

Table B29-1
Summary of Chemical Constituents Detected in Surface Soil, March 2000
Solid Waste Management Unit B-29

Sample ID	RW-B29-SS01		RW-B29-SS01		RW-B29-SS02		RW-B29-SS02		RW-B29-SS03		RW-B29-SS04														
	Sample Date	03/10/00	03/10/00	03/09/00	03/09/00	03/09/00	03/10/00																		
	Sample Type	N1	FD1	N1	FD1	N1	N1																		
	Soil Type	Cb	Cb	Cb	Cb	Cb	Cb																		
Beginning Depth	0	0	0	0	0	0																			
Ending Depth	0.5	0.5	0.5	0.5	0.5	0.5																			
Lab ID	AP89722/00C00371/Q0581		00C00372	AP89671/00C00368/Q0521	AP89672/Q0522	AP89668/00C00365/Q0518	AP89723/00C00373/Q0582																		
Soil Comparison Criteria																									
Background																									
Lab	MDL	Lab RL	Background Soils	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	0.044	1.0	186	200	59,000	47.1		5	5.0	35.6		5	5.0	34.8		5	5.0	9.1		5	5.0	39.7		5	5.0
Chromium	0.078	20.0	40.2	10	350,000	14.6	F	5	100.0	34.2	F	5	100.0	29.6	F	5	100.0	7.3	F	5	100.0	12.5	F	5	100.0
Copper	0.072	2.0	23.2	130	74,000	370.3		5	10.0	26.8	J	5	10.0	25.6	J	5	10.0	80.2	J	5	10.0	9.5	F	5	10.0
Nickel	0.118	2.0	35.5	200	12,000	10.0	F	5	10.0	11.6		5	10.0	10.9		5	10.0	5.9	F	5	10.0	7.8	F	5	10.0
Zinc	0.42	2.0	73.2	3,100	41,000	109.5		5	10.0	70.9	B	5	10.0	71.7	B	5	10.0	24.1	B	5	10.0	42.6		5	10.0
SW7060A (mg/kg)																									
Arsenic	0.0325	0.5	19.6	5	200	5.12	J	2	1.0	2.80	J	1	0.5	2.74	J	1	0.5	4.06	J	1	0.5	3.58	J	1	0.5
SW7131A (mg/kg)																									
Cadmium	0.022	0.1	3.00	0.5	410	0.58		1	0.1	1.11		2	0.2	1.26		2	0.2	2.27		5	0.5	0.23		1	0.1
SW7421 (mg/kg)																									
Lead	0.069	0.5	84.5	1.5	1000	1386	J	1000	500.0	291	J	100	50	317.1	J	100	50	1308	J	1000	500	59.62	J	20	10
SW7471A (mg/kg)																									
Mercury	0.024	0.1	0.77	0.2	9.6	0.024	U	1	0.1	0.024	U	1	0.1	0.03	F	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	0.0024	F	1	0.005	0.0007	U	1	0.005					0.0007	U	1	0.005	0.001	F	1	0.005
SW8270C (mg/kg)																									
Acenaphthylene	0.03	0.7	--	610	53,000	0.14	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
Anthracene	0.04	0.7	--	3,100	270,000	0.21	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
Benzo(a)anthracene	0.04	0.7	--	0.039	3.4	0.75		1	0.7	0.14	F	1	0.7	0.1	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	0.79		1	0.7	0.25	F	1	0.7	0.13	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	1.90		1	0.7	0.70		1	0.7	0.37	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	--	310	27,000	0.36	F	1	0.7	0.11	F	1	0.7	0.06	F	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	0.04	F	1	0.7	0.22	F	1	0.7	0.23	F	1	0.7	0.22	F	1	0.7	0.23	F	1	0.7
Chrysene	0.04	0.7	--	3.9	340	1.00		1	0.7	0.14	F	1	0.7	0.09	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	0.09	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	--	0.0039	0.034	0.12	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
Dinitrotoluene, 2,4-	0.05	0.07	--	--	--	0.05	U	1	0.07	0.05	U	1	0.07	0.05	U	1	0.07	0.05	U	1	0.07	0.05	U	1	0.07
Fluoranthene	0.04	0.7	--	410	36,000	1.00		1	0.7	0.11	F	1	0.7	0.07	F	1	0.7	0.07	F	1	0.7	0.05	F	1	0.7
Indeno(1,2,3-cd)pyrene	0.04	0.7	--	0.039	3.4	0.23	F	1	0.7	0.11	F	1	0.7	0.06	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Nitrosodiphenylamine, N-	0.05	0.7	--	5.8	230	0.07	F	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	--	310	27,000	0.09	F	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
Pyrene	0.05	0.7	--	310	27,000	1.60		1	0.7	0.16	F	1	0.7	0.11	F	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7
SW8330 (mg/kg)																									
Dinitrotoluene, 2,4-	0.038	0.25	--	0.042	4.2	0.038	U	1	0.25	0.25	F	1	0.25	0.038	U	1	0.25					0.038	U	1	0.25

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