

Appendix B
Analytical Results Summary,
Sifted Soil

Sample ID	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT07	B20-SIFT08	B20-SIFT09	B20-SIFT10	B20-SIFT11	B20-SIFT11	B20-SIFT12	B20-SIFT13	B20-SIFT14				
Sample Date	03/28/00	03/28/00	03/28/00	03/28/00	04/21/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00				
Sample Type	N1	FD1	N1	FD1	N1	FD1	N1											
Beginning Depth	5	5	5	5	5	9	0.5	1	6	7	7	2	0.5	1				
Ending Depth	6	6	6	6	6	10	1	2	8	8	8	3	1	1				
Lab ID	00C00751	00C00752	AP90409	AP90410	AP91508	AP91509	AP90413	AP90414	AP90415	AP90416	00C00753	AP90417	AP91512	AP90418	AP90419	AP90420		
	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags	Dilution									
SW6010B (mg/kg)																		
Barium				187.85	M	1	193	M	1									
Chromium				20.6	J	1	19.9	F	1	232.13	J	1	264.73	J	2	190.16	J	1
Copper				68.33	M	1	97.95	M	1	22.4	J	1	22.7	J	1	16.1	F	1
Nickel				11.27	J	1	13.83	J	1	84.63	J	1	85.18	J	1	845.27	J	5
Zinc				89.3	M	1	104.82		1	13.87	J	1	13.41	J	1	9.77	J	1
										101.6	J	1	110.48	J	1	139.57	J	1
										120.2	J	1	121.72	J	1	129.89	J	1
SW7060A (mg/kg)																		
Arsenic				5.22	M	1	5	M	1	9.66	J	5	5.11	J	1	9.67	J	5
										0.59		5	0.86		5	0.77		5
SW7131A (mg/kg)																		
Cadmium				0.59		5	1.15		5									
										0.59		5	0.86		5	0.85		5
SW7421 (mg/kg)																		
Lead				204.4	M	50	207.15	M	50	322.52	J	100	446.78	J	100	5006.01	M	1250
										2704.96	J	1000				869.32	J	250
SW7471A (mg/kg)																		
Mercury				0.09	F	1	0.13	J	1	0.09	F	1	0.08	F	1	0.2	J	1
										0.16	J	1						
SW8260B (mg/kg)																		
Benzene				0.0003	U	1	0.0003	U	1							0.0003	U	1
Bromobenzene				0.0003	M	1	0.0003	M	1							0.0003	U	1
Bromo(chloromethane)				0.0004	U	1	0.0004	U	1							0.0004	U	1
Bromodichloromethane				0.0003	U	1	0.0003	U	1							0.0003	U	1
Bromoform				0.0005	M	1	0.0005	M	1							0.0005	U	1
Bromomethane				0.0007	M	1	0.0007	M	1							0.0007	U	1
Butylbenzene, N-				0.0006	M	1	0.0006	M	1							0.0006	U	1
Butylbenzene, sec-				0.0004	M	1	0.0004	M	1							0.0004	U	1
Butylbenzene, tert-				0.0005	M	1	0.0005	M	1							0.0005	U	1
Carbon tetrachloride				0.001	U	1	0.001	U	1							0.001	U	1
Chlorobenzene				0.0003	M	1	0.0003	M	1							0.0003	U	1
Chloroethane				0.0009	U	1	0.0009	U	1							0.0009	U	1
Chloroform				0.0003	U	1	0.0003	U	1							0.0003	U	1
Chlorohexane, 1-				0.0003	M	1	0.0003	M	1							0.0003	U	1
Chloromethane				0.0008	U	1	0.0008	U	1							0.0008	U	1
Chlorotoluene, 2-				0.0007	M	1	0.0007	M	1							0.0007	U	1
Chlorotoluene, 4-				0.0006	M	1	0.0006	M	1							0.0006	U	1
Dibromo-3-chloropropane, 1,2-				0.0007	M	1	0.0007	M	1							0.0007	U	1
Dibromochloromethane				0.0003	U	1	0.0003	U	1							0.0003	U	1
Dibromomethane				0.001	U	1	0.001	U	1							0.001	U	1
Dichlorobenzene, 1,2-				0.0005	M	1	0.0005	M	1							0.0005	U	1
Dichlorobenzene, 1,3-				0.0022	M	1	0.0022	M	1							0.0022	U	1
Dichlorobenzene, 1,4-				0.0007	M	1	0.0007	M	1							0.0007	U	1
Dichlorodifluoromethane				0.0008	U	1	0.0008	U	1							0.0008	U	1
Dichloroethane, 1,1-				0.0003	U	1	0.0003	U	1							0.0003	U	1
Dichloroethane, 1,2-				0.0002	U	1	0.0002	U	1							0.0002	U	1
Dichloroethene, 1,1-				0.0008	U	1	0.0008	U	1							0.0008	U	1
Dichloroethene, cis-1,2-				0.0002	U	1	0.0002	U	1							0.0002	U	1
Dichloroethene, trans-1,2-				0.0003	U	1	0.0003	U	1							0.0003	U	1
Dichloropropene, 1,2-				0.0002	U	1	0.0002	U	1							0.0002	U	1
Dichloropropene, 1,3-				0.0004	U	1	0.0004	U	1							0.0004	U	1
Dichloropropene, 2,2-				0.0001	U													

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Sample ID	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT07	B20-SIFT08	B20-SIFT09	B20-SIFT10	B20-SIFT11	B20-SIFT11	B20-SIFT12	B20-SIFT13	B20-SIFT14				
Sample Date	03/28/00	03/28/00	03/28/00	03/28/00	04/21/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	04/21/00	03/28/00	03/28/00	03/28/00				
Sample Type	N1	FD1	N1	FD1	N1	FD1	N1											
Beginning Depth	5	5	5	5	5	9	0.5	1	6	7	2	0.5	1	1				
Ending Depth	6	6	6	6	6	10	1	2	7	8	8	3	1	1				
Lab ID	00C00751	00C00752	AP90409	AP90410	AP91508	AP91509	AP90413	AP90414	AP90415	AP90416	00C00753	AP90417	AP91512	AP90418	AP90419	AP90420		
	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags	Dilution									
SW8260B (mg/kg) (continued)																		
Trichlorofluoromethane																		
Trichloropropane, 1,2,3-																		
Trimethylbenzene, 1,2,4-																		
Trimethylbenzene, 1,3,5-																		
Vinyl chloride																		
Xylene, m,p-																		
Xylene, o-																		
SW8270C (mg/kg)																		
Acenaphthene																		
Acenaphthylene																		
Anthracene																		
Benzo(a)anthracene																		
Benzo(a)pyrene																		
Benzo(b)fluoranthene																		
Benzo(g,h,i)perylene																		
Benzoic acid																		
Benzyl alcohol																		
Bis(2-chloroethoxy)methane																		
Bis(2-chloroethyl)ether																		
Bis(2-chloroisopropyl)ether																		
Bis(2-ethylhexyl)phthalate																		
Bromophenyl phenyl ether, 4-																		
Butylbenzylphthalate																		
Chloro-3-methylphenol, 4-																		
Chloroaniline, 4-																		
Chloronaphthalene, 2-																		
Chlorophenol, 2-																		
Chlorophenyl phenyl ether, 4-																		
Chrysene																		
Di-n-butylphthalate																		
Di-n-octylphthalate																		
Dibenz(a,h)anthracene																		
Dibenzofuran																		
Dichlorobenzene, 1,2-																		
Dichlorobenzene, 1,3-																		
Dichlorobenzene, 1,4-																		
Dichlorobenzidine, 3,3'																		
Dichlorophenol, 2,4-																		
Diethylphthalate																		
Dimethylphthalol, 2,4-																		
Dimethylphthalate																		
Dinitro-2-methylphenol, 4,6-																		
Dinitrophenol, 2,4-																		
Dinitrotoluene, 2,4-																		
Dinitrotoluene, 2,6-																		
Fluoranthene																		
Fluorene																		
Hexachlorobenzene																		
Hexachlorobutadiene																		
Hexachlorocyclopentadiene																		
Hexachloroethane																		
Indeno[1,2,3-cd]pyrene																		
Iso phorone																		
Methylnaphthalene, 2-																		
Methylphenol, 2- (Cresol, o-)																		
Methylphenol, 4- (Cresol, p-)																		
Naphthalene																		
Nitroaniline, 2-																		
Nitroaniline, 3-																		
Nitroaniline, 4-																		
Nitrobenzene																		
Nitrophenol, 2-																		
Nitrophenol, 4-																		
Nitroso-di-n-propylamine, N-																		
Nitrosodiphenylamine, N-																		
Pentachlorophenol																		
Phenanthrene																		

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Sample ID	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT06	B20-SIFT07	B20-SIFT08	B20-SIFT09	B20-SIFT10	B20-SIFT11	B20-SIFT11	B20-SIFT12	B20-SIFT13	B20-SIFT14				
Sample Date	03/28/00	03/28/00	03/28/00	03/28/00	04/21/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00				
Sample Type	N1	FD1	N1	FD1	N1	FD1	N1											
Beginning Depth	5	5	5	5	5	9	0.5	1	6	7	7	2	0.5	1				
Ending Depth	6	6	6	6	6	10	1	2	8	8	8	3	1	1				
Lab ID	00C00751	00C00752	AP90409	AP90410	AP91508	AP91509	AP90413	AP90414	AP90415	AP90416	00C00753	AP90417	AP91512	AP90418	AP90419	AP90420		
	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags	Dilution									
SW8270C (mg/kg) (continued)																		
Phenol				0.04	U	1	0.04	U	1				0.04	U	1			
Pyrene				0.05	U	1	0.05	U	1				0.05	U	1			
Trichlorobenzene, 1,2,4-				0.04	U	1	0.04	U	1				0.04	U	1			
Trichlorophenol, 2,4,5-				0.04	U	1	0.04	U	1				0.04	U	1			
Trichlorophenol, 2,4,6-				0.04	U	1	0.04	U	1				0.04	U	1			
SW8330 (mg/kg)																		
Dinitrobenzene, 1,3-	0.00748	U	1	0.00748	U	1							0.00748	U	1			
Dinitrotoluene, 2,4-	0.0262	U	1	0.0262	U	1							0.0262	U	1			
Dinitrotoluene, 2,6-	0.0564	U	1	0.0564	U	1							0.0564	U	1			
HMX	0.0219	U	1	0.0219	U	1							0.0219	U	1			
Nitrobenzene	0.0391	U	1	0.0391	U	1							0.0391	U	1			
Nitrotoluene, 2-	0.0772	U	1	0.0772	U	1							0.0772	U	1			
Nitrotoluene, 3-	0.157	U	1	0.157	U	1							0.157	U	1			
Nitrotoluene, 4-	0.104	U	1	0.104	U	1							0.104	U	1			
RDX	0.0148	U	1	0.0148	U	1							0.0148	U	1			
TETRYL	0.0211	U	1	0.0211	U	1							0.0211	U	1			
Trinitrobenzene, 1,3,5-	0.0104	U	1	0.0104	U	1							0.0104	U	1			
Trinitrotoluene, 2,4,6-	0.0306	U	1	0.0306	U	1							0.0306	U	1			

All samples were analyzed by APPL Inc., DataChem, and O'Brien and Gere Laboratories.

Referenced laboratory package numbers: APPL 34668, 32499, 32313

DataChem: 77-01, 95-01

O'Brien and Gere: 5439

All MS/MSD results are presented in the Data Verification Report, Appendix E.

Abbreviations and Notes:

DL Dilution
 FD1 Field Duplicate
 N1 Environmental Sample

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.

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

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Sample ID	B20-SIFT14	B20-SIFT15	B20-SIFT16	B20-SIFT16	B20-SIFT16	B20-SIFT17	B20-SIFT18	RW-B20-Sift19	RW-B20-Sift19	RW-B20-Sift20	RW-B20-Sift20	RW-B20-Sift21	RW-B20-Sift21	RW-B20-Sift22	RW-B20-Sift22	RW-B20-Sift23	RW-B20-Sift23
	Sample Date	03/28/00	03/28/00	03/28/00	03/28/00	04/21/00	03/28/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	
Sample Type	FD1	N1	N1	N1	N1	N1	N1	N1	N1	N1							
Beginning Depth	1	4	9	9	1	2	0	0	0	0	0	0	0	0	0	0	
Ending Depth	1	5	10	10	2	3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Lab ID	AP90421	AP90422	00C00754	AP90423	AP91513	AP90424	AP90425	Q3521	00C00905	Q3522	00C00906	Q3523	00C00907	Q3524	00C00908	Q3525	00C00909
	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags
SW6010B (mg/kg)																	
Barium	256.13	J	2	177.42	J	1	235.32	J	1	171.24	J	1	117.18	J	1	219.2	5
Chromium	20.2	J	1	22.9	J	1	18.6	F	1	16.9	F	1	12.3	F	1	21.4	1
Copper	145.16	J	1	55.29	J	1	102.33	J	1	66.14	J	1	31.88	J	1	24.1	F
Nickel	12.31	J	1	13.27	J	1	10.68	J	1	10.6	J	1	7.17	J	1	14.6	5
Zinc	155.64	J	1	75.03	J	1	97.86	J	1	94.03	J	1	42.21	J	1	478.5	J
SW7060A (mg/kg)																	
Arsenic	14.64	J	5	15.05	J	5	12	J	5	13.07	J	5	10.92	J	5	4.91	J
SW7131A (mg/kg)																	
Cadmium	0.71		5	131.81		500	0.85		5	0.87		5	0.6		5	0.66	1
SW7421 (mg/kg)																	
Lead	504.18	J	250	249.12	J	50	2278.26	J	1000	65.29	J	50	1627.22	J	500	1286	1000
SW7471A (mg/kg)																	
Mercury	0.25	J	1	0.03	F	1	0.27	J	1	0.46	J	1	0.19	J	1	0.024	U
SW8260B (mg/kg)																	
Benzene										0.0003	U	1					
Bromobenzene										0.0003	U	1					
Bromochloromethane										0.0004	U	1					
Bromodichloromethane										0.0003	U	1					
Bromoform										0.0005	U	1					
Bromomethane										0.0007	U	1					
Butylbenzene, N-										0.0006	U	1					
Butylbenzene, sec-										0.0004	U	1					
Butylbenzene, tert-										0.0005	U	1					
Carbon tetrachloride										0.001	U	1					
Chlorobenzene										0.0003	U	1					
Chloroethane										0.0009	U	1					
Chloroform										0.0003	U	1					
Chlorohexane, 1-										0.0003	U	1					
Chlormethane										0.0008	U	1					
Chlorotoluene, 2-										0.0007	U	1					
Chlorotoluene, 4-										0.0006	U	1					
Dibromo-3-chloropropane, 1,2-										0.0007	U	1					
Dibromochloromethane										0.0003	U	1					
Dibromomethane										0.001	U	1					
Dichlorobenzene, 1,2-										0.0005	U	1					
Dichlorobenzene, 1,3-										0.0022	U	1					
Dichlorobenzene, 1,4-										0.0007	U	1					
Dichlorodifluoromethane										0.0008	U	1					
Dichlorethane, 1,1-										0.0003	U	1					
Dichlorethane, 1,2-										0.0002	U	1					
Dichloroethene, 1,1-										0.0008	U	1					
Dichloroethene, cis-1,2-										0.0002	U	1					
Dichloroethene, trans-1,2-										0.0003	U	1					
Dichloropropane, 1,2-										0.0002	U	1					
Dichloropropane, 1,3-										0.0004	U	1					
Dichloropropane, 2,2-										0.001	U	1					
Dichloropropene, 1,1-										0.0006	U	1					
Dichloropropene, cis-1,3-										0.0002	U	1					
Dichloropropene, trans-1,3-										0.0004	U	1					
Ethylbenzene										0.0004	U	1					
Ethylene dibromide										0.0013	U	1					
Hexachlorobutadiene										0.0006	U	1					
Isopropylbenzene										0.0004	U	1					
Isopropyltoluene, 4- (Cymene, p-)										0.0005	U	1					
Methylene chloride										0.0007	U	1					
Naphthalene										0.001	U	1					
Propylbenzene, N-										0.0008	U	1					

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Sample ID	B20-SIFT14	B20-SIFT15	B20-SIFT16	B20-SIFT16	B20-SIFT16	B20-SIFT17	B20-SIFT18	RW-B20-Sift19	RW-B20-Sift19	RW-B20-Sift20	RW-B20-Sift20	RW-B20-Sift21	RW-B20-Sift21	RW-B20-Sift22	RW-B20-Sift22	RW-B20-Sift23	RW-B20-Sift23
Sample Date	03/28/00	03/28/00	03/28/00	03/28/00	04/21/00	03/28/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00	04/21/00
Sample Type	FD1	N1	N1	N1	N1	N1	N1	N1	N1	N1	N1						
Beginning Depth	1	4	9	9	1	2	2	0	0	0	0	0	0	0	0	0	0
Ending Depth	1	5	10	10	10	3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab ID	AP90421	AP90422	00C00754	AP90423	AP91513	AP90424	AP90425	Q3521	00C00905	Q3522	00C00906	Q3523	00C00907	Q3524	00C00908	Q3525	00C00909
SW8260B (mg/kg) (continued)																	
Trichlorodifluoromethane																	
Trichloropropene, 1,2,3-																	
Trimethylbenzene, 1,2,4-																	
Trimethylbenzene, 1,3,5-																	
Vinyl chloride																	
Xylene, m,p-																	
Xylene, o-																	
SW8270C (mg/kg)																	
Acenaphthene																	
Acenaphthylene																	
Anthracene																	
Benz(a)anthracene																	
Benz(a)pyrene																	
Benz(b)fluoranthene																	
Benz(g,h,i)perylene																	
Benzoic acid																	
Benzyl alcohol																	
Bis(2-chloroethoxy)methane																	
Bis(2-chloroethyl)ether																	
Bis(2-chloroisopropyl)ether																	
Bis(2-ethylhexyl)phthalate																	
Bromophenyl phenyl ether, 4-																	
Butylbenzylphthalate																	
Chloro-3-methylphenol, 4-																	
Chloroaniline, 4-																	
Chloronaphthalene, 2-																	
Chlorophenol, 2-																	
Chlorophenyl phenyl ether, 4-																	
Chrysene																	
Di-n-butylphthalate																	
Di-n-octylphthalate																	
Dibenz(a,h)anthracene																	
Dibenozuran																	
Dichlorobenzene, 1,2-																	
Dichlorobenzene, 1,3-																	
Dichlorobenzene, 1,4-																	
Dichlorobenzidine, 3,3'-																	
Dichlorophenol, 2,4-																	
Diethylphthalate																	
Dimethylphenol, 2,4-																	
Dimethylphthalate																	
Dinitro-2-methylphenol, 4,6-																	
Dinitrophenol, 2,4-																	
Dinitrotoluene, 2,4-																	
Dinitrotoluene, 2,6-																	
Fluoranthene																	
Fluorene																	
Hexachlorobenzene																	
Hexachlorobutadiene																	
Hexachlorocyclopentadiene																	
Hexachloroethane																	
Indeno(1,2,3-cd)pyrene																	
Isophorone																	
Methylnaphthalene, 2-																	
Methylphenol, 2- (Cresol, o-)																	
Methylphenol, 4- (Cresol, p-)																	
Naphthalene																	
Nitroaniline, 2-																	
Nitroaniline, 3-																	
Nitroaniline, 4-																	
Nitrobenzene																	
Nitrophenol, 2-																	
Nitrophenol, 4-																	
Nitroso-di-n-propylamine, N-																	
Nitrosodiphenylamine, N-																	
Pentachlorophenol																	
Phenanthrene																	

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Sifted Soil

Sample ID	B20-SIFT14	B20-SIFT15	B20-SIFT16	B20-SIFT16	B20-SIFT16	B20-SIFT17	B20-SIFT18	RW-B20-Sift19	RW-B20-Sift19	RW-B20-Sift20	RW-B20-Sift20	RW-B20-Sift21	RW-B20-Sift21	RW-B20-Sift22	RW-B20-Sift22	RW-B20-Sift23	RW-B20-Sift23
Sample Date	03/28/00	03/28/00	03/28/00	03/28/00	04/21/00	03/28/00	04/21/00	N1									
Sample Type	FD1	N1	N1	N1	N1	N1	N1	0	0	0	0	0	0	0	0	0	0
Beginning Depth	1	4	9	9	1	2	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Ending Depth	1	5	10	10	10	2	3	0.5	0.5	Q3521	00C00905	Q3522	00C00906	Q3523	00C00907	Q3524	00C00908
Lab ID	AP90421	AP90422	00C00754	AP90423	AP91513	AP90424	AP90425	Q3521	00C00905	Q3522	00C00906	Q3523	00C00907	Q3524	00C00908	Q3525	00C00909
SW8270C (mg/kg) (continued)																	
Phenol																	
Pyrene																	
Trichlorobenzene, 1,2,4-																	
Trichlorophenol, 2,4,5-																	
Trichlorophenol, 2,4,6-																	
SW8330 (mg/kg)																	
Dinitrobenzene, 1,3-	0.00748	U	1														
Dinitrotoluene, 2,4-	0.0262	U	1														
Dinitrotoluene, 2,6-	0.0564	U	1														
HMX	0.0219	U	1														
Nitrobenzene	0.0391	U	1														
Nitrotoluene, 2-	0.0772	U	1														
Nitrotoluene, 3-	0.157	U	1														
Nitrotoluene, 4-	0.104	U	1														
RDX	0.0148	U	1														
TETRYL	0.0211	U	1														
Trinitrobenzene, 1,3,5-	0.0104	U	1														
Trinitrotoluene, 2,4,6-	0.0306	U	1														

All samples were analyzed by APPL Inc., DataChem, and O'Brien and Gere Laboratories.

Referenced laboratory package numbers: APPL: 34668, 32499, 32313

DataChem: 77-01, 95-01

O'Brien and Gere: 5439

All MS/MSD results are presented in the Data Verification Report, Appendix E.

Abbreviations and Notes:

DL Dilution

FD1 Field Duplicate

N1 Environmental Sample

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.

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