TABLES

TABLE 2-1:
SOIL BORING SUMMARY

Borehole ID	Location	Date Drilled	Boring Depth (ft)
SB-1	SE of Bldg 167	25-May-95	20
SB-2	NE of Bldg 167	24-May-95	20
SB-3	W of Bldg 202	23-May-95	20
SB-4	W of Bldg 202	23-May-95	20
SB-5	W of Bldg 202	23-May-95	20
SB-6	W of Bldg 202	24-May-95	20
SB-7	SW of Bldg 202	22-May-95	20
SB-8	4th and "M" St	23-May-95	20
SB-9	W of Bldg202	24-May-95	20
SB-10	W of Bldg 118	30-May-95	20
SB-11	W of Bldg 202	30-May-95	20
SB-12	W of Bldg 202	30-May-95	20
SB-13	W of Bldg 202	30-May-95	20
SB-14	W of Bldg 118	31-May-95	20
SB-15	NE of Bldg 202	1-Jun-95	20
SB-16	E of Bldg 167	6-Jun-95	20
SB-17	N of Bldg 167	14-Jun-95	2.5
SB-18	N of Bldg 167	14-Jun-95	5
SB-19	N of Bldg 167	14-Jun-95	5
SB-20	W of Bldg 213	1-Jun-95	4.5
SB-21	W of Bldg 213	1-Jun-95	5
SB-22	E of Bldg 170	6-Jun-95	4.3
SB-23	S of Bldg 216	15-Jun-95	3.5
SB-24	S of Bldg 216	15-Jun-95	6
SB-25	S of Bldg 216	15-Jun-95	6
SB-26	S of Bldg 216	15-Jun-95	3.5
SB-27	N of Bldg 167	14-Jun-95	3.5
SB-28	N of Bldg 167	14-Jun-95	6
SB-29	N of Bldg 167	14-Jun-95	5
SB-30	N o f Bldg 167	14-Jun-95	4
SB-31	NE of Bldg 167	15-Jun-95	6
SB-32	N of Bldg 167	22-May-95	3.5
SB-33	N of Bldg 167	22-May-95	3
SB-34	W of Bldg 202	23-May-95	4
SB-35	W of Bldg 202	22-May-95	4.5
SB-36	W of Bldg 202	22-May-95	4.5
SB-37	W of Bldg 202	23-May-95	4.5
SB-38	E of Bldg 74	14-Jun-95	5
SB-39	E of Bldg 74	13-Jun-95	5.5
SB-40	E of Bldg 74	13-Jun-95	5
SB-41	E of Bldg 74	13-Jun-95	5
SB-42	E of Bldg 74	24-May-95	10
SB-43	W of Bldg 74	24-May-95	10
SB-44	W of Bldg 74	24-May-95	10
SB-45	W of Bldg 74	24-May-95	10
SB-46	SW of Bldg 202	22-May-95	14
SB-47	SW of Bldg 74	25-May-95	14
SB-48	W of Bldg 74	24-May-95	20
SB-49	W of Bldg 74	24-May-95	20
SB-50	E of Bldg 74	14-Jun-95	6
SB-51	W of Gov. Printing Office	13-Jun-95	5
SB-52	W of Gov. Printing Office	13-Jun-95	5
SB-53	W of Gov. Printing Office	13-Jun-95	5
SB-54	W of Gov. Printing Office	13-Jun-95	5
SB-55	W of Gov. Printing Office	13-Jun-95	4
SB-56	W of Gov. Printing Office	13-Jun-95	5
SB-57	S of Gov Printing Office	20-Jun-95	5
SB-58	S of Gov Printing Office	19-Jun-95	5
SB-59	S of Gov Printing Office	19-Jun-95	5
SB-60	S of Gov Printing Office	19-Jun-95	5
SB-61	W of Bldg 159	16-Jun-95	5
SB-62	W of Bldg 159	16-Jun-95	5
SB-63	W of Bldg 159	16-Jun-95	5
SB-64	W of Bldg 159	16-Jun-95	5
SB-65	W of Bldg 159	16-Jun-95	5
SB-66	W of Bldg 159	25-May-95	4
SB-67	W of Bldg 159	15-Jun-95	6
SB-68	W of Bldg 159	15-Jun-95	5
SB-69	W of Bldg 160	25-May-95	5
SB-70	W of Bldg 160	7-Jun-95	4.5
SB-71	W of Bldg 160	6-Jun-95	1.5

TABLE 2-1:
SOIL BORING SUMMARY

Borehole ID	Location	Date Drilled	Boring Depth (ft)
SB-72	W of Bldg 160	6-Jun-95	4.2
SB-73	W of Bldg 160	6-Jun-95	4.3
SB-74	W of Bldg 160	7-Jun-95	4.4
SB-75	W of Bldg 173	19-May-95	4
SB-76	W of Bldg 173	7-Jun-95	0.7
SB-77	W of Bldg 173	7-Jun-95	4.5
SB-78	W of Bldg 173	19-May-95	4
SB-79	W of Bldg 160	7-Jun-95	4.2
SB-80	W of Bldg 160	31-May-95	4
SB-81	NW of Bldg 116	31-May-95	4
SB-82	NW of Bldg 116	31-May-95	4
SB-83	NW of Bldg 116	31-May-95	4
SB-84	W of Bldg 116	31-May-95	4
SB-85	W of Bldg 116	1-Jun-95	4
SB-86	W of Bldg 116	31-May-95	2.4
SB-87	W of Bldg 116	31-May-95	4
SB-88	W of Bldg 116	1-Jun-95	4.5
SB-89	W of Bldg 116	1-Jun-95	3.4
SB-90	W of Bldg 116	1-Jun-95	4.5
SB-91	W of Bldg 118	25-May-95	11
SB-92	W of Bldg 118	25-May-95	11
SB-93	W of Bldg 118	25-May-95	11
SB-94	W of Bldg 118	25-May-95	11
SB-95	W of Bldg 116	30-May-95	4
SB-96	W of Bldg 204	30-May-95	5
SB-97	W of Bldg 204	30-May-95	4.9
SB-98	W of Bldg 204	30-May-95	3
SB-99	W of Bldg 204	30-May-95	5
SB-100	W of Bldg 204	26-May-95	9
SB-101	W of Bldg 204	26-May-95	9
SB-102	W of Bldg 204	26-May-95	9
SB-103	W of Bldg 204	26-May-95	9
SB-104	W of Bldg 204	30-May-95	4.5
SB-105	S of Bldg 204	30-May-95	4.7
SB-106	S of Bldg 204	30-May-95	3.5
SB-107	SW of Bldg 204	30-May-95	4.8
SB-108	SW of Bldg 204	30-May-95	8.5
SB-109	SE of Bldg 204	31-May-95	9.5
SB-110	N of Bldg 204	31-May-95	11
SB-111	N of Bldg 213	1-Jun-95	4.5
SB-112	W of Bldg 216	6-Jun-95	4.5
SB-113	E of Bldg 205	16-Jun-95	5
SB-114	E of Bldg 205	16-Jun-95	5
SB-115	W of Bldg 213	1-Jun-95	4
SB-116	W of Bldg 216	6-Jun-95	4
SB-117	E of Bldg 74	14-Jun-95	5
SB-118	W of Gov Printing Office	7-Jun-95	4.5
SB-119	SW of Gov Printing Office	19-Jun-95	5
SB-120	N of Gov Printing Office	7-Jun-95	2.3
SB-121	S of Gov Printing Office	19-Jun-95	5
SB-122	W of Gov Printing Office	13-Jun-95	5
SB-123	SW of Bldg 159E	23-May-95	4
SB-124	E of Bldg 160	7-Jun-95	5.5
SB-125	E of Bldg 160	7-Jun-95	5.5
SB-126	E of Bldg 173	19-Jun-95	5
SB-127	W of Bldg 187	19-Jun-95	5
SB-128	NE Bldg 158	30-May-95	4
SB-129	W of Bldg 118	14-Jun-95	4
SB-130	SE of Bldg 187	19-May-95	4
SB-131	E of Bldg 158	20-Jun-95	5
SB-132*	SE corner 1st and "M" Streets	19-Jun-95	12
SB-133*	W of Gov Printing Office	20-Jun-95	12
SB-134*	626 E Street SE	21-Jun-95	6
SB-135*	514 4th Street SE	21-Jun-95	5.2

* Background soil sample boreholes

TABLE 3-1
HYDROPUNCH SUMMARY

Hydropunch ID	Location	Boring Depth (ft)	Date Drilled	Borehole Diameter (in)	Depth of Upper GW Sample (ft)	Depth of Lower GW Sample (ft)	APPROXIMATE ELEVATION (MSL) Ground Surface	Upper GW Sample	Lower GW Sample
HP- 1	East of Bldg 205	81	5-May-95	8	27	79	17.4	-9.6	-61.6
HP- 2	South of Bldg 205	79	14-Jun-95	8	16	76	16.1	0.1	-59.9
HP- 3	SW corner 3rd and "M" St	74	10-May-95	8	23	72	18.0	-5.0	-54.0
HP- 4	North of Bldg 167	80	12-May-95	8	23	71	15.5	-7.5	-55.5
HP- 5	East of Bldg 205	80	27-Apr-95	8	22	73	16.4	-5.6	-56.6
HP- 6	East of Bldg 205	80	28-Apr-95	7	21	no recovery	17.4	-3.6	N/A
HP- 7	North of Bldg 191	68	10-May-95	7	22	66	15.4	-6.1	-50.1
HP- 8	North of Bldg 167	79	12-May-95	8	23	73	18.0	-5.0	-55.0
HP- 9	North of Bldg 167	80	15-May-95	7	21	71	12.9	-8.1	-58.1
HP-10	North of Bldg 167	80	16-May-95	8	23	77	17.0	-6.0	-60.0
HP-11	South of Bldg 167	80	17-May-95	8	18	65	12.7	-5.3	-52.3
HP-12	East of Bldg 159	80	24-May-95	8	20	70	13.3	-6.7	-56.7
HP-13	North of Bldg 216	79	4-May-95	8	36	71	16.0	-20.0	-55.0
HP-14	North of Bldg 216	80	8-May-95	7	21	70	16.2	-4.8	-53.8
HP-15	North of Bldg 205	80	10-May-95	8	29	71	16.8	-12.2	-54.2
HP-16	East of Bldg 216	79	9-May-95	8	24	77	15.7	-8.3	-61.3
HP-17	South of Bldg 232	80	16-May-95	8	21	76	15.6	-5.4	-60.4
HP-18	West of Bldg 202	80	15-Jun-95	8	20	68	9.8	-10.2	-58.2
HP-19	Northwest of Bldg 202	73	1-Jun-95	8	31	71	13.3	-17.7	-57.7
HP-20	East of Bldg 167	73	6-Jun-95	7	19	72	13.0	-6.0	-59.0
HP-21	West of Bldg 118	80	31-May-95	8	19	71	8.2	-10.8	-62.8
HP-22	South of Bldg 202	79	22-May-95	7	no recovery	72	8.3	N/A	-63.7
HP-23	West of Bldg 159E	79	23-May-95	8	20	70	11.0	-9.0	-59.0
HP-24	West of Bldg 159E	80	15-May-95	8	9	71	9.9	0.9	-61.1
HP-25	Southwest of Bldg 173	80	19-May-95	8	15	68	9.9	-5.1	-58.1
HP-26	South of Bldg 173	81	4-May-95	8	15	70	9.1	-5.9	-60.9
HP-27	Southwest of Bldg 187	80	3-May-95	8	12	71	9.6	-2.4	-61.4
HP-28	Southeast of Bldg 187	80	19-May-95	7	9	71	9.2	0.2	-61.8

TABLE 3-1
HYDROPUNCH SUMMARY

							APPROXIMATE ELEVATION (MSL)		
Hydropunch ID	Location	Boring Depth (ft)	Date Drilled	Borehole Diameter (in)	Depth of Upper GW Sample (ft)	Depth of Lower GW Sample (ft)	Ground Surface	Upper GW Sample	Lower GW Sample
HP-29	West of Bldg 204	80	18-May-95	8	8	76	8.4	0.4	-67.4
HP-30	East of Bldg 204	80	16-May-95	8	9	71	7.3	-1.7	-63.7
HP-31	South of Bldg 216	80	1-May-95	8	14	80	14.8	0.8	-65.2
HP-32	4th & "M" Streets	80	19-May-95	8	11	71	16.4	5.4	-54.6
HP-33	West of Bldg 116	80	23-May-95	7	19	71	8.8	-10.2	-62.2
HP-34	West of Bldg 116	80	1-May-95	7	11	72	9.5	-1.7	-62.0
HP-35	East of Bldg 170	80	1-May-95	8	11	70	14.4	3.4	-55.6
HP-36	South of Bldg 170	79	9-May-95	8	21	70	14.1	-6.9	-55.9
HP-37	East of Bldg 173	81	28-Apr-95	8	20	80	11.2	-8.8	-68.8
HP-38	West of Bldg 159	53	25-May-95	8	no recovery	53	12.0	N/A	-41.0
HP-39	South of Bldg 159	80	12-May-95	8	9	76	11.4	2.4	-64.6
HP-40	West of Bldg 116	79	26-May-95	8	21	74	8.0	-13.0	-66.0
HP-41	West of Bldg 116	77	2-Jun-95	7	15	76	7.9	-7.1	-68.1

TABLE 3-2
MONITOR WELL SUMMARY

									SURVEYED ELEVATION (MSL)			
Monitor Well ID	Location	Boring Depth (ft)	Date Installed	Borehole Diameter (in)	Well Depth (ft)	Well Diameter (in)	Screened Length (ft)	Depth to Top of Screen (ft)	Ground surface	Top of Riser Pipe	Top of Screen	Bottom of Screen
MW-9	West of Bldg 160	80	31-May-95	10	80	4	10	70	13.76	13.43	-56	-66
MW-10	North of Bldg 191	76	6-Jun-95	10	79	4	10	69	15.41	15.01	-53	-63
MW-11	North of Bldg 167	80	20-Jun-95	10	80	4	10	70	17.43	16.78	-53	-63
MW-12	West of Bldg 205	80	6-Jun-95	12	80	4	20	60	15.42	14.88	-44	-64
MW-13	North of Bldg 191	25	23-Jun-95	12	30	4	15	15	15.45	15.45	0	-15
MW-14	West of Bldg 118	15	21-Jun-95	12	15	4	10	5	8.32	8.1	3	-7
MW-15	West of Bldg 118	80	20-Jun-95	12	80	4	10	70	8.32	8.12	-62	-72
MW-16	South of Bldg 187	80	9-Jun-95	10	80	4	10	70	9.05	8.73	-61	-71
MW-17	South of Bldg 159E	80	12-Jun-95	12	80	4	10	70	9.41	9.25	-61	-71
MW-18	South of Bldg 216	80	23-Jun-95	12	78	4	20	60	13.76	13.29	-46	-66
MW-19	4th and "M" St	15	22-Jun-95	10	15	4	10	5	16.64	16.35	12	2
MW-20	West of Bldg 116	80	13-Jun-95	10	80	4	10	70	9.17	8.89	-61	-71
MW-21	West of Bldg 160	24	23-Jun-95	12	24	4	10	14	13.83	13.37	0	-10

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
1	HP-05	HP005-5AP27-022	Vicinity MW-3	9504278-001		X						X					
1	HP-06	HP006-5AP27-020	Vicinity MW-3	9504278-002		X						X					
1	TRIP	TB005-5AP27	Vicinity MW-3	9504279-001		X											
1	HP-37	HP037-5AP27-020	GW Assessment	9504279-002		X	X				X						
2	HP-05	HP005-5AP28-072	Vicinity MW-3	9504298-001		X						X					
2	HP-37	HP037-5AP28-081	GW Assessment	9504299-001		X	X				X						
2	TRIP	TB006-5AP28	Vicinity MW-3	9504299-003		X											
2	HP-35	HP035-5AP28-011	GW Assessment	9504299-002		X	X				X						
4	HP-35	HP035-5MA01-070	GW Assessment	9505007-001		X	X				X						
4	HP-31	HP031-5MA01-017	GW Assessment	9505007-002		X	X				X						
4	HP-34	HP034-5MA01-011	GW Assessment	9505007-003		X	X				X						
4	HP-34	HP034-5MA01-072	GW Assessment	9505007-004		X	X				X						
4	TRIP	TB034-5MA01	GW Assessment	9505007-005		X											
4	RINSE	RB035-5MA01	GW Assessment	9505007-006		X	X				X						
5	HP-31	HP031-5MA02-080	GW Assessment	9505032-001		X	X				X						
5	TRIP	TB031-5MA02	GW Assessment	9505032-006		X											
5	HP-27	HP027-5MA03-012	GW Assessment	9505032-002		X	X				X						
5	HP-27	HP027-5MA03-071	GW Assessment	9505032-003		X	X				X						
5	HP-26	HP026-5MA03-015	GW Assessment	9505032-004		X	X				X						
5	HP-13	HP013-5MA03-036	GW Assessment	9505031-001		X	X				X						
5	HP-13	DP013-5MA03-036	GW Assessment	9505032-005		X	X				X						
6	HP-13	HP013-5MA04-071	GW Assessment	9505052-001		X	X				X						
6	HP-26	HP026-5MA04-071	GW Assessment	9505054-001		X	X				X						
6	HP-01	HP001-5MA04-027	Vicinity MW-3	9505053-001		X						X					
6	RINSE	RB026-5MA04	GW Assessment	9505054-002		X	X				X						

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
6	TRIP	TB026-5MA04	GW Assessment	9505054-003		X											
7	HP-01	HP001-5MA05-079	Vicinity MW-3	9505069-001		X											
7	HP-14	HP014-5MA05-011	GW Assessment	9505069-002		X	X				X						
7	HP-16	HP016-5MA05-021	GW Assessment	9505069-003		X	X				X						
7	HP-36	HP036-5MA08-021	GW Assessment	9505069-004		X	X				X						
7	TRIP	TB036-5MA08	GW Assessment	9505069-005		X											
8	HP-14	HP014-5MA08-070	GW Assessment	9505078-001		X	X				X						
8	HP-16	HP016-5MA08-077	GW Assessment	9505078-002		X	X				X						
8	HP-36	HP036-5MA08-070	GW Assessment	9505078-003	X	X	X				X						
8	HP-03	HP003-5MA08-025	Vicinity MW-3	9505079-001		X						X					
8	RINSE	RB014-5MA08	GW Assessment	9505078-006		X	X				X						
8	TRIP	TB016-5MA09	GW Assessment	9505078-007		X											
9	HP-03	HP003-5MA10-074	Vicinity MW-3	9505094-001	X	X						X					
9	HP-07	HP007-5MA09-021	Vicinity MW-3	9505094-004		X						X					
9	HP-07	HP007-5MA10-065	Vicinity MW-3	9505094-005		X						X					
9	HP-15	HP015-5MA09-029	GW Assessment	9505095-001		X	X				X						
9	HP-15	HP015-5MA10-071	GW Assessment	9505095-002		X	X				X						
9	RINSE	RB007-5MA10	Vicinity MW-3	9505094-006		X						X					
9	TRIP	TB007-5MA10	Vicinity MW-3	9505094-007		X											
10	HP-39	HP039-5MA10-011	GW Assessment	9505117-001		X	X				X						
10	HP-08	HP008-5MA11-022	Vicinity MW-3	9505118-001		X						X					
10	TRIP	TB039-5MA11	GW Assessment	9505118-003		X											
10	HP-04	HP004-5MA11-021	Vicinity MW-3	9505118-002		X						X					
11	HP-39	HP039-5MA11-076	GW Assessment	9505137-001		X	X				X						

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
11	HP-39	DP039-5MA11-076	GW Assessment	9505137-002		X	X				X						
11	TRIP	TB004-5MA12	Vicinity MW-3	9505136-001		X											
11	HP-04	HP004-5MA12-071	Vicinity MW-3	9505136-002		X						X					
11	HP-08	HP008-5MA12-073	Vicinity MW-3	9505136-003		X						X					
12	HP-24	HP024-5MA12-009	GW Assessment	9505155-001		X	X				X						
12	HP-24	HP024-5MA15-071	GW Assessment	9505155-002		X	X				X						
12	HP-17	HP017-5MA15-026	GW Assessment	9505154-001		X	X				X						
12	HP-09	HP009-5MA15-021	Vicinity MW-3	9505153-001		X						X					
12	HP-09	HP009-5MA15-071	Vicinity MW-3	9505153-002		X						X					
12	TRIP	TB024-5MA12	GW Assessment	9505155-003		X											
13	HP-17	HP017-5MA16-076	GW Assessment	9505162-001		X	X				X						
13	HP-30	HP030-5MA16-009	GW Assessment	9505163-001		X	X				X						
13	TRIP	TB030-5MA16	GW Assessment	9505163-002		X											
14	HP-30	HP030-5MA16-071	GW Assessment	9505172-001		X	X				X						
14	HP-30	RB030-5MA16	GW Assessment	9505172-002		X	X				X						
14	HP-10	HP010-5MA16-023	Vicinity MW-3	9505171-001		X						X					
14	HP-10	HP010-5MA16-077	Vicinity MW-3	9505171-002		X						X					
14	HP-11	HP011-5MA16-018	Vicinity MW-3	9505171-003	X	X						X					
14	TRIP	TB010-5MA17	Vicinity MW-3	9505171-006		X											
15	HP-11	HP011-5MA17-068	Vicinity MW-3	9505183-001		X						X					
15	HP-29	HP029-5MA17-008	GW Assessment	9505185-001		X	X				X						
15	HP-29	DP029-5MA17-008	GW Assessment	9505185-002		X	X				X						
15	HP-28	HP028-5MA17-009	GW Assessment	9505184-001		X	X				X						
15	SB-130	SB130-5MA17-002	ESA Update	9505186-001										X	X	X	X
15	TRIP	TB029-5MA18	ESA Update	9505186-002										X			

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
16	HP-29	HP029-5MA18-076	GW Assessment	9505200-001		X	X				X						
16	HP-25	HP025-5MA18-016	GW Assessment	9505200-002		X	X				X						
16	HP-25	DP025-5MA18-016	GW Assessment	9505201-001		X	X				X						
16	TRIP	TB025-5MA19	GW Assessment	9505201-002		X											
17	HP-28	HP028-5MA19-071	GW Assessment	9505217-001		X	X				X						
17	HP-25	HP025-5MA19-068	GW Assessment	9505217-002		X	X				X						
17	HP-32	HP032-5MA19-011	GW Assessment	9505218-001		X	X				X						48
17	TRIP	TB028-5MA19	GW Assessment	9505218-002		X											
18	HP-32	HP032-5MA19-071	GW Assessment	9505230-001		X	X				X						48
18	TRIP	TB028-5MA22	GW Assessment	9505230-003										X			
18	HP-23	HP023-5MA22-020	GW Assessment	9505230-002		X	X				X						
18	SB-123	SB123--5MA22-002	GW Assessment	9505231-001										X	X	X	X
18	SB-046	SB046-5MA19-013	PPLA Conta. Soils	9505232-001						X		X	X				
18	SB-007	SB007-5MA19-013	TPH Conta. Soils	9505233-001				X									48
18	HP-22	HP022-5MA22-072	GW Assessment	9505229-001		X	X				X						
19	SB-036	SB036-5MA22-002	PPLA Conta. Soils	9505240-001								X					
19	SB-035	SB035-5MA22-002	PPLA Conta. Soils	9505240-002								X					
19	HP-23	HP023-5MA22-072	GW Assessment	9505241-001		X	X				X						
19	TRIP	TB023-5MA23	GW Assessment	9505241-002		X											
20	SB-004	SB004-5MA23-008	TPH Conta. Soils	9505256-001				X									
20	SB-005	SB005-5MA23-013	TPH Conta. Soils	9505256-002				X									
20	SB-034	SB034-5MA23-003	PPLA Conta. Soils	9505257-001								X					
20	SB-037	SB037-5MA23-002	PPLA Conta. Soils	9505257-002								X					
20	HP-33	HP033-5MA23-019	GW Assessment	9505254-001		X					X						

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
20	HP-33	HP033-5MA23-071	GW Assessment	9505254-002		X	X				X						
20	HP-12	HP012-5MA23-022	Vicinity MW-3	9505253-001		X						X					
20	SB-003	SB003-5MA23-008	TPH Conta. Soils	9505255-001				X									
20	TRIP	TB012-5MA24	Vicinity MW-3	9505254-003		X											
21	HP-12	HP012-5MA24-071	Vicinity MW-3	9505273-001		X						X					
21	SB-008	SB008-5MA23-008	TPH Conta. Soils	9505274-001				X									
21	SB-006	SB006-5MA24-013	TPH Conta. Soils	9505274-002				X									
21	SB-009	SB009-5MA24-008	TPH Conta. Soils	9505274-003				X									
21	SB-042	SB042-5MA24-006	PPLA Conta. Soils	9505275-001								X	X				
21	SB-043	SB043-5MA24-006	PPLA Conta. Soils	9505275-002								X	X				
21	SB-044	SB044-5MA24-006	PPLA Conta. Soils	950275-003								X	X				
21	SB-045	SB045-5MA24-006	PPLA Conta. Soils	9505275-004								X	X				
21	TRIP	TB012-5MA25	Vicinity MW-3	9505273-002		X											
22	SB-002	SB002-5MA24-013	TPH Conta. Soils	9505283-001				X									
22	HP-40	HP040-5MA25-021	GW Assessment	9505282-001		X	X				X						
22	TRIP	TB040-5MA26	GW Assessment	9505282-002		X											
23	HP-38	HP038-5MA26-053	GW Assessment	9505316-001		X	X										
23	HP-40	HP040-5MA26-074	GW Assessment	9505316-002		X	X				X						5
23	SB-046	SB046-5MA19-002	PPLA Conta. Soils	9505317-001								X	X				
23	SB-049	SB049-5MA24-001	PPLA Conta. Soils	9505317-002								X	X				
23	SB-094	SB094-5MA25-009	PPLA Conta. Soils	9505317-003						X							
23	SB-049	SB049-5MA24-016	PPLA Conta. Soils	9505317-004						X		X	X				
23	SB-102	SB102-5MA26-007	PPLA Conta. Soils	9505317-005						X		X	X				
23	SB-048	SB048-5MA24-001	PPLA Conta. Soils	9505317-006								X	X				
23	SB-048	SB048-5MA24-016	PPLA Conta. Soils	9505317-007								X	X				
23	SB-047	SB047-5MA25-002	PPLA Conta. Soils	9505317-008								X	X				

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
23	SB-047	SB047-5MA25-012	PPLA Conta. Soils	9505317-009								X	X				
23	SB-101	SB101-5MA26-007	PPLA Conta. Soils	9505317-010								X	X				
23	SB-103	RB103-5MA26	PPLA Conta. Soils	9505317-011						X		X	X				
23	TRIP	TB040-5MA30	GW Assessment	9505316-003		X											
24	SB-001	SB001-5MA25-013	TPH Conta. Soils	9505334-001				X									
24	SB-128	SB128-5MA25-002	ESA Update	9505333-001										X	X	X	X
24	SB-010	SB010-5MA30-003	TPH Conta. Soils	9505334-002				X									
24	SB-011	SB011-5MA30-003	TPH Conta. Soils	9505334-003				X									
24	SB-012	SB012-5MA30-013	TPH Conta. Soils	950334-004				X									
24	SB-013	SB013-5MA30-018	TPH Conta. Soils	950334-005				X									
24	TRIP	TB128-5MA31	ESA Update	9505333-002										X			
25	HP-21	HP021-5MA31-019	GW Assessment	9506001-001		X	X				X						
25	SB-014	SB014-5MA31-013	TPH Conta. Soils	9506002-001				X									
25	SB-108	SB108-5MA30-002	PPLA Conta. Soils	9506003-001						X		X	X				
25	SB-100	SB100-5MA26-007	PPLA Conta. Soils	9506003-002								X	X				
25	SB-106	SB106-5MA25-002	PPLA Conta. Soils	9506003-003								X	X				
25	SB-103	SB103-5MA26-007	PPLA Conta. Soils	9506003-004								X	X				
25	SB-104	SB104-5MA25-002	PPLA Conta. Soils	9506003-005								X	X				
25	SB-105	SB105-5MA25-002	PPLA Conta. Soils	9506003-006								X	X				
25	SB-096	SB096-5MA30-002	PPLA Conta. Soils	9506003-007								X	X				
25	SB-097	SB097-5MA30-002	PPLA Conta. Soils	9506003-008						X		X	X				
25	SB-096	SB096-5MA30-002	PPLA Conta. Soils	9506003-009								X	X				
25	SB-107	SB107-5MA30-002	PPLA Conta. Soils	9506003-010								X	X				
25	SB-108	SB108-5MA30-007	PPLA Conta. Soils	9506003-011								X	X				
25	HP-21	HP021-5MA31-071	GW Assessment	9506001-002		X	X				X						
25	SB-098	SB098-5MA30-002	PPLA Conta. Soils	9506003-012								X	X				

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
25	SB-099	SB099-5MA30-002	PPLA Conta. Soils	9506003-013								X	X				
26	SB-110	SB110-5MA31-009	PPLA Conta. Soils	9506003-014								X	X				
26	TRIP	TB021-5JN01	GW Assessment	9506001-003		X											
27	SB-087	SB087-5MA31-002	PPLA Conta. Soils	9506016-001						X		X	X				
27	SB-081	SB081-5MA31-002	PPLA Conta. Soils	9506016-002								X	X				
27	SB-082	SB082-5MA31-002	PPLA Conta. Soils	9506016-003								X	X				
27	SB-083	SB083-5MA31-002	PPLA Conta. Soils	9506016-004								X	X				
27	SB-084	SB084-5MA31-002	PPLA Conta. Soils	9506016-005								X	X				
27	SB-086	SB086-5MA31-002	PPLA Conta. Soils	9506016-006								X	X				
27	SB-109	SB109-5MA31-002	PPLA Conta. Soils	9506016-007								X	X				
27	SB-109	SB109-5MA31-007	PPLA Conta. Soils	9506016-008								X	X				
27	SB-015	DP015-5JN01-018	TPH Conta. Soils	9506017-004				X									
27	RINSE	RB015-5JN01	TPH Conta. Soils	9506017-009				X									
28	SB-085	SB085-5JN01-002	PPLA Conta. Soils	9506016-009								X	X				
28	SB-088	SB088-5JN01-002	PPLA Conta. Soils	9506016-010					X			X	X				
28	SB-088	DP088-5JN01-002	PPLA Conta. Soils	9506016-011					X			X	X				
28	SB-089	SB089-5JN01-002	PPLA Conta. Soils	9506016-012					X	X		X	X				
28	SB-090	SB090-5JN01-002	PPLA Conta. Soils	9506016-013					X			X	X				
28	SB-015	SB015-5JN01-018	TPH Conta. Soils	9506017-005				X									
28	SB-015	SB015-5JN01-008	TPH Conta. Soils	9506017-006	X			X									
28	SB-115	SB115-5JN01-002	ESA Update	9506018-001										X	X	X	X
28	SB-111	SB111-5JN01-002	ESA Update	9506018-002										X	X	X	X
28	TRIP	TB115-5JN01	ESA Update	9506018-003										X			
29	HP-41	HP041-5JN02-015	GW Assessment	9506036-001		X	X				X						
29	HP-19	HP019-5JN01-027	GW Assessment	9506036-002		X	X				X						
29	HP-19	HP019-5JN01-071	GW Assessment	9506036-003		X	X				X						

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
29	TRIP	TB019-5JN05	GW Assessment	9506036-004		X											
30	HP-41	HP041-5JN02-076	GW Assessment	9506055-001		X	X				X						
30	HP-20	HP020-5JN05-019	GW Assessment	9506055-002		X	X				X						
30	SB-16	RB016-5JN02	PPLA Conta. Soils	9506056-001				X									
30	TRIP	TB041-5JN06	GW Assessment	9506055-003		X											
31	HP-20	HP020-5JN06-072	GW Assessment	9506075-001		X	X				X						
31	SB-116	SB116-5JN06-002	ESA Update	9506076-001										X	X	X	X
31	SB-112	SB112-5JN06-002	ESA Update	9506076-002										X	X	X	X
31	SB-116	DP116-5JN06-002	ESA Update	9506076-003										X	X	X	X
31	TRIP	TB116-5JN07	ESA Update	9506076-004										X			
32	SB-022	RB022-5JN06	PPLA Conta. Soils	9506095-001					X	X			X				
32	SB-016	SB016-5JN02-003	TPH Conta. Soils	9506096-001				X									
32	SB-016	DP016-5JN02-003	TPH Conta. Soils	9506096-002				X									
32	SB-071	SB071-5JN06-002	PPLA Conta. Soils	9506095-002						X							
32	SB-072	SB072-5JN06-002	PPLA Conta. Soils	9506095-003						X							
32	SB-022	SB022-5JN06-002	PPLA Conta. Soils	9506095-004				X	X				X				
32	SB-022	SB022-5JN06-002	PPLA Conta. Soils	9506228-001													
32	SB-022	SB022-5JN06-002	PPLA Conta. Soils	9506228-002													
32	SB-124	SB124-5JN07-002	ESA Update	9506097-001										X	X	X	X
32	SB-125	SB125-5JN07-002	ESA Update	9506097-002										X	X	X	X
32	SB-118	DP118-5JN07-002	ESA Update	9506097-003										X	X	X	X
32	SB-118	SB118-5JN07-002	ESA Update	9506097-004										X	X	X	X
32	SB-120	SB120-5JN07-002	ESA Update	9506097-005										X	X	X	X
32	TRIP	TB124-5JN08	ESA Update	9506097-006										X			

TABLE 4-1
SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
33	SB-074	SB074-5JN07-002	PPLA Conta. Soils	9506157-001						X							
33	SB-051	SB051-5JN13-002	PPLA Conta. Soils	9506157-002								X	X				
33	SB-052	SB052-5JN13-002	PPLA Conta. Soils	9506157-003								X	X				
33	SB-053	SB053-5JN13-002	PPLA Conta. Soils	9506157-004	X							X	X				
33	SB-054	SB054-5JN13-002	PPLA Conta. Soils	9506157-007	X							X	X				
33	SB-055	SB055-5JN13-002	PPLA Conta. Soils	9506157-010								X	X				
33	SB-056	SB056-5JN13-002	PPLA Conta. Soils	9506157-011								X	X				
33	SB-052	DP052-5JN13-002	PPLA Conta. Soils	9506157-012								X	X				
33	HP-02	HP002-5JN13-016	MW-3 Vicinity	9506156-001		X						X					
33	SB-122	SB122-5JN13-002	ESA Update	9506158-001										X	X	X	X
33	TRIP	TB122-5JN13	ESA Update	9506158-002										X			
34	SB-076	SB076-5JN07-002	PPLA Conta. Soils	9506160-001						X							
34	SB-040	SB040-5JN13-002	PPLA Conta. Soils	9506160-002						X			X				
34	SB-041	SB041-5JN13-002	PPLA Conta. Soils	9506160-003									X				
34	SB-039	SB039-5JN13-002	PPLA Conta. Soils	9506160-004									X				
35	SB-038	SB038-5JN14-002	PPLA Conta. Soils	9506183-001									X				
35	SB-050	SB050-5JN14-002	PPLA Conta. Soils	9506183-002	X					X		X	X				
35	SB-050	RB050-5JN14	PPLA Conta. Soils	9506183-005						X		X	X				
35	HP-02	HP002-5JN14-076	Vicinity MW-3	9506184-001		X											
35	SB-117	SB117-5JN14-002	ESA Update	9506185-001										X	X	X	X
35	SB-117	RB117-5JN14	Rinsate Blank	9506185-002										X	X	X	X
35	SB-129	SB129-5JN14-002	ESA Update	9506185-003										X	X	X	X
35	TRIP	TB117-5JN14	ESA Update	9506185-004										X			
35	TRIP	TB129-5JN14	ESA Update	9506185-005										X			
36	HP-18	HP018-5JN14-020	GW Assessment	9506184-002		X	X				X						

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SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
37	HP-18	HP018-5JN15-072	GW Assessment	9506202-001		X	X				X						
37	SB-024	SB024-5JN15-002	PPLA Conta. Soils	9506203-001									X				
37	SB-026	SB026-5JN15-002	PPLA Conta. Soils	9506203-002									X				
37	SB-023	SB023-5JN15-002	PPLA Conta. Soils	9506203-003									X				
37	SB-025	SB025-5JN15-002	PPLA Conta. Soils	956203-004									X				
37	TRIP	TB018-5JN16	GW Assessment	9560202-002		X											
38	SB-113	SB113-5JN16-002	ESA Update	9506217-001										X	X	X	X
38	SB-114	SB114-5JN16-002	ESA Update	9506217-002										X	X	X	X
38	SB-114	RB114-5JN16	ESA Update	9506217-003										X	X	X	X
38	SB-017	SB017-5JN14-002	PPLA Conta. Soils	9506216-001						X							
38	SB-067	SB067-5JN15-002	PPLA Conta. Soils	9506216-002						X							
38	SB-113	TB113-5JN19	ESA Update	9506217-004										X			
40	SB-119	SB119-5JN19-002	ESA Update	9506224-001	X									X	X	X	X
40	AB-121	SB121-5JN19-002	ESA Update	9506224-004	X									X	X	X	X
40	SB-126	SB126-5JN19-002	ESA Update	9506224-007										X	X	X	X
40	SB-127	SB127-5JN19-002	ESA Update	9506224-008										X	X	X	X
40	SB-132	SB132-5JN19-002	ESA Update	9506224-009										X	X	X	X
40	SB-132	SB132-5JN19-010	ESA Update	9506224-010										X	X	X	X
40	TRIP	TB119-5JN20	ESA Update	9506224-011										X			
41	SB-131	SB131-5JN20-002	ESA Update	9506230-001										X	X	X	X
41	SB-133	SB133-5JN20-002	ESA Update	9506230-002										X	X	X	X
41	SB-133	SB133-5JN20-010	ESA Update	9506230-003										X	X	X	X
41	TRIP	TB133-5JN21	ESA Update	9506230-004										X			
42	SB-134	SB134-5JN21-005	ESA Update	9506241-001										X	X	X	X

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SUMMARY OF SAMPLING ACTIVITIES

					QC	Analytical Schedule											
COC	LOCATION	SAMPLE ID	AREA	LAB ID	MS/MSD	VOC 8240	SVOC 8270	TPH 8015	PCB 8080	PAH 8310	Metals 6010 (trace)	Pb 6010 (trace)	As 6010 (trace)	CLP VOA	CLP SVOC	CLP Pest/PCB	CLP Metals
42	SB-134	SB134-5JN21-001	ESA Update	9506241-002										X	X	X	X
42	SB-135	SB135-5JN21-004	ESA Update	9506241-003										X	X	X	X
42	SB-135	SB135-5JN21-001	ESA Update	9506241-004										X	X	X	X
42	TRIP	TB134-5JN22	ESA Update	9506241-005										X			
43	MW-15	MW015-5JL06	GW Assessment	9507053-001		X	X				X						
43	MW-21	MW021-5JL06	GW Assessment	9507053-002		X	X	X			X						
43	MW-14	MW014-5JL06	GW Assessment	9507053-003		X	X				X						
43	MW-13	MW013-5JL06	MW-3 Vicinity	9507054-001		X		X				X					
43	MW-09	RB009-5JL06	MW-3 Vicinity	9507054-002		X		X				X					
43	MW-09	MW009-5JL06	MW-3 Vicinity	9507054-003		X		X				X					
43	MW-19	MW019-5JL06	GW Assessment	9507053-004		X	X				X						
43	TRIP	TB009-5JL07	MW-3 Vicinity	9507054-004		X											
44	MW-03	MW003-5JL06	MW-3 Vicinity	9507058-001		X		X				X					
44	MW-11	MW011-5JL06	GW Assessment	9507059-001		X	X				X						
44	MW-10	MW010-5JL06	MW-3 Vicinity	9507058-002		X		X				X					
44	MW-10	DP010-5JL06	MW-3 Vicinity	9507058-003		X		X				X					
44	MW-12	MW012-5JL07	MW-3 Vicinity	9507058-004		X	X				X						
44	MW-16	MW016-5JL07	GW Assessment	9507059-002		X	X				X						
44	MW-17	MW017-5JL07	GW Assessment	9507059-005		X	X				X						
44	MW-17	DP017-5JL07	GW Assessment	9507059-006		X	X				X						
44	MW-18	MW018-5JL07	GW Assessment	9507059-007		X	X				X						
44	MW-18	RB018-5JL07	GW Assessment	9507059-008		X	X				X						
44	MW-20	MW020-5JL07	GW Assessment	9507059-009		X	X				X						
44	TRIP	TB017-5JL07	GW Assessment	9507059-010		X											

TABLE 4-2a
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID DILUTION FACTOR SDG	HP013-5MA03-036 1.0 9505031	Q	DP013-5MA03-036 1.0 9505032	Q	RPD %
SEMIVOLATILE ORGANICS (µg/Kg)						
bis(2-Ethylhexyl)phthalate		2.4	B	ND		IN
METALS (mg/Kg)						
Aluminum		337000		522000		43
Antimony			R	24.1	L	IN
Arsenic		163	L	199	L	20
Barium		2730		2870		5
Beryllium		40.2	L	44.6	L	10
Cadmium		9.6		10.4		8
Calcium		96600	J	98100	J	2
Chromium		1770		2140		19
Cobalt		212		213		0
Copper		1400		1410		1
Iron		664000		758000		13
Lead		668	L	694	L	4
Magnesium		81400		86100		6
Manganese		6630	B	6890		IN
Mercury		0.2	J	0.79	J	119
Nickel		659	L	734	L	11
Potassium		40400		47500		16
Selenium		117	L	158	L	30
Sodium		308000		325000		5
Vanadium		3240		3590		10
Zinc		1800	L	1820		1

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2b
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID / DILUTION FACTOR / SDG	HP025-5MA18-016 / 1.0 / 9505200	Q	DP025-5MA18-016 / 1.0 / 9505201	Q	RPD %
SEMIVOLATILE ORGANICS (µg/Kg)						
Naphthalene		ND		2.4	J	IN
Acenaphthene		ND		1.5	J	IN
Phenanthrene		1.9	L	5.1	J	91
Di-n-butylphthalate		1.5	L	ND		IN
Flouranthene		1.3	L	3.2	J	84
Pyrene		1.4	L	2.9	J	70
Benzo(a)anthracene		ND		1.3	J	IN
Chrysene		ND		1.4	J	IN
METALS (mg/Kg)						
Aluminum		119000	J	147000	J	21
Arsenic		114	L	149	L	27
Barium		1180	L	1550	L	27
Beryllium		12.9	L	16.3	L	23
Calcium		433000		621000		36
Chromium		492		620		23
Cobalt		133	L	184	L	32
Copper		463		610		27
Iron		335000	J	420000	J	23
Lead		3550		4860		31
Magnesium		48600		63500		27
Manganese		3970		5260	B	IN
Mercury		24.8	K	10.5	K	81
Nickel		259	L	328	L	24
Potassium		25800	L	31300	L	19
Sodium		82700		84000		2
Vanadium		426	L	759	L	56
Zinc		1200		1560		26

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2c
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID / DILUTION FACTOR / SDG	HP029-5MA17-008 1.0 9505185	Q	DP029-5MA17-008 1.0 9505185	Q	RPD %
METALS (mg/Kg)						
Aluminum		47300		86700		59
Arsenic		85.9		150		54
Barium		874	B	1200		IN
Beryllium		8.2		13.1		46
Cadmium		5.3		6.9		26
Chromium		302	B	585		IN
Cobalt		94.8		145		42
Copper		1070		1840		53
Lead		600		1140		62
Magnesium		42900		64800		41
Mercury		6.8		7.8		14
Nickel		259		466		57
Potassium		7030	B	9750		IN
Silver		14.8		29		65
Vanadium		166		311		61
Zinc		3130		4760		41

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2d
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID DILUTION FACTOR SDG	HP039-5MA11-076 1.0 9505137	Q	DP039-5MA11-076 1.0 9505137	Q	RPD %
METALS (mg/Kg)						
Aluminum		321000		246000		26
Arsenic		132		104		24
Barium		4260		3330		25
Beryllium		55.7		44		23
Cadmium		15.8		12.2		26
Calcium		125000		97200		25
Chromium		1460		1080		30
Cobalt		575		457		23
Copper		1240		968		25
Iron		932000		715000		26
Lead		557		437		24
Magnesium		88700		69400		24
Manganese		21000		16300		25
Mercury		1.1		0.98		12
Nickel		918		710		26
Potassium		35700		27000		28
Vanadium		1110		879		23
Zinc		2630		2020		26

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2e
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID DILUTION FACTOR SDG	MW010-5JL06 1.0 507058	Q	DP010-5JL06 1.0 507058	Q	RPD %
SEMIVOLATILE ORGANICS (µg/Kg)						
Methylene Chloride		ND		7.6	B	IN
TPH (total petroleum hydrocarbons) (mg/Kg)						
Hydrocarbons heavier than diesel.		1.1	SJ	1.2	SHJ	9

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias
K = Estimated value has high bias
B = Possible blank contamination

TABLE 4-2f
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID DILUTION FACTOR SDG	MW017-5JL07 1.0 9507059	Q	DP017-5JL07 1.0 9507059	Q	RPD %
VOLATILE ORGANICS (µg/Kg)						
Chloroform		19		20		5
SEMIVOLATILE ORGANICS (µg/Kg)						
bis(2-Ethylhexyl)phthalate		8.9	J	9.4	J	5
Di-n-octylphthalate		1.5	J	1.6	J	6
METALS (mg/Kg)						
Barium		112		112		0
Lead		11.3		ND		IN
Potassium		139000		137000		1
Sodium		51300		51600		1

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2g
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID SDG	SB015-5JN01-018 9506017	Q	DP015-5JN01-018 9506017	Q	RPD %
TPH (total petroleum hydrocarbons) (mg/Kg)						
Hydrocarbons heavier than diesel.		ND		ND		IN

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2h
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID SDG	SB016-5JN02-003 9506096	Q	DP016-5JN02-003 9506096	Q	RPD %
TPH (Total Petroleum Hydrocarbons) (mg/Kg)						
Hydrocarbons heavier than diesel.		7000	HJ	4600	HJ	41

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias
K = Estimated value has high bias

TABLE 4-2i
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID SDG	SB052-5JN13-002 9506157	Q	DP052-5JN13-002 9506157	Q	RPD %
METALS (mg/Kg)						
Arsenic		5.9	K	8.9	K	41
Lead		175	J	210	J	18

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2j
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID DILUTION FACTOR SDG	SB088-5JN01-002 1.0 9506016	Q	DP088-5JN01-002 1.0 9506016	Q	RPD %
POLYCHLORINATED BIPHENYLS (PCBs) (µg/Kg)						
AR 1260		240		250		4
METALS (mg/Kg)						
Arsenic		7.5		15.2		68
Lead		232	J	226	J	3

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2k
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID / SDG	SB096-5MA30-002 9506003	Q	DP096-5MA30-002 9506003	Q	RPD %
METALS (mg/Kg)						
Arsenic		12.6		9.8		25
Lead		477		480		1

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-2(l)
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID DILUTION FACTOR SDG	SB116-5JN06-002 1.0 9506076	Q	DP116-5JN06-002 1.0 9506076	Q	RPD %
VOLATILE ORGANICS (µg/Kg)						
Acetone		26		38	J	38
SEMIVOLATILE ORGANICS (µg/Kg)						
1,3-Dichlorobenzene		122	J	ND		IN
1,4-Dichlorobenzene		114	J	ND		IN
1,2-Dichlorobenzene		76	J	ND		IN
Nitrobenzene		182	J	ND		IN
Isophorone		78	J	ND		IN
1,2,4-Trichlorobenzene		98	J	ND		IN
Naphthalene		240	J	154	J	44
2-Methylnaphthalene		380		280	J	30
Acenaphthylene		ND		76	J	IN
Acenaphthene		440		420		5
Dibenzofuran		500		500		0
Fluorene		580		700		19
Phenanthrene		1720		1700		1
Anthracene		320	J	200	J	46
Carbazole		380		260	J	38
Flouranthene		1700		1700		0
Pyrene		1260		840		40
Benzo(a)anthracene		820		660		22
Chrysene		820		740		10
Benzo(b)fluoranthene		1560		1300		18
Benzo(k)fluoranthene		720		1200		50
Benzo(a)pyrene		560		280	J	67
Indeno[1,2,3-cd]pyrene		860		540		46
Dibenz[a,h]anthracene		660		440		40
Benzo[g,h,i]perylene		280	J	ND		IN
PESTICIDES (µg/Kg)						
beta-BHC		30	J	37	J	21
METALS (mg/Kg)						
Aluminum		8420		9710		14
Barium		130		142		9
Beryllium		0.61	K	0.65	K	6
Calcium		20500	J	25600	J	22
Chromium		25.4		48.7		63
Cobalt		10.8	J	12.5	K	15
Copper		89.9	L	60.1	L	40
Iron		17200	J	17700	J	3
Lead		282	L	209	L	30
Magnesium		4450	J	6550	J	38
Manganese		538	J	590	J	9
Mercury		ND		0.16	L	IN
Potassium		2550		3830		40
Vanadium		20.7	K	30.7		39
Zinc		130	J	116	J	11

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias
K = Estimated value has high bias

TABLE 4-2m
COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS

DETECTED COMPOUNDS	SAMPLE ID DILUTION FACTOR SDG	SB118-5JN07-002 1.0 9506097	Q	DP118-5JN07-002 1.0 9506097	Q	RPD %
VOLATILE ORGANICS (µg/Kg)						
Acetone		20		15		29
SEMIVOLATILE ORGANICS (µg/Kg)						
Phenanthrene		ND		190	J	IN
Flouranthene		110	J	180	J	48
Pyrene		100	J	160	J	46
Benzo(a)anthracene		ND		77	J	IN
Chrysene		ND		110	J	IN
Benzo(b)fluoranthene		ND		140	J	IN
Benzo(k)fluoranthene		ND		160	J	IN
Benzo(a)pyrene		ND		120	J	IN
Indeno[1,2,3-cd]pyrene		ND		140	J	IN
Benzo[g,h,i]perylene		ND		120	J	IN
PESTICIDES (µg/Kg)						
beta-BHC		1.9	J	ND		IN
METALS (mg/Kg)						
Aluminum		6740		4840		33
Barium		47.5	K	37.3	K	24
Beryllium		0.49	K	0.51	K	4
Calcium		5900	J	3230	J	58
Cobalt		6.4	K	3.6	K	56
Copper		31.4	L	14.8	L	72
Iron		13500	J	8690	J	43
Lead		13	L	10.9	L	18
Magnesium		2560	J	1340	J	63
Manganese		103	J	59.4	J	54
Potassium		638	J	572	J	11
Silver		ND		1.8		IN
Vanadium		32.4		15.8	K	69
Zinc		32.7	J	24.8	J	27

Note:
RPD (Relative Percent Difference)
ND (Non-detect)
IN (Indeterminate)
SDG (Sample Delivery Group)

Qualifiers (Q):
J = Estimated value
L = Estimated value has low bias

TABLE 4-3a
SUMMARY OF REJECTED DATA
(SEMIVOLATILE ACID FRACTIONS IN SOIL SAMPLES)

Sample ID	SB120-5JN07-002	SB130-5MA17-002
Location	SB-120	SB-130
Depth (feet)	2-4	2-4
Matrix	Soil	Soil
Sampling Date	7-June-95	17-May-95
Semivolatile (µg/Kg)		
Phenol	R	R
2-Chlorophenol	R	R
2-Methylphenol	R	R
4-Methylphenol	R	R
2-Nitrophenol	R	R
2,4-Dimethylphenol	R	R
2,4-Dichlorophenol	R	R
4-Chloro-3-methylphenol	R	R
2,4,6-Trichlorophenol	R	R
2,4,5-Trichlorophenol	R	R
2,4-Dinitrophenol	R	R
4-Nitrophenol	R	R
4,6-Dinitro-2-methylphenol	R	R
Pentachlorophenol	R	R

R - Rejected

TABLE 4-3b
SUMMARY OF REJECTED DATA
(SEMIVOLATILE FRACTIONS IN HYDROPUNCH SAMPLES)

Sample ID	HP028-5MA17-009	HP032-5MA19-011
Location	HP-28	HP-32
Depth	9-11	11-13
Matrix	Aqueous	Aqueous
Sampling Date	17-May-95	19-May-95
Semivolatile (ug/Kg)		
N-Nitroso-di-n-propylamine	R	R
1,2-Dichlorobenzene	R	R
bis(2-chloroisopropyl)ether	R	R
Hexachloroethane	R	R
Nitrobenzene	R	R
Carbazole	R	R
Di-n-butylphthalate	R	R
Fluoranthene	R	R
Pyrene	R	R
Butylbenzylphthalate	R	R
3,3'-Dichlorobenzidine	R	R
Benzo[a]anthracene	R	R
Chrysene	R	R
Di-n-octylphthalate	R	R
Benzo[b]fluoranthene	R	R
Isophorone	R	R
bis(2-Chloroethoxy)methane	R	R
1,2,4-Trichlorobenzene	R	R
Naphthalene	R	R
4-Chloroaniline	R	R
Hexachlorobutadiene	R	R
Benzo[k]fluoranthene	R	R
Benzo[a]pyrene	R	R
Indeno[1,2,3-cd]pyrene	R	R
Dibenz[a,h]anthracene	R	R
Benzo[g,h,i]perylene	R	R
bis(2-Chloroethyl)ether	R	R
1,3-Dichlorobenzene	R	R
1,4-Dichlorobenzene	R	R
Dibenzofuran	R	R
2,4-Dinitrotoluene	R	R
Diethylphthalate	R	R
4-Chlorophenyl-phenylether	R	R
Fluorene	R	R
4-Nitroaniline	R	R
n-Nitrosodiphenylamine	R	R
4-Bromophenyl-phenylether	R	R
Hexachlorobenzene	R	R
Phenanthrene	R	R
Anthracene	R	R
2-Methylnaphthalene	R	R
Hexachlorocyclopentadiene	R	R
2-Chloronaphthalene	R	R
2-Nitroaniline	R	R
Dimethylphthalate	R	R
Acenaphthylene	R	R
2,6-Dinitrotoluene	R	R
3-Nitroaniline	R	R
Acenaphthene	R	R
Phenol		R
2-Chlorophenol		R
2-Nitrophenol		R
2,4-Dimethylphenol		R
2,4-Dichlorophenol		R
4-Chloro-3-methylphenol		R
2,4,6-Trichlorophenol		R
2,4,5-Trichlorophenol		R
2,4-Dinitrophenol		R
4-Nitrophenol		R
4,6-Dinitro-2-methylphenol		R
Pentachlorophenol		R
bis(2-Ethylhexyl)phthalate	R	R
2-Methylphenol		R
4-Methylphenol		R

R - Rejected

TABLE 4-3c
SUMMARY OF REJECTED DATA
(METALS IN HYDROPUNCH SAMPLES)

Sample ID	HP013-5MA03-036	HP015-5MA09-029	HP015-5MA10-071	HP018-5JN14-020	HP018-5JN15-072	HP021-5MA31-019
Location	HP-13	HP-15	HP-15	HP-18	HP-18	HP-21
Depth (feet)	36-38	29-31	71-73	20-22	72-74	21-23
Matrix	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Sampling Date	3-May-95	9-May-95	10-May-95	14-Jun-20	15-Jun-72	31-May-95
Metals (mg/Kg)						
Selenium		R	R			R
Antimony	R	R	R	R	R	R
Thallium		R	R			
Arsenic		R	R			
Silver		R	R			

R - Rejected

TABLE 4-3c
SUMMARY OF REJECTED DATA
(METALS IN HYDROPUNCH SAMPLES)

Sample ID	HP021-5MA31-071	HP022-5MA22-072	HP023-5MA22-020	HP025-5MA18-016	DP025-5MA18-016	HP025-5MA19-068
Location	HP-21	HP-22	HP-23	HP-25	HP-25	HP-25
Depth (feet)	71-73	72-74	20-22	16-18	16-18	68-70
Matrix	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Sampling Date	31-May-95	22-May-95	22-May-95	18-May-95	18-May-95	19-May-95
Metals (mg/Kg)						
Selenium	R	R	R			
Antimony	R	R	R	R	R	R
Thallium		R	R	R	R	R
Arsenic						
Silver		R	R			

R - Rejected

TABLE 4-3c
SUMMARY OF REJECTED DATA
(METALS IN HYDROPUNCH SAMPLES)

Sample ID	HP027-5MA03-012	HP027-5MA03-071	HP028-5MA19-071	HP029-5MA18-076	HP031-5MA02-080	HP032-5MA19-011
Location	HP-27	HP-27	HP-28	HP-29	HP-31	HP-32
Depth (feet)	12-14	71-73	71-73	76-78	80-82	11-13
Matrix	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Sampling Date	3-May-95	3-May-95	19-May-95	18-May-95	2-May-95	19-May-95
Metals (mg/Kg)						
Selenium	R	R			R	
Antimony	R	R	R	R		R
Thallium			R	R		R
Arsenic						
Silver						

R - Rejected

TABLE 4-3c
SUMMARY OF REJECTED DATA
(METALS IN HYDROPUNCH SAMPLES)

Sample ID	HP032-5MA19-071	HP040-5MA26-074
Location	HP-32	HP-40
Depth (feet)	71-73	74-76
Matrix	Aqueous	Aqueous
Sampling Date	19-May-95	26-May-95
Metals (mg/Kg)		
Selenium	R	
Antimony	R	R
Thallium	R	
Arsenic		
Silver	R	

R - Rejected

TABLE 4-4a
MAXIMUM RINSATE BLANK DETECTIONS
MONITORING WELL SAMPLES

Chemical	Results
Metal (µg/L)	
Aluminum	250
Calcium	1980
Sodium	2680
Zinc	15.8
Volatile (µg/L)	
Acetone	8J
Methylene Chloride	9.7J

TABLE 4-4b
MAXIMUM RINSATE BLANK DETECTIONS
HYDROPUNCH GROUNDWATER SAMPLES

Chemical	Maximum Results
Metal (µg/L)	
Aluminum	8800
Barium	199
Beryllium	2.6
Calcium	12900
Chromium	67.1
Copper	58
Iron	43900
Lead	55.3
Magnesium	4030
Manganese	1770
Nickel	35.2
Potassium	1560
Sodium	15400
Zinc	234
Semivolatile (µg/L)	
Bis(2-ethylhexyl)phthalate	13
Volatile (µg/L)	
Methylene Chloride	380

TABLE 4-4c
MAXIMUM RINSATE BLANK DETECTIONS
SOIL SAMPLES

Chemical	Maximum Results
Metal (µg/L)	
Aluminum	656
Arsenic	11.7
Calcium	2180
Chromium	8
Iron	1770
Magnesium	669
Manganese	36.9
Nickel	24.9
Sodium	4050
Zinc	19.8
Volatile (µg/L)	
Methylene Chloride	38

TABLE 6-1
RESIDENTIAL SOIL TIER I ACTION LEVELS

CHEMICAL	RESIDENTIAL TIER I ACTION LEVEL	BASIS[1]	REFINED RESIDENTIAL TIER I ACTION LEVEL	BASIS [1]
Volatile Organic Compounds (μg/kg)				
Acetone	8,000	U.S. EPA SSL based on protection of groundwater, with a DAF of 10[2]		
Benzene	20	SSL (protection of groundwater)		
2-Butanone	6,800	Calculated value (protection of groundwater)		
Carbon disulfide	11,000	SSL (inhalation)		
Chloroform	200	SSL (inhalation)		
Ethylbenzene	5,000	SSL (protection of groundwater)		
Hexane	7,000	Calculated value (protection of groundwater)		
Methylene chloride	10	SSL (protection of groundwater)		
Tetrachloroethene	40	SSL (protection of groundwater)		
Toluene	5,000	SSL (protection of groundwater)		
1,1,1-Trichloroethane	900	SSL (protection of groundwater)		
Trichloroethene	20	SSL (protection of groundwater)		
Xylenes	74,000	SSL (protection of groundwater)		
Semi-volatile Organic Compounds (μg/kg)				
Acenaphthene	200,000	SSL (protection of groundwater)		
Acenaphthylene	7,700	Calculated value (protection of groundwater)		
Anthracene	4,300,000	SSL (protection of groundwater)		

TABLE 6-1
RESIDENTIAL SOIL TIER I ACTION LEVELS
(Continued)

CHEMICAL	RESIDENTIAL TIER I ACTION LEVEL	BASIS[1]	REFINED RESIDENTIAL TIER I ACTION LEVEL	BASIS [1]
Dibenzofuran	313,000	Calculated value (soil ingestion)		
Fluoranthene	980,000	SSL (protection of groundwater)		
Fluorene	160,000	SSL (protection of groundwater)		
Methylanthracene	3,129,000	Calculated value (soil ingestion)		
Naphthalene	30,000	SSL (protection of groundwater)		
2-Methylnaphthalene	25,300	Calculated value (protection of groundwater)		
Phenanthrene	67,600	Calculated value (protection of groundwater)		
Pyrene	1,400,000	SSL (protection of groundwater)		
Benzo(a)anthracene	700	SSL (protection of groundwater)	83,320	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than proposed MCL.
Benzo(a)pyrene	90	SSL (soil ingestion)	9,000	Soil ingestion, use of a $1x10^{-4}$ risk-based level.
Benzo(b)fluoranthene	900	SSL (soil ingestion)	90,000	Soil ingestion, use of a $1x10^{-4}$ risk-based level.
Benzo(k)fluoranthene	4,000	SSL (protection of groundwater)	2,059,650	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than proposed MCL.
Benzo(g,h,i)perylene	3,129,000	Calculated value (soil ingestion)		
Chrysene	1,000	SSL (protection of groundwater)	7,293,420	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than proposed MCL.
Dibenz(a,h)anthracene	90	SSL (soil ingestion)	9,000	Soil ingestion, use of a $1x10^{-4}$ risk-based level.
Indeno(1,2,3-cd)pyrene	900	SSL (soil ingestion)	90,000	Soil ingestion, use of a $1x10^{-4}$ risk-based level.

TABLE 6-1
RESIDENTIAL SOIL TIER I ACTION LEVELS
(Continued)

CHEMICAL	RESIDENTIAL TIER I ACTION LEVEL	BASIS[1]	REFINED RESIDENTIAL TIER I ACTION LEVEL	BASIS [1]
Benzoic acid	312,857,000	Calculated value (soil ingestion)		
Bis(2-chloroethoxy)methane	ND	A Tier I value could not be calculated because of lack of a toxicity value		
Bis(2-chloroisopropyl)ether	0.39	Calculated value (protection of groundwater)	39	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than $1x10^{-6}$ risk level.
4-Bromophenylphenylether	ND	A Tier I value could not be calculated because of lack of a toxicity value		
Carbazole	200	SSL (protection of groundwater)	20,000	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than $1x10^{-6}$ risk level.
1,2-Dichlorobenzene	6,000	SSL (protection of groundwater)		
1,3-Dichlorobenzene	1,000	SSL (protection of groundwater) (using value for 1,4-dichlorobenzene as a surrogate)		
1,4-Dichlorobenzene	1,000	SSL (protection of groundwater)		
3,3'-Dichlorobenzidine	10	SSL (protection of groundwater)	1,000	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than $1x10^{-6}$ risk level.
2,4-Dimethylphenol	3,000	SSL (protection of groundwater)		
4-Chlorophenylphenylether	ND	A Tier I value could not be calculated because of lack of a toxicity value		
Isophorone	200	SSL (protection of groundwater)		
4-Methylphenol	6,000	SSL for protection of groundwater, using value for 2-methylphenol		

TABLE 6-1
RESIDENTIAL SOIL TIER I ACTION LEVELS
(Continued)

CHEMICAL	RESIDENTIAL TIER I ACTION LEVEL	BASIS[1]	REFINED RESIDENTIAL TIER I ACTION LEVEL	BASIS [1]
4-Nitrophenol	ND	A Tier I value could not be calculated		
n-Nitrosodiphenylamine	200	SSL (protection of groundwater)	20,000	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than $1x10^{-6}$ risk level.
1,2,4-Trichlorobenzene	2,000	SSL (protection of groundwater)		
Nitrobenzene	90	SSL (protection of groundwater)		
Bis(2-ethylhexyl)phthalate	11,000	SSL (protection of groundwater)		
Butylbenzylphthalate	68,000	SSL (protection of groundwater)		
Di-n-butylphthalate	100,000	SSL (inhalation)		
Diethylphthalate	110,000	SSL (protection of groundwater)		
Dimethylphthalate	1,200,000	SSL (protection of groundwater)		
Di-n-octylphthalate	1,600,000	SSL (soil ingestion)		
Pesticides and PCBs μg/kg				
Aldrin	5	SSL (protection of groundwater)	500	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than $1x10^{-6}$ risk level.
α-BHC	0.4	SSL (protection of groundwater)		
ß-BHC	2	SSL (protection of groundwater)	200	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than $1x10^{-6}$ risk level.
δ-BHC	ND	A tier I value could not be calculated beacuse of lack of toxicity value		

TABLE 6-1
RESIDENTIAL SOIL TIER I ACTION LEVELS
(Continued)

CHEMICAL	RESIDENTIAL TIER I ACTION LEVEL	BASIS[1]	REFINED RESIDENTIAL TIER I ACTION LEVEL	BASIS [1]
4,4'-DDD	700	SSL (protection of groundwater)		
4,4'-DDE	500	SSL (protection of groundwater)		
4,4'-DDT	1,000	SSL (protection of groundwater)		
Dieldrin	1	SSL (protection of groundwater)	117	Protection of groundwater; use of $1x10^{-4}$ risk based level rather than $1x10^{-6}$ risk level.
Endosulfan I	4,000	SSL (protection of groundwater)		
Endrin (and ketone)	400	SSL (protection of groundwater)		
Heptachlor	60	SSL (protection of groundwater		
p,p'-Methoxychlor	62,000	SSL (protection of groundwater)		
Arochlor-1260 (PCBs)	1,000	SSL (soil ingestion)		
Inorganic Constituents (mg/kg)				
Aluminum	78,214	Calculated value (soil ingestion)		
Antimony	31	SSL (soil ingestion)		
Arsenic	0.4	SSL (soil ingestion)	40	Soil ingestion; $1x10^{-4}$ risk level.
Barium	266	Site-specific background		
Beryllium	2	Site-specific background		
Cadmium	6	SSL (protection of groundwater)		
Calcium	> 1,000,000	Calculated value (soil ingestion)		

TABLE 6-1
RESIDENTIAL SOIL TIER I ACTION LEVELS
(Continued)

CHEMICAL	RESIDENTIAL TIER I ACTION LEVEL	BASIS[1]	REFINED RESIDENTIAL TIER I ACTION LEVEL	BASIS [1]
Chromium (hexavalent)	19	SSL (protection of groundwater)		
Chromium (trivalent)	78,214	Calculated value (soil ingestion)		
Cobalt	4,693	Calculated value (soil ingestion)		
Copper	5,475	Calculated value (soil ingestion)		
Iron	54,750	Calculated value (soil ingestion)		
Lead	400	SSL (soil ingestion)		
Magnesium	453,643	Calculated value (soil ingestion)		
Manganese	10,950	Calculated value (soil ingestion)		
Mercury	3	SSL (protection of groundwater)		
Nickel	100	Estimated upper end of background		
Potassium	> 1,000,000	Calculated value (soil ingestion)		
Selenium	3	SSL (protection of groundwater)		
Silver	390	SSL (soil ingestion)		
Sodium	10,950	Calculated value (soil ingestion)		
Thallium	0.4	SSL (protection of groundwater)		
Vanadium	550	SSL (soil ingestion)		
Zinc	23,000	SSL (soil ingestion)		
Cyanide	1,600	SSL (soil ingestion)		

TABLE 6-1
RESIDENTIAL SOIL TIER I ACTION LEVELS
(Continued)

CHEMICAL	RESIDENTIAL TIER I ACTION LEVEL	BASIS[1]	REFINED RESIDENTIAL TIER I ACTION LEVEL	BASIS [1]
Phenols	ND	A Tier I value could not be develoepd because of lack of toxicity value		
Total Petroleum Hydrocarbons	100 (inplace soils) 10 (excavated soils)	District of Columbia Municipal Regulations		

1. U.S. EPA has developed three types of Soil Screening Levels (SSLs) based on 1) residential ingestion exposures, 2) residential inhalation exposures, and 3) protection of migration to groundwater (although not every chemical has all three values). The lowest of the available SSLs for each chemical was applied as the comparison criterion. If a U.S. EPA SSL was not available, a comparable value was calculated (see text for discussion).
2. Two SSLs for protection of groundwater are derived, one associated with a dilution/attenuation factor (DAF) of 10 and the other with a DAF of 1. The SSL associated with the DAF of 10 was used for all comparisons.

ND An action level could not be derived.

TABLE 6-2
COMMERCIAL/INDUSTRIAL SOIL ACTION LEVELS

CHEMICAL	COMMERCIAL/INDUSTRIAL ACTION LEVEL	BASIS
Volatile Organic Compounds (µg/kg)		
Trichloroethene	522,000	Occupational inhalaiton ($1x10^{-4}$ risk level)
Semi-volatile Organic Compounds (µg/kg)		
Bis(2-chloroisopropyl)ether *	704,000	Occupational inhalation ($1x10^{-4}$ risk level)
3,3'Dichlorobenzidine *	1,272,000	Occupational soil ingestion ($1x10^{-4}$ risk level)
Pesticides and PCBs µg/kg		
Arochlor-1260 (PCBs)	10,000	Integrated soil exposure, industrial settings (U.S. EPA, EPA/540/G-90/007, August 1990)
Inorganic Constituents (mg/kg)		
Arsenic	382	Occupational soil ingestion ($1x10^{-4}$ risk level)
Barium	143,080	Occupational soil ingestion (hazard quotient = 1)
Cadmium	1,022	Occupational soil ingestion (hazard quotient = 1)
Copper	143,080	Occupational soil ingestion (hazard quotient = 1)
Iron	>1,000,000	Occupational soil ingestion (hazard quotient = 1)
Lead	5,000	TSCA Section 403; level above which soil abatement is recommended.
Mercury	613	Occupational soil ingestion (hazard quotient = 1)
Nickel	40,880	Occupational soil ingestion (hazard quotient = 1)
Selenium	10,220	Occupational soil ingestion (hazard quotient = 1)

lead - Gt 5000 is a removal levels ?

TABLE 6-3
RESIDENTIAL GROUNDWATER ACTION LEVELS

Chemical	Groundwater Action Level		Basis
Volatile Organic Compounds (μg/L)			
Acetone	3700	3,650	Calculated value
Benzene	.36	5	Maximum Contaminant Level
Carbon disulfide	21	3,650	Calculated value
Chloroform	.15	100	Maximum Contaminant Level for total trihalomethanes
Ethylbenzene	1300	700	Maximum Contaminant Level
Methylene chloride	4.1	5	Maximum Contaminant Level
4-Methyl-2-pentanone		1,825	Calculated value
Toluene	750	1,000	Maximum Contaminant Level
1,1,2-Trichloroethane	.19	5	Maximum Contaminant Level
Xylenes (total)	12,000	10,000	Maximum Contaminant Level
Semivolatile Organic Compounds (μg/L)			
Acenaphthene		2,190	Calculated value
Bis(2-ethylhexyl)phthalate	4.8	6	Maximum Contaminant Level
Butylbenzylphthalate	7,300	7,300	Calculated value
Di-n-butylphthalate		3,650	Calculated value
Di-n-octylphthalate		730	Calculated value
2-Methylnaphthalene		1,460	Calculated value
Naphthalene	1500	1,460	Calculated value
n-Nitrosodiphenylamine	14	17	Calculated value

TABLE 6-3 (Continued)
RESIDENTIAL GROUNDWATER ACTION LEVELS

Chemical	Groundwater Action Level		Basis
Inorganic Constituents (μg/L)			
Aluminum	37,000	36,500	Calculated value
Arsenic	.038	50	Maximum Contaminant Level
Barium	2600	2,000	Maximum Contaminant Level
Calcium		1,935,000	Calculated value
Chromium	180	100	Maximum Contaminant Level
Cobalt	2,700	2,190	Calculated value
Copper	1400	1,300	U.S. EPA Action Level
Iron		18,250	Calculated value
Lead		15	U.S. EPA Action Level
Magnesium		211,700	Calculated value
Manganese	180	5,110	Calculated value
Mercury	11	2	Maximum Contaminant Level
Nickel	730	100	Maximum Contaminant Level
Potassium		1,424,000	Calculated value
Sodium		5,110	Calculated value
Vanadium	260	329	Calculated value
Zinc	11,000	10,950	Calculated value
Total Petroleum Hydrocarbons		1,000	District of Columbia Regulations (Chpt 20; Title 62)

TABLE 7-1
SUMMARY OF APEX SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Residential Tier I Action Level	Is Action Level Exceeded?	Refined Residential Action Level	Is Refined Action Level Exceeded?	Location and Concentration of Exceedences
Volatile Organic Compounds (μg/kg)							
Acetone	8/28	1,400	8,000	No			
Chloroform	1/28	190	200	No			
Methylene chloride	28/28	[a]	10	No			
Trichloroethene	1/28	650	20	Yes			A-11 (650 μg/kg)
Semivolatile Organic Compounds (μg/kg)							
Acenaphthene	2/8	510	200,000	No			
Benzo(a)anthracene	3/8	3,700	700	Yes	83,320	No	
Benzo(b)fluoranthene	3/8	2,800	900	Yes	90,000	No	
Benzo(k)fluoranthene	3/8	2,100	4,000	No			
Benzo(a)pyrene	2/8	2,900	90	Yes	9,000	No	
Bis(2-ethylhexyl)phthalate	7/8	4,900 [b]	11,000	No			
Chrysene	3/8	3,800	1,000	Yes	7,293,420	No	
Di-n-butylphthalate	1/8	4,300	100,000	No			
Fluoranthene	4/8	7,900	980,000	No			
Fluorene	2/8	450	160,000	No			
2-Methylnaphthalene	2/8	2,800	25,300	No			
Naphthalene	2/8	680	30,000	No			
Phenanthrene	3/8	7,400	67,600	No			

TABLE 7-1 (Continued)
SUMMARY OF APEX SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Residential Tier I Action Level	Is Action Level Exceeded?	Refined Residential Action Level	Is Refined Action Level Exceeded?	Location and Concentration of Exceedences
Pyrene	4/8	8,500	1,400,000	No			
Pesticides/Polychlorinated Biphenyls (μg/kg)							
Polychlorinated Biphenyls (as Aroclor-1254)	1/11	760	1,000	No			
Inorganic Constituents (mg/kg)							
Antimony	2/27	17.5	31	No			
Arsenic	27/27	250	0.4	Yes	40	Yes	A-16 (250 mg/kg)
Beryllium	1/27	0.7	2	No			
Cadmium	27/27	6.4	6	Yes			A-16 (6.4 mg/kg)
Chromium	27/27	43.8	78,214	No			
Copper	27/27	71,900	5,475	Yes			A-8(d) (71,900 mg/kg)
Lead	27/27	628	400	Yes			A-8(s) (505 mg/kg) A-16 (540 mg/kg) A-17 (628 mg/kg)
Mercury	11/27	20.2	3	Yes			A-16 (20.2 mg/kg)
Nickel	27/27	369	100	Yes			A-7(d) (369 mg/kg) A-9(s) (105 mg/kg) A-9(s)dup (160 mg/kg) A-9(d) (312 mg/kg) A-14(d) (142 mg/kg)
Selenium	13/27	7	3	Yes			A-16 (7 mg/kg)
Silver	3/27	33	390	No			

TABLE 7-1 (Continued)
SUMMARY OF APEX SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Residential Tier I Action Level	Is Action Level Exceeded?	Refined Residential Action Level	Is Refined Action Level Exceeded?	Location and Concentration of Exceedences
Zinc	27/27	3,480	23,000	No			
Miscellaneous (mg/kg)							
Cyanide	2/7	0.16	1,600	No			
Phenols	3/7	1.48	ND				
Total Petroleum Hydrocarbons	5/5	2,090	10	Yes			A-6(s)(dup) (219 mg/kg) A-6(d) (2,090 mg/kg) A-9(s) (327 mg/kg) A-16(d) (1,140 mg/kg) A-19 (124 mg/kg)

Note: Inorganic results for sample S-15 were not available.

[a] Methylene chloride was reported in soil samples at concentrations ranging from 210 to 14,000 μg/kg and in laboratory blanks at concentrations ranging from 200 μg/kg to 370 μg/kg. Methylene chloride is a common laboratory contaminant. The analytical laboratory indicated that presence of methylene chloride was probably from laboratory origin.

[b] Bis(2-ethylhexyl)phthalate is a common laboratory contaminant. It was detected in laboratory blanks at concentrations ranging from 300 μg/kg to 1,700 μg/kg. Its presence in site samples was probably from laboratory origin.

ND Not developed.

TABLE 7-2
SUMMARY OF K&D SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Frequency of Detection (of 105 samples)	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Volatile Organic Compounds (µg/kg)							
Acetone	100	970 [a]	8,000	No			
Benzene	1	3	20	No			
2-Butanone	17	43	6,800	No			
Carbon disulfide	1	3	11,000	No			
Chloroform	10	4	200	No			
Ethylbenzene	1	2,400	5,000	No			
Methylene chloride	105	[a]	10	No			
Toluene	1	270	5,000	No			
1,1,1-Trichloroethane	1	8	900	No			
Trichloroethene	1	1	20	No			
Xylenes	3	7,700	74,000	No			
Semivolatile Organic Compounds (µg/kg)							
Acenaphthene	34	14,000	200,000	No			
Acenaphthylene	8	620	7,700	No			
Anthracene	44	21,000	4,300,000	No			
Benzo(a)anthracene	65	55,000	700	Yes	83,320	No	
Benzo(a)pyrene	55	27,000	90	Yes	9,000	Yes	KD-32A (27,000 µg/kg)

TABLE 7-2 (Continued)
SUMMARY OF K&D SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Frequency of Detection (of 105 samples)	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Benzo(b)fluoranthene	67	64,000	900	Yes	90,000	No	
Benzo(g,h,i)perylene	44	8,000	3,129,000	No			
Benzo(k)fluoranthene	63	64,000	4,000	Yes	846,000	No	
Benzoic acid	6	190	312,857,000	No			
Bis(2-chloro-isopropyl)ether	1	270	0.39	Yes	39	Yes	KD-39B (270 µg/kg)
Bis(2-ethylhexyl)phthalate	75	2,100	11,000	No			
Butyl benzyl phthalate	1	68	68,000	No			
Chrysene	68	51,000	1,000	Yes	7,293,420	No	
Dibenzo(a,h)anthracene	31	3,200	90	Yes	9,000	No	
3,3'-Dichlorobenzidine	1	3,500	10	Yes	1,000	Yes	KD-21A (3,500 µg/kg)
Dibenzofuran	30	15,000	313,000	No			
Di-n-butyl phthalate	12	1,900	100,000	No			
Di-n-octyl phthalate	1	110	1,600,000	No			
2,4-Dimethylphenol	1	270	3,000	No			
Fluoranthene	73	120,000	980,000	No			
Fluorene	34	17,000	160,000	No			

TABLE 7-2 (Continued)
SUMMARY OF K&D SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Frequency of Detection (of 105 samples)	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Indeno(1,2,3-cd)pyrene	43	8,800	900	Yes	90,000	No	
Isophorone	1	57	200	No			
2-Methylnaphthalene	26	12,000	25,300	No			
4-Methylphenol	1	390	6,000	No			
Naphthalene	25	16,000	30,000	No			
4-Nitrophenol	1	45	ND	-			
n-Nitrosodiphenylamine	1	440	200	Yes	20,000	No	
Phenanthrene	66	140,000	67,600	Yes			KD-32A (140,000 µg/kg)
Pyrene	72	86,000	1,400,000	No			
1,2,4-Trichlorobenzene	5	540	2,000	No			
Pesticides and PCBs (µg/kg)							
Aldrin	1	25	5	Yes	500	No	
ß-BHC	1	20	2	Yes	200	No	
δ-BHC	2	19	ND				KD-07A (19 µg/kg) KD-40A (13 µg/kg)
4,4'-DDT	1	40	1,000	No			

TABLE 7-2 (Continued)
SUMMARY OF K&D SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Frequency of Detection (of 105 samples)	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Endosulfan I	1	46	4,000	No			
p,p'-Methoxychlor	1	120	62,000	No			
Polychlorinated biphenyls (Aroclor-1260)	15	210,000	1,000	Yes			KD-25A (5,000 µg/kg) KD-32A (210,000 µg/kg) KD-35A (1,500 µg/kg) KD-40A (3,400 µg/kg) KD-B2 (2,500 µg/kg)
Inorganic Constituents (mg/kg)							
Aluminum	105	25,400	78,214	No			
Arsenic	101	22.5	0.4	Yes	40	No	
Barium	105	402	266	Yes			KD-04A (402 mg/kg)
Beryllium	90	1.6	2	No			
Cadmium	11	4.6	6	No			
Calcium	105	40,900	> 1,000,000	No			
Chromium (as trivalent)	105	113	78,214	No			
Cobalt	105	48	4,693	No			
Copper	105	8,460	5,475	Yes			KD-33A (8,460 mg/kg)

TABLE 7-2 (Continued)
SUMMARY OF K&D SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Frequency of Detection (of 105 samples)	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Iron	105	69,200	39,107	Yes			KD-13A (41,700 mg/kg) KD-35B (39,800 mg/kg) KD-40B (69,200 mg/kg) KD-41B (54,200 mg/kg)
Lead	104	1,100	400	Yes			KD-04A (427 mg/kg) KD-29A (681 mg/kg) KD-32A (1,020 mg/kg) KD-33A (1,100 mg/kg) KD-36B (430 mg/kg) KD-39B (533 mg/kg)
Magnesium	105	24,900	453,643	No			
Manganese	105	2,670	10,950	No			
Mercury	43	3.7	3	Yes			KD-23A (3.7 mg/kg)
Nickel	102	464	100	Yes			KD-27A (464 mg/kg) KD-29A (157 mg/kg) KD-35A (215 mg/kg) KD-40A (216 mg/kg)
Potassium	105	2,290	> 1,000,000	No			
Selenium	7	9.7	3	Yes			KD-36A (3.2 mg/kg) KD-36B (9.7 mg/kg)
Silver	2	4.2	390	No			
Sodium	104	9,060	10,950	No			
Vanadium	105	55.8	550	No			
Zinc	105	1,940	23,000	No			

TABLE 7-2 (Continued)
SUMMARY OF K&D SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Frequency of Detection (of 105 samples)	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Cyanide	4	1.5	1,600	No			
Total Petroleum Hydrocarbons	6/25	1,500	10	Yes			T-7-02 (45 mg/kg) P-14-02 (890 mg/kg) P-14-03 (160 mg/kg) P-17-03 (620 mg/kg) P-17-09 (1,500 mg/kg) P-17-10 (1,200 mg/kg)

[a] Acetone and methylene chloride are common laboratory contaminants and their presence is probably a result of laboratory introduction.
ND Not developed.

TABLE 7-3
SUMMARY OF WOODWARD-CLYDE SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Volatile Organic Compounds (µg/kg)							
Acetone	20/23	77	8,000	No			
2-Butanone	3/23	17	6,800	No			
Ethylbenzene	1/23	4 J	5,000	No			
Tetrachloroethene	1/23	5.6 J	40	No			
Toluene	6/23	17 J	5,000	No			
Trichloroethene	3/23	13	20	No			
Xylenes (total)	1/23	34	74,000	No			
Semivolatile Organic Compounds (µg/kg)							
Acenaphthene	10/39	15,000J	200,000	No			
Acenaphthylene	7/39	2,200L	7,700	No			
Anthracene	18/39	1,700	4,300,000	No			
Benzo(a)anthracene	24/39	21,000J	700	Yes	83,320	No	
Benzo(b)fluoranthene	27/39	15,000L	900	Yes	90,000	No	
Benzo(k)fluoranthene	23/39	7,400J	4,000	Yes	2,059,650	No	
Benzo(g,h,i)perylene	17/39	10,000J	3,129,000	No			
Benzo(a)pyrene	24/39	19,000J	90	Yes	9,000	No	
Bis(2-chloroethoxy)methane	1/23	120 J	ND	-	-	-	SB-120 (120 µg/kg)
4-Bromophenylphenylether	1/23	140 J	ND	-	-	-	SB-120 (140 µg/kg)

TABLE 7-3 (Continued)
SUMMARY OF WOODWARD-CLYDE SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Butylbenzylphthalate	2/23	190 J	68,000	No			
Carbazole	5/23	3,000 J	200	Yes	20,000	No	
Chrysene	25/39	25,000 J	1,000	Yes	7,293,420	No	
4-Chlorophenylphenylether	1/23	150 J	ND				SB-120 (150 µg/kg)
Dibenz(a,h)anthracene	14/34	3,500 L	90	Yes	9,000	No	
Dibenzofuran	5/23	2,300	313,000	No			
Di-n-butylphthalate	7/23	1,400	100,000	No			
1,2-Dichlorobenzene	1/23	76 J	6,000	No			
1,3-Dichlorobenzene	1/23	122 J	1,000	No			
1,4-Dichlorobenzene	1/23	114 J	1,000	No			
Diethylphthalate	1/23	190 J	110,000	No			
Dimethylphthalate	1/23	180 J	1,200,000	No			
Di-n-octylphthalate	1/23	520 J	1,600,000	No			
Fluoranthene	29/39	10,000	980,000	No			
Fluorene	12/39	3,100 L	160,000	No			
Indeno(1,2,3-cd)pyrene	23/37	8,600 J	900	Yes	90,000	No	
Isophorone	1/23	78 J	200	No			
2-Methylnaphthalene	6/23	3,500	25,300	No			

TABLE 7-3 (Continued)
SUMMARY OF WOODWARD-CLYDE SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Naphthalene	13/38	9,000J	30,000	No			
Nitrobenzene	1/23	182 J	90	Yes			SB-116 (182 µg/kg)
Phenanthrene	23/39	21,000J	67,600	No			
Pyrene	28/39	38,000J	1,400,000	No			
1,2,4-Trichlorobenzene	1/23	98 J	2,000	No			
Pesticides/Polychlorinated Biphenyls (µg/kg)							
Polychlorinated Biphenyls (as Aroclor 1248)	1/28	2,400J	1,000	Yes			SB-129 (2,400 J µg/kg)
Polychlorinated Biphenyls (as Aroclor 1260)	9/28	830 J	1,000	No			
Aldrin	2/23	25	5	Yes	500	No	
ß-BHC	8/23	59 J	2	Yes	200	No	
4,4'-DDD	1/23	3.6	700	No			
4,4'-DDE	1/23	4 J	500	No			
4,4'-DDT	2/23	22 J	1,000	No			
Dieldrin	2/23	27	1	Yes	117	No	
Endrin	2/23	6.4 J	400	No			
Endrin ketone	1/23	9.1 J	400	No			
Heptachlor	1/23	2 J	60	No			

TABLE 7-3 (Continued)
SUMMARY OF WOODWARD-CLYDE SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Inorganic Constituents (mg/kg)							
Aluminum	23/23	11,100	78,214	No			
Arsenic	17/26	45.4	0.4	Yes	40	Yes	SB-041 (45.4 mg/kg)
Barium	21/23	328 J	266	Yes			SB-131 (328 mg/kg)
Beryllium	17/22	1.3 K	2	No			
Cadmium	2/23	2	6	No			
Calcium	20/20	36,400J	> 1,000,000	No			
Chromium	19/19	51.5 L	78,214	No			
Cobalt	21/22	23.2	4,693	No			
Copper	23/23	559	5,475	No			
Iron	23/23	35,500	39,107	No			
Lead	76/76	4,100	400	Yes			SB-035 (4,100 mg/kg) SB-036 (932 mg/kg) SB-046 (2,610 mg/kg) SB-126 (431 mg/kg) SB-096 (480 mg/kg) SB-097 (2,630 mg/kg) SB-099 (630 mg/kg) SB-100 (1,970 mg/kg) SB-130 (542 mg/kg) SB-131 (2,540 mg/kg)

TABLE 7-3 (Continued)
SUMMARY OF WOODWARD-CLYDE SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Magnesium	21/21	11,700	453,643	No			
Manganese	22/22	590 J	10,950	No			
Mercury	9/22	0.68 L	3	No			
Nickel	4/6	305 K	100	Yes			SB-121 (305 mg/kg)
Potassium	21/21	4,700	> 1,000,000	No			
Selenium	1/21	0.49 L	3	No			
Vanadium	23/23	50.7 J	550	No			
Zinc	19/19	821	23,000	No			
Miscellaneous (mg/kg)							
Cyanide	2/7	0.16	1,600	No			
Phenols	3/7	1.48	ND				

TABLE 7-3 (Continued)
SUMMARY OF WOODWARD-CLYDE SOIL DATA
SOUTHEAST FEDERAL CENTER

Chemicals Detected	Number of Detections	Maximum Concentration Detected	Tier I Value (U.S. EPA SSL or Comparable Value)	Is Tier I Value Exceeded?	Refined Tier I Value	Is Refined Tier I Value Exceeded?	Location and Concentration of Exceedences
Total Petroleum Hydrocarbons	10/20	11,000HJ	10	Yes			SB-006 (490 mg/kg) SB-007 (1,200 mg/kg) SB-008 (840 mg/kg) SB-009 (1,600 mg/kg) SB-010 (1,700 mg/kg) SB-011 (11,000 mg/kg) SB-013 (3,200 mg/kg) SB-014 (46 mg/kg) SB-015 (79 mg/kg) SB-016 (7,000 mg/kg) SB-022 (21,000 mg/kg)

ND Not developed.
J Estimated concentration
L Estimated concentration, biased low
K Estimated concentration, biased high
H Heavier than diesel hydrocarbon

TABLE 7-4
OVERALL SUMMARY OF RESIDENTIAL SOIL TIER I ACTION LEVEL EXCEEDENCES
ALL SITE SOILS

Chemical	Residential Soil Tier I Action Level	Apex Data Location and Concentration	K&D Data Location and Concentration	W-C Data Location and Concentration
Organic Chemicals				
Benzo(a)pyrene	9,000 µg/kg		KD-32A (27,000 µg/kg)	SB-050 (19,000 µg/kg) SB-076 (10,000 µg/kg)
Bis(2-chloroisopropyl) ether	39 µg/kg		KD-39B (270 µg/kg)	
3,3'-Dichlorobenzidine	1,000 µg/kg		KD-21A (3,500 µg/kg)	
Nitrobenzene	90 µg/kg			SB-116 (182 µg/kg)
Phenanthrene	67,600 µg/kg		KD-32A (140,000 µg/kg)	
Polychlorinated biphenyls (PCBs)	1,000 µg/kg		KD-25A (5,000 µg/kg) KD-32A (210,000 µg/kg) KD-35A (1,500 µg/kg) KD-40A (3,400 µg/kg) KD-B2 (2,500 µg/kg)	SB-129 (2,400 µg/kg)
Trichloroethene	20 µg/kg	A-11 (650 µg/kg)		
Inorganic Constituents				
Arsenic	40 mg/kg	A-16 (250 mg/kg)		SB-041 (45.4 mg/kg)
Barium	266 mg/kg		KD-04A (402 mg/kg)	SB-131 (328 mg/kg)
Cadmium	6 mg/kg	A-16 (6.4 mg/kg)		
Copper	5,475 mg/kg	A-8(d) (71,900 mg/kg)	KD-33A (8,460 mg/kg)	
Iron	54,750 mg/kg		KD-40B (69,200 mg/kg)	

TABLE 7-4 (Continued)
OVERALL SUMMARY OF RESIDENTIAL SOIL TIER I ACTION LEVEL EXCEEDENCES
ALL SITE SOILS

Chemical	Residential Soil Tier I Action Level	Apex Data Location and Concentration	K&D Data Location and Concentration	W-C Data Location and Concentration
Lead	400 mg/kg	A-8(s) (505 mg/kg) A-16 (540 mg/kg) A-17 (628 mg/kg)	KD-04A (427 mg/kg) KD-29A (681 mg/kg) KD-32A (1,020 mg/kg) KD-33A (1,100 mg/kg) KD-36B (430 mg/kg) KD-39B (533 mg/kg)	SB-035 (4,100 mg/kg) SB-036 (932 mg/kg) SB-046 (2,610 mg/kg) SB-054 (374 mg/kg) SB-126 (431 mg/kg) SB-096 (480 mg/kg) SB-097 (2,630 mg/kg) SB-099 (630 mg/kg) SB-100 (1,970 mg/kg) SB-130 (542 mg/kg) SB-131 (2,540 mg/kg)
Mercury	3 mg/kg	A-16 (20.2 mg/kg)	KD-23A (3.7 mg/kg)	
Nickel	100 mg/kg	A-7d (369 mg/kg) A-9s (105 mg/kg) A-9s(dup) (160 mg/kg) A-9d (312 mg/kg) A-14d (142 mg/kg)	KD-27A (464 mg/kg) KD-29A (157 mg/kg) KD-35A (215 mg/kg) KD-40A (216 mg/kg)	SB-121 (305 mg/kg)
Selenium	3 mg/kg	A-16 (7 mg/kg)	KD-36A (3.2 mg/kg) KD-36B (9.7 mg/kg)	
Total Petroleum Hydrocarbons	10 mg/kg (excavated) 100 mg/kg (inplace)	A-6(s) (dup) (219 mg/kg) A-6(d) (2,090 mg/kg) A-9(s) (327 mg/kg) A-16 (1,140 mg/kg) A-19 (124 mg/kg)	T-7-02 (45 mg/kg) P-14-02 (890 mg/kg) P-14-03 (160 mg/kg) P-17-03 (620 mg/kg) P-17-09 (1,500 mg/kg) P-17-10 (1,200 mg/kg)	SB-006 (490 mg/kg) SB-007 (1,200 mg/kg) SB-008 (840 mg/kg) SB-009 (1,600 mg/kg) SB-010 (1,700 mg/kg) SB-011 (11,000 mg/kg) SB-013 (3,200 mg/kg) SB-014 (46 mg/kg) SB-015 (79 mg/kg) SB-016 (7,000 mg/kg) SB-022 (2,100 mg/kg)

TABLE 7-5
SUMMARY OF ACTION LEVEL EXCEEDENCES BY BLOCK

Block	Residential Soil Tier I Action Level	Commercial/Industrial Action Level	Exceedence	Discussion of Exceedence	Conclusion
A	PCBs: 1,000 μg/kg	PCBs: 10,000 μg/kg	KD-B2: PCB at 2,500 μg/kg	Detection of KD-B2 exceeds the residential Tier I value only.	Impacted subarea should be excavated separately.
B			No exceedences or either residential Tier I or commercial/industrial action levels.		No limitation on use of soils from Block B.
C			No exceedences or either residential Tier I or commercial/industrial action levels.		No limitation on use of soils from Block C.
D			No exceedences or either residential Tier I or commercial/industrial action levels.		No limitation on use of soils from Block D.
E	Nitrobenzene: 90 μg/kg	Nitrobenzene: 1,022,000 μg/kg	SB-116: Nitrobenzene at 182 μg/kg	Detected concentration exceeds residential action level only. Single detection of nitrobenzene; no other sample on the site was found to contain nitrobenzene. Action level based on protection of groundwater resources. Nitrobenzene was not detected in any groundwater or hydropunch sample. Exceedence does not indicate the need for concern based on low frequency of detection and lack of impact upon groundwater.	No limitation on use of soils from Block E.
F	TPH: 10 mg/kg	TPH: 100 mg/kg	SB-022: TPH at 2,100 mg/kg	Detected TPH concentration at SB-22 exceeds both excavated and in-place action levels.	Impacted subarea should be excavated separately.

TABLE 7-5 (Continued)
SUMMARY OF ACTION LEVEL EXCEEDENCES BY BLOCK

Block	Residential Soil Tier I Action Level	Commercial/Industrial Action Level	Exceedence	Discussion of Exceedence	Conclusion
G	PCB: 1,000 µg/kg TPH: 10 mg/kg	PCB: 10,000 µg/kg TPH: 100 mg/kg	KD-25A: PCBs at 5,000 µg/kg A-6(s)(dup): TPH at 219 mg/kg A-6(d): TPH at 2,090 mg/kg	Detection of PCB at KD-25 exceeds the residential Tier I action level only. Detections of TPH at A-6 exceed both excavated and in-place action levels.	Impacted sub-areas should be excavated separately.
H	Nickel: 100 mg/kg Lead: 400 mg/kg TPH: 10 mg/kg	Nickel: 40,880 mg/kg Lead: 5,000 mg/kg TPH: 100 mg/kg	A-7(d): Nickel at 369 mg/kg KD-29A: Lead at 681 mg/kg Nickel at 157 mg/kg T-7-02: TPH at 45 mg/kg P-14-02: TPH at 890 mg/kg P-14-03: TPH at 160 mg/kg P-17-03: TPH at 620 mg/kg P-17-09: TPH at 1,500 mg/kg P-17-10: TPH at 1,200 mg/kg SB-006: TPH at 490 mg/kg SB-008: TPH at 840 mg/kg SB-009: TPH at 1,600 mg/kg SB-011: TPH at 11,000 mg/kg SB-013: TPH at 3,200 mg/kg SB-015: TPH at 79 mg/kg SB-016: TPH at 7,000 mg/kg SB-035: Lead at 4,100 mg/kg SB-036: Lead at 932 mg/kg	Detected nickel concentrations exceed residential Tier I action level only. Monitoring well downgradient of A-7(d) (MW-15) contains nickel in excess of MCL; suggesting nickel in soil may be source. Indicates further characterization. Detected lead concentrations exceed the residential Tier I action level only. With one exception, all TPH concentrations exceed both the excavated and in-place action levels; SB-15 exceeds only the excavated action level.	Impacted subareas should be excavated separately.
J	Arsenic: 40 mg/kg Copper: 5,475 mg/kg Iron: 54,750 mg/kg Lead: 400 mg/kg Nickel: 100 mg/kg Selenium: 3 mg/kg PCB: 1,000 µg/kg B(a)P: 9,000 µg/kg	Arsenic: 382 mg/kg Copper: 143,080 mg/kg Iron: >1,000,000 mg/kg Lead: 5,000 mg/kg Nickel: 40,880 mg/kg Selenium: 10,220 mg/kg PCB: 10,000 µg/kg B(a)P: 78,000 µg/kg	A-8(s): Lead at 505 mg/kg A-8(d): Copper at 71,900 mg/kg KD-35A: PCB at 1,500 µg/kg Nickel at 215 mg/kg KD-36A: Selenium at 3.2 mg/kg KD-36B: Lead at 430 mg/kg Selenium at 9.7 mg/kg KD-40A: Nickel at 216 mg/kg PCB at 3,400 µg/kg KD-40B: Iron at 69,200 mg/kg SB-041: Arsenic at 45.4 mg/kg SB-050: B(a)P at 19,000 µg/kg	Detected concentrations of all chemicals exceed residential action level only.	Impacted subareas should be excavated separately.

TABLE 7-5 (Continued)
SUMMARY OF ACTION LEVEL EXCEEDENCES BY BLOCK

Block	Residential Soil Tier I Action Level	Commercial/Industrial Action Level	Exceedence	Discussion of Exceedence	Conclusion
K	Barium: 266 mg/kg Lead: 400 mg/kg	Barium: 143,080 mg/kg Lead: 5,000 mg/kg	KD-04A: Barium at 402 mg/kg Lead at 427 mg/kg SB-054: Lead at 374 mg/kg	Detected concentration of barium exceeds residential action level only.	Impacted subarea should be excavated separately.
L	Nickel: 100 mg/kg	Nickel: 40,880 mg/kg	SB-121: Nickel at 305 mg/kg	Detected concentration of nickel exceeds residential action level only.	Impacted subarea should be excavated separately.
M	3,3'-DCBZ: 1,000 µg/kg TCE: 20 µg/kg	3,3'-DCBZ: 1,272 µg/kg TCE: 552,000 µg/kg	A-11: TCE at 650 µg/kg KD-21A: 3,3'-DCBZ at 3,500 µg/kg	Detected concentration of 3,3'-dichlorobenzidine exceeds both residential and commercial/industrial action levels. Detected concentration of TCE exceeds residential action level only. TCE also detected in nearby samples SB-123 and KD-B10 at concentrations below AL.	Impacted subarea should be excavated separately.
N	Barium: 266 mg/kg Lead: 400 mg/kg Nickel: 100 mg/kg B(a)P: 9,000 µg/kg TPH: 10 mg/kg	Barium: 143,080 mg/kg Lead: 5,000 mg/kg Nickel: 40,880 mg/kg B(a)P: 78,000 mg/kg TPH: 100 mg/kg	A-9(s): Nickel at 105 mg/kg TPH at 327 mg/kg A-9(s)(dup): Nickel at 160 mg/kg A-9(d): Nickel at 312 mg/kg SB-076: B(a)P at 10,000 µg/kg SB-126: Lead at 431 mg/kg SB-131: Barium at 328 mg/kg Lead at 2,540 mg/kg	Detected concentrations of barium, lead, nickel, and B(a)P exceed residential action levels only. Detected concentration of TPH exceeds both excavated and in-place action level.	Impacted subareas should be excavated separately.

TABLE 7-5 (Continued)
SUMMARY OF ACTION LEVEL EXCEEDENCES BY BLOCK

Block	Residential Soil Tier I Action Level	Commercial/Industrial Action Level	Exceedence	Discussion of Exceedence	Conclusion
O	Arsenic: 40 mg/kg Cadmium: 6 mg/kg Lead: 400 mg/kg Mercury: 3 mg/kg Selenium: 3 mg/kg B(a)P: 9,000 µg/kg Phenanthrene: 67,600 µg/kg PCB: 1,000 µg/kg TPH: 10 mg/kg	Arsenic: 382 mg/kg Cadmium: 1,020 mg/kg Lead: 5,000 mg/kg Mercury: 613 mg/kg Selenium: 10,220 mg/kg B(a)P: 78,000 µg/kg Phenanthrene: NEED PCB: 5,000 µg/kg TPH: 100 mg/kg	A16: Arsenic at 250 mg/kg Cadmium at 6.4 mg/kg Lead at 540 mg/kg Mercury at 20.2 mg/kg Selenium at 7 mg/kg TPH at 1,140 mg/kg KD-32A: B(a)P at 27,000 µg/kg Phenanthrene at 140,000 µg/kg PCB at 210,000 µg/kg Lead at 1,020 mg/kg SB-007: TPH at 1,200 mg/kg SB-010: TPH at 1,700 mg/kg SB-014: TPH at 46 mg/kg SB-046: Lead at 2,610 mg/kg SB-129: PCB at 2,400 µg/kg	Detected concentrations of arsenic, cadmium, lead, mercury, selenium, B(a)P, and phenanthrene exceed residential action level only. Detected concentration of PCB exceeds both residential and commercial/industrial action levels. Except for SB-46, all detected concentrations of TPH exceed both excavated and in-place action levels; SB-046 exceeds excavated action level only.	Impacted subareas should be excavated separately.
Area south of Blocks M, N, and O	Copper: 5,475 mg/kg Lead: 400 mg/kg Mercury: 3 mg/kg Nickel: 100 mg/kg BCIE: 39 µg/kg TPH: 10 mg/kg	Copper: 143,080 mg/kg Lead: 5,000 mg/kg Mercury: 613 mg/kg Nickel: 40,880 mg/kg BCIE: 704,000 µg/kg TPH: 100 mg/kg	A-14(d): Nickel at 142 mg/kg A-17: Lead at 628 mg/kg A-19: TPH at 124 mg/kg KD-23A: Mercury at 3.7 mg/kg KD-27A: Nickel at 464 mg/kg KD-33A: Copper at 8,460 mg/kg Lead at 1,100 mg/kg KD-39B: Lead at 533 mg/kg BCIE at 270 µg/kg SB-096: Lead at 480 mg/kg SB-097: Lead at 2,630 mg/kg SB-099: Lead at 630 mg/kg SB-100: Lead at 1,970 mg/kg SB-130: Lead at 542 mg/kg	Detected concentrations of copper, lead, mercury, nickel, and bis(2-chloroisopropyl)ether exceed the residential action levels only. Detected concentration of TPH exceeds both the excavated and in-place action levels.	Impacted subareas should be excavated separately.

Abbreviations:

B(a)P = Benzo(a)pyrene
BCIE = Bis(2-chloroisopropyl)ether
DCBZ = 3,3'-Dichlorobenzidine
PCB = Polychlorinated biphenyls
TCE = Trichloroethene
TPH = Total petroleum hydrocarbons

TABLE 8-1
VOLUME CALCULATIONS (STANDARD UNITS)
SOUTHEAST FEDERAL CENTER - SP-1

AREA	SUBPART	RECTANGULAR AREA					CIRCULAR AREA		VOLUME (cu. yds.)	VOLUME (tons)	TOTAL WEIGHT (tons)	TYPE OF CONTAMINATION	TYPE OF DISPOSAL
		Depth (feet)	Length (feet)	Width (feet)	VOLUME (cu. yds)	VOLUME (tons)	Depth (feet)	Radius (feet)					
A1		4	15	15	33	54					54	PCB	Industrial/Commercial Fill
TOTAL					**33**	**54**					**54**		
F1		5.3	60	20	236	382					382	TPH	Petroleum Contaminated Soil
TOTAL					**236**	**382**					**382**		
G1							4	30	419	679	679	PCB	Industrial/Commercial Fill
G2	*1*						*18*	*30*	*1,886*	*3,055*	*3,055*	*TPH*	*Petroleum Contaminated Soil*
G2	*2 (Irregular)*						*(4)*	*NA*	*(124)*	*(200)*	*(200)*	*TPH*	*Petroleum Contaminated Soil*
G2	TOTAL								1,762	2,854	2,854	TPH	Petroleum Contaminated Soil
TOTAL									**2,181**	**3,533**	**3,533**		
H1							5.5	30	576	933	933	METALS (Pb, Ni)	Industrial/Commercial Fill
H2	*1*	*20*	*420*	*200*	*62,222*	*100,800*					*100,800*	*TPH*	*Petroleum Contaminated Soil*
H2	*2*						*(6)*	*30*	(576)	*(933)*	*(933)*	*TPH*	*Petroleum Contaminated Soil*
H2	TOTAL				61,646	99,867					99,867	TPH	Petroleum Contaminated Soil
H3		4	60	40	356	576					576	TPH	Petroleum Contaminated Soil
TOTAL					**62,002**	**100,443**			**576**	**933**	**101,376**		
J1		3.5	60	30	233	378					378	PCB/METALS (Ni)	Industrial/Commercial Fill
J2							5.5	30	576	933	933	PCB/METALS (Ni)	Industrial/Commercial Fill
J3		6	35	35	272	441					441	METALS (As)	Industrial/Commercial Fill
J4		16	35	35	726	1,176					1,176	METALS (Pb, Cu)	Industrial/Commercial Fill
TOTAL					**1,231**	**1,995**			**576**	**933**	**2,928**		
K1		6	30	30	200	324					324	METALS (Pb, Ba)	Industrial/Commercial Fill
TOTAL					**200**	**324**					**324**		
L1							6	30	629	1,018	1,018	METALS (Ni)	Industrial/Commercial Fill
TOTAL									**629**	**1,018**	**1,018**		
M1		8	40	40	474	768					768	TCE	Petroleum Contaminated Soil
M2							4	15	105	170	170	3,3-DICHLOROBENZIDINE	RCRA TSD
TOTAL					**474**	**768**			**105**	**170**	**938**		
N1							14	30	1,467	2,376	2,376	TPH/METALS (Ni)	Petroleum Contaminated Soil
N2		4	60	20	178	288					288	METALS (Pb, Ba)	Industrial/Commercial Fill
N3		4	40	20	119	192					192	BENZO(A)PYRENE	Industrial/Commercial Fill
TOTAL					**296**	**480**			**1,467**	**2,376**	**2,856**		
O1							5	20	233	377	377	PCB/METALS/OTHER	TSCA Approved Landfill
O2							5	30	524	849	849	PCB	Industrial/Commercial Fill
O3							5	15	131	212	212	TPH/METALS (AS Cd, Pb, Hg, Se)	Industrial/Commercial Fill
O4	*1*	*16*	*160*	*80*	*7,585*	*12,288*					*12,288*	*TPH/METALS (Pb)*	*Petroleum Contaminated Soil*
O4	*2 (Irregular)*	*(5)*	*NA*	*NA*	*(128)*	*(207)*					*(207)*	*TPH/METALS (Pb)*	*Petroleum Contaminated Soil*
O4	TOTAL				7,457	12,081					12,081	TPH/METALS (Pb)	Petroleum Contaminated Soil
TOTAL					**7,457**	**12,081**			**888**	**1,438**	**13,519**		
SF1		10	250	75	6,944	11,250					11,250	METALS (Pb, Cu)	Industrial/Commercial Fill
TOTAL					**6,944**	**11,250**					**11,250**		

TABLE 8-2
VOLUME CALCULATIONS (METRIC UNITS)
SOUTHEAST FEDERAL CENTER SP-1

AREA	SUBPART	RECTANGULAR AREA					CIRCULAR AREA		VOLUME (cu. mts.)	VOLUME (tons)	TOTAL WEIGHT (tons)	TYPE OF CONTAMINATION	TYPE OF DISPOSAL
		Depth (meter)	Length (meter)	Width (meter)	VOLUME (cu. mts)	VOLUME (tons)	Depth (meter)	Radius (meter)					
A1		1.2	4.6	4.6	25	49					49	PCB	Industrial/Commercial Fill
TOTAL					**25**	**49**					**49**		
F1		1.6	18.3	6.1	180	346					346	TPH	Petroleum Contaminated Soil
TOTAL					**180**	**346**					**346**		
G1							1.2	9.1	320	615	615	PCB	Industrial/Commercial Fill
G2	*1*						*5.5*	*9.1*	*1,442*	*2,768*	*2,768*	*TPH*	*Petroleum Contaminated Soil*
G2	*2 (Irregular)*						*(1)*	*NA*	*(95)*	*(182)*	*(182)*	*TPH*	*Petroleum Contaminated Soil*
G2	TOTAL								1,347	2,586	2,586	TPH	Petroleum Contaminated Soil
TOTAL									**1,668**	**3,202**	**3,202**		
H1							1.7	9.1	441	846	846	METALS (Pb, Ni)	Industrial/Commercial Fill
H2	*1*	*6.1*	*128.0*	*61.0*	*47,572*	*91,339*					*91,339*	*TPH*	*Petroleum Contaminated Soil*
H2	*2*						*(2)*	*9.1*	*(441)*	*(846)*	*(846)*	*TPH*	*Petroleum Contaminated Soil*
H2	TOTAL				47,132	90,493					90,493	TPH	Petroleum Contaminated Soil
H3		1.2	18.3	12.2	272	522					522	TPH	Petroleum Contaminated Soil
TOTAL					**47,404**	**91,015**			**441**	**846**	**91,861**		
J1		1.1	18.3	9.1	178	343					343	PCB/METALS (Ni)	Industrial/Commercial Fill
J2							1.7	9.1	441	846	846	PCB/METALS (Ni)	Industrial/Commercial Fill
J3		1.8	10.7	10.7	208	400					400	METALS (As)	Industrial/Commercial Fill
J4		4.9	10.7	10.7	555	1,066					1,066	METALS (Pb, Cu)	Industrial/Commercial Fill
TOTAL					**942**	**1,808**			**441**	**846**	**2,654**		
K1		1.8	9.1	9.1	153	294					294	METALS (Pb, Ba)	Industrial/Commercial Fill
TOTAL					**153**	**294**					**294**		
L1							1.8	9.1	481	923	923	METALS (Ni)	Industrial/Commercial Fill
TOTAL									**481**	**923**	**923**		
M1		2.4	12.2	12.2	362	696					696	TCE	Petroleum Contaminated Soil
M2							1.2	4.6	80	154	154	3,3-DICHLOROBENZIDINE	RCRA TSD
TOTAL					**362**	**696**			**80**	**154**	**850**		
N1							4.3	9.1	1,121	2,153	2,153	TPH/METALS (Ni)	Petroleum Contaminated Soil
N2		1.2	18.3	6.1	136	261					261	METALS (Pb, Ba)	Industrial/Commercial Fill
N3		1.2	12.2	6.1	91	174					174	BENZO(A)PYRENE	Industrial/Commercial Fill
TOTAL					**227**	**435**			**1,121**	**2,153**	**2,588**		
O1							1.5	6.1	178	342	342	PCB/METALS/OTHER	TSCA Approved Landfill
O2							1.5	9.1	400	769	769	PCB	Industrial/Commercial Fill
O3							1.5	4.6	100	192	192	TPH/METALS (AS Cd, Pb, Hg, Se)	Industrial/Commercial Fill
O4	*1*	*4.9*	*48.8*	*24.4*	*5,799*	*11,135*					*11,135*	*TPH/METALS (Pb)*	*Petroleum Contaminated Soil*
O4	*2 (Irregular)*	*(2)*	*NA*	*NA*	*(98)*	*(187)*					*(187)*	*TPH/METALS (Pb)*	*Petroleum Contaminated Soil*
O4	TOTAL					10,947					10,947	TPH/METALS (Pb)	Petroleum Contaminated Soil
TOTAL					**0**	**10,947**			**679**	**1,303**	**12,250**		
SF1		3.0	76.2	22.9	5,309	10,194					10,194	METALS (Pb, Cu)	Industrial/Commercial Fill
TOTAL					**5,309**	**10,194**					**10,194**		

FIGURES