

**Table 3.3  
Summary of Chemical Constituents Detected in Sifted Soil, March and April 2000  
Solid Waste Management Unit B-20**

	Sample ID		B20-SIFT06				B20-SIFT06				B20-SIFT06				B20-SIFT06				B20-SIFT07					
	Sample Date		03/28/00				03/28/00				04/21/00				04/21/00				03/28/00					
	Sample Type		N1				FD1				N1				FD1				N1					
	Soil Type		Soil				Soil				Soil				Soil				Soil					
Beginning Depth		5				5				5				5				9						
Ending Depth		6				6				6				6				10						
Lab ID		AP90409				AP90410				AP91508				AP91509				AP90413						
		Soil Comparison Criteria																						
		Lab MDL	Lab MDL	Lab MDL	Lab MDL	Background <sup>d</sup>	TRRP-Tier 1 (Res.	TRRP-Tier 1 (Ind.																
		APPL	OGB	APPL	OGB	Soil	TotSoil <sub>Comb</sub> )	TotSoil <sub>Comb</sub> )	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
<b>SW6010B (mg/kg)</b>																								
Barium		0.08	0.04	1.0	1.0	186	2,800	39,000	<b>187.85</b>	<b>M</b>	<b>1</b>	<b>1.0</b>	<b>193.</b>	<b>M</b>	<b>1</b>	<b>1.0</b>					<b>232.13</b>	<b>J</b>	<b>1</b>	<b>1.0</b>
Chromium		0.10	0.08	20.0	20.0	40.2	30,000	95,000	20.6	J	1	20.0	19.9	F	1	20.0					22.4	J	1	20.0
Copper		0.19	0.07	2.0	2.0	23.2	550	38,000	<b>68.33</b>	<b>M</b>	<b>1</b>	<b>2.0</b>	<b>97.95</b>	<b>M</b>	<b>1</b>	<b>2.0</b>					<b>84.63</b>	<b>J</b>	<b>1</b>	<b>2.0</b>
Nickel		0.12	0.12	2.0	2.0	35.5	840	8,800	11.27	J	1	2.0	13.83	J	1	2.0					13.87	J	1	2.0
Zinc		0.63	0.42	2.0	2.0	43.2	9,900	250,000	<b>89.3</b>	<b>M</b>	<b>1</b>	<b>2.0</b>	<b>104.82</b>	<b>M</b>	<b>1</b>	<b>2.0</b>					<b>101.6</b>	<b>J</b>	<b>1</b>	<b>2.0</b>
<b>SW7060A (mg/kg)</b>																								
Arsenic		0.04	0.032	0.5	0.5	19.6	24	200	5.2	M	1	0.5	5.0	M	1	0.5					9.7	J	5	2.5
<b>SW7131A (mg/kg)</b>																								
Cadmium		0.01	0.022	0.1	0.1	3	52	8,500	0.59			5	0.5	1.15		5	0.5				0.59		5	0.5
<b>SW7421 (mg/kg)</b>																								
Lead		0.13	0.00032	0.5	0.005	84.5	500	1,600	<b>204.4</b>	<b>M</b>	<b>50</b>	<b>0.25</b>	<b>207.15</b>	<b>M</b>	<b>50</b>	<b>0.25</b>					<b>322.52</b>	<b>J</b>	<b>100</b>	<b>0.5</b>
<b>SW7471A (mg/kg)</b>																								
Mercury		0.01	0.024	0.1	0.1	0.77	8.3	19	0.09	F	1	0.1	0.13	J	1	0.1					0.09	F	1	0.1
<b>SW8260B (mg/kg)</b>																								
Methylene chloride		0.0007		0.005		--	390	960									0.0007	U	1	0.005	0.0007	U	1	0.005
Toluene		0.0003		0.005		--	4,500	8,200									0.0003	U	1	0.005	0.0003	U	1	0.005
Trichloroethene		0.001		0.01		--	150	310									0.002	F	1	0.01	0.002	F	1	0.01

Tables present all laboratory results for analytes detected above the method detection limit. All samples were analyzed by APPL Inc. and O'Brien and Gere Laboratories. Referenced laboratory package numbers: APPL Inc.:32313, 32499 O'Brien and Gere: 5439

**Abbreviations and Notes:**

Highlighted and bolded sample concentrations exceed RRS1 (background) Standards. Boxed samples indicate results greater than TRRP Tier 1 Industrial<sup>g</sup>Soil<sub>Comb</sub> standards.

-- No risk reduction standard or background level available

- DL Dilution
- FD1 Field Duplicate
- 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, but 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 3.3**  
**Summary of Chemical Constituents Detected in Sifted Soil, March and April 2000**  
**Solid Waste Management Unit B-20**

Sample ID	B20-SIFT12		B20-SIFT13		B20-SIFT14		B20-SIFT14		B20-SIFT15		
	03/28/00		03/28/00		03/28/00		03/28/00		03/28/00		
	N1		N1		N1		FD1		N1		
	Soil		Soil		Soil		Soil		Soil		
Sample Type	2		0.5		1		1		4		
Soil Type	3		1.		1		1		5		
Beginning Depth	3		1.		1		1		5		
Ending Depth	3		1.		1		1		5		
Lab ID	AP90418		AP90419		AP90420		AP90421		AP90422		
Soil Comparison Criteria											
	Lab MDL	Lab MDL	Lab MDL	Lab MDL	Background <sup>d</sup>	TRRP-Tier 1 (Res.	TRRP-Tier 1 (Ind.				
	APPL	OGB	APPL	OGB	Soil	<sup>Soil</sup> Soil <sub>comb</sub> )	<sup>Soil</sup> Soil <sub>comb</sub> )	Results	Flags	Dilution	SQL
<b>SW6010B (mg/kg)</b>											
Barium	0.08	0.04	1.0	1.0	186	2,800	39,000	127.12	J	1	1.0
Chromium	0.10	0.08	20.0	20.0	40.2	30,000	95,000	14.7	F	1	20.0
Copper	0.19	0.07	2.0	2.0	23.2	550	38,000	<b>82.15</b>	<b>J</b>	<b>1</b>	<b>2.0</b>
Nickel	0.12	0.12	2.0	2.0	35.5	840	8,800	9.42	J	1	2.0
Zinc	0.63	0.42	2.0	2.0	43.2	9,900	250,000	<b>87.9</b>	<b>J</b>	<b>1</b>	<b>2.0</b>
<b>SW7060A (mg/kg)</b>											
Arsenic	0.04	0.032	0.5	0.5	19.6	24	200	9.0	J	5	2.5
<b>SW7131A (mg/kg)</b>											
Cadmium	0.01	0.022	0.1	0.1	3	52	8,500	0.71		5	0.5
<b>SW7421 (mg/kg)</b>											
Lead	0.13	0.00032	0.5	0.005	84.5	500	1,600	<b>386.56</b>	<b>J</b>	<b>100</b>	<b>0.5</b>
<b>SW7471A (mg/kg)</b>											
Mercury	0.01	0.024	0.1	0.1	0.77	8.3	19	0.15	J	1	0.1
<b>SW8260B (mg/kg)</b>											
Methylene chloride	0.0007		0.005		--	390	960				
Toluene	0.0003		0.005		--	4,500	8,200				
Trichloroethene	0.001		0.01		--	150	310				

Tables present all laboratory results for analytes detected above the method detection limit. All samples were analyzed by APPL Inc. and O'Brien and Gere Laboratories. Referenced laboratory package numbers: APPL Inc.:32313, 32499 O'Brien and Gere: 5439

Abbreviations and Notes:  
 Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.  
 Boxed samples indicate results greater than TRRP Tier 1 Industrial<sup>d</sup>Soil<sub>comb</sub> standards.  
 -- No risk reduction standard or background level available  
 DL Dilution  
 FD1 Field Duplicate  
 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, but 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 3.3**  
**Summary of Chemical Constituents Detected in Sifted Soil, March and April 2000**  
**Solid Waste Management Unit B-20**

	Sample ID		B20-SIFT16		B20-SIFT16		B20-SIFT17		B20-SIFT18		RW-B20-Sift19													
	Sample Date	03/28/00	03/28/00		04/21/00		03/28/00		03/28/00		04/21/00													
	Sample Type	N1	N1		N1		N1		N1		N1													
Soil Type	Soil	Soil		Soil		Soil		Soil		Soil														
Beginning Depth	9	9		9		1		2		0														
Ending Depth	10	10		10		2		3		0.5														
Lab ID	AP90423	AP90423		AP91513		AP90424		AP90425		Q3521														
Soil Comparison Criteria																								
	Lab MDL APPL	Lab MDL OGB	Lab MDL APPL	Lab MDL OGB	Background <sup>d</sup> Soil	TRRP-Tier 1 (Res. Tot <sup>e</sup> Soil <sub>comb</sub> )	TRRP-Tier 1 (Ind. Tot <sup>e</sup> Soil <sub>comb</sub> )	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	
<b>SW6010B (mg/kg)</b>																								
Barium	0.08	0.04	1.0	1.0	186	2,800	39,000	<b>235.32</b>	J	1	<b>1.0</b>					171.24	J	1	1.0					
Chromium	0.10	0.08	20.0	20.0	40.2	30,000	95,000	18.6	F	1	20.0					16.9	F	1	20.0					
Copper	0.19	0.07	2.0	2.0	23.2	550	38,000	<b>102.33</b>	J	1	<b>2.0</b>					<b>66.14</b>	J	1	<b>2.0</b>					
Nickel	0.12	0.12	2.0	2.0	35.5	840	8,800	10.68	J	1	2.0					7.17	J	1	2.0					
Zinc	0.63	0.42	2.0	2.0	43.2	9,900	250,000	<b>97.86</b>	J	1	<b>2.0</b>					<b>94.03</b>	J	1	<b>2.0</b>					
																42.21	J	1	2.0					
<b>SW7060A (mg/kg)</b>																								
Arsenic	0.04	0.032	0.5	0.5	19.6	24	200	12.0	J	5	2.5					13.1	J	5	2.5					
<b>SW7131A (mg/kg)</b>																								
Cadmium	0.01	0.022	0.1	0.1	3	52	8,500	0.85		5	0.5					0.6	5	0.5						
<b>SW7421 (mg/kg)</b>																								
Lead	0.13	0.00032	0.5	0.005	84.5	500	1,600	<b>2,278.26</b>	J	<b>1000</b>	<b>5.0</b>					65.29	J	50	0.25					
<b>SW7471A (mg/kg)</b>																								
Mercury	0.01	0.024	0.1	0.1	0.77	8.3	19	0.27	J	1	0.1					0.46	J	1	0.1					
<b>SW8260B (mg/kg)</b>																								
Methylene chloride	0.0007		0.005		--	390	960					0.0007	U	1	0.005									
Toluene	0.0003		0.005		--	4,500	8,200					0.0008	F	1	0.005									
Trichloroethene	0.001		0.01		--	150	310					0.002	F	1	0.01									

Tables present all laboratory results for analytes detected above the method detection limit. All samples were analyzed by APPL Inc. and O'Brien and Gere Laboratories. Referenced laboratory package numbers: APPL Inc.:32313, 32499 O'Brien and Gere: 5439

Abbreviations and Notes:  
 Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.  
 Boxed samples indicate results greater than TRRP Tier 1 Industrial<sup>g</sup> Soil<sub>comb</sub> standards.  
 -- No risk reduction standard or background level available  
 DL Dilution  
 FD1 Field Duplicate  
 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, but the quantitation is an estimation.  
 M - A matrix effect was present.  
 U - The analyte was not detected. The associated numerical value is the MDL.

