	**100**	**50.0**	2.16	J	1	0.5	3.78	J	1	0.5
SW7471A (mg/kg)																		
Mercury	0.024	0.1	0.77	0.1	0.2	9.6												
SW8260B (mg/kg)																		
Methylene chloride	0.0007	0.005	--	--	0.5	16.												
SW8270C (mg/kg)																		
Acenaphthylene	0.03	0.7	--	--	613	53,322	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
Anthracene	0.04	0.7	--	--	3,066	266,609	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	--	--	0.39	3.4	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
Benzo(b)fluoranthene	0.06	0.7	--	--	0.039	3.4	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	--	--	307	26661	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.	0.06	F	1	0.7	0.12	F	1	0.7	0.22	F	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
Di-n-butylphthalate	0.04	0.7	--	--	1,000	100,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Dibenz(a,h)anthracene	0.04	0.7	--	--	1,000	100,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Dinitrotoluene, 2,4-	0.05	0.7	--	--	0.04	4.2	0.05	U	1	0.7	0.05	U	1	0.7	0.05	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
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
Nitrosodiphenylamine, N-	0.05	0.7	--	--	5.8	234	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7
Phenanthrene	0.04	0.7	--	--	307	27,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
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

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., DataChem, and O'Brien and Gere Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32196. 32185
DataChem: 42-01, 43-01, 46-01
O'Brien and Gere: 4941, 4953
All MS/MSD results are presented in the Data Verification Report, Appendix C.

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

a	Background values from Revised Background Report, 2002
--	No risk reduction standard or background level available
Cb	Crawford and Bexar, Stony 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:

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