

Table 5-1: Air Sample Results - High Vacuum Extraction System

Sample Dates	trans-1,2-Dichloroethene (ppbv)	cis-1,2-Dichloroethene (ppbv)	Trichloroethene (ppbv)	1,1,2-Trichloroethane (ppbv)	Tetrachloroethene (ppbv)	Dichlorobenzene (ppbv)	1,2-Tetrachloroethane (ppbv)	1,1,2,2-Tetrachloroethane (ppbv)	Benzene (ppbv)
26-Mar-98	860	2,300	55,000	400	2,400	1,100	25,000	220	
8-May-98	ND (1,300)	2,300	63,000	560	3,400	ND (340)	51,000	ND (340)	
12-Jun-98	810	1,800	46,000	370	2,600	ND (200)	42,000	ND (200)	
12-Aug-98	200	410	12,000	94	640	ND (62)	13,000	ND (62)	
AS-1 Array 1	1,200 ND (7,600)	1,500 5,200	46,000 340,000	NA NA	1,700 11,000	NA NA	19,000 130,000	340 NA	

Notes: All samples were analyzed by Method T0-14

Sample AS-1 was collected at the beginning of the 1996 SVE test at OUB.

Sample Array 1 was collected on July 31, 1997, while heating Array 1 for the Six-Phase Soil Heating Test.

ND () - Nondetect (detection limit)

NA - Not Reported

**TABLE 5-2: ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER SAMPLES (mg/L)**

Well ID	2/26/98	3/26/98	5/8/98	6/12/98	8/12/98	10/22/98
1,1,2,2-Tetrachloroethane						
MW-24	58	--	--	--	4.1	47
MW-23	60	--	--	17	19	18
Knockout Tank	--	87	77	57	18	--
Trichloroethene						
MW-24	8.3	--	--	--	1.9	3.7
MW-23	4.9	--	--	2.2	4.9	3.2
Knockout Tank	--	8.4	3	2.6	2.6	--
1,2-Dichloroethene (Total)						
MW-24	0.77	--	--	--	0.168	0.307
MW-23	0.46	--	--	0.193	0.195	0.208
Knockout Tank	--	0.42	0.12	ND (0.1)	0.042	--
Tetrachloroethene						
MW-24	0.32	--	--	--	0.042	0.15
MW-23	0.19	--	--	0.052	0.095	0.086
Knockout Tank	--	0.3	0.11	ND (0.1)	0.029	--
1,1,2-Trichloroethane						
MW-24	.5	--	--	--	0.028	0.15
MW-23	0.42	--	--	0.076	0.073	0.077
Knockout Tank	--	0.47	0.2	0.11	0.046	--
Benzene						
MW-24	.008	--	--	--	ND (0.1)	0.004
MW-23	ND (0.1)	--	--	0.001	0.001	0.002
Knockout Tank	--	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.001)	--
1,1,1,2-Tetrachloroethane						
MW-24	0.009	--	--	--	ND (0.1)	0.006
MW-23	ND (0.1)	--	--	0.001	0.005	0.002
Knockout Tank	--	ND (0.05)	ND (0.1)	ND (0.1)	0.003	--
1,1-Dichloroethene						
MW-24	.012	--	--	--	0.002	0.005
MW-23	ND (0.1)	--	--	ND (0.001)	0.003	0.004
Knockout Tank	--	ND (0.05)	ND (0.1)	ND (0.1)	ND (0.001)	--
Chloroform						
MW-24	.027	--	--	--	0.001	0.006
MW-23	ND (0.1)	--	--	0.003	0.002	0.004
Knockout Tank	--	ND (0.05)	ND (0.1)	ND (0.1)	0.001	--

Notes:

-- = Not Sampled

NA = Not Analyzed

ND = Analyte Not Detected (Detection Limit in Parentheses)

Groundwater Analyzed Using EPA Method 8260A (mg/L)

TABLE: 5-3: MASS OF CONTAMINANTS IN EXTRACTED GROUNDWATER

Compound	Sample Date	Concentration (mg/L)	Extracted Water (gallon)	Contaminant Mass (mg)	Contaminant Mass (pound)
1,1,2,2-tetrachloroethane					
	3/26/98	87	53,310	17,554,716	38.70
	5/8/98	77	112,020	32,647,669	71.97
	6/12/98	57	154,540	33,341,232	73.50
	8/12/98	18	197,240	13,437,961	29.63
trichloroethene					
	3/26/98	8.4	53,310	1,694,938	3.74
	5/8/98	3	112,020	1,271,987	2.80
	6/12/98	2.6	154,540	1,520,828	3.35
	8/12/98	2.6	197,240	1,941,039	4.28
1,2-dichloroethene (total)					
	3/26/98	0.42	53,310	84,343	0.19
	5/8/98	0.12	112,020	50,879	0.11
	6/12/98	ND (0.1)	154,540	-	-
	8/12/98	0.042	197,240	31,355	0.07
tetrachloroethene					
	3/26/98	0.3	53,310	60,534	0.13
	5/8/98	0.11	112,020	46,640	0.10
	6/12/98	ND (0.1)	154,540	-	-
	8/12/98	0.029	197,240	21,650	0.05
1,1,2-trichloroethane					
	3/26/98	0.47	53,310	94,836	0.21
	5/8/98	0.2	112,020	84,799	0.19
	6/12/98	0.11	154,540	64,343	0.14
	8/12/98	0.046	197,240	34,341	0.08
Benzene					
	3/26/98	ND (0.05)	53,310	-	-
	5/8/98	ND (0.1)	112,020	-	-
	6/12/98	ND (0.1)	154,540	-	-
	8/12/98	ND (0.001)	197,240	-	-
1,1,1,2-tetrachloroethane					
	3/26/98	ND (0.05)	53,310	-	-
	5/8/98	ND (0.1)	112,020	-	-
	6/12/98	ND (0.1)	154,540	-	-
	8/12/98	0.003	197,240	2,240	0.00
1,1-dichloroethene					
	3/26/98	ND (0.05)	53,310	-	-
	5/8/98	ND (0.1)	112,020	-	-
	6/12/98	ND (0.1)	154,540	-	-
	8/12/98	ND (0.001)	197,240	-	-
Chloroform					
	3/26/98	ND (0.05)	53,310	-	-
	5/8/98	ND (0.1)	112,020	-	-
	6/12/98	ND (0.1)	154,540	-	-
	8/12/98	0.001	197,240	747	0.00
Total Mass >>					229.25

Table 6-1: Array 1 - Thermocouple Boring Sample Results

Array 1 - Thermocouple Borings		Analytes Detected (mg/Kg) in Soil Samples Using EPA Method 8260A												
API Number (Sample Location)	Sample Number	Sample Depth (ft)	trans-1,2-Dichloroethene	cis-1,2-Chloroform	cis-1,2-Dichloroethene	Carbon tetrachloride	Benzene	Trichloroethene	1,1,2-Trichloroethane	Tetrachloroethene	1,1,1,2-Tetrachloroethane	Chlorobenzene	1,1,2,2-Tetra-chloroethane	Hexachloro- butadiene
AP-3936 (T-A1)	97PRDA001SL	5-6.5	0.11	0.43	ND (0.08)	ND (0.08)	ND (0.16)	7.1	ND (0.08)	2.3	ND (0.08)	ND (0.08)	0.35	ND (0.25)
	97PRDA002SL	9.5-11	ND (0.06)	0.06	ND (0.06)	ND (0.06)	ND (0.12)	2.2	ND (0.06)	0.55	ND (0.06)	ND (0.06)	0.5	ND (0.19)
	97PRDA003SL	15-16.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	2.0	ND (0.05)	0.1	ND (0.05)	ND (0.05)	0.52	ND (0.16)
	97PRDA004SL	20-21.5	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	3.8	ND (0.06)	0.86	ND (0.06)	ND (0.06)	72 D7	0.19
	97PRDA005SL	25-26.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	3.0	ND (0.05)	0.35	ND (0.05)	ND (0.05)	200 D7	ND (0.16)
	97PRDA006SL	30-31.5	ND (0.05)	ND (0.05)	0.07	ND (0.05)	ND (0.11)	2.5	ND (0.05)	0.08	ND (0.05)	ND (0.05)	2.6	ND (0.16)
	97PRDA007SL	35-36.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	0.91	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	4	ND (0.16)
AP-3937 (T-A2)	97PRDA008SL	5-6.5	0.14	0.14	0.12	ND (0.07)	ND (0.13)	6.6	ND (0.07)	0.67	ND (0.07)	ND (0.07)	0.56	0.20
	97PRDA009SL	10-11.5	0.1	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	1.3	ND (0.05)	0.05	ND (0.05)	ND (0.05)	0.12	ND (0.16)
	97PRDA010SL	15-16.5	0.06	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	7.1	ND (0.05)	0.85	ND (0.05)	ND (0.05)	11	ND (0.16)
	97PRDA011SL	20-21.5	0.09	ND (0.06)	0.2	ND (0.06)	0.57	110 D7	0.40	8.9	0.29	0.06	1000 D7	ND (0.17)
	97PRDA012SL	25.5-27	ND (0.05)	ND (0.05)	0.06	ND (0.05)	ND (0.11)	5.5	ND (0.05)	0.48	ND (0.05)	ND (0.05)	32 D4	ND (0.16)
	97PRDA013SL	30-31.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	1.3	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.41	ND (0.16)
	97PRDA014SL	30-31.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	1.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.46	ND (0.16)
AP-3938 (T-A3)	97PRDA015SL	35-36.5	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	1.6	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	0.41	ND (0.17)
	97PRDA016SL	4.5-6	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.14)	2.5	ND (0.07)	0.26	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.20)
	97PRDA017SL	9.5-11	0.16	ND (0.06)	0.07	ND (0.06)	ND (0.11)	2.2	ND (0.06)	0.08	ND (0.06)	ND (0.06)	0.21	ND (0.17)
	97PRDA018SL	9.5-11	0.14	ND (0.05)	0.06	ND (0.05)	ND (0.10)	2.1	ND (0.05)	0.06	ND (0.05)	ND (0.05)	0.13	ND (0.16)
	97PRDA019SL	14.5-16	0.08	ND (0.06)	0.06	ND (0.06)	ND (0.12)	9.2	ND (0.06)	0.64	ND (0.06)	ND (0.06)	36 D5	ND (0.17)
	97PRDA020SL	19.5-21	4.8	2.1	13 D6	ND (0.06)	2.0	39 D6	0.34	3.3	ND (0.06)	ND (0.06)	190 D6	0.19
	97PRDA021SL	24.5-26	0.37	0.07	0.77	ND (0.06)	0.13	11.0	0.09	1.2	ND (0.06)	ND (0.06)	160 D7	ND (0.17)
AP-3941 (T-A4)	97PRDA022SL	29.5-31	4.0	0.34	9.6	ND (0.06)	0.77	36 D6	0.27	2.4	ND (0.06)	ND (0.06)	130 D6	ND (0.17)
	97PRDA023SL	4.5-6	0.13	ND (0.06)	0.19	ND (0.06)	ND (0.12)	3.2	ND (0.06)	0.23	ND (0.06)	ND (0.06)	0.26	ND (0.18)
	97PRDA024SL	9-11.5	0.33	ND (0.05)	0.25	ND (0.05)	ND (0.11)	4.8	ND (0.05)	0.2	ND (0.05)	ND (0.05)	0.70	ND (0.16)
	97PRDA025SL	14.5-16	0.23	ND (0.06)	0.3	ND (0.06)	ND (0.12)	4.0	ND (0.06)	0.24	ND (0.06)	ND (0.06)	4.9	ND (0.17)
	97PRDA026SL	19.5-21	0.37	ND (0.06)	0.63	ND (0.06)	ND (0.11)	11.0	0.06	0.98	ND (0.06)	ND (0.06)	26	ND (0.17)
	97PRDA027SL	24.5-26	0.85	0.28	2.9	5.4	ND (0.11)	300 D7	0.95	29 D7	0.38	ND (0.06)	350 D7	1.8
	97PRDA028SL	24.5-26	0.24	0.07	0.73	0.96	ND (0.11)	70 D6	0.30	7.6	0.1	ND (0.05)	110 D6	0.75
Average Concentration		0.46	0.16	1.06	0.28	0.22	23.26	0.13	2.20	0.08	0.06	83.33	0.11	
Total VOC Concentration														135.05

NOTES: D(4,5,6,7) - Diluted sample
 ND() - Not detected (detection limit)

Table 6-2: Array 2 - Thermocouple Boring Sample Results

Array 2 - Thermocouple Borings			Analytes Detected (mg/Kg) in Soil Samples Using EPA Method 8260A											
API Number (Sample Location)	Sample Number	Sample Depth (ft)	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	Carbon tetrachloride	Benzene	Trichloroethene	1,1,2-Trichloroethane	Tetrachloroethene	1,1,1,2-Tetrachloroethane	Chlorobenzene	1,1,2,2-Tetrachloroethane	Hexachlorobutadiene	
AP-3951 (T-A5)	97PRDA101SL	3.5-5.5	1.50	0.13	2.20	ND (0.05)	ND (0.11)	69 D5	0.12	2.80	ND (0.05)	ND (0.05)	0.35	ND (0.16)
	97PRDA102SL	10-12	0.28	ND (0.06)	0.37	ND (0.06)	ND (0.11)	3.30	ND (0.06)	0.08	ND (0.06)	ND (0.06)	0.35	ND (0.17)
	97PRDA103SL	15-17	0.13	ND (0.05)	0.14	ND (0.05)	ND (0.10)	2.30	ND (0.05)	0.08	ND (0.05)	ND (0.05)	0.43	ND (0.16)
	97PRDA104SL	15-17	0.16	ND (0.05)	0.20	ND (0.05)	ND (0.11)	3.10	ND (0.05)	0.10	ND (0.05)	ND (0.05)	0.77	ND (0.16)
	97PRDA106SL	20-22	0.06	ND (0.06)	0.11	ND (0.06)	ND (0.11)	3.70	ND (0.06)	0.17	ND (0.06)	ND (0.06)	3.50	ND (0.17)
	97PRDA107SL	25-27	0.54	0.23	2.50	1.10	1.80	270 D7	0.47	8.10	0.11	ND (0.06)	110 D7	ND (0.19)
	97PRDA108SL	29-31	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	1.90	ND (0.05)	0.41	ND (0.05)	ND (0.05)	0.36	ND (0.16)
	97PRDA109SL	34-36	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	2.00	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	0.35	ND (0.17)
	97PRDA110SL	38-40	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	3.10	ND (0.06)	0.07	ND (0.06)	ND (0.06)	0.67	ND (0.17)
AP-3952 T-A6	97PRDA111SL	5-7	0.23	ND (0.06)	0.32	ND (0.06)	ND (0.11)	6.30	ND (0.06)	0.77	ND (0.06)	ND (0.06)	0.33	ND (0.17)
	97PRDA112SL	10-12	0.49	ND (0.05)	0.47	ND (0.06)	ND (0.11)	1.50	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.11	ND (0.16)
	97PRDA113SL	15-17	0.26	ND (0.06)	0.25	ND (0.06)	ND (0.11)	14 D4	ND (0.06)	1.10	ND (0.06)	ND (0.06)	6.1 D4	ND (0.17)
	97PRDA114SL	20-22	0.06	ND (0.05)	0.06	ND (0.05)	ND (0.11)	3.20	ND (0.05)	0.14	ND (0.05)	ND (0.05)	1.80	ND (0.16)
	97PRDA115SL	20-22	0.06	ND (0.05)	0.06	ND (0.05)	ND (0.11)	4.00	ND (0.05)	0.27	ND (0.05)	ND (0.05)	4.20	ND (0.16)
	97PRDA117SL	25-27	0.09	ND (0.06)	0.13	ND (0.06)	ND (0.11)	31 D5	0.08	1.80	ND (0.06)	ND (0.06)	34 D5	ND (0.17)
	97PRDA118SL	25-27	0.08	ND (0.06)	0.12	ND (0.06)	ND (0.11)	26 D5	0.08	1.50	ND (0.06)	ND (0.06)	30 D5	ND (0.17)
	97PRDA120SL	30-32	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	1.70	ND (0.06)	0.42	ND (0.06)	ND (0.06)	0.23	ND (0.17)
	97PRDA121SL	35-37	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	1.90	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	1.50	ND (0.17)
Average Concentration			0.24	0.07	0.40	0.11	0.20	24.89	0.09	1.00	0.06	0.06	10.67	0.00
Total VOC Concentration														37.78

NOTES: D(4,5,6,7) - Diluted sample
ND() - Analyte Not Detected (detection limit)

Table 6-3: Array 3 - Thermocouple Boring Sample Results

Array 3 - Thermocouple Borings			Analytes Detected (mg/Kg) in Soil Samples Using EPA Method 8260A												
API Number (Sample Location)	Sample Number	Sample Depth	trans-1,2-Dichloro-ethene	cis-1,2-Dichloro-ethene	Carbon tetrachloride	Benzene	Trichloro-ethene	1,1,2-Trichloro-ethane	Tetrachloro-ethene	1,1,1,2-Tetrachloro-ethane	Chlorobenzene	1,1,2,2-Tetrachloro-ethane	Hexachlorobutadiene		
AP-3968 (T-A7)	97PRDA500SL	15-16.5	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	2	ND (0.06)	0.06	ND (0.06)	ND (0.06)	4.00	ND (0.17)	
	97PRDA501SL	20-21.5	ND (0.06)	ND (0.06)	0.21	ND (0.06)	ND (0.11)	25 D4	0.13	0.60	ND (0.06)	ND (0.06)	51 D4	ND (0.17)	
	97PRDA502SL	20-21.5	0.13	ND (0.06)	0.23	ND (0.06)	ND (0.11)	17 D4	0.10	0.73	ND (0.06)	ND (0.06)	40 D4	ND (0.17)	
	97PRDA503SL	25-26.5	0.29	ND (0.06)	0.34	ND (0.06)	ND (0.11)	17 D4	ND (0.06)	0.77	ND (0.06)	ND (0.06)	34 D4	ND (0.17)	
	97PRDA504SL	30-31.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.11)	1.30	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.67	ND (0.16)	
	97PRDA507SL	35-36.5	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	0.11	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.17)	
AP-3969 (T-A8)	97PRDA509SL	15-16.5	1.00	ND (0.05)	1.20	ND (0.05)	ND (0.11)	5.90	ND (0.05)	0.57	ND (0.05)	ND (0.05)	0.31	ND (0.16)	
	97PRDA510SL	20-21.5	0.14	ND (0.05)	0.20	ND (0.05)	ND (0.11)	6.60	ND (0.05)	0.47	ND (0.05)	ND (0.05)	18 D4	ND (0.16)	
	97PRDA511SL	20-21.5	ND (0.05)	ND (0.05)	0.06	ND (0.05)	ND (0.11)	2.50	ND (0.05)	0.32	ND (0.05)	ND (0.05)	15 D4	ND (0.16)	
	97PRDA512SL	25-26.5	0.08	ND (0.06)	0.13	ND (0.06)	ND (0.11)	2.50	ND (0.06)	0.15	ND (0.06)	ND (0.06)	6.90	ND (0.17)	
	97PRDA515SL	30-31.5	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	1.90	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	0.11	ND (0.17)	
	97PRDA516SL	35-36.5	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.11)	1.40	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	0.65	ND (0.17)	
Average Concentration			0.17	0.06	0.22	0.06	0.11	6.91	0.07	0.33	0.06	0.06	14.23	0.17	
Total VOC Concentration															
22.42															

NOTES: D(4,5,6,7) - Diluted sample

ND() - Analyte Not Detected (detection limit)

Table 6-4: Array 1 - Confirmation Soil Sample Comparison

Array 1 - Confirmation Soil Samples			Analytes Detected (mg/Kg) in Soil Samples Using EPA 8260A								
API Number (Sample Location)	Sample Depth (ft)		Trichloroethene			Tetrachloroethene			1,1,2,2-Tetrachloroethane		
			Before	After	% Removed	Before	After	% Removed	Before	After	% Removed
AP-3936 (T-A1)	5-6.5		7.1	0.65	91	2.3	0.07	97	0.35	0.25	29
	9.5-11		2.2	0.78	65	0.55	0.10	82	0.5	0.25	50
	15-16.5		2.0	0.58	71	0.1	ND (0.05)	50	0.52	ND (0.05)	90
	20-21.5		3.8	13 D4	-74	0.86	0.49	43	72 D7	26 D4	64
	25-26.5		3.0	1.3	57	0.35	ND (0.05)	86	200 D7	0.91	100
	30-31.5		2.5	0.96	62	0.08	ND (0.06)	38	2.6	0.17	93
	35-36.5		0.91	0.46	49	ND (0.05)	ND (0.05)	-	4	ND (0.05)	99
AP-3937 (T-A2)	5-6.5		6.6	0.20	97	0.67	ND (0.07)	93	0.56	0.08	86
	10-11.5		1.3	0.51	61	0.05	ND (0.05)	0	0.12	ND (0.05)	58
	15-16.5		7.1	0.28	96	0.85	ND (0.05)	94	11	ND (0.05)	100
	20-21.5		110 D7	1.10	99	8.9	ND (0.06)	99	1000 D7	ND (0.06)	100
	25.5-27		5.5	0.86	84	0.48	ND (0.06)	90	32 D7	ND (0.06)	100
	30-31.5		1.3	0.48	63	ND (0.05)	ND (0.05)	-	0.41	ND (0.05)	88
	30-31.5		1.4	0.26	81	ND (0.05)	ND (0.05)	-	0.46	ND (0.05)	89
AP-3938 (T-A3)	4.5-6		2.5	0.07	97	0.26	ND (0.06)	81	ND (0.07)	ND (0.06)	-
	9.5-11		2.2	0.27	88	0.08	ND (0.06)	38	0.21	0.10	52
	9.5-11		2.1	0.80	62	0.06	ND (0.05)	17	0.13	0.11	15
	14.5-16		9.2	0.29	97	0.64	ND (0.05)	92	36 D5	ND (0.05)	100
	19.5-21		39 D6	6.10	84	3.3	ND (0.05)	98	190 D6	0.23	100
	24.5-26		11	1.5	86	1.2	ND (0.06)	96	160 D7	1.1	99
	29.5-31		36 D6	0.56	98	2.4	ND (0.06)	98	130 D6	0.13	100
AP-3941 (T-A4)	4.5-6		3.2	0.66	79	0.23	ND (0.06)	78	0.26	ND (0.06)	81
	9-11.5		4.8	1.4	71	0.2	0.05	75	0.70	0.15	79
	14.5-16		4.0	0.85	79	0.24	ND (0.06)	79	4.9	0.6	88
	19.5-21		11	5.90	46	0.98	0.20	80	26	0.13	100
	24.5-26		300 D7	3.30	99	29 D7	0.16	-	350 D7	0.66	-
	24.5-26		70 D6	NS	-	7.6	NS	-	110 D6	NS	-
Average			21.53	1.60	93	2.00	0.08	96	82.34	1.17	99

NOTES: D(4,5,6,7) - Diluted sample

ND() - Analyte Not Detected (detection limit)

NS - Not sampled

Table 6-5: Array 2 - Confirmation Soil Sample Comparison

Array 2 - Confirmation Soil Samples			Analytes Detected (mg/Kg) in Soil Samples Using EPA Method 8260A								
API Number (Sample)	Sample Depth (ft)	Trichloroethene			Tetrachloroethene			1,1,2,2-Tetrachloroethane			
		Before	After	% Removed	Before	After	% Removed	Before	After	% Removed	
AP-3951 (T-A5)	3.5-5.5	69 D5	0.87	99	2.80	ND (0.06)	98	0.35	0.08	77	
	10-12	3.30	0.58	82	0.08	ND (0.05)	38	0.35	ND (0.05)	86	
	15-17	2.30	0.18	92	0.08	ND (0.05)	38	0.43	ND (0.05)	88	
	20-22	3.70	0.06	98	0.17	ND (0.05)	71	3.50	ND (0.05)	99	
	25-27	270 D7	0.09	100	8.10	ND (0.05)	99	110 D7	ND (0.05)	100	
	29-31	1.90	ND (0.06)	97	0.41	ND (0.06)	85	0.36	ND (0.06)	83	
	34-36	2.00	NS	-	ND (0.06)	NS	-	0.35	NS	-	
	38-40	3.10	NS	-	0.07	NS	-	0.67	NS	-	
AP-3952 (T-A6)	5-7	6.30	1.9	70	0.77	0.13	83	0.33	0.12	64	
	10-12	1.50	0.57	62	ND (0.05)	ND (0.05)	-	0.11	ND (0.05)	55	
	15-17	14 D4	0.68	95	1.10	ND (0.05)	95	6.1 D5	ND (0.05)	99	
	20-22	3.20	2.1	34	0.14	0.16	-14	1.80	ND (0.05)	97	
	25-27	31 D5	1.9	94	1.80	0.17	91	34 D5	ND (0.05)	100	
	30-32	1.70	0.65	62	0.42	ND (0.06)	86	0.23	ND (0.06)	74	
	35-37	1.90	0.89	53	ND (0.06)	ND (0.06)	-	1.50	ND (0.06)	96	
Average		31.52	0.81	97	1.23	0.08	94	12.24	0.06	100	

Notes: D(4,5,6,7) - Diluted sample

ND() - Analyte Not detected (detection limit)

NS - Not sampled

Table 6-6: Array 3 - Confirmation Soil Sample Comparison

Array 3 - Confirmation Soil Samples			Analytes Detected (mg/Kg) in Soil Samples Using EPA Method 8260A								
API Number (Sample Location)	Sample Depth (ft)		Trichloroethene			Tetrachloroethene			1,1,2,2-Tetrachloroethane		
			Before	After	% Removed	Before	After	% Removed	Before	After	% Removed
AP-3968 (T-B5)	15-16.5		1.7	NS	-	0.06	NS	-	4.0	NS	-
	20-21.5	25 D4	0.32	99		0.60	ND (0.06)	90	51	ND (0.06)	100
	25-26.5	17 D4	1.7	90		0.77	0.06	92	34	ND (0.05)	100
	30-31.5	1.3	0.92	29		ND (0.05)	ND (0.05)	0	0.67	ND (0.05)	93
	35-36.5	0.11	0.94	-755		ND (0.06)	ND (0.05)	0	ND (0.06)	ND (0.05)	0
AP-3969 (T-B6)	15-16.5	5.9	15 D5	-154		0.57	3.8	-567	0.31	48 D5	-15384
	20-21.5	6.6	3.7	44		0.47	0.53	-13	18 D4	12 D5	33
	25-26.5	2.5	NS	-		0.15	NS	-	6.9	NS	-
	30-31.5	1.9	1.8	5		ND (0.06)	0.15	-150	0.11	1.9	-1627
	35-36.5	1.4	1.3	7		ND (0.06)	ND (0.05)	0	0.65	0.07	89
AP-3970 (A3-C1)	(15-16.5)	NS	1.2	-		NS	0.17	-	NS	0.79	-
	(20-21.5)	NS	3.4	-		NS	0.53	-	NS	0.19	-
	(25-26.5)	NS	22 D5	-		NS	3.20	-	NS	57 D5	-
	(35-36.5)	NS	1.1	-		NS	ND (0.05)	-	NS	0.32	-
	(35-36.5)	NS	2.4	-		NS	ND (0.05)	-	NS	0.10	-
AP-3971 (A3-C2)	(15-16.5)	NS	0.80	-		NS	0.06	-	NS	0.12	-
	(20-21.5)	NS	2.5	-		NS	0.13	-	NS	ND (0.05)	-
	(25-26.5)	NS	2.1	-		NS	0.12	-	NS	ND (0.05)	-
Average			7.40	0.49	93	0.33	0.03	92	13.10	0.03	100

NOTES: D(4,5,6,7) - Diluted sample

ND() - Not detected (detection limit)

NS - Not sampled

Averages do not include the confirmation borings A3-C1 and A3-C2, since no initial data exists for comparison.

Table 6-7: Treatment Summary

	Amount of Soil Treated (tons)	Average Contaminant Mass in Soil		Amount of Offgas Generated (cubic feet)	Estimated Contaminant Mass in Off-Gas Post-treatment (pounds)	Amount of Condensate Generated (gallons)	Estimated Contaminant Mass in Condensate Post-treatment (pounds)
		Pre-treatment (pounds)	Post-treatment (pounds)				
ARRAY 1	2,300	506	6	6,684,000	386	24,000	7.6
ARRAY 2	2,250	211	4.4	7,389,000	217	34,500	2.7
ARRAY 3	5,000	216	120	10,365,000	138	48,600	4.9

Trichloroethene, Tetrachloroethene, and 1,1,2,2-Tetrachloroethane were used in calculating mass removal rates