Table B8-1
Summary of Chemical Constituents Detected in Soils, March 2000
SWMU B-8 RCRA Facility Investigation

						Sample ID	RW-B8-SB01				RW-B8-SB01				RW-B8-SB01				RW-B8-SB02				RW-B8-SB02				RW-B8-SB02			
						Sample Date	03/24/00				03/24/00				03/24/00				03/23/00				03/23/00				03/23/00			
						Sample Type	N1				N1				N1				N1				FD1				N1			
						Soil Type	Soil (*Kr*)				GR				GR				Soil (*Kr*)				Soil (*Kr*)				GR			
						Beginning Depth	0.5				4.5				8.5				0.5				0.5				7			
						Ending Depth	1				5				9				1				1				7.5			
						Lab ID	AP90371 / Q1428				AP90372 / Q1429				AP90373 / Q1430				AP90316 / Q1338				AP90317 / Q1339				AP90321 / Q1340			
	Soil Comparison Criteria																													
	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	Results	Flags	Dilution	SQL
SW6010B (mg/kg)																														
Barium	0.044	1.0	186	10	200	59,000	**1039.1**	**J**	**5**	**5.0**	9.1	J	5	5.0	4.8	F	5	5.0	**15493**	**M**	**20**	**20.0**	**10814**	**M**	**20**	**20.0**	**12.8**	**J**	**5**	**5.0**
Chromium	0.078	20.0	40.2	8.1	10	350,000	35.7		1	20.0	4.2	F	5	100.0	3.3	F	5	100.0	23.5		1	20.0	21.5		1	20.0	3.1	F	5	100.0
Copper	0.072	2.0	23.2	13.1	130	74,000	**1515.6**		**1**	**2.0**	7	F	5	10.0	4.3	F	5	10.0	**22986**	**M**	**20**	**40.0**	**110240**	**M**	**100**	**200.0**	**73.7**	**J**	**5**	**10.0**
Nickel	0.118	2.0	35.5	6.8	200	12,000	21.1	J	1	2.0	3.9	F	5	10.0	2.1	F	5	10.0	14.5	J	1	2.0	**137.9**	**J**	**1**	**2.0**	2	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3,100	41,000	**2311.1**		**5**	**10.0**	9.2	F	5	10.0	9.9	F	5	10.0	**9180.8**	**M**	**20**	**40.0**	**40638**	**M**	**100**	**200.0**	**34.7**	**J**	**5**	**10.0**
SW7060A (mg/kg)																														
Arsenic	0.032	0.5	19.6	3.8	5	200	6.12	J	2	1	2.59	J	1	0.5	0.94	J	1	0.5	6.28	M	5	2.5	7.86	M	5	2.5	1.11	J	1	0.5
SW7131A (mg/kg)																														
Cadmium	0.022	0.1	3	0.1	0.5	410	1.35		2	0.2	0.022	U	1	0.1	0.022	U	1	0.1	1.36	M	2	0.2	0.87	M	1	0.1	0.022	R	1	0.1
SW7421 (mg/kg)																														
Lead	0.069	0.5	84.5	5.5	1.5	1,000	**4348**	**M**	**2000**	**1,000.0**	3.47		1	0.5	1.41		1	0.5	**142920**	**M**	**40000**	**20,000.0**	**156640**	**M**	**40000**	**20,000.0**	**8.17**		**10**	**5.0**
SW7471A (mg/kg)																														
Mercury	0.024	0.1	0.77	0.1	0.2	9.6	0.024	M	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1	0.024	M	1	0.1	0.03	M	1	0.1	0.024	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	0.0004	F	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Butylbenzene, N-	0.0006	0.005	-	-	--	--	0.0006	U	1	0.005	0.0006	U	1	0.005	0.0006	U	1	0.005	0.0006	M	1	0.005	0.0006	M	1	0.005	0.0006	U	1	0.005
Chloroform	0.0003	0.002	-	-	10	0.51	0.0006	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
Naphthalene	0.001	0.02	-	-	200	270	0.002	F	1	0.02	0.001	U	1	0.02	0.001	U	1	0.02	0.002	M	1	0.02	0.001	M	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	0.0003	U	1	0.005	0.0003	U	1	0.005
Trichlorobenzene, 1,2,3-	0.0008	0.004	-	-	--	--	0.0008	U	1	0.004	0.0008	U	1	0.004	0.0008	U	1	0.004	0.0008	M	1	0.004	0.0008	M	1	0.004	0.0008	U	1	0.004
Trichlorobenzene, 1,2,4-	0.0006	0.004	-	-	7	6,100	0.0006	U	1	0.004	0.0007	F	1	0.004	0.0008	F	1	0.004	0.0006	U	1	0.004	0.0006	U	1	0.004	0.0006	U	1	0.004

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. and O'Brien and Gere Laboratories.
Referenced laboratory package numbers: APPL Inc.: 32302, 32289
O'Brien and Gere: 5107, 5122
DataChem 61-01
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.
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
Kr Krum Complex
MDL Method Detection Limit
N1 Environmental Sample
NA Not Analyzed, sample bottle broke during shipment
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.
R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.
U- The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

Table B8-1
Summary of Chemical Constituents Detected in Soils, March 2000
SWMU B-8 RCRA Facility Investigation

						Sample ID	RW-B8-SB02				RW-B8-SB03				RW-B8-SB03				RW-B8-SB03				RW-B8-SB03			
						Sample Date	03/23/00				03/24/00				03/24/00				03/24/00				03/24/00			
						Sample Type	N1				N1				N1				FD1				N1			
						Soil Type	GR				Soil (*Kr*)				GR				GR				GR			
						Beginning Depth	11.5				0.5				8				8				13.5			
						Ending Depth	12				1				8.5				8.5				14			
						Lab ID	Q1341				AP90374 / Q1431				AP90376 / Q1432				Q1433				AP90377 / Q1434			
	Soil Comparison Criteria																									
	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	6.8	J	5	5.0	**224.4**	**J**	**5**	**5.0**	6.8	J	5	5.0	**12.7**	**J**	**5**	**5.0**	**11**	**J**	**5**	**5.0**
Chromium	0.078	20.0	40.2	8.1	10	350,000	4.7	F	5	100.0	15.4	F	5	100.0	4.6	F	5	100.0	7	F	5	100.0	**11.7**	**F**	**5**	**100.0**
Copper	0.072	2.0	23.2	13.1	130	74,000	12.5	J	5	10.0	**112.1**		**5**	**10.0**	4.4	F	5	10.0	8.4	F	5	10.0	6.8	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12,000	4.2	F	5	10.0	10.3	J	5	10.0	3.1	F	5	10.0	5.7	F	5	10.0	6.7	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3,100	41,000	**14**	**J**	**5**	**10.0**	59.9		5	10.0	9.3	F	5	10.0	10.4		5	10.0	**13.8**		**5**	**10.0**
SW7060A (mg/kg)																										
Arsenic	0.032	0.5	19.6	3.8	5	200	1.22	J	1	0.5	2.8	J	1	0.5	1.2	J	1	0.5	1.8	J	1	0.5	1.89	J	1	0.5
SW7131A (mg/kg)																										
Cadmium	0.022	0.1	3	0.1	0.5	410	0.022	R	1	0.1	0.3		1	0.1	0.022	U	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	2.44		1	0.5	**443.4**	**M**	**200**	**100.0**	2.71		1	0.5	2.99		1	0.5	4.69		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	M	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1
SW8260B (mg/kg)																										
Benzene	0.0003	0.002	-	-	0.5	1.5	NA				0.0003	U	1	0.002	0.0004	F	1	0.002	NA				0.0004	F	1	0.002
Butylbenzene, N-	0.0006	0.005	-	-	--	--	NA				0.0006	U	1	0.005	0.0006	U	1	0.005	NA				0.0012	F	1	0.005
Chloroform	0.0003	0.002	-	-	10	0.51	NA				0.0005	F	1	0.002	0.0003	U	1	0.002	NA				0.0003	U	1	0.002
Naphthalene	0.001	0.02	-	-	200	270	NA				0.001	U	1	0.02	0.001	U	1	0.02	NA				0.002	F	1	0.02
Toluene	0.0003	0.005	-	-	100	2,400	NA				0.0003	U	1	0.005	0.0003	U	1	0.005	NA				0.0006	F	1	0.005
Trichlorobenzene, 1,2,3-	0.0008	0.004	-	-	--	--	NA				0.001	F	1	0.004	0.0013	F	1	0.004	NA				0.0021	F	1	0.004
Trichlorobenzene, 1,2,4-	0.0006	0.004	-	-	7	6,100	NA				0.0008	F	1	0.004	0.0011	F	1	0.004	NA				0.002	F	1	0.004

Tables present all laboratory results for analytes detected above the method detection limit.
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DataChem 61-01
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.
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
Kr	Krum Complex
MDL	Method Detection Limit
N1	Environmental Sample
NA	Not Analyzed, sample bottle broke during shipment
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.
R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.
U- The analyte was analyzed for, but not detected. The associated numerical value is the MDL.