

Demonstration of Steam Injection/Extraction Treatment of a DNAPL Source Zone at Launch Complex 34 in Cape Canaveral Air Force Station

Final Innovative Technology Evaluation Report

Appendix C: CVOC Measurements

- C.1 TCE Results of Groundwater Samples
- C.2 Other CVOC Results of Groundwater Samples
- C.3 Steam Injection Predemonstration Soil Results
- C.4 Steam Injection Postdemonstration Soil Results

Table C-1. TCE Results of Groundwater Samples

Well ID	TCE (µg/L)						
	Pre-Demo ¹⁾	Aug 01		Nov 01		Post-Demo ³⁾	
	Results	Aug 01	%Change in Conc.	Nov 01	%Change in Conc.	Post-Demo ³⁾	%Change in Conc.
Steam Injection Wells							
PA-16S	<2	NA	NA	NA	NA	6,130	306,400%
PA-16I	81	NA	NA	NA	NA	1,750	2,060%
PA-16D	280,000	NA	NA	NA	NA	210,000	25%
PA-17S	650,000	NA	NA	NA	NA	145,000	78%
PA-17I	210,000	NA	NA	NA	NA	13,800	93%
PA-17D	840,000	NA	NA	NA	NA	2,770	>99%
PA-17D-DUP	860,000	NA	NA	NA	NA	2,680	>99%
Steam Injection Perimeter Wells							
PA-18S ²⁾	1,000,000	1,200,000	20%	1,140,000	14%	1,280,000	28%
PA-18I ²⁾	930,000	720,000	23%	1,200,000	29%	1,220,000	31%
PA-18D ²⁾	980,000	480,000	51%	483,000	51%	645,000	34%
PA-19S ²⁾	130,000 D	120,000	8%	1,030	>99%	93	>99%
PA-19I ²⁾	483,000 D	290,000	40%	153,000	68%	248,000	49%
PA-19D ²⁾	306,000 D	24,000	92%	5,540	98%	2,280	>99%
BAT-5S	33,000	270,000 D	718%	532	98%	3,660	89%
BAT-5S-DUP	NA	NA	NA	595	98%	NA	NA
BAT-5I	480,000	50,000	90%	56,400	88%	142	>99%
BAT-5D	410,000	280,000	32%	176,000	57%	155,000	62%
BAT-5D-DUP	NA	300,000	27%	NA	NA	NA	NA
PA-14S ⁴⁾	647,000	44,000	93%	4,280	>99%	24,900	96%
PA-14S-DUP	601,000	NA	NA	4,410	>99%	NA	NA
PA-14I ⁴⁾	174,000	37,000	NA	<500	NA	1,570	NA
PA-14D ⁴⁾	2,730	4,100	50%	1,570	42%	7,070	159%
Distant Wells							
PA-1S	8,000	<150	>99%	1,990	75%	405	95%
PA-1I	<250	<290	NA	1,360	988%	17	86%
PA-1D	<4	<3	NA	<20	NA	32 S	710%

NA: Not available.

D: Diluted.

Purple or tannish orange denotes water sample color observed during the sampling.

1) Pre-demo (November, 2000) is defined as the sample collection event prior to steam injection.

2) PA-18 and PA-19 samples for pre-demo were collected on January 12, 2001.

3) Post-demo samples were collected in February 2002.

4) PA-14 samples were collected in June 2001.

Table C-2. Other CVOC Results of Groundwater Samples

Well ID	<i>cis</i> -1,2-DCE (µg/L)				<i>trans</i> -1,2-DCE (µg/L)				Vinyl chloride (µg/L)			
	Pre-Demo ¹⁾	Aug 01	Nov 01	Post-Demo ³⁾	Pre-Demo ¹⁾	Aug 01	Nov 01	Post-Demo ³⁾	Pre-Demo ¹⁾	Aug 01	Nov 01	Post-Demo ³⁾
Steam Injection Wells												
PA-16S	<2	NA	NA	18,700	<2	NA	NA	140	<4	NA	NA	98
PA-16I	9.5	NA	NA	7,570	<4	NA	NA	73.8	<8	NA	NA	170
PA-16D	38,000	NA	NA	52,000	<17,000	NA	NA	302	<33,000	NA	NA	150 J
PA-17S	21,000 J	NA	NA	1,130	<42,000	NA	NA	<200	<83,000	NA	NA	<200
PA-17I	260,000	NA	NA	1,790	<10,000	NA	NA	47.9	<20,000	NA	NA	128
PA-17D	36,000 J	NA	NA	252	<42,000	NA	NA	8.28	<83,000	NA	NA	13.4
PA-17D-DUP	35,000 J	NA	NA	242	<42,000	NA	NA	7.88	<83,000	NA	NA	13
Steam Injection Perimeter Wells												
PA-18S	6,400 J	13,000 J	33,100	27,900	<33,000	<17,000	<100	120J	<67,000	<33,000	220J	210 J
PA-18I	<50,000	12,000 J	11,900	10,200	<50,000	<17,000	<100	100J	<100,000	<33,000	320J	160 J
PA-18D	<50,000	12,000 J	19,800	8,780	<50,000	<17,000	120J	<500	<100,000	<33,000	230J	<500
PA-19S ²⁾	127,000 D	87,000	2,030	2,090	1440	2,600 J	65	55.4	790	<8,300	96	326
PA-19I ²⁾	131,000	61,000	24,900	34,400	440 J	<10,000	240 J	615	<1,000	<20,000	<50	297
PA-19D ²⁾	31,300	51,000	39,400	39,600	<1,000	550 J	493	712	<1,000	2,200 J	1,560	1,390
BAT-5S	<17,000	4,500	3,180	34,000	<17,000	<1,200	58	407	<33,000	<2,500	705	679
BAT-5S-DUP	NA	NA	3,400	NA	NA	NA	66	NA	NA	NA	732	NA
BAT-5I	<10	1,100	97,200	2,250	<10	<1,100	753	57	<20	<2,200	137	322
BAT-5D	<1,700	<5,900	5,400	9,560	<1,700	<5,900	86	99J	<3,300	<12,000	<10	68 J
BAT-5D-DUP	NA	<5,900	NA	NA	NA	<5,900	NA	NA	NA	<12,000	NA	NA
PA-14S ⁴⁾	73,800	160,000	63,000	21,400	<1,000	<6,200	362	129	6,280	16,000	25,400	6,320
PA-14S-DUP ⁴⁾	73,200	NA	64,300	NA	<1,000	NA	289	NA	6,110	NA	25,500	NA
PA-14I ⁴⁾	80,000	230,000	196,000	17,800	1,150	<8,300	805	138	1,710	<17,000	48,700	30,600
PA-14D ⁴⁾	2,660	3,100	6,250	4,150	33	<170	17	16.4	49	120 J	1,320	1,480
Distant Wells												
PA-1S	22,000	3,900	23,200	10,400	570 J	110 J	212	127	560 J	120 J	1,520	932
PA-1I	2,400	7,500	13,800	17,000	300	560	809	670	5,100	3,800	2,610	2,040
PA-1D	<4	65	1,890	317S	2.8 J	26	95	79 S	76	930 D	1,300	1,760S

NA: Not analyzed.

D: Diluted.

J: Estimated value, below reporting limit

S: Spike recovery was outside control limits.

Yellow indicates that a measurable concentration was obtained for this sample.

Orange indicates that concentration in this well increased compared to pre-treatment levels.

Table C-2. Other CVOC Results of Groundwater Samples

Blue indicates that concentration in this well decreased compared to pre-treatment levels.

- 1) Pre-demo (November, 2000) is defined as the sample collection event prior to steam injection.
- 2) PA-18 and -19 cluster wells were not installed and sampled until January 2001.
- 3) Post-demo sampling was conducted in February 2002.
- 4) PA-14 samples were collected in June 2001.

Table C-3. Steam Injection Predemonstration Soil Results at Cape Canaveral LC34

Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-31-2	0	2	12/7/2000	204	101	100	15,000 D	38.9	<250	ND	<250	ND	<500	ND
SB-31-4	2	4	12/7/2000	200	154	149	2,400	4	<250	ND	<250	ND	<500	ND
SB-31-6	4	6	12/7/2000	197	165	160	5,300	8	<250	ND	<250	ND	<500	ND
SB-31-8	6	8	12/7/2000	193	159	152	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-10	8	10	12/8/2000	204	180	163	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-12	10	12	12/8/2000	199	175	151	500	1	<250	ND	<250	ND	<500	ND
SB-31-14	12	14	12/8/2000	195	158	128	2,400	5	<250	ND	<250	ND	<500	ND
SB-31-16	14	16	12/8/2000	195	170	146	360	1	<250	ND	<250	ND	<500	ND
SB-31-18	16	18	12/8/2000	193	215	179	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-20	18	20	12/8/2000	203	228	188	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-22	20	22	12/8/2000	194	202	168	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-24	22	24	12/8/2000	188	219	180	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-26	24	26	12/8/2000	199	230	186	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-28	26	28	12/8/2000	194	174	136	520	1	<250	ND	<250	ND	<500	ND
SB-31-30	28	30	12/8/2000	199	229	183	10,000	16	<500	ND	<500	ND	<1,000	ND
SB-31-32	30	32	12/8/2000	201	279	219	74,000	106	<2,500	ND	<2,500	ND	<5,000	ND
SB-31-32-DUP	30	32	12/8/2000	195	207	163	54,000	96	<2,500	ND	<2,500	ND	<5,000	ND
SB-31-34	32	34	12/8/2000	200	210	180	49,000	77	<2,500	ND	<2,500	ND	<5,000	ND
SB-31-36	34	36	12/8/2000	196	233	201	39,000	54	<1,600	ND	<1,600	ND	<3,100	ND
SB-31-38	36	38	12/8/2000	195	270	213	98,000	140	<4,500	ND	<4,500	ND	<9,100	ND
SB-31-40	38	40	12/8/2000	203	220	159	110,000	220	<6,200	ND	<6,200	ND	<12,000	ND
SB-31-42	40	42	12/8/2000	197	222	171	54,000	95	<2,500	ND	<2,500	ND	<5,000	ND
SB-31-44	42	44	12/8/2000	203	197	162	40,000	72	<2,000	ND	<2,000	ND	<4,000	ND
SB-31-46	44	46	12/8/2000	202	230	181	190,000	320	<8,300	ND	<8,300	ND	<17,000	ND
SB-31-73	Lab Blank		12/8/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
SB-31-74	Lab Blank		12/8/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
RINSATE-12	EQ		12/8/2000	NA	NA	NA	<1	ND	<1	ND	<1	ND	<2	ND
SB-32-2	0	2	12/6/2000	200	135	134	<250	ND	<250	ND	<250	ND	<500	ND
SB-32-4	2	4	12/6/2000	195	193	184	<250	ND	<250	ND	<250	ND	<500	ND
SB-32-6	4	6	12/6/2000	192	203	196	340	0.43	<250	ND	<250	ND	<500	ND
SB-32-8	6	8	12/6/2000	192	132	125	<250	ND	<250	ND	<250	ND	<500	ND
SB-32-10	8	10	12/6/2000	200	188	168	<250	ND	<250	ND	<250	ND	<500	ND
SB-32-12	10	12	12/6/2000	194	207	176	5,600	9	<250	ND	<250	ND	<500	ND
SB-32-14	12	14	12/6/2000	193	196	158	<250	ND	<250	ND	<250	ND	<500	ND
SB-32-16	14	16	12/6/2000	200	213	182	<250	ND	<250	ND	<250	ND	<500	ND
SB-32-18	16	18	12/6/2000	198	226	187	<250	ND	300	0	<250	ND	<500	ND
SB-32-18-DUP	16	18	12/6/2000	191	199	167	<250	ND	<250	ND	<250	ND	<500	ND
SB-32-20	18	20	12/6/2000	196	174	148	3,100	6	<250	ND	<250	ND	<500	ND
SB-32-22	20	22	12/6/2000	189	171	137	42,000	84	<2,000	ND	<2,000	ND	<4,000	ND
SB-32-24	22	24	12/6/2000	201	220	183	4,900,000	7,803	<250,000	ND	<250,000	ND	<500,000	ND
SB-32-26	24	26	12/6/2000	192	174	141	860,000	1,684	<25,000	ND	<25,000	ND	<50,000	ND
SB-32-28	26	28	12/6/2000	198	170	135	780,000	1,650	<25,000	ND	<25,000	ND	<50,000	ND

Table C-3. Steam Injection Predemonstration Soil Results at Cape Canaveral LC34 (Continued)

Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-32-30	28	30	12/6/2000	194	260	199	1,000,000 D	1,541	<36,000	ND	<36,000	ND	<71,000	ND
SB-32-32	30	32	12/6/2000	200	228	188	1,500,000	2,339	<36,000	ND	<36,000	ND	<71,000	ND
SB-32-34	32	34	12/6/2000	191	197	159	3,400,000	5,983	<250,000	ND	<250,000	ND	<500,000	ND
SB-32-36	34	36	12/6/2000	201	300	245	2,600,000	3,284	<120,000	ND	<120,000	ND	<250,000	ND
SB-32-38	36	38	12/6/2000	193	273	214	6,900,000	9,779	<500,000	ND	<500,000	ND	<1,000,000	ND
SB-32-40	38	40	12/6/2000	200	276	216	1,700,000	2,465	<36,000	ND	<36,000	ND	<71,000	ND
SB-32-42	40	42	12/6/2000	199	172	128	570,000	1,318	<25,000	ND	<25,000	ND	<50,000	ND
SB-32-44	42	44	12/6/2000	195	207	175	1,200,000	1,912	<25,000	ND	<25,000	ND	<50,000	ND
SB-32-46	44	46	12/6/2000	199	333	267	7,800,000	9,287	<500,000	ND	<500,000	ND	<1,000,000	ND
SB-32-69	Lab Blank		12/6/2000	NA	NA	NA	260		<250	ND	<250	ND	<500	ND
SB-32-70	Lab Blank		12/6/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
SB-33-2	0	2	12/7/2000	198	172	167	3,200	5	<250	ND	<250	ND	<500	ND
SB-33-4	2	4	12/7/2000	192	189	184	290	0.39	<250	ND	<250	ND	<500	ND
SB-33-6	4	6	12/7/2000	198	187	183	2,500	3	<250	ND	<250	ND	<500	ND
SB-33-8	6	8	12/7/2000	193	197	189	1,900	3	<250	ND	<250	ND	<500	ND
SB-33-10	8	10	12/7/2000	201	137	124	<250	ND	<250	ND	<250	ND	<500	ND
SB-33-12	10	12	12/7/2000	191	192	163	950	2	<250	ND	<250	ND	<500	ND
SB-33-14	12	14	12/7/2000	194	132	107	<500	ND	6,200	16	<500	ND	<1,000	ND
SB-33-16	14	16	12/7/2000	199	167	143	<500	ND	8,200	16	<500	ND	<1,000	ND
SB-33-18	16	18	12/7/2000	198	190	163	<250	ND	2,800	5	<250	ND	<500	ND
SB-33-20	18	20	12/7/2000	199	171	144	6,500	13	<250	ND	<250	ND	<500	ND
SB-33-22	20	22	12/7/2000	192	158	134	23,000	46	<1,000	ND	<1,000	ND	<2,000	ND
SB-33-22-DUP	20	22	12/7/2000	195	182	155	22,000	39	<1,000	ND	<1,000	ND	<2,000	ND
SB-33-24	22	24	12/7/2000	194	207	174	91,000	146	<3,800	ND	<3,800	ND	<7,700	ND
SB-33-26	24	26	12/7/2000	191	204	166	91,000	153	<3,800	ND	<3,800	ND	<7,700	ND
SB-33-28	26	28	12/7/2000	191	189	157	96,000	167	<3,800	ND	<3,800	ND	<7,700	ND
SB-33-30	28	30	12/7/2000	192	221	172	280,000	475	<12,000	ND	<12,000	ND	<25,000	ND
SB-33-32	30	32	12/7/2000	189	199	170	1,800,000	2,840	<62,000	ND	<62,000	ND	<120,000	ND
SB-33-34	32	34	12/7/2000	190	202	167	280,000	462	<12,000	ND	<12,000	ND	<25,000	ND
SB-33-36	34	36	12/7/2000	195	210	181	160,000	244	<10,000	ND	<10,000	ND	<20,000	ND
SB-33-38	36	38	12/7/2000	199	270	219	6,400,000	8,852	<250,000	ND	<250,000	ND	<500,000	ND
SB-33-40	38	40	12/7/2000	199	222	172	2,100,000	3,686	<62,000	ND	<62,000	ND	<120,000	ND
SB-33-42	40	42	12/7/2000	194	190	160	180,000	310	<10,000	ND	<10,000	ND	<20,000	ND
SB-33-44	42	44	12/7/2000	189	227	191	1,600,000	2,306	<50,000	ND	<50,000	ND	<100,000	ND
SB-33-46	44	46	12/7/2000	193	266	216	14,000,000	19,075	<710,000	ND	<710,000	ND	<1,400,000	ND
SB-33-71	Lab Blank		12/7/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
SB-33-72	Lab Blank		12/7/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
RINSATE-11	EQ		12/7/2000	NA	NA	NA	<1	ND	<1	ND	<1	ND	<2	ND
SB-34-2	0	2	11/28/2000	190	181	177	<250	ND	<250	ND	<250	ND	<500	ND
SB-34-4	2	4	11/28/2000	193	114	112	19,000	42	<620	ND	<620	ND	<1,200	ND
SB-34-6	4	6	11/28/2000	187	131	127	3,200	6	<250	ND	<250	ND	<500	ND
SB-34-8	6	8	11/28/2000	197	127	117	610	1	<250	ND	<250	ND	<500	ND

Table C-3. Steam Injection Predemonstration Soil Results at Cape Canaveral LC34 (Continued)

Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-34-10	8	10	12/2/2000	195	196	168	330	1	<250	ND	<250	ND	<500	ND
SB-34-12	10	12	12/2/2000	196	215	180	<250	ND	<250	ND	<250	ND	<500	ND
SB-34-14	12	14	12/2/2000	194	177	161	<250	ND	<250	ND	<250	ND	<500	ND
SB-34-16	14	16	12/2/2000	195	214	180	<250	ND	<250	ND	<250	ND	<500	ND
SB-34-18	16	18	12/2/2000	198	214	192	910	1	<250	ND	<250	ND	<500	ND
SB-34-20	18	20	12/2/2000	197	194	115	1,400	4	<250	ND	<250	ND	<500	ND
SB-34-22	20	22	12/2/2000	204	208	159	4,900	9	<250	ND	<250	ND	<500	ND
SB-34-24	22	24	12/2/2000	198	195	155	1,500	3	<250	ND	<250	ND	<500	ND
SB-34-26	24	26	12/2/2000	190	218	179	4,600,000	7,183	<100,000	ND	<100,000	ND	<200,000	ND
SB-34-28	26	28	12/2/2000	190	236	183	43,000	69	<1,200	ND	<1,200	ND	<2,500	ND
SB-34-30	28	30	12/2/2000	196	227	174	120,000	208	<5,000	ND	<5,000	ND	<10,000	ND
SB-34-30-DUP	28	30	12/2/2000	191	228	176	130,000	217	<5,000	ND	<5,000	ND	<10,000	ND
SB-34-32	30	32	12/2/2000	191	245	201	86,000	122	<3,800	ND	<3,800	ND	<7,700	ND
SB-34-34	32	34	12/2/2000	194	279	215	32,000	46	20,000	29	<1,500	ND	<2,900	ND
SB-34-36	34	36	12/2/2000	203	285	217	150,000	225	9,700	15	<8,300	ND	<17,000	ND
SB-34-38	36	38	12/2/2000	194	204	151	67,000 D	132	2,200	4	<1,000	ND	<2,000	ND
SB-34-40	38	40	12/2/2000	191	238	176	47,000	81	2,700	5	<2,500	ND	<5,000	ND
SB-34-43	41	43	12/2/2000	192	230	183	17,000	27	<830	ND	<830	ND	<1,700	ND
SB-34-45	43	45	12/2/2000	201	252	200	390,000	598	<17,000	ND	<17,000	ND	<33,000	ND
SB-34-64	Lab Blank		11/30/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
RINSATE-6	EQ		12/1/2000	NA	NA	NA	1		<1	ND	<1	ND	<2	ND
SB-35-2	0	2	11/28/2000	198	159	154	450	1	<250	ND	<250	ND	<500	ND
SB-35-4	2	4	11/28/2000	201	189	185	270	0.38	<250	ND	<250	ND	<500	ND
SB-35-6	4	6	11/28/2000	196	163	156	280	0.46	<250	ND	<250	ND	<500	ND
SB-35-8	6	8	11/28/2000	203	180	161	<250	ND	<250	ND	<250	ND	<500	ND
SB-35-10	8	10	12/2/2000	198	198	184	5,900	8	<250	ND	<250	ND	<500	ND
SB-35-12	10	12	12/2/2000	194	262	223	1,200	2	<250	ND	<250	ND	<500	ND
SB-35-14	12	14	12/2/2000	188	246	203	530	1	2,200	3	<250	ND	<500	ND
SB-35-16	14	16	12/2/2000	194	277	237	4,800	6	<250	ND	<250	ND	<500	ND
SB-35-18	16	18	12/2/2000	179	222	180	4,200	6	<250	ND	<250	ND	<500	ND
SB-35-20	18	20	12/2/2000	191	183	153	18,000	32	<830	ND	<830	ND	<1,700	ND
SB-35-22	20	22	12/2/2000	202	184	149	24,000	47	<1,200	ND	<1,200	ND	<2,500	ND
SB-35-24	22	24	12/2/2000	193	195	163	6,200	11	<380	ND	<380	ND	<770	ND
SB-35-24-DUP	22	24	12/2/2000	195	218	176	18,000	30	<1,000	ND	<1,000	ND	<2,000	ND
SB-35-26	24	26	12/2/2000	191	178	140	58,000	116	<3,100	ND	<3,100	ND	<6,200	ND
SB-35-28	26	28	12/2/2000	193	286	217	180,000	260	<6,200	ND	<6,200	ND	<12,000	ND
SB-35-30	28	30	12/2/2000	194	261	207	3,400,000	4,920	<100,000	ND	<100,000	ND	<200,000	ND
SB-35-32	30	32	12/2/2000	185	270	217	3,300,000 D	4,367	<10,000	ND	<10,000	ND	<20,000	ND
SB-35-34	32	34	12/2/2000	191	267	206	3,000,000	4,409	<83,000	ND	<83,000	ND	<170,000	ND
SB-35-36	34	36	12/2/2000	192	245	189	190,000	301	<8,300	ND	<8,300	ND	<17,000	ND
SB-35-38	36	38	12/2/2000	196	254	195	250,000	394	<12,000	ND	<12,000	ND	<25,000	ND
SB-35-40	38	40	12/2/2000	201	261	174	220,000	432	<8,300	ND	<8,300	ND	<17,000	ND

Table C-3. Steam Injection Predemonstration Soil Results at Cape Canaveral LC34 (Continued)

Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-35-43	41	43	12/2/2000	194	302	240	3,300,000	4,229	<120,000	ND	<120,000	ND	<250,000	ND
SB-35-45	43	45	12/2/2000	198	252	205	5,700,000	8,276	<250,000	ND	<250,000	ND	<500,000	ND
SB-35-66	Lab Blank		12/4/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
RINSATE-7	EQ		12/1/2000	NA	NA	NA	<1	ND	<1	ND	<1	ND	<2	ND
SB-36-2	0	2	12/9/2000	193	123	121	<250	ND	<250	ND	<250	ND	<500	ND
SB-36-4	2	4	12/9/2000	206	152	151	<250	ND	<250	ND	<250	ND	<500	ND
SB-36-6	4	6	12/9/2000	202	151	144	<250	ND	<250	ND	<250	ND	<500	ND
SB-36-8	6	8	12/9/2000	196	192	173	260	0.40	<250	ND	<250	ND	<500	ND
SB-36-10	8	10	12/11/2000	196	175	143	5,100	10	780	2	<250	ND	<500	ND
SB-36-12	10	12	12/11/2000	196	182	150	3,700	7	350	1	<250	ND	<500	ND
SB-36-14	12	14	12/11/2000	190	195	163	1,100	2	860	1	<250	ND	<500	ND
SB-36-16	14	16	12/11/2000	192	204	174	<250	ND	3,400	5	<250	ND	<500	ND
SB-36-16-DUP	14	16	12/11/2000	193	180	154	250	0.44	2,600	5	<250	ND	<500	ND
SB-36-18	16	18	12/11/2000	202	168	141	4,400	9	2,400	5	<250	ND	<500	ND
SB-36-20	18	20	12/11/2000	203	232	189	6,900	11	610	1	<380	ND	<770	ND
SB-36-22	20	22	12/11/2000	197	147	121	4,400,000	10,013	<250,000	ND	<250,000	ND	<500,000	ND
SB-36-24	22	24	12/11/2000	203	113	98	420,000	1,166	<21,000	ND	<21,000	ND	<42,000	ND
SB-36-26	24	26	12/11/2000	204	118	96	150,000	438	12,000	35	<10,000	ND	<20,000	ND
SB-36-28	26	28	12/11/2000	201	164	130	89,000	197	14,000	31	<4,200	ND	<8,300	ND
SB-36-30	28	30	12/11/2000	202	201	159	2,300,000	4,306	<120,000	ND	<120,000	ND	<250,000	ND
SB-36-32	30	32	12/11/2000	200	181	145	4,700,000	9,373	<380,000	ND	<380,000	ND	<770,000	ND
SB-36-34	32	34	12/11/2000	209	175	138	14,000,000	30,593	<380,000	ND	<380,000	ND	<770,000	ND
SB-36-36	34	36	12/11/2000	197	158	124	6,500,000	14,854	<500,000	ND	<500,000	ND	<1,000,000	ND
SB-36-38	36	38	12/11/2000	198	116	97	1,500,000	4,143	<120,000	ND	<120,000	ND	<250,000	ND
SB-36-40	38	40	12/11/2000	203	173	135	730,000	1,595	<38,000	ND	<38,000	ND	<77,000	ND
SB-36-43	41	43	12/11/2000	198	231	182	13,000,000	21,402	<620,000	ND	<620,000	ND	<1,200,000	ND
SB-36-45	43	45	12/11/2000	198	181	146	13,000,000	25,433	<620,000	ND	<620,000	ND	<1,200,000	ND
SB-36-78	Lab Blank		12/11/2000	NA	NA	NA	1,200		<250	ND	<250	ND	<500	ND
SB-36-79	Lab Blank		12/11/2000	NA	NA	NA	570		<250	ND	<250	ND	<500	ND
SB-36-EB	EQ		12/11/2000	NA	NA	NA	<1	ND	<1	ND	<1	ND	<2	ND
SB-37-2	0	2	11/28/2000	189	138	138	500	1	<250	ND	<250	ND	<500	ND
SB-37-4	2	4	11/28/2000	191	149	139	<250	ND	<250	ND	<250	ND	<500	ND
SB-37-6	4	6	11/28/2000	191	125	118	<250	ND	<250	ND	<250	ND	<500	ND
SB-37-8	6	8	11/28/2000	193	166	145	<250	ND	<250	ND	<250	ND	<500	ND
SB-37-10	8	10	11/29/2000	204	195	168	490	1	<250	ND	<250	ND	<500	ND
SB-37-12	10	12	11/29/2000	201	214	170	2,000	4	<250	ND	<250	ND	<500	ND
SB-37-14	12	14	11/29/2000	201	169	135	15,000	32	<500	ND	<500	ND	<1,000	ND
SB-37-16	14	16	11/29/2000	206	203	173	16,000	27	<500	ND	<500	ND	<1,000	ND
SB-37-18	16	18	11/29/2000	202	212	176	640,000	1,061	<38,000	ND	<38,000	ND	<7,700	ND
SB-37-20	18	20	11/29/2000	204	204	174	39,000	65	<10,000	ND	<10,000	ND	<20,000	ND
SB-37-22	20	22	11/29/2000	197	157	125	20,000	45	<1,800	ND	<1,800	ND	<3,600	ND
SB-37-24	22	24	11/29/2000	198	163	137	41,000	83	1,200	2	<1,200	ND	<2,500	ND

Table C-3. Steam Injection Predemonstration Soil Results at Cape Canaveral LC34 (Continued)

Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-37-24-DUP	22	24	11/29/2000	193	195	156	32,000	58	1,300	2	<1,200	ND	<2,500	ND
SB-37-26	24	26	11/29/2000	191	222	171	230,000	394	<8,300	ND	<8,300	ND	<17,000	ND
SB-37-28	26	28	11/29/2000	192	243	190	220,000	343	<6,200	ND	<6,200	ND	<12,000	ND
SB-37-30	28	30	11/29/2000	181	260	199	2,700,000 D	3,936	<62,000	ND	<62,000	ND	<120,000	ND
SB-37-32	30	32	11/29/2000	196	226	186	390,000	604	<12,000	ND	<12,000	ND	<25,000	ND
SB-37-34	32	34	11/29/2000	195	206	159	3,600,000 D	6,653	<62,000	ND	<62,000	ND	<120,000	ND
SB-37-36	34	36	11/29/2000	192	213	161	5,600,000 D	10,262	<83,000	ND	<83,000	ND	<170,000	ND
SB-37-38	36	38	11/29/2000	200	230	164	430,000	837	<12,000	ND	<12,000	ND	<25,000	ND
SB-37-40	38	40	11/29/2000	188	251	205	310,000	429	<12,000	ND	<12,000	ND	<25,000	ND
SB-37-43	41	43	11/29/2000	192	229	177	7,700,000 D	12,835	<83,000	ND	<83,000	ND	<170,000	ND
SB-37-45	43	45	11/29/2000	192	164	125	5,400,000 D	12,184	<62,000	ND	<62,000	ND	<120,000	ND
RINSATE-4	EQ		11/30/2000	NA	NA	NA	1		<1	ND	<1	ND	<2	ND
SB-38-2	0	2	11/28/2000	189	146	144	380	1	<250	ND	<250	ND	<500	ND
SB-38-4	2	4	11/28/2000	190	148	147	370	1	<250	ND	<250	ND	<500	ND
SB-38-6	4	6	11/28/2000	188	176	156	570	1	<250	ND	<250	ND	<500	ND
SB-38-8	6	8	11/28/2000	191	221	186	<250	ND	<250	ND	<250	ND	<500	ND
SB-38-10	8	10	12/1/2000	200	177	149	670	1	<250	ND	<250	ND	<500	ND
SB-38-12	10	12	12/1/2000	189	174	144	250	0.47	<250	ND	<250	ND	<500	ND
SB-38-14	12	14	12/1/2000	204	224	193	<250	ND	<250	ND	<250	ND	<500	ND
SB-38-16	14	16	12/1/2000	196	189	156	4,000	7	<250	ND	<250	ND	<500	ND
SB-38-18	16	18	12/1/2000	199	187	154	7,700	14	<380	ND	<380	ND	<770	ND
SB-38-20	18	20	12/1/2000	202	223	186	42,000	66	<1,800	ND	<1,800	ND	<3,600	ND
SB-38-22	20	22	12/1/2000	195	168	160	100,000	159	<3,600	ND	<3,600	ND	<7,100	ND
SB-38-24	22	24	12/1/2000	195	170	141	2,400,000	4,695	<62,000	ND	<62,000	ND	<120,000	ND
SB-38-26	24	26	12/1/2000	192	196	149	240,000	467	<10,000	ND	<10,000	ND	<20,000	ND
SB-38-28	26	28	12/1/2000	192	204	163	3,000,000	5,228	<62,000	ND	<62,000	ND	<120,000	ND
SB-38-30	28	30	12/1/2000	NA	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA
SB-38-33	31	33	12/1/2000	194	238	180	370,000	624	<12,000	ND	<12,000	ND	<25,000	ND
SB-38-35	33	35	12/1/2000	197	253	216	1,600,000	2,121	<50,000	ND	<50,000	ND	<100,000	ND
SB-38-37	35	37	12/1/2000	200	264	188	300,000	525	<10,000	ND	<10,000	ND	<20,000	ND
SB-38-39	37	39	12/1/2000	195	256	204	230,000	337	<8,300	ND	<8,300	ND	<17,000	ND
SB-38-39-DUP	37	39	12/1/2000	197	259	223	240,000	307	<8,300	ND	<8,300	ND	<17,000	ND
SB-38-41	39	41	12/1/2000	192	305	230	13,000,000 D	17,976	<250,000	ND	<250,000	ND	<500,000	ND
SB-38-43	41	43	12/1/2000	204	347	295	6,700,000	7,046	<210,000	ND	<210,000	ND	<420,000	ND
SB-38-45	43	45	12/1/2000	197	222	186	16,000,000	24,548	<500,000	ND	<500,000	ND	<1,000,000	ND
SB-38-67	Lab Blank		12/4/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
RINSATE-8	EQ		12/4/2000	NA	NA	NA	1		<1	ND	<1	ND	<2	ND
SB-39-2	0	2	11/28/2000	200	189	184	2,000	3	<250	ND	<250	ND	<500	ND
SB-39-4	2	4	11/28/2000	199	176	160	470	1	<250	ND	<250	ND	<500	ND
SB-39-6	4	6	11/28/2000	200	157	139	3,800	7	<250	ND	<250	ND	<500	ND
SB-39-8	6	8	11/28/2000	191	202	177	1,100	2	<250	ND	<250	ND	<500	ND
SB-39-10	8	10	11/28/2000	203	211	183	950	1	<250	ND	<250	ND	<500	ND

Table C-3. Steam Injection Predemonstration Soil Results at Cape Canaveral LC34 (Continued)

Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-39-12	10	12	12/1/2000	203	178	144	900	2	<250	ND	<250	ND	<500	ND
SB-39-14	12	14	12/1/2000	206	265	230	960	1	<250	ND	<250	ND	<500	ND
SB-39-16	14	16	12/1/2000	200	201	167	3,800	7	710	1	<250	ND	<500	ND
SB-39-18	16	18	12/1/2000	198	240	199	5,600	8	870	1	<250	ND	<500	ND
SB-39-20	18	20	12/1/2000	193	226	189	9,500	14	320	0	<250	ND	<500	ND
SB-39-20-DUP	18	20	12/1/2000	193	154	128	5,100	11	<250	ND	<250	ND	<500	ND
SB-39-22	20	22	12/1/2000	193	189	153	71,000	130	<2,500	ND	<2,500	ND	<5,000	ND
SB-39-24	22	24	12/1/2000	196	240	195	100,000	150	<6,200	ND	<6,200	ND	<12,000	ND
SB-39-26	24	26	12/1/2000	195	210	162	250,000	455	<10,000	ND	<10,000	ND	<20,000	ND
SB-39-28	26	28	12/1/2000	193	232	182	220,000	356	<12,000	ND	<12,000	ND	<25,000	ND
SB-39-30	28	30	12/1/2000	192	297	227	240,000	331	<12,000	ND	<12,000	ND	<25,000	ND
SB-39-32	30	32	12/1/2000	190	230	188	160,000	240	<8,300	ND	<8,300	ND	<17,000	ND
SB-39-34	32	34	12/1/2000	197	274	214	190,000	275	<10,000	ND	<10,000	ND	<20,000	ND
SB-39-36	34	36	12/1/2000	193	235	181	210,000	346	<10,000	ND	<10,000	ND	<20,000	ND
SB-39-38	36	38	12/1/2000	193	275	197	290,000	474	<12,000	ND	<12,000	ND	<25,000	ND
SB-39-40	38	40	12/1/2000	196	273	233	220,000	272	<10,000	ND	<10,000	ND	<20,000	ND
SB-39-43	41	43	12/1/2000	194	298	221	2,500,000	3,649	<83,000	ND	<83,000	ND	<170,000	ND
SB-39-45	43	45	12/1/2000	196	310	251	6,100,000	7,463	<120,000	ND	<120,000	ND	<250,000	ND
SB-39-68	Lab Blank		12/4/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
RINSATE-9	EQ		12/4/2000	NA	NA	NA	<1	ND	<1	ND	<1	ND	<2	ND
SB-40-2	0	2	11/28/2000	197	133	130	2,500	5	<250	ND	<250	ND	<500	ND
SB-40-4	2	4	11/28/2000	198	145	142	250	0.45	<250	ND	<250	ND	<500	ND
SB-40-6	4	6	11/28/2000	211	198	182	<250	ND	<250	ND	<250	ND	<500	ND
SB-40-8	6	8	11/28/2000	191	265	218	<250	ND	<250	ND	<250	ND	<500	ND
SB-40-10	8	10	11/29/2000	196	227	190	2,800	4	490	1	<250	ND	<500	ND
SB-40-12	10	12	11/29/2000	200	177	145	890	2	<250	ND	<250	ND	<500	ND
SB-40-14	12	14	11/29/2000	198	172	136	6,000	13	1,200	3	<250	ND	<500	ND
SB-40-16	14	16	11/29/2000	201	145	120	4,800	11	2,900	7	<250	ND	<500	ND
SB-40-18	16	18	11/29/2000	191	208	172	<500	ND	5,600	9	<500	ND	<1,000	ND
SB-40-20	18	20	11/29/2000	192	208	191	13,000	18	8,100	11	<830	ND	<1,700	ND
SB-40-22	20	22	11/29/2000	190	171	135	25,000	51	7,500	15	<1,800	ND	<3,600	ND
SB-40-24	22	24	11/29/2000	191	208	171	52,000	85	8,000	13	<1,800	ND	<3,600	ND
SB-40-26	24	26	11/29/2000	193	239	186	160,000	256	<5,000	ND	<5,000	ND	<10,000	ND
SB-40-28	26	28	11/29/2000	192	211	171	130,000	215	<3,600	ND	<3,600	ND	<7,100	ND
SB-40-30	28	30	11/29/2000	202	259	204	120,000	183	6,900	11	<3,600	ND	<7,100	ND
SB-40-32	30	32	11/29/2000	201	265	214	78,000	111	23,000	33	<2,500	ND	<5,000	ND
SB-40-34	32	34	11/29/2000	194	244	187	<2,500	ND	34,000	55	<2,500	ND	<5,000	ND
SB-40-36	34	36	11/29/2000	192	229	172	42,000	73	52,000	91	<3,600	ND	<7,100	ND
SB-40-36-DUP	34	36	11/29/2000	193	215	165	26,000	46	47,000	84	<3,100	ND	<6,200	ND
SB-40-38	36	38	11/29/2000	197	231	168	54,000	100	36,000	67	<2,500	ND	<5,000	ND
SB-40-40	38	40	11/29/2000	191	240	179	3,600	6	32,000	54	<2,500	ND	<5,000	ND
SB-40-43	41	43	11/29/2000	196	229	183	83,000	133	<2,500	ND	<2,500	ND	<5,000	ND

Table C-3. Steam Injection Predemonstration Soil Results at Cape Canaveral LC34 (Continued)

Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-41B-32	30	32	12/11/2000	201	215	171	180,000	314	<8,300	ND	<8,300	ND	<17,000	ND
SB-41B-34	32	34	12/11/2000	189	202	147	230,000	460	<17,000	ND	<17,000	ND	<33,000	ND
SB-41B-36	34	36	12/11/2000	201	223	158	270,000	546	<17,000	ND	<17,000	ND	<33,000	ND
SB-41B-38	36	38	12/11/2000	199	242	189	170,000	274	8,600	14	<8,300	ND	<17,000	ND
SB-41B-40	38	40	12/11/2000	202	202	144	180,000	392	12,000	26	<8,300	ND	<17,000	ND
SB-41B-40-DUP	38	40	12/11/2000	200	202	147	170,000	356	12,000	25	<10,000	ND	<20,000	ND
SB-41B-43	41	43	12/11/2000	197	330	264	11,000,000	13,140	<620,000	ND	<620,000	ND	<1,200,000	ND
SB-41B-45	43	45	12/11/2000	197	137	102	8,600,000 D	23,976	<62,000	ND	<62,000	ND	<120,000	ND
SB-41B-82	Lab Blank		12/12/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
SB-41B-83	Lab Blank		12/12/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
SB-41B-EB	EQ		12/12/2000	NA	NA	NA	<1	ND	<1	ND	<1	ND	<1	ND
SB-42-2	0	2	11/28/2000	197	117	107	2,000	5	<250	ND	<250	ND	<500	ND
SB-42-4	2	4	11/28/2000	189	122	117	410	1	<250	ND	<250	ND	<500	ND
SB-42-6	4	6	11/28/2000	193	134	109	3,100	8	<250	ND	<250	ND	<500	ND
SB-42-8	6	8	11/28/2000	195	176	139	2,300	5	<250	ND	<250	ND	<500	ND
SB-42-10	8	10	11/28/2000	201	189	158	<250	ND	<250	ND	<250	ND	<500	ND
SB-42-12	10	12	11/28/2000	192	203	159	<250	ND	<250	ND	<250	ND	<500	ND
SB-42-14	12	14	11/28/2000	212	203	172	<250	ND	<250	ND	<250	ND	<500	ND
SB-42-16	14	16	11/28/2000	191	175	146	<250	ND	<250	ND	<250	ND	<500	ND
SB-42-18	16	18	11/28/2000	194	231	192	<250	ND	<250	ND	<250	ND	<500	ND
SB-42-20	18	20	11/28/2000	198	208	161	<250	ND	<250	ND	<250	ND	<500	ND
SB-42-22	20	22	11/28/2000	200	166	139	24,000	48	4,400	9	<1,000	ND	<2,000	ND
SB-42-24	22	24	11/28/2000	201	173	138	71,000	149	<3,600	ND	<3,600	ND	<7,100	ND
SB-42-26	24	26	11/28/2000	205	170	139	100,000	209	<5,000	ND	<5,000	ND	<10,000	ND
SB-42-28	26	28	11/28/2000	202	243	201	110,000	163	<5,600	ND	<5,600	ND	<11,000	ND
SB-42-30	28	30	11/28/2000	201	209	166	180,000	323	<8,300	ND	<8,300	ND	<17,000	ND
SB-42-32	30	32	11/28/2000	200	263	220	130,000	175	<6,200	ND	<6,200	ND	<12,000	ND
SB-42-34	32	34	11/28/2000	196	185	137	3,400,000	7,348	<71,000	ND	<71,000	ND	<140,000	ND
SB-42-34B	32	34	11/28/2000	192	186	137	1,600,000	3,411	<62,000	ND	<62,000	ND	<120,000	ND
SB-42-36	34	36	11/28/2000	209	190	146	810,000	1,712	<31,000	ND	<31,000	ND	<62,000	ND
SB-42-38	36	38	11/28/2000	206	172	127	170,000	409	<8,300	ND	<8,300	ND	<17,000	ND
SB-42-40	38	40	11/28/2000	190	212	159	150,000	277	17,000	31	<4,200	ND	<8,300	ND
SB-42-43	41	43	11/28/2000	193	216	168	200,000	348	<6,200	ND	<6,200	ND	<12,000	ND
SB-42-45	42	44	11/28/2000	192	210	154	8,600,000 D	16,700	<83,000	ND	<83,000	ND	<170,000	ND
SB-42-62	Lab Blank		11/28/2000	NA	NA	NA	<250	ND	<250	ND	<250	ND	<500	ND
RINSATE-2	EQ		11/28/2000	NA	NA	NA	1		<1	ND	<1	ND	<2	ND

NA: Not available.

ND: Not detected.

NR: No recovery.

EQ: Equipment rinsate blank.

J: Result was estimated but below the reporting limit.

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-231-2 (SS)	0	2	1/30/2002	192	90	90	<100	ND	<100	ND	<100	ND	<100	ND
SB-231-4	2	4	1/30/2002	191	141	136	<100	ND	<100	ND	<100	ND	<100	ND
SB-231-6	4	6	1/30/2002	191	138	133	<100	ND	<100	ND	<100	ND	<100	ND
SB-231-8	6	8	1/30/2002	191	85	84	106	0	<100	ND	<100	ND	<100	ND
SB-231-10	8	10	1/30/2002	190	144	123	422	1	16J	0	<100	ND	<100	ND
SB-231-12	10	12	1/30/2002	190	138	123	3,470	7	133	0	<100	ND	<100	ND
SB-231-14	12	14	1/30/2002	190	133	117	4,020	9	273	1	<100	ND	<100	ND
SB-231-16	14	16	1/30/2002	192	134	112	549	1	840	2	13J	0	<100	ND
SB-231-18	16	18	1/30/2002	190	129	110	469	1	863	2	<100	ND	<100	ND
SB-231-20	18	20	1/30/2002	191	139	114	873	2	841	2	<100	ND	<100	ND
SB-231-22	20	22	1/30/2002	189	125	104	472	1	789	2	<100	ND	<100	ND
SB-231-24	22	24	1/30/2002	190	122	100	1,520	4	1,160	3	16J	0	<100	ND
SB-231-26	24	26	1/30/2002	190	124	102	2,710	7	1,380	4	22J	0	<100	ND
SB-231-28	26	28	1/30/2002	190	150	125	5,180	11	1,770	4	23J	0	<100	ND
SB-231-30	28	30	1/30/2002	191	134	109	7,630	19	2,160	5	26J	0	<100	ND
SB-231-32	30	32	1/30/2002	192	167	138	5,570	11	2,830	6	31J	0	<100	ND
SB-231-34	32	34	1/30/2002	191	154	124	5,400	12	2,640	6	30J	0	<100	ND
SB-231-36	34	36	1/30/2002	191	161	147	31,400	55	3,900	7	33J	0	22J	0
SB-231-38	36	38	1/30/2002	191	127	105	115,000	289	5,910	15	31J	0	29J	0
SB-231-40	38	40	1/30/2002	191	155	114	154,000	382	1,370	3	<100	ND	<100	ND
SB-231-40DUP	38	40	1/30/2002	191	124	94	150,000	434	659	2	<100	ND	<100	ND
SB-231-42	40	42	1/30/2002	191	145	116	162,000	378	214	0	<100	ND	<100	ND
SB-231-44	42	44	1/30/2002	193	157	133	136,000	274	245	0	<100	ND	<100	ND
SB-231-46	44	46	1/30/2002	191	169	135	392,000	801	193	0	<100	ND	<100	ND
SB-231-MB (SS)	Lab Blank		1/30/2002	191	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-231-RINSATE	EQ		1/30/2002	NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-232-2 (SS)	0	2	1/29/2002	191	124	120	<100	ND	<100	ND	<100	ND	<100	ND
SB-232-4	2	4	1/29/2002	191	131	126	<100	ND	<100	ND	<100	ND	<100	ND
SB-232-6	4	6	1/29/2002	191	127	120	<100	ND	<100	ND	<100	ND	<100	ND
SB-232-8	6	8	1/29/2002	193	79	80	<100	ND	<100	ND	<100	ND	<100	ND
SB-232-10	8	10	1/29/2002	191	130	120	3,260	7	295	1	<100	ND	<100	ND
SB-232-12	10	12	1/29/2002	192	117	107	5,200	12	1,380	3	<100	ND	<100	ND
SB-232-14	12	14	1/29/2002	192	130	112	2,640	6	875	2	<100	ND	<100	ND

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-232-16	14	16	1/29/2002	192	87	82	1,830	6	2,780	8	<100	ND	<100	ND
SB-232-18	16	18	1/29/2002	192	124	107	2,320	6	4,780	12	<100	ND	23J	0
SB-232-20	18	20	1/29/2002	191	90	80	2,080	7	3,520	11	<100	ND	<100	ND
SB-232-22	20	22	1/29/2002	193	144	120	13,600	30	7,370	16	<100	ND	62J	0
SB-232-24	22	24	1/29/2002	192	155	129	23,000	48	10,600	22	23J	0	161	0
SB-232-26	24	26	1/29/2002	192	157	128	152,000	323	12,800	27	36J	0	145	0
SB-232-28	26	28	1/29/2002	192	153	128	3,860,000	8,083	81,700	171	380J	0	810J	0
SB-232-30	28	30	1/29/2002	193	110	90	82,100	241	11,200	33	30J	0	166	0
SB-232-32	30	32	1/29/2002	192	159	109	448,000	1,204	17,000	46	<1000	ND	120J	0
SB-232-34	32	34	1/29/2002	193	154	127	262,000	560	15,400	33	39J	0	83J	0
SB-232-34-DUP	32	34	1/29/2002	193	107	92	177,000	499	9,710	27	23J	0	52J	0
SB-232-36	34	36	1/29/2002	192	141	123	286,000	607	11,300	24	27J	0	56J	0
SB-232-38	36	38	1/29/2002	192	133	122	196,000	408	9,750	20	19J	0	39J	0
SB-232-40	38	40	1/29/2002	193	137	93	182,000	564	6,680	21	<100	ND	28J	0
SB-232-42	40	42	1/29/2002	191	139	113	139,000	329	4,750	11	11J	0	<100	ND
SB-232-44	42	44	1/29/2002	192	113	89	107,000	321	7,180	22	22J	0	<100	ND
SB-232-46	44	46	1/29/2002	192	144	121	142,000	312	7,220	16	23J	0	<100	ND
SB-232-MB (SS)	Lab Blank		1/29/2002	192	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-232-RINSATE	EQ		1/29/2002	NA	NA	NA	7	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-233-2 (SS)	0	2	1/28/2002	192	160	151	107	0	93J	0	<100	ND	<100	ND
SB-233-4	2	4	1/28/2002	192	184	178	<100	ND	<100	ND	<100	ND	<100	ND
SB-233-6	4	6	1/28/2002	193	163	158	<100	ND	<100	ND	<100	ND	<100	ND
SB-233-8	6	8	1/28/2002	194	92	89	124	0	<100	ND	<100	ND	<100	ND
SB-233-10	8	10	1/28/2002	195	130	108	5,120 S	13	159	0	<100	ND	<100	ND
SB-233-12	10	12	1/28/2002	195	129	113	8,160	19	835	2	<100	ND	<100	ND
SB-233-14	12	14	1/28/2002	193	181	153	9,850	18	2,990	5	<100	ND	16J	0
SB-233-16	14	16	1/28/2002	191	195	161	8,760	15	9,380	16	<100	ND	84J	0
SB-233-18	16	18	1/28/2002	191	181	154	2,600	5	8,780	15	15J	0	114	0
SB-233-20	18	20	1/28/2002	191	113	94	1,350	4	5,130	14	<100	ND	79J	0
SB-233-22	20	22	1/28/2002	192	200	157	4,730	9	12,700	23	33J	0	214	0
SB-233-24	22	24	1/28/2002	191	184	152	32,800	59	7,720	14	<100	ND	177	0
SB-233-26	24	26	1/28/2002	190	170	146	55,600	101	8,450	15	<100	ND	221	0
SB-233-26-DUP	24	26	1/28/2002	190	133	108	51,400	126	6,270	15	<100	ND	161	0

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-233-28	26	28	1/28/2002	190	146	123	158,000	338	7,340	16	<100	ND	51J	0
SB-233-30	28	30	1/28/2002	191	115	92	162,000	466	6,230	18	<200	ND	<200	ND
SB-233-32	30	32	1/28/2002	190	142	114	3,920,000	9,233	29,900	70	<1000	ND	<1000	ND
SB-233-34	32	34	1/28/2002	191	201	166	804,000	1,341	11,500	19	<1000	ND	<1000	ND
SB-233-36	34	36	1/28/2002	191	248	210	810,000	1,079	5,080	7	<1000	ND	<1000	ND
SB-233-38	36	38	1/28/2002	190	147	123	755,000	1,624	2,100	5	<500	ND	<500	ND
SB-233-40	38	40	1/28/2002	189	240	181	41,800	69	3,820	6	<500	ND	<500	ND
SB-233-42	40	42	1/28/2002	191	275	183	193,000	352	4,240	8	<500	ND	<500	ND
SB-233-44	42	44	1/28/2002	191	136	112	376,000	892	5,420	13	<500	ND	<500	ND
SB-233-46	44	46	1/28/2002	190	114	98	822,000	2,152	5,280	14	<500	ND	<500	ND
SB-233-MB (SS)	Lab Blank		1/28/2002	192	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-233-RINSATE	EQ		1/28/2002	NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-234-2 (SS)	0	2	2/13/2002	192	203	193	<100	ND	<100	ND	<100	ND	<100	ND
SB-234-4	2	4	2/13/2002	192	167	151	473	1	<100	ND	<100	ND	<100	ND
SB-234-6	4	6	2/13/2002	192	210	204	105	0	<100	ND	<100	ND	<100	ND
SB-234-8	6	8	2/13/2002	196	84	71	<100	ND	<100	ND	<100	ND	<100	ND
SB-234-10	8	10	2/13/2002	195	66	60	262	1	<100	ND	<100	ND	<100	ND
SB-234-12	10	12	2/13/2002	193	84	75	<100	ND	<100	ND	<100	ND	<100	ND
SB-234-14	12	14	2/13/2002	194	95	81	135	0	<100	ND	<100	ND	<100	ND
SB-234-16	14	16	2/13/2002	194	144	121	532	1	<100	ND	<100	ND	<100	ND
SB-234-18	16	18	2/13/2002	192	193	163	749	1	153	0	<100	ND	<100	ND
SB-234-20	18	20	2/13/2002	193	162	139	1,170	2	161	0	<100	ND	<100	ND
SB-234-22	20	22	2/13/2002	194	138	116	2,170	5	149	0	<100	ND	<100	ND
SB-234-24	22	24	2/13/2002	192	126	105	1,620	4	151	0	<100	ND	<100	ND
SB-234-24-DUP SY	22	24	2/13/2002	194	150	119	1,630	4	148	0	<100	ND	<100	ND
SB-234-26	24	26	2/13/2002	191	157	127	3,220	7	217	0	<100	ND	<100	ND
SB-234-26-DUP	24	26	2/13/2002	194	95	76	3,210	11	217	1	<100	ND	<100	ND
SB-234-28	26	28	2/13/2002	191	141	108	13,600	35	281	1	<100	ND	<100	ND
SB-234-30	28	30	2/13/2002	191	185	145	13,300	26	309	1	<100	ND	<100	ND
SB-234-32	30	32	2/13/2002	192	195	136	20,300	45	601	1	<100	ND	<100	ND
SB-234-34	32	34	2/13/2002	193	101	92	7,830	22	289	1	<100	ND	<100	ND
SB-234-36	34	36	2/13/2002	192	159	142	14,600	27	439	1	<100	ND	<100	ND
SB-234-38	36	38	2/13/2002	193	91	80	11,800	38	296	1	<100	ND	<100	ND

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil	Dry Soil	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth			Weight (g)	Weight (g)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-234-40	38	40	2/13/2002	193	154	112	94,900	243	856	2	<100	ND	<100	ND
SB-234-42	40	42	2/13/2002	192	143	126	30,900	64	417	1	<100	ND	<100	ND
SB-234-44	42	44	2/13/2002	192	198	154	89,100	166	2,550	5	<100	ND	<100	ND
SB-234-46	44	46	2/13/2002	191	177	155	65,600	112	1,760	3	<100	ND	<100	ND
SB-234-MB (SS)	Lab Blank		2/13/2002	193	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-234-RINSATE	EQ		2/13/2002	NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-235-2 (SS)	0	2	2/14/2002	193	137	132	115	0	<100	ND	<100	ND	<100	ND
SB-235-4	2	4	2/14/2002	193	120	129	159	0	<100	ND	<100	ND	<100	ND
SB-235-6	4	6	2/14/2002	192	123	121	139	0	<100	ND	<100	ND	<100	ND
SB-235-8	6	8	2/14/2002	190	91	82	7,700	23	229	1	<100	ND	<100	ND
SB-235-10	8	10	2/14/2002	195	145	133	8,280	16	238	0	<100	ND	<100	ND
SB-235-12	10	12	2/14/2002	198	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-235-14	12	14	2/14/2002	195	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-235-14C	12	14	2/14/2002	193	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-235-16	14	16	2/14/2002	199	102	94	10,900	30	207	1	<100	ND	<100	ND
SB-235-18	16	18	2/14/2002	198	47	47	4,600	25	134	1	<100	ND	<100	ND
SB-235-20	18	20	2/14/2002	194	79	66	14,300	56	214	1	<100	ND	<100	ND
SB-235-22	20	22	2/14/2002	196	65	55	9,900	46	170	1	<100	ND	<100	ND
SB-235-24	22	24	2/14/2002	194	125	101	36,200	97	2,900	8	<100	ND	<100	ND
SB-235-26	24	26	2/14/2002	197	113	97	44,000	120	218	1	<100	ND	<100	ND
SB-235-26-DUP	24	26	2/14/2002	190	141	121	40,200	87	239	1	<100	ND	<100	ND
SB-235-28	26	28	2/14/2002	196	86	72	32,200	117	148	1	<100	ND	<100	ND
SB-235-30	28	30	2/14/2002	199	119	94	56,600	167	238	1	<100	ND	<100	ND
SB-235-32	30	32	2/14/2002	197	77	69	11,900	44	57J	0	<100	ND	<100	ND
SB-235-34	32	34	2/14/2002	194	102	84	75,600	237	309	1	<100	ND	<100	ND
SB-235-36	34	36	2/14/2002	190	46	44	10,500	58	50J	0	<100	ND	<100	ND
SB-235-38	36	38	2/14/2002	193	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-235-40	38	40	2/14/2002	187	132	114	14,800	33	30J	0	<100	ND	<100	ND
SB-235-42	40	42	2/14/2002	191	69	71	13,900	47	15J	0	<100	ND	<100	ND
SB-235-44	42	44	2/14/2002	191	168	149	28,000	49	34J	0	<100	ND	<100	ND
SB-235-45	43	45	2/14/2002	197	139	124	18,800	40	23J	0	<100	ND	<100	ND
SB-235-45C	43	45	2/14/2002	193	151	119	19,700	46	22J	0	<100	ND	<100	ND
SB-235-MB (SS)	Lab Blank		2/14/2002	195	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil	Dry Soil	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth			Weight (g)	Weight (g)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-235-RINSATE	EQ		2/14/2002	NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-236-2 (SS)	0	2	2/12/2002	193	185	186	274	0	16J	0	<100	ND	<100	ND
SB-236-4	2	4	2/12/2002	192	134	130	129 S	0	<100	ND	<100	ND	<100	ND
SB-236-6	4	6	2/12/2002	192	217	216	315	0	33J	0	<100	ND	<100	ND
SB-236-8	6	8	2/12/2002	193	51	50	324	2	142	1	<100	ND	<100	ND
SB-236-10	8	10	2/12/2002	192	82	70	528	2	178	1	<100	ND	<100	ND
SB-236-12	10	12	2/12/2002	192	160	136	4,190	8	2,520	5	<100	ND	32J	0
SB-236-14	12	14	2/12/2002	191	176	151	1,530	3	2,410	4	<100	ND	47J	0
SB-236-16	14	16	2/12/2002	191	80	70	690	2	1,060	4	<100	ND	22J	0
SB-236-18	16	18	2/12/2002	194	142	120	3,480	8	1,950	4	<100	ND	22J	0
SB-236-20	18	20	2/12/2002	192	112	103	1,450	4	1,990	5	<100	ND	37J	0
SB-236-20-DUP	18	20	2/12/2002	193	151	126	1,470	3	2,020	4	<100		38J	0
SB-236-22	20	22	2/12/2002	192	189	158	3,390	6	2,700	5	<100	ND	46J	0
SB-236-24	22	24	2/12/2002	192	125	103	2,240	6	2,440	6	<100	ND	59J	0
SB-236-26	24	26	2/12/2002	193	165	113	2,310	6	3,190	8	19J	0	61J	0
SB-236-28	26	28	2/12/2002	192	183	146	6,820	13	2,770	5	18J	0	76J	0
SB-236-30	28	30	2/12/2002	193	167	149	5,350	9	2,340	4	<100	ND	65J	0
SB-236-32	30	32	2/12/2002	192	145	125	12,400	26	2,290	5	<100	ND	<100	ND
SB-236-34	32	34	2/12/2002	192	104	76	9,720	35	1,850	7	<100	ND	<100	ND
SB-236-36	34	36	2/12/2002	192	132	116	32,500	73	4,350	10	<100	ND	42J	0
SB-236-38	36	38	2/12/2002	192	161	140	48,200	91	6,000	11	20J	0	65J	0
SB-236-40	38	40	2/12/2002	192	179	148	58,500	108	10,500	19	33J	0	87J	0
SB-236-42	40	42	2/12/2002	192	147	119	77,300	176	10,800	25	32J	0	122	0
SB-236-44	42	44	2/12/2002	193	175	144	77,000	147	14,700	28	75J	0	87J	0
SB-236-46	44	46	2/12/2002	192	209	169	93,400	156	18,100	30	99J	0	97J	0
SB-236-MB (SS)	Lab Blank		2/12/2002	192	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-236-RINSATE	EQ		2/12/2002	NA	NA	NA	11	ND	2	ND	<1.0	ND	<1.0	ND
SB-237-2 (SS)	0	2	2/7/2002	193	76	77	<100	ND	<100	ND	<100	ND	<100	ND
SB-237-4	2	4	2/7/2002	193	107	84	<100	ND	<100	ND	<100	ND	<100	ND
SB-237-6	4	6	2/7/2002	192	105	90	3,200	9	183	1	<100	ND	<100	ND
SB-237-8	6	8	2/7/2002	192	108	95	752	2	65J	0	<100	ND	<100	ND
SB-237-10	8	10	2/7/2002	192	90	82	345	1	77J	0	<100	ND	<100	ND
SB-237-12	10	12	2/7/2002	193	158	139	579	1	165	0	<100	ND	<100	ND

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil	Dry Soil	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth			Weight (g)	Weight (g)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-237-14	12	14	2/7/2002	193	125	120	531	1	118	0	<100	ND	<100	ND
SB-237-16	14	16	2/7/2002	192	146	132	375	1	178	0	<100	ND	36J	0
SB-237-16-DUP	14	16	2/7/2002	193	125	111	380	1	180	0	<100	ND	36J	0
SB-237-18	16	18	2/7/2002	193	154	141	1,800	3	458	1	<100	ND	<100	ND
SB-237-20	18	20	2/7/2002	191	160	143	3,200	6	618	1	<100	ND	<100	ND
SB-237-22	20	22	2/7/2002	192	198	173	6,110	9	859	1	<100	ND	<100	ND
SB-237-24	22	24	2/7/2002	192	146	127	6,960	14	294	1	<100	ND	46J	0
SB-237-26	24	26	2/7/2002	193	112	94	4,670	13	285	1	<100	ND	22J	0
SB-237-28	26	28	2/7/2002	193	133	107	39,100	99	1,700	4	25J	0	68J	0
SB-237-30	28	30	2/7/2002	193	147	126	39,400	83	1,860	4	29J	0	77J	0
SB-237-32	30	32	2/7/2002	192	149	124	18,100	39	3,810	8	45J	0	33J	0
SB-237-34	32	34	2/7/2002	193	88	81	7,280	23	1,440	4	15J	0	<100	ND
SB-237-36	34	36	2/7/2002	192	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-237-38	36	38	2/7/2002	191	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-237-40	38	40	2/7/2002	192	128	112	12,600	29	1,360	3	<100	ND	77J	0
SB-237-42	40	42	2/7/2002	192	125	108	16,600	40	1,230	3	<100	ND	90J	0
SB-237-44	42	44	2/7/2002	192	195	146	1,210,000	2,420	2,370	5	<1000	ND	<1000	ND
SB-237-46	44	46	2/7/2002	193	123	101	1,670,000	4,403	1,580	4	<1000	ND	<1000	ND
SB-237-MB (SS)	Lab Blank		2/7/2002	192	NA	NA	120	0	<100	ND	<100	ND	<100	ND
SB-237-RINSATE	EQ		2/7/2002	NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-238-2 (SS)	0	2	2/15/2002	192	121	116	162	0	<100	ND	<100	ND	<100	ND
SB-238-4	2	4	2/15/2002	192	172	137	344	1	<100	ND	<100	ND	<100	ND
SB-238-6	4	6	2/15/2002	193	157	123	7,560	17	415	1	26J	0	<100	ND
SB-238-8	6	8	2/15/2002	194	141	119	172	0	<100	ND	<100	ND	<100	ND
SB-238-10	8	10	2/15/2002	194	97	80	111	0	<100	ND	<100	ND	<100	ND
SB-238-12	10	12	2/15/2002	193	153	126	13,400	29	1,780	4	<100	ND	<100	ND
SB-238-14	12	14	2/15/2002	194	222	186	16,700	25	2,640	4	<100	ND	<100	ND
SB-238-16	14	16	2/15/2002	195	156	134	15,600	31	4,380	9	<100	ND	<100	ND
SB-238-18	16	18	2/15/2002	194	115	99	12,900	34	3,490	9	<100	ND	<100	ND
SB-238-20	18	20	2/15/2002	193	133	115	8,930	20	2,360	5	<100	ND	<100	ND
SB-238-20-DUP	18	20	2/15/2002	193	68	62	8,280	33	2,560	10	<100	ND	<100	ND
SB-238-22	20	22	2/15/2002	194	156	140	16,200	30	3,600	7	<100	ND	<100	ND
SB-238-24	22	24	2/15/2002	195	67	59	2,610	11	936	4	<100	ND	<100	ND

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-238-26	24	26	2/15/2002	194	67	63	3,540	14	1,190	5	<100	ND	<100	ND
SB-238-28	26	28	2/15/2002	193	213	172	10,900	18	3,740	6	30J	0	<100	ND
SB-238-30	28	30	2/15/2002	193	159	103	10,600	31	4,640	14	20J	0	<100	ND
SB-238-32	30	32	2/15/2002	193	85	51	8,690	47	1,960	11	<100	ND	<100	ND
SB-238-34	32	34	2/15/2002	193	136	121	6,490	14	1,570	3	<100	ND	<100	ND
SB-238-36	34	36	2/15/2002	198	108		11,400	#DIV/0!	2,370	#DIV/0!	<100	ND	<100	ND
SB-238-38	36	38	2/15/2002	193	162	118	22,700	55	9,790	24	47J	0	<100	ND
SB-238-40	38	40	2/15/2002	194	146	121	13,600	30	6,070	14	<100	ND	<100	ND
SB-238-42	40	42	2/15/2002	193	68	56	1,680	8	295	1	<100	ND	<100	ND
SB-238-44	42	44	2/15/2002	194	121	96	2,480	7	456	1	<100	ND	<100	ND
SB-238-45	44	46	2/15/2002	192	191	145	2,610	5	548	1	<100	ND	<100	ND
SB-238-MB (SS)	Lab Blank		2/15/2002	196	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-238-RINSATE	EQ		2/15/2002	NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-239-2 (SS)	0	2	2/6/2002	192	136	135	133	0	<100	ND	<100	ND	<100	ND
SB-239-4	2	4	2/6/2002	192	108	104	128	0	<100	ND	<100	ND	<100	ND
SB-239-6	4	6	2/6/2002	193	170	145	951	2	130	0	<100	ND	<100	ND
SB-239-8	6	8	2/6/2002	196	154	132	3,370	7	655	1	<100	ND	<100	ND
SB-239-10	8	10	2/6/2002	194	92	90	2,240	6	573	2	<100	ND	<100	ND
SB-239-12	10	12	2/6/2002	195	114	94	2,820	8	591	2	<100	ND	<100	ND
SB-239-14	12	14	2/6/2002	192	86	78	1,100	4	406	1	<100	ND	<100	ND
SB-239-16	14	16	2/6/2002	193	114	106	1,160	3	791	2	<100	ND	<100	ND
SB-239-18	16	18	2/6/2002	194	129	119	707	2	467	1	<100	ND	<100	ND
SB-239-20	18	20	2/6/2002	191	131	113	2,270	5	992	2	<100	ND	<100	ND
SB-239-22	20	22	2/6/2002	193	131	110	3,100	7	1,290	3	<100	ND	<100	ND
SB-239-24	22	24	2/6/2002	192	141	117	4,520	10	1,260	3	<100	ND	<100	ND
SB-239-24-DUP	22	24	2/6/2002	193	142	117	5,520	13	1,600	4	<100	ND	<100	ND
SB-239-26	24	26	2/6/2002	193	131	103	6,220	16	1,520	4	<100	ND	<100	ND
SB-239-28	26	28	2/6/2002	194	138	115	6,380	15	1,470	3	<100	ND	<100	ND
SB-239-30	28	30	2/6/2002	193	152	136	4,520	9	2,200	4	<100	ND	<100	ND
SB-239-32	30	32	2/6/2002	193	195	164	72,100	121	3,610	6	18J	0	30J	0
SB-239-34	32	34	2/6/2002	196	168	143	99,800	191	2,640	5	<100	ND	30J	0
SB-239-36	34	36	2/6/2002	193	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-239-38	36	38	2/6/2002	193	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-239-40	38	40	2/6/2002	192	170	148	42,800	77	24,300	44	32J	0	632	1
SB-239-42	40	42	2/6/2002	193	170	141	89,000	173	29,100	56	55J	0	902	2
SB-239-44	42	44	2/6/2002	192	165	132	175,000	366	4,710	10	<200	ND	130J	0
SB-239-46	44	46	2/6/2002	192	118	94	1,420,000	4,034	1,830	5	<1000	ND	<1000	ND
SB-239-MB (SS)	Lab Blank		2/6/2002	194	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-239-RINSATE	EQ		2/6/2002	NA	NA	NA								
SB-240-2 (SS)	0	2	2/4/2002	194	91	89	<100	ND	<100	ND	<100	ND	<100	ND
SB-240-4	2	4	2/4/2002	192	80	80	<100 S	ND	<100	ND	<100	ND	<100	ND
SB-240-6	4	6	2/4/2002	192	162	128	7,430	16	2,600	6	60J	0	<100	ND
SB-240-8	6	8	2/4/2002	197	128	118	6,680	15	2,700	6	37J	0	<100	ND
SB-240-10	8	10	2/4/2002	195	136	127	2,030	4	722	1	<100	ND	<100	ND
SB-240-12	10	12	2/4/2002	194	168	149	5,000	9	2,140	4	31J	0	<100	ND
SB-240-14	12	14	2/4/2002	193	130	119	2,810	6	673	1	21J	0	<100	ND
SB-240-16	14	16	2/4/2002	191	126	105	194	0	467	1	<100	ND	<100	ND
SB-240-18	16	18	2/4/2002	194	125	108	332	1	585	1	<100	ND	<100	ND
SB-240-20	18	20	2/4/2002	195	171	150	5,120	9	1,230	2	<100	ND	<100	ND
SB-240-22	20	22	2/4/2002	194	231	189	9,000	14	2,900	4	26J	0	<100	ND
SB-240-24	22	24	2/4/2002	194	162	129	954	2	2,190	5	30J	0	60J	0
SB-240-26	24	26	2/4/2002	194	131	111	12,100	29	4,790	11	81J	0	75J	0
SB-240-28	26	28	2/4/2002	193	135	108	22,000	55	3,830	10	50J	0	48J	0
SB-240-30	28	30	2/4/2002	195	112	91	27,400	81	2,570	8	29J	0	29J	0
SB-240-32	30	32	2/4/2002	194	103	85	13,300	41	2,580	8	45J	0	<100	ND
SB-240-34	32	34	2/4/2002	194	148	113	42,000	104	15,000	37	231	1	58J	0
SB-240-36	34	36	2/4/2002	191	129	99	80,000	220	18,300	50	167	0	96J	0
SB-240-38	36	38	2/4/2002	194	114	96	45,200	124	10,800	30	71J	0	68J	0
SB-240-38-DUP	36	38	2/4/2002	193	117	94	38,400	109	10,000	28	65J	0	59J	0
SB-240-40	38	40	2/4/2002	194	190	128	138,000	332	4,710	11	24J	0	<100	ND
SB-240-42	40	42	2/4/2002	194	153	125	127,000	278	1,820	4	<100	ND	<100	ND
SB-240-44	42	44	2/4/2002	194	165	122	186,000	440	2,390	6	<100	ND	<100	ND
SB-240-45	44	45	2/4/2002	195	116	76	175,000	660	3,190	12	<100	ND	<100	ND
SB-240-MB (SS)	Lab Blank		2/4/2002	194	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-240-RINSATE	EQ			NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-241-2 (SS)	0	2	2/1/2002	195	87	85	<100	ND	<100	ND	<100	ND	<100	ND

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-241-4	2	4	2/1/2002	196	121	122	<100	ND	<100	ND	<100	ND	<100	ND
SB-241-6	4	6	2/1/2002	193	158	131	7,300	15	538	1	<100	ND	<100	ND
SB-241-8	6	8	2/1/2002	193	134	129	5,610	11	472	1	<100	ND	<100	ND
SB-241-10	8	10	2/1/2002	194	176	156	7,050	12	1,910	3	<100	ND	<100	ND
SB-241-12	10	12	2/1/2002	192	102	88	779	2	1,190	3	<100	ND	<100	ND
SB-241-14	12	14	2/1/2002	190	131	116	1,050	2	3,530	8	<100	ND	<100	ND
SB-241-16	14	16	2/1/2002	192	121	103	277	1	3,430	9	<100	ND	50J	0
SB-241-18	16	18	2/1/2002	193	176	149	1,570	3	1,960	4	<100	ND	<100	ND
SB-241-20	18	20	2/1/2002	196	124	113	1,960	4	1,700	4	<100	ND	<100	ND
SB-241-20-DUP	18	20	2/1/2002	193	97	81	1,280	4	1,270	4	<100	ND	<100	ND
SB-241-22	20	22	2/1/2002	194	124	103	2,240	6	1,480	4	31J	0	<100	ND
SB-241-24	22	24	2/1/2002	193	122	106	616	2	1,850	5	29J	0	<100	ND
SB-241-26	24	26	2/1/2002	191	128	109	<100	ND	1,770	4	22J	0	<100	ND
SB-241-28	26	28	2/1/2002	192	134	106	1,700	4	3,400	9	69J	0	<100	ND
SB-241-30	28	30	2/1/2002	194	153	126	4,070	9	3,210	7	67J	0	<100	ND
SB-241-32	30	32	2/1/2002	194	171	143	16,000	31	3,660	7	49J	0	<100	ND
SB-241-34	32	34	2/1/2002	193	160	133	7,380	15	3,080	6	54J	0	<100	ND
SB-241-36	34	36	2/1/2002	194	157	114	64,500	163	17,500	44	142	0	63J	0
SB-241-38	36	38	2/1/2002	194	132	105	67,800 S	176	9,830 S	26	99J	0	<100	ND
SB-241-40	38	40	2/1/2002	193	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-241-42	40	42	2/1/2002	196	No Recovery		NA	NA	NA	NA	NA	NA	NA	NA
SB-241-44	42	44	2/1/2002	194	127	97	1,890,000	5,369	7,010	20	29J	0	<100	ND
SB-241-46	44	46	2/1/2002	194	130	97	687,000	1,973	1,600	5	<100	ND	<100	ND
SB-241-MB (SS)	Lab Blank		2/1/2002	193	0	0	<100	ND	<100	ND	<100	ND	<100	ND
SB-241-RINSATE	EQ			NA	NA	NA								
SB-242-2 (SS)	0	2	1/30/2002	192	72	71	<100	ND	<100	ND	<100	ND	<100	ND
SB-242-4	2	4	1/30/2002	191	110	114	<100	ND	<100	ND	<100	ND	<100	ND
SB-242-6	4	6	1/30/2002	191	112	89	2,180	6	984	3	<100	ND	<100	ND
SB-242-8	6	8	1/30/2002	190	112	103	3,940	10	791	2	<100	ND	<100	ND
SB-242-10	8	10	1/30/2002	191	118	102	999	3	1,140	3	20J	0	<100	ND
SB-242-12	10	12	1/30/2002	191	134	120	<100	ND	<100	ND	<100	ND	<100	ND
SB-242-14	12	14	1/30/2002	192	128	114	<100	ND	477	1	<100	ND	49J	0
SB-242-16	14	16	1/30/2002	191	136	114	<100	ND	594	1	<100	ND	97J	0

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-242-18	16	18	1/30/2002	191	128	108	<100	ND	864	2	<100	ND	59J	0
SB-242-20	18	20	1/30/2002	191	110	93	<100	ND	380	1	<100	ND	137	0
SB-242-22	20	22	1/30/2002	192	141	118	1,660	4	481	1	<100	ND	145	0
SB-242-24	22	24	1/30/2002	192	126	108	2,130	5	639	2	<100	ND	187	0
SB-242-26	24	26	1/30/2002	193	119	102	17,300	44	546	1	<100	ND	154	0
SB-242-28	26	28	1/30/2002	192	116	101	18,800	48	771	2	<100	ND	191	0
SB-242-30	28	30	1/30/2002	192	126	113	11,800	27	443	1	<100	ND	117	0
SB-242-32	30	32	1/30/2002	192	127	103	638,000	1,654	9,250	24	315	1	30J	0
SB-242-34	32	34	1/30/2002	191	110	87	439,000	1,336	10,300	31	264	1	29J	0
SB-242-36	34	36	1/30/2002	191	110	83	220,000	712	10,000	32	69J	0	<100	ND
SB-242-38	36	38	1/30/2002	191	88	68	377,000	1,451	11,500	44	76J	0	<100	ND
SB-242-38-DUP	36	38	1/30/2002	192	83	65	478,000	1,920	9,990	40	60J	0	<100	ND
SB-242-40	38	40	1/30/2002	190	142	114	30,900	73	15,600	37	85J	0	<100	ND
SB-242-42	40	42	1/30/2002	190	123	77	2,440	9	3,320	12	19J	0	<100	ND
SB-242-44	42	44	1/30/2002	190	173	129	5,190,000	11,446	2,840	6	<100	ND	<100	ND
SB-242-46	44	46	1/30/2002	191	160	133	3,210,000	6,487	1,760	4	<100	ND	<100	ND
SB-242-MB (SS)	Lab Blank		1/30/2002	191	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-242-RINSATE	EQ		1/30/2002	NA	NA	NA	1.38	ND	<1.0	ND	<1.0	ND	<1.0	ND
SB-334-PR-14A	12	14	2/14/2002	193	252	217	775	1	58J	0	<100	ND	<100	ND
SB-334-PR-14B	12	14	2/14/2002	194	213	177	818	1	56J	0	<100	ND	<100	ND
SB-334-PR-14C	12	14	2/14/2002	194	147	102	438	1	31J	0	<100	ND	<100	ND
SB-334-PR-14D	12	14	2/14/2002	192	238	203	658	1	52J	0	<100	ND	<100	ND
SB-334-PO-16A	12	14	2/14/2002	193	267	226	381	0	17J	0	<100	ND	<100	ND
SB-334-PO-16B	14	16	2/14/2002	193	121	105	242	1	<100	ND	<100	ND	<100	ND
SB-334-PO-16C	14	16	2/14/2002	194	87	73	282	1	<100	ND	<100	ND	<100	ND
SB-334-PO-16D	14	16	2/14/2002	193	154	133	281	1	12J	0	<100	ND	<100	ND
SB-334-PR-18A	16	18	2/14/2002	192	334	276	1,380	2	84J	0	<100	ND	<100	ND
SB-334-PR-18B	16	18	2/14/2002	192	308	266	1,010	1	64J	0	<100	ND	<100	ND
SB-334-PR-18C	16	18	2/14/2002	193	274	234	742	1	49J	0	<100	ND	<100	ND
SB-334-PR-18D	16	18	2/14/2002	192	174	152	560	1	35J	0	<100	ND	<100	ND
SB-334-PO-20A	18	20	2/14/2002	193	335	277	1,330	1	85J	0	<100	ND	<100	ND
SB-334-PO-20B	18	20	2/14/2002	193	352	304	1,390	1	91J	0	<100	ND	<100	ND
SB-334-PO-20C	18	20	2/14/2002	191	136	109	578	1	39J	0	<100	ND	<100	ND

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-334-PO-20D	18	20	2/14/2002	192	147	125	626	1	41J	0	<100	ND	<100	ND
SB-334-PR-22A	20	22	2/14/2002	193	74	64	1,140	5	37J	0	<100	ND	<100	ND
SB-334-PR-22B	20	22	2/14/2002	194	101	85	1,980	6	62J	0	<100	ND	<100	ND
SB-334-PR-22C	20	22	2/14/2002	192	312	251	6,400	8	207	0	<100	ND	<100	ND
SB-334-PR-22D	20	22	2/14/2002	193	407	333	7,600	7	239	0	<100	ND	<100	ND
SB-334-PO-24A	22	24	2/14/2002	192	281	239	5,810	7	175	0	<100	ND	<100	ND
SB-334-PO-24B	22	24	2/14/2002	193	262	208	5,360	8	200	0	<100	ND	<100	ND
SB-334-PO-24C	22	24	2/14/2002	193	247	197	4,260	6	169	0	<100	ND	<100	ND
SB-334-PO-24D	22	24	2/14/2002	193	327	257	5,720	7	203	0	<100	ND	<100	ND
SB-334-RINSATE	EQ		2/14/2002	NA	NA	NA		#VALUE!		ND		ND		ND
SB-339-2 (SS)	0	2	2/8/2002	195	180	179	<100	ND	<100	ND	<100	ND	<100	ND
SB-339-4	2	4	2/8/2002	192	174	174	<100	ND	<100	ND	<100	ND	<100	ND
SB-339-6	4	6	2/8/2002	193	122		<100	ND	<100	ND	<100	ND	<100	ND
SB-339-8	6	8	2/8/2002	191	151	130	4,590 S	9	880	2	<100	ND	<100	ND
SB-339-10	8	10	2/8/2002	191	123	111	3,340	8	649	1	<100	ND	<100	ND
SB-339-12	10	12	2/8/2002	193	116		3,820	#DIV/0!	672	#DIV/0!	<100	ND	<100	ND
SB-339-14	12	14	2/8/2002	194	175	155	3,040	5	1,070	2	<100	ND	<100	ND
SB-339-16	14	16	2/8/2002	193	103	91	1,360	4	732	2	<100	ND	<100	ND
SB-339-18	16	18	2/8/2002	193	153		4,900	#DIV/0!	1,020	#DIV/0!	<100	ND	<100	ND
SB-339-20	18	20	2/8/2002	193	82	73	1,800	6	544	2	<100	ND	<100	ND
SB-339-22	20	22	2/8/2002	193	98	84	3,660	11	782	2	<100	ND	<100	ND
SB-339-24	22	24	2/8/2002	194	149	131	5,760	12	1,550	3	<100	ND	<100	ND
SB-339-26	24	26	2/8/2002	195	154	129	6,440	14	1,240	3	<100	ND	<100	ND
SB-339-28	26	28	2/8/2002	193	122	98	8,790	24	1,390	4	<100	ND	<100	ND
SB-339-30	28	30	2/8/2002	193	177	153	8,060 S	14	1,330	2	<100	ND	<100	ND
SB-339-32	30	32	2/8/2002	193	162	132	53,900	112	2,820	6	<100	ND	<100	ND
SB-339-34	32	34	2/8/2002	193	100	90	47,100	133	1,220	3	<100	ND	<100	ND
SB-339-36	34	36	2/8/2002	194	172	139	60,600	121	4,850	10	28J	0	122	0
SB-339-38	36	38	2/8/2002	194	136	115	38,700	90	3,540	8	<100	ND	97J	0
SB-339-40	38	40	2/8/2002	193	174	148	40,200	73	16,400	30	<100	ND	717	1
SB-339-40-DUP	38	40	2/8/2002	193	148	131	39,100	78	16,100	32	<100	ND	698	1
SB-339-42	40	42	2/8/2002	193	159	139	49,500	94	18,100	34	<100	ND	671	1
SB-339-44	42	44	2/8/2002	194	184	139	397,000	830	6,510	14	<500	ND	140J	0

Table C-4. Steam Injection Postdemonstration Soil Sample Results (mg/Kg) (Continued)

Steam Post-Demo Sample ID	Sample Depth (ft)		Sample Date	MeOH (g)	Wet Soil Weight (g)	Dry Soil Weight (g)	TCE		<i>cis</i> -1,2-DCE		<i>trans</i> -1,2-DCE		Vinyl Chloride	
	Top Depth	Bottom Depth					Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)	Results in MeOH (µg/L)	Results in Dry Soil (mg/Kg)
SB-339-46	44	46	2/8/2002	192	108	80	3,580,000	12,129	7,900	27	<5000	ND	<5000	ND
SB-339-MB (SS)	Lab Blank		2/8/2002	193	NA	NA	<100	ND	<100	ND	<100	ND	<100	ND
SB-339-RINSATE	EQ		2/8/2002	NA	NA	NA	<1.0	ND	<1.0	ND	<1.0	ND	<1.0	ND

NA: Not available.

ND: Not detected.

MB: Method Blank.

SS: Spiked sample

DUP: Duplicate sample.

EQ: Equipment rinsate.

J: Estimated value, below reporting limit

Top Depth (ft bgs)	Bottom Depth (ft bgs)	Pre-Demo SB-31 (mg/kg)	Post-Demo SB-231 (mg/kg)	Pre-Demo SB-32 (mg/kg)	Post-Demo SB-232 (mg/kg)	Pre-Demo SB-33 (mg/kg)	Post-Demo SB-233 (mg/kg)	Pre-Demo SB-34 (mg/kg)	Post-Demo SB-234 (mg/kg)
0	2	39	ND	ND	ND	5	0	ND	ND
2	4	4	ND	ND	ND	0.39	ND	42	1
4	6	8	ND	0.43	ND	3	ND	6	0
6	8	ND	0	ND	ND	3	0	1	ND
8	10	ND	1	ND	7	ND	13	1	1
10	12	1	7	8.8	12	1.6	19	ND	ND
12	14	5	9	ND	6	ND	18	ND	0
14	16	1	1	ND	6	ND	15	ND	1
16	18	ND	1	ND	6	ND	5	1	1
18	20	ND	2	5.7	7	13	4	4	2
20	22	ND	1	84	30	46	9	9	5
22	24	ND	4	7,803	48	146	59	2.8	4
24	26	ND	7	1,684	323	153	126	7,183	7
26	28	1	11	1,650	8,083	167	338	69	35
28	30	16	19	1,541	241	475	466	217	26
30	32	106	11	2,339	1,204	2,840	9,233	122	45
32	34	77	12	5,983	560	462	1,341	46	22
34	36	54	55	3,284	607	244	1,079	225	27
36	38	140	289	9,779	408	8,852	1,624	132	38
38	40	220	434	2,465	564	3,686	69	81	243
40	42	95	378	1,318	329	310	352	27	64
42	44	72	274	1,912	321	2,306	892	598	166
44	46	320	801	9,287	312	19,075	2,152	NA	112

Figure C-1. Distribution of Pre- and Postdemonstration TCE Concentrations (mg/kg) in the Steam Injection Plot Soil

Top Depth (ft bgs)	Bottom Depth (ft bgs)	Pre-Demo SB-35 (mg/kg)	Post-Demo SB-235 (mg/kg)	Pre-Demo SB-36 (mg/kg)	Post-Demo SB-236 (mg/kg)	Pre-Demo SB-37 (mg/kg)	Post-Demo SB-237 (mg/kg)	Pre-Demo SB-38 (mg/kg)	Post-Demo SB-238 (mg/kg)
0	2	0.7	0	ND	0	0.9	ND	0.6	0
2	4	0.38	0	ND	0	ND	ND	0.6	1
4	6	0.46	0	ND	0	ND	9	0.9	17
6	8	ND	23	0.40	2	ND	2	ND	0
8	10	8.5	16	10.0	2	0.8	1	1.3	0
10	12	1.5	NA	6.9	8	3.5	1	0.47	29
12	14	0.7	NA	1.8	3	32	1	ND	25
14	16	5.8	30	0.44	2	27	1	7	31
16	18	6.3	25	8.8	8	1,061	3	14	34
18	20	32	56	11	4	65	6	66	33
20	22	47	46	10,013	6	45	9	159	30
22	24	30	97	1,166	6	83	14	4,695	11
24	26	116	120	438	6	394	13	467	14
26	28	260	117	197	13	343	99	5,228	18
28	30	4,920	167	4,306	9	3,936	83	NA	31
30	32	4,367	44	9,373	26	604	39	624	47
32	34	4,409	237	30,593	35	6,653	23	2,121	14
34	36	301	58	14,854	73	10,262	NA	525	36
36	38	394	NA	4,143	91	837	NA	337	55
38	40	432	33	1,595	108	429	29	17,976	30
41	43	4,229	47	21,402	176	12,835	40	7,046	8
43	45	8,276	49	25,433	147	12,184	2,420	24,548	7
45	46	NA	46	NA	156	NA	4,403	NA	5

Figure C-1. Distribution of Pre- and Postdemonstration TCE Concentrations (mg/kg) in the Steam Injection Plot Soil (Continued)

Top Depth (ft bgs)	Bottom Depth (ft bgs)	Pre-Demo SB-39 (mg/kg)	Pre-Demo SB-239 (mg/kg)	Post-Demo SB-339 (mg/kg)	Pre-Demo SB-40 (mg/kg)	Post-Demo SB-240 (mg/kg)	Pre-Demo SB-41 (mg/kg)	Pre-Demo SB-41B (mg/kg)	Post-Demo SB-241 (mg/kg)	Pre-Demo SB-42 (mg/kg)	Post-Demo SB-242 (mg/kg)
0	2	3	0	ND	5	ND	1	ND	ND	5	ND
2	4	1	0	ND	0.45	ND	1	ND	ND	1	ND
4	6	7	2	ND	ND	16	1	ND	15	8	6
6	8	2	7	9	ND	15	ND	ND	11	5	10
8	10	1	6	8	4	4	1	ND	12	ND	3
10	12	2	8	10	2	9	ND	ND	2	ND	ND
12	14	1	4	5	13	6	ND	ND	2	ND	ND
14	16	7	3	4	11	0	ND	ND	1	ND	ND
16	18	8	2	10	ND	1	ND	3.3	3	ND	ND
18	20	14	5	6	18	9	ND	ND	4	ND	ND
20	22	130	7	11	51	14	116	269	6	48	4
22	24	150	13	12	85	2	203	3,050	2	149	5
24	26	455	16	14	256	29	409	305	ND	209	44
26	28	356	15	24	215	55	394	245	4	163	48
28	30	331	9	14	183	81	360	260	9	323	27
30	32	240	121	112	111	41	236	314	31	175	1,654
32	34	275	191	133	ND	104	435	460	15	7,348	1,336
34	36	346	NA	121	73	220	332	546	163	1,712	712
36	38	474	NA	90	100	124	210	274	176	409	1,920
38	40	272	77	78	6	332	182	392	NA	277	73
40	42	3,649	173	94	133	278	0	13,140	NA	348	9
42	44	7,463	366	830	285	440	8,621	23,976	5,369	16,700	11,446
44	46	NA	2,997	12,129	NA	660	NA	NA	1,973	NA	6,487

NA: Not available due to poor recovery.

ND: Not detect.

Solid Horizontal Lines demarcate the Middle Fine-Grained Unit.

Figure C-1. Distribution of Pre- and Post-demonstration TCE Concentrations (mg/kg) in the Steam Injection Plot Soil (Continued)