TABLE 3-4
Intermediate Soil Boring - Groundwater Samples
Velsicol Chemical Site - Source Migration Investigation

Field Sample Location:		SBI-01	SBI-02	SBI-02	SBI-03	SBI-03	SBI-04	SBI-04	SBI-05	SBI-05B	SBI-06	SBI-07	SBI-07	SBI-07	SBI-08	MW-17D2
Field Sample Identification:		05CB03-11	05CB03-07	05CB03-08	05CB03-05	05CB03-45	05BB03-04	05CB03-30	05CB03-02	05CB25-20	05CB25-16	05CB10-19	05CB25-18	05CB25-28	05CB25-21	05CB10-18
Sample Interval:		39'-43'	45'-50'	45'-50'	33'-35'	51.3'-56.3'	24'-28'	67'-72'	26'	65'-70'	60.5'-65.5'	30'	39.5'-44.5'	56'-61'	62'-67'	30'
Matrix:		Water	Water	Water, Dup	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Collection Date:		2/6/2005	2/3/2005	2/3/2005	2/1/2005	2/18/2005	1/25/2005	2/16/2005	1/23/2005	3/16/2005	3/5/2005	1/10/2005	3/7/2005	3/28/2005	3/17/2005	1/7/2005
Metals																
ALUMINUM	µg/L	2,060 J	213 J	630 J	5,520 J	150 UJ	387 J	992	14,200 J	12,100	1,950	722 J	1,680 J	300 U	642	28,500
ANTIMONY	µg/L	2.3 UJ	2.3 UJ	2.3 UJ	46 R*	23 UJ	46 J	2.4 U	46 R*	115 U	23 U	2.3 U	230 U	46 U	2.3 U	11.5 UJ
ARSENIC	µg/L	18 R*	9 R*	9 R*	50.6 J	11.3 J	41 J	1.36 J	36 R*	6.14 J	20.8 J	10.5 J	40.2 J	17 J	6.66	22.9 J
BARIUM	µg/L	9,560 J	3,080 J	2,970 J	4,200 J	7,680 J	396 J	85.6 J	2,200 J	5,010	3,960	406 J	29,900	15,700	953	247 J
BERYLLIUM	µg/L	0.2 R	0.2 UJ	0.2 UJ	8.73 J	3.06 UJ	3.6 J	0.255 U	10 J	24 J	5.48 J	0.459 J	41.6 J	7.93 J	0.485 U	3.71 J
CADMIUM	µg/L	12.3 J	9.09 J	7.85 J	7 R*	18.9 J	3.5 R*	0.35 U	7 R*	17.5 U	31.1	3.5 R*	58.3 J	7 U	0.35 U	1.75 U
CALCIUM	µg/L	2,090,000 J	1,070,000 J	1,060,000 J	2,980,000 J	2,110,000 J	1,250,000 J	73,000	3,460,000 J	7,490,000	2,290,000	1,650,000 J	12,900,000	10,400,000 J	574,000 J	625,000
CHROMIUM, TOTAL	µg/L	4.87 J	5.37 J	6.92 J	26 R*	13 UJ	13 R*	4.1	33.3 J	65 U	13 U	4.13 J	130 U	26 U	2.59	59.5 J
COBALT	µg/L	0.76 R	0.76 UJ	0.76 UJ	15.2 R*	7.6 UJ	7.6 R*	0.76 U	20.7 J	38 U	7.6 U	0.76 U	76 U	15.2 U	0.76 U	23.1
COPPER	µg/L	2.85 J	8.91 J	9.65 J	31.4 J	6.2 UJ	13.2 J	1.75 J	61.7 J	31 U	24.6 J	5.99 J	62 U	25.9 J	3.02 J	46.2 J
CYANIDE	µg/L	NR	NR	NR	NR	5.44 U	NR	3.7 U	NR	3.7 U	28.1 J	NR	3.7 U	3.7 U	3.7 U	NR
IRON	µg/L	60,600 J	18,900 J	19,800 J	14,800 J	8,920 J	9,910 J	2,190	39,800 J	39,100	8,530	5,780 J	920 U	184 U	1,960	62,000
LEAD	µg/L	23.6 J	11 R*	11 R*	44 R*	22 UJ	22 R*	2.2 U	59.9 J	110 U	22 U	22 R*	220 U	110 UJ	11 UJ	30 J
MAGNESIUM	µg/L	167,000 J	164,000 J	158,000 J	827,000 J	479,000 J	238,000 J	23,800	593,000 J	919,000	471,000	112,000 J	774,000	383,000	150,000	170,000
MANGANESE	µg/L	348 J	343 J	340 J	1,020 J	824 J	336 J	79.8 J	2,270 J	2,190	519	408 J	483	55.2	213	833
MERCURY	µg/L	0.025 U	0.297 J	0.025 UJ	0.0356 J	0.025 U	0.0888 J	0.025 U	0.101 J	0.025 U	0.025 U	0.025 UJ	0.025 U	0.58	0.0322 J	0.086 J
NICKEL	µg/L	22.7 J	10.5 J	12.6 J	38.4 J	17 UJ	25.2 J	3.13 J	522 J	276	29.8 J	17 R*	170 U	496 J	14.5 J	430
POTASSIUM	µg/L	72,300 J	32,400 J	31,900 J	13,800 J	15,400 J	6,620 J	1,920	56,500 J	20,800 J	18,500	278,000 J	91,700	128,000	6,580	20,500
SELENIUM	µg/L	26 R*	76.9 J	60.8 J	52 UJ	45.8 J	26.2 J	2.6 U	104 J	130 U	29.9 J	38.4 J	260 U	130 UJ	13 UJ	17.5 J
SILICA	mg/L	26.7 J	NR	NR	25 J	13.8 J	25.5 J	41.5 J	877 J	57.8 J	19.6 J	25.9 J	8.88 J	5.52 J	15 J	248 J
SILVER	µg/L	1.83 J	1.14 J	0.895 J	13 R*	6.5 UJ	7.41 J	0.65 U	13 R*	32.5 U	6.5 U	2.34 J	65 U	13 U	0.65 U	0.65 U
SODIUM	µg/L	702,000 J	601,000 J	597,000 J	1,910,000 J	1,080,000 J	1,250,000 J	38,800	1,470,000 J	3,400,000	694,000	942,000 J	3,370,000	3,180,000	202,000	518,000
THALLIUM	µg/L	119 J	29.8 J	40.6 J	84 UJ	42 UJ	42 R*	4.2 U	84 R*	416	83.4	42 R*	420 U	210 UJ	21 UJ	21 U
VANADIUM	µg/L	4.81 J	1.1 UJ	1.52 J	29.5 J	11 UJ	11 R*	3.12	63.3 J	55 U	11 U	1.66 J	110 U	22 U	1.15 J	96.5
ZINC	µg/L	9.4 UJ	257 J	260 J	18.8 R*	9.4 UJ	9.4 UJ	6.83 U	18.8 UJ	47 U	9.4 U	9.4 U	94 U	18.8 U	1.43 J	179
Pesticides/PBB/HBB																
HEXABROMOBENZENE	µg/L	0.1 UJ	0.1 UJ	0.11 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
HEXABROMOBIPHENYL	µg/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
O,P'-DDD	µg/L	0.1 UJ	0.1 UJ	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
O,P'-DDE	µg/L	0.1 UJ	0.1 UJ	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
O,P'-DDT	µg/L	0.1 UJ	0.1 U	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
P,P'-DDD	µg/L	0.1 UJ	0.1 U	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
P,P'-DDE	µg/L	0.1 UJ	0.1 U	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
P,P'-DDT	µg/L	0.1 UJ	0.059 J	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.06 J	0.1 U	0.1 U	0.1 U	0.1 U	0.039 U	0.1 U	0.1 U
Semivolatile Organic Compounds																
2,4,5-TRICHLOROPHENOL	µg/L	25.2 UJ	26.3 UJ	26.3 U	27.8 UJ	25 U	25.2 U	25 U	25 U	26.3 UJ	25.5 UJ	25.2 U	25.5 UJ	27.2 UJ	26.3 UJ	25 U
2,4,6-TRICHLOROPHENOL	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
2,4-DICHLOROPHENOL	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
2,4-DIMETHYLPHENOL	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 UJ	10 U	10 U	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
2,4-DINITROPHENOL	µg/L	25.2 UJ	26.3 UJ	26.3 UJ	27.8 UJ	25 U	25.2 UJ	25 U	25 UJ	26.3 UJ	25.5 UJ	25.2 UJ	25.5 UJ	27.2 UJ	26.3 UJ	25 UJ
2,4-DINITROTOLUENE	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 U	10 U	10 U	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
2,6-DINITROTOLUENE	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 U	10 U	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 U	10 U
2-CHLORONAPHTHALENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 U
2-CHLOROPHENOL	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
2-METHYLNAPHTHALENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
2-METHYLPHENOL (O-CRESOL)	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
2-NITROANILINE	µg/L	25.2 UJ	26.3 UJ	26.3 UJ	27.8 UJ	25 UJ	25.2 UJ	25 UJ	25 UJ	26.3 UJ	25.5 UJ	25.2 U	25.5 UJ	27.2 UJ	26.3 UJ	25 U
2-NITROPHENOL	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
3,3'-DICHLOROBENZIDINE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
3-NITROANILINE	µg/L	25.2 UJ	26.3 UJ	26.3 U	27.8 UJ	25 U	25.2 UJ	25 U	25 UJ	26.3 UJ	25.5 UJ	25.2 U	25.5 UJ	27.2 UJ	26.3 UJ	25 U
4,6-DINITRO-2-METHYLPHENOL	µg/L	25.2 UJ	26.3 UJ	26.3 UJ	27.8 UJ	25 U	25.2 UJ	25 U	25 UJ	26.3 UJ	25.5 UJ	25.2 UJ	25.5 UJ	27.2 U	26.3 UJ	25 UJ
4-BROMOPHENYL PHENYL ETHER	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
4-CHLORO-3-METHYLPHENOL	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 U
4-CHLOROANILINE	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 U	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
4-CHLOROPHENYL PHENYL ETHER	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
4-METHYLPHENOL (P-CRESOL)	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
4-NITROANILINE	µg/L	25.2 UJ	26.3 UJ	26.3 U	27.8 UJ	25 UJ	25.2 UJ	25 UJ	25 U	26.3 UJ	25.5 UJ	25.2 U	25.5 UJ	27.2 UJ	26.3 UJ	25 U
4-NITROPHENOL	µg/L	25.2 UJ	26.3 UJ	26.3 UJ	27.8 UJ	25 UJ	25.2 UJ	25 UJ	25 UJ	26.3 UJ	25.5 UJ	25.2 UJ	25.5 UJ	27.2 UJ	26.3 UJ	25 UJ
ACENAPHTHENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 U	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
ACENAPHTHYLENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 U	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
ACETOPHENONE	µg/L	10.1 U	10.5 U	10.5 U	11.1 UJ	10 UJ	10.1 U	10 UJ	10 U	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
ANTHRACENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 U	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
BENZALDEHYDE	µg/L	10.1 U	10.5 U	10.5 U	11.1 UJ	10 UJ	10.1 U	10 UJ	10 U	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
BENZO(A)ANTHRACENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 U	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
BENZO(A)PYRENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 U	10 U	10 U	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
BENZO(B)FLUORANTHENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 U	10 U	10 U	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
BENZO(G,H,I)PERYLENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 U	10 U
BENZO(K)FLUORANTHENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 U	10 U	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 U	10 U
BENZYL BUTYL PHTHALATE	µg/L	10.1 UJ	10.5 U	10.5 U	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 U	10 U
BIPHENYL (DIPHENYL)	µg/L	10.1 U	10.5 U	10.5 U	11.1 UJ	10 UJ	10.1 U	10 UJ	10 U	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
BIS(2-CHLOROETHOXY) METHANE	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 U	10.5 UJ	10 U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 U
BIS(2-CHLOROISOPROPYL) ETHER	µg/L	10.1 UJ	10.5 U	10.5 U	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
BIS(2-ETHYLHEXYL) PHTHALATE	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 U	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	79.8
CAPROLACTAM	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
CARBAZOLE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
CHRYSENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 U	10 U	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 U	10 U
DIBENZ(A,H)ANTHRACENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 UJ	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 U	10 UJ
DIBENZOFURAN	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
DIETHYL PHTHALATE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
DIMETHYL PHTHALATE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
DI-N-BUTYL PHTHALATE	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 UJ	10.1 U	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
DI-N-OCTYLPHTHALATE	µg/L	10.1 UJ	3.6 J	3.8 J	11.1 UJ	10 U	10.1 U	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
FLUORANTHENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 U	10 UJ	10 U	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
FLUORENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 U	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
HEXACHLOROBENZENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 U	10.5 UJ	10 U
HEXACHLOROBUTADIENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 U

QUALIFIER KEY: " " - Analyte found; "U" - Not detected; "J" - Estimated Result; "UJ" - Not detected, estimated; "R" - Rejected; "NR" - Analysis not requested; "R" - Rejected, qualifier in review*

TABLE 3-4
Intermediate Soil Boring - Groundwater Samples
Velsicol Chemical Site - Source Migration Investigation

Field Sample Location:		SBI-01	SBI-02	SBI-02	SBI-03	SBI-03	SBI-04	SBI-04	SBI-05	SBI-05B	SBI-06	SBI-07	SBI-07	SBI-07	SBI-08	MW-17D2
Field Sample Identification:		05CB03-11	05CB03-07	05CB03-08	05CB03-05	05CB03-45	05BB03-04	05CB03-30	05CB03-02	05CB25-20	05CB25-16	05CB10-19	05CB25-18	05CB25-28	05CB25-21	05CB10-18
Sample Interval:		39'-43'	45'-50'	45'-50'	33'-35'	51.3'-56.3'	24'-28'	67'-72'	26'	65'-70'	60.5'-65.5'	30'	39.5'-44.5'	56'-61'	62'-67'	30'
Matrix:		Water	Water	Water, Dup	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Collection Date:		2/6/2005	2/3/2005	2/3/2005	2/1/2005	2/18/2005	1/25/2005	2/16/2005	1/23/2005	3/16/2005	3/5/2005	1/10/2005	3/7/2005	3/28/2005	3/17/2005	1/7/2005
HEXACHLOROCYCLOPENTADIENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
HEXACHLOROETHANE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
INDENO(1,2,3-C,D)PYRENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 U	10 UJ	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 U	10.5 U	10 UJ
ISOPHORONE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
NAPHTHALENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
NITROBENZENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
N-NITROSODI-N-PROPYLAMINE	µg/L	10.1 UJ	10.5 UJ	10.5 U	11.1 UJ	10 U	10.1 UJ	10 U	10 U	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
N-NITROSODIPHENYLAMINE	µg/L	10.1 UJ	10.5 U	10.5 U	11.1 U	10 U	10.1 U	10 U	10 UJ	10.5 U	10.2 U	10.1 U	10.2 U	10.9 UJ	10.5 U	10 U
PENTACHLOROPHENOL	µg/L	25.2 UJ	26.3 UJ	26.3 UJ	27.8 UJ	25 U	25.2 UJ	25 UJ	25 UJ	26.3 UJ	25.5 UJ	25.2 U	25.5 UJ	27.2 U	26.3 UJ	25 UJ
PHENANTHRENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 UJ	10.1 U	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 UJ	10 U
PHENOL	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 UJ	10 UJ	10.5 UJ	10.2 UJ	10.1 UJ	10.2 UJ	10.9 UJ	10.5 UJ	10 UJ
PYRENE	µg/L	10.1 UJ	10.5 UJ	10.5 UJ	11.1 UJ	10 U	10.1 UJ	10 U	10 UJ	10.5 U	10.2 UJ	10.1 U	10.2 UJ	10.9 UJ	10.5 U	10 U
Volatile Organic Compounds																
1,1,1-TRICHLOROETHANE	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,1,2,2-TETRACHLOROETHANE	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
1,1,2-TRICHLOROETHANE	µg/L	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1,1-DICHLOROETHANE	µg/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.84 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
1,1-DICHLOROETHENE	µg/L	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
1,2,4-TRICHLOROBENZENE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
1,2-DIBROMO-3-CHLOROPROPANE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
1,2-DICHLOROBENZENE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
1,2-DICHLOROETHANE	µg/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
1,2-DICHLOROETHYLENES	µg/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.4 J	2.2 U	2.2 U	2.2 U	2.2 U
1,2-DICHLOROPROPANE	µg/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
1,3-DICHLOROBENZENE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
1,4-DICHLOROBENZENE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
2-HEXANONE	µg/L	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
ACETONE	µg/L	5.6 U	5.6 UJ	5.6 UJ	5.6 U	5.6 U	5.6 U	5.6 U	19.5	5.6 U	5.6 U	5.6 U	5.6 U	18.2	5.6 U	5.6 UJ
BENZENE	µg/L	0.5 U	0.5 U	0.5 U	0.18 J	0.5 U	0.5 U	0.5 U	4.1	0.5 U	0.5 U	0.5 U	0.5 U	0.22 J	0.5 U	0.5 U
BROMOCHLOROMETHANE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
BROMODICHLOROMETHANE	µg/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BROMOFORM	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
BROMOMETHANE	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 UJ	2.8 U	2.8 UJ	2.8 U	2.8 U	2.8 U
CARBON DISULFIDE	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
CARBON TETRACHLORIDE	µg/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
CHLOROBENZENE	µg/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
CHLOROETHANE	µg/L	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
CHLOROFORM	µg/L	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
CHLOROMETHANE	µg/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
CIS-1,3-DICHLOROPROPENE	µg/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
CYCLOHEXANE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
DIBROMOCHLOROMETHANE	µg/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
DICHLORODIFLUOROMETHANE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
DIMETHYL BENZENE	µg/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
ETHYLBENZENE	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
ISOPROPYLBENZENE (CUMENE)	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
METHYL ACETATE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 UJ	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 UJ
METHYL ETHYL KETONE (2-BUTANONE)	µg/L	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	2 J	7.4 U	7.4 U
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
METHYLCYCLOHEXANE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
METHYLENE CHLORIDE	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
STYRENE	µg/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
TETRACHLOROETHYLENE(PCE)	µg/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
TOLUENE	µg/L	1 U	1 U	1 U	0.41 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.19 J	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
TRICHLOROETHYLENE (TCE)	µg/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
TRICHLOROFLUOROMETHANE	µg/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
VINYL CHLORIDE	µg/L	3.5 U	14.4	14.6	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	48.8	3.5 U	3.5 U	3.5 U	3.5 U
Wet Chemistry																
ALKALINITY, BICARBONATE (AS $CACO_3$)	mg/L	269 J	250 J	261 J	47 J	50	266 J	201	1,850 J	52	59	75 J	57	43	119	325
ALKALINITY, CARBONATE (AS $CACO_3$)	mg/L	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	138	98	0.5 U	0.5 U
ALKALINITY, TOTAL (AS $CACO_3$)	mg/L	269 J	250 J	261 J	47 J	50	266 J	201	1,850 J	52	59	75 J	195	0.5 U	119	325
CHLORIDE (AS CL)	mg/L	4,650 R*	2,940 R*	2,890 R*	8,170 R*	6,170	14,200 R*	53.2	16,200 R*	23,000	6,810	8,130 R*	31,500	25,600	1,750	2,930
NITROGEN, NITRATE (AS N)	mg/L	0.0201 R*	0.0201 R*	0.0201 R*	0.0202 R*	0.0201 U	0.0346 R*	0.0201 U	0.0268 R*	0.0487 J	0.0201 UJ	0.0201 R*	0.0439 J	0.0473 J	0.0201 U	0.0201 U
NITROGEN, NITRITE	mg/L	NR	NR	NR	0.014 R*	NR	0.0163 R*	NR	0.0139 R*	NR	NR	NR	NR	NR	NR	NR
SULFATE (AS SO_4)	mg/L	0.22 R*	14 R*	4.34 R*	16 R*	5.84	237 R*	58 J	66.4 R*	79.3	77.8	245 R*	27.7	36.6	94.8	272

QUALIFIER KEY: " " - Analyte found; "U" - Not detected; "J" - Estimated Result; "UJ" - Not detected, estimated; "R" - Rejected; "NR" - Analysis not requested; "R" - Rejected, qualifier in review*