

**Table 3.5
Summary of Chemical Constituents Detected in Sifted Soils,
March and April 2000
Solid Waste Management Unit B-24**

Sample ID Sample Date Sample Type Soil Type Beginning Depth Ending Depth Lab ID	B24-SIFT01		B24-SIFT02		B24-SIFT03		B24-Sift04		B24-SIFT05		B24-SIFT06																		
	04/21/00		04/21/00		03/28/00		04/21/00		03/28/00		04/21/00																		
	N1		N1		N1		N1		N1		N1																		
	Soil (Kr)		Soil (Kr)		Soil (Kr)		Soil (Kr)		Soil (Kr)		Soil (Kr)																		
	4		1		5		3		5		3																		
	4.5		1.5		6		3.5		6		3.5																		
	AP91523		AP91524		AP90428		AP91525		AP90426		AP91526																		
Soil Comparison Criteria																													
Lab	Lab	Background ^a	TRRP-Tier 1 (Res.	TRRP-Tier 1 (Ind.																									
MDL	RL	Soil	¹⁰⁰ Soil _{Comp})	¹⁰⁰ Soil _{Comp})	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL																	
SW6010B (mg/kg)																													
Barium	0.08	1.0	186	2,800	39,000	174.77	J	1	1.0	124.56	J	1	1.0	110.17	J	1	1.0	302.22	J	5	5.0	113.90	J	1	1.0	137.13	J	1	1.0
Chromium	0.1	20.0	40.2	30,000	95,000	18.8	F	1	20.0	22.7	1	20.0	20.2	J	1	20	20.8	1	20.0	13.5	F	1	20.0	22.3	1	20.0	22.3	1	20.0
Copper	0.19	2.0	23.2	550	38,000	364.49	5	10.0	112.61	M	1	2.0	270.50	J	2	4.0	677.71	M	5	10.0	587.80	J	50	100.0	521.55	M	5	10.0	
Nickel	0.12	2.0	35.5	840	8,800	11.85	J	1	2.0	14.00	1	2.0	11.54	J	1	2.0	12.78	1	2.0	8.97	J	1	2.0	13.12	1	2.0	13.12	1	2.0
Zinc	0.63	5.0	73.2	9,900	250,000	160.83	1	5.0	85.52	M	1	5.0	314.14	J	2	10	288.84	M	5	25.0	6955	J	50	250.0	758.	M	5	25.0	
SW7060A (mg/kg)																													
Arsenic	0.04	0.5	19.6	24	200	4.70	M	1	0.5	7.85	M	5	2.5	2.61	J	5	2.5	6.76	M	5	2.5	10.45	J	5	2.5	4.19	M	1	0.5
SW7131A (mg/kg)																													
Cadmium	0.01	0.1	3	52	8,500	0.23	1	0.1	0.21	1	0.1	0.10	5	0.5	0.17	1	0.1	2.87	J	10	1.0	0.20	1	0.1	0.20	1	0.1		
SW7421 (mg/kg)																													
Lead	0.13	0.5	84.5	500	1,600	1831	M	500	250.0	326.1	M	250	125.0	202.5	J	50	25.0	558.2	M	250	125.0	1898	J	500	250.0	797.1	M	250	125.0
SW7471A (mg/kg)																													
Mercury	0.01	0.1	0.77	8.3	19	0.05	F	1	0.1	0.04	F	1	0.1	0.01	R	1	0.1	0.04	F	1	0.1	0.04	F	1	0.1	0.04	F	1	0.1
SW8260B (mg/kg)																													
Methylene chloride	0.0007	0.005	--	390	960																								
Toluene	0.0003	0.005	--	4,500	8,200																								
SW8270C (mg/kg)																													
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	43	560																								
Dinitrotoluene, 2,4-	0.05	0.7	--	6.9	28																								
Dinitrotoluene, 2,6-	0.04	0.7	--	6.9	28																								
Nitrosodiphenylamine, N-	0.05	0.7	--	570	1,900																								
SW8330 (mg/kg)																													
Nitrotoluene, 3-	0.16	0.6	--	380	1,000																								

Tables present all laboratory results for analytes detected above the method detection limit. All samples were analyzed by APPL Inc. and DataChem Laboratories. Referenced laboratory package numbers: APPL Inc.: 32313, 32489, 32499 DataChem: 96-01

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 (background) Standards. Boxed samples indicate results greater than TRRP - Tier 1 Industrial¹⁰⁰Soil_{Comp} Standards.
a Background values from Revised Background Report, 2002
-- No TRRP Tier 1 or background level available
DL Dilution
FD1 Field Duplicate
Kr Krum Complex
MDL Method Detection Limit
N1 Environmental Sample
NA Not Available
RL Reporting Limit
SQL Sample Quantitation Limit
TRRP Texas Risk Reduction Program

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

