Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
March 2002 -- Passive-Diffusion Samples [DS01, passive-diffusion sampler location 1; -A1, bag A primary sample; -B2, bag B secondary sample]											
1-1W	DS01-A1	NR	4/9/2002	1226	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS01-A1
1-1W	DS01-B1	NR	4/9/2002	1230	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS01-B1
1-1W	DS02-A1	1	4/9/2002	1245	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS02-A1
1-1W	DS02-A2	2	4/9/2002	1245	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS02-A2
1-1W	DS02-B1	NR	4/9/2002	1240	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS02-B1
1-2E	DS03-A1	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS03-A1
1-2E	DS03-B2	NR	4/9/2002	1250	<10.0	<0.5	<0.5	<1.0	<0.5	3.8	DS03-B2
1-2E	DS04-A1	1	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS04-A1
1-2E	DS04-A2	2	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS04-A2
1-2E	DS04-B1	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS04-B1
1-3W	DS05-A1	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS05-A1
1-3W	DS05-B1	NR	4/9/2002	1403	<10.0	<0.5	<0.5	<1.0	<0.5	8.4	DS05-B1
1-3W	DS06-A1	NR	4/9/2002	1419	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS06-A1
1-3W	DS06-B2	NR	4/9/2002	1421	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS06-B2
2-1W	DS16-A1	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS16-A1
2-1W	DS16-B1	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS16-B1
2-1W	DS17-A1	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	2.3	DS17-A1
2-1W	DS17-B2	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS17-B2
2-2E	DS18-A1	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS18-A1
2-2E	DS18-B2	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	1.5	DS18-B2
2-2E	DS19-A2	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS19-A2
2-2E	DS19-B2	NR	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS19-B2
2-3E	DS20-A1	1	4/9/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	DS20-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
2-3E	DS20-A2	2	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS20-A2
2-3E	DS20-B1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		7.5		DS20-B1
2-3E	DS21-A1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS21-A1
2-3E	DS21-B1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS21-B1
2-3E	DS22-A1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		0.8		DS22-A1
2-3E	DS22-B1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		2.7		DS22-B1
2-4W	DS23-A1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS23-A1
2-4W	DS23-B1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS23-B1
2-4W	DS23-B2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DS23-B2
2-4W	DS24-A1	1	4/10/2002	--	<10.0		<0.5		1.6	NV	<1.0		<0.5		<0.5		DS24-A1
2-4W	DS24-A2	2	4/10/2002	--	<10.0	x	<0.5	x	2.6	x,NV	<1.0	x	<0.5	x	<0.5	x	DS24-A2
2-4W	DS24-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS24-B1
2-4W	DS25-A1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		7.6		DS25-A1
2-4W	DS25-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	9.5	x	DS25-A2
2-4W	DS25-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		1.0		10.9		DS25-B1
2-4W	DS26-A2	NR	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	1.9	x	DS26-A2
2-4W	DS26-B1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		3.9		DS26-B1
2-4W	DS26-B2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	3.8	x	DS26-B2
2-4W	DS27-A1	1	4/10/2002	--	<10.4		<0.5		<0.5		<1.0		<0.5		4.0		DS27-A1
2-4W	DS27-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	4.2	x	DS27-A2
2-4W	DS27-B1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS27-B1
2-4W	DS27-B2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	1.2	x	DS27-B2
2-4W	DS28-A1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		>250		DS28-A1
2-4W	DS28-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	>250	x	DS28-A2
2-4W	DS28-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		37.8		DS28-B1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
2-5E	DS29-A2	NR	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DS29-A2
2-5E	DS29-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		9.3		DS29-B1
2-5E	DS30-A1	1	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	26.5	x	DS30-A1
2-5E	DS30-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	21.7	x	DS30-A2
2-5E	DS30-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		27.0		DS30-B1
2-6W	DS31-A1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		3.4		DS31-A1
2-6W	DS31-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		26.2		DS31-B1
2-6W	DS32-A1	NR	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DS32-A1
2-6W	DS32-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS32-B1
2-6W	DS33-A1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		14.3		DS33-A1
2-6W	DS33-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	14.5	x	DS33-A2
2-6W	DS33-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		30.7		DS33-B1
2-6W	DS34-A1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		90.5		DS34-A1
2-6W	DS34-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		7.8		DS34-B1
2-6W	DS35-A1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DS35-A1
2-6W	DS35-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DS35-A2
2-6W	DS35-B1	1	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DS35-B1
2-6W	DS35-B2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DS35-B2
2-6W	DS36-A1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		3.3		DS36-A1
2-6W	DS36-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	3.0	x	DS36-A2
2-6W	DS36-B2	NR	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	2.2	x	DS36-B2
2-7W	DS37-A1	1	4/10/2002	--	<10.0		<0.5		10.7		12.6		<0.5		<0.5		DS37-A1
2-7W	DS37-A2	2	4/10/2002	--	<10.0	x	<0.5	x	11.6	x	13.7	x	<0.5	x	<0.5	x	DS37-A2
2-7W	DS37-B1	1	4/10/2002	--	<10.0		<0.5		21.4		11.3		<0.5		<0.5		DS37-B1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
2-7W	DS37-B2	2	4/10/2002	--	<10.0	x	<0.5	x	18.7	x	10.5	x	<0.5	x	<0.5	x	DS37-B2
2-7W	DS38-A1	NR	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	9.6	x	DS38-A1
2-7W	DS38-B1	1	4/10/2002	--	<10.0		0.7		4.6		<1.0		<0.5		11.1		DS38-B1
2-7W	DS38-B2	2	4/10/2002	--	<10.0	x	0.7	x	4.8	x	<1.0	x	<0.5	x	11.9	x	DS38-B2
2-7W	DS39-A1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		15.0		DS39-A1
2-7W	DS39-A2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	16.0	x	DS39-A2
2-7W	DS39-B1	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		5.5		DS39-B1
2-7W	DS39-B2	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	6.1	x	DS39-B2
2-7W	DS40-A1	NR	4/10/2002	--	<10.0		<0.5		29.2		18.4		<0.5		<0.5		DS40-A1
2-7W	DS40-B1	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		1.6	NV	DS40-B1
2-4W	DS41-A1	NR	5/15/2002	0940	<1.0		<0.7		<0.7		<0.7		<0.7		2.0		DS41-A1
2-4W	DS41-B1	NR	5/15/2002	0840	<1.0		<0.7		<0.7		<0.7		<0.7		1.3		DS41-B1
2-4W	DS42-A1	NR	5/15/2002	0945	<1.0		<0.7		<0.7		<0.7		<0.7		14.9		DS42-A1
2-4W	DS42-B1	1	5/15/2002	0945	<1.0		<0.7		<0.7		<0.7		<0.7		>250		DS42-B1
2-4W	DS42-B2	2	5/15/2002	0945	<5.0		<3.5		<3.5		<3.5		<3.5		499		DS42-B2
2-4W	DS43-A1	NR	5/15/2002	0950	<1.0		<0.7		<0.7		<0.7		<0.7		231		DS43-A1
2-4W	DS43-B1	NR	5/15/2002	0950	<1.0		<0.7		<0.7		<0.7		<0.7		32.8		DS43-B1
2-3E	DS44-A1	NR	5/15/2002	0835	<1.0		<0.7		0.7	B	<0.7		<0.7		<0.7		DS44-A1
2-3E	DS44-B1	1	5/15/2002	0835	<1.0		<0.7		0.8	B	<0.7		<0.7		<0.7		DS44-B1
2-3E	DS44-B2	2	5/15/2002	0835	<3.3		<2.3		<2.3		<2.3		<2.3		<2.3		DS44-B2
2-3E	DS45-A1	NR	5/15/2002	0845	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS45-A1
2-3E	DS45-B1	NR	5/15/2002	0845	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS45-B1
2-3E	DS46-A1	1	5/15/2002	0855	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS46-A1
2-3E	DS46-A2	2	5/15/2002	0855	<5.0		<3.5		<3.5		<3.5		<3.5		<3.5		DS46-A2

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs			
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)		Sample name
2-3E	DS46-B1	1	5/15/2002	0855	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7		DS46-B1
2-3E	DS46-B2	2	5/15/2002	0855	<3.3	<2.3	<2.3	<2.3	<2.3	<2.3		DS46-B2
3-1E	DS100-A1	1	5/9/2002	1015	<2.0	<1.4	<1.4	<1.4	<1.4	<1.4		DS100-A1
3-1E	DS100-A2	2	5/9/2002	1015	<5.0	<3.5	<3.5	<3.5	<3.5	<3.5		DS100-A2
3-1E	DS100-B1	1	5/9/2002	1015	<2.0	<1.4	<1.4	<1.4	<1.4	<1.4		DS100-B1
3-1E	DS100-B2	2	5/9/2002	1015	<2.0	<1.4	<1.4	<1.4	<1.4	2.1	NV	DS100-B2
3-1E	DS101-A1	1	5/9/2002	1025	<1.0	<0.7	<0.7	<0.7	<0.7	26.5		DS101-A1
3-1E	DS101-A2	2	5/9/2002	1025	<1.0	<0.7	<0.7	<0.7	<0.7	26.6		DS101-A2
3-1E	DS101-B1	1	5/9/2002	1025	<1.0	<0.7	<0.7	<0.7	<0.7	28.7		DS101-B1
3-1E	DS101-B2	2	5/9/2002	1025	<1.0	<0.7	<0.7	<0.7	<0.7	30.0		DS101-B2
3-1E	DS102-A1	1	5/9/2002	1035	<1.0	<0.7	<0.7	<0.7	<0.7	15.7		DS102-A1
3-1E	DS102-A2	2	5/9/2002	1035	<1.0	<0.7	<0.7	<0.7	<0.7	21.6		DS102-A2
3-1E	DS102-B1	1	5/9/2002	1035	<1.0	<0.7	<0.7	<0.7	<0.7	1.6	NV	DS102-B1
3-1E	DS102-B2	2	5/9/2002	1035	<1.0	<0.7	<0.7	<0.7	<0.7	1.7	NV	DS102-B2
3-2E	DS103-A1	1	5/8/2002	1426	<1.0	<0.7	<0.7	<0.7	<0.7	1.6		DS103-A1
3-2E	DS103-A2	2	5/8/2002	1426	<1.0	<0.7	<0.7	<0.7	<0.7	1.4		DS103-A2
3-2E	DS103-B1	1	5/8/2002	1430	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7		DS103-B1
3-2E	DS103-B2	2	5/8/2002	1430	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7		DS103-B2
3-2E	DS104-A1	NR	5/8/2002	1440	<1.0	<0.7	<0.7	<0.7	<0.7	5.6		DS104-A1
3-2E	DS104-B1	NR	5/8/2002	1443	<1.0	<0.7	<0.7	<0.7	<0.7	3.9		DS104-B1
3-2E	DS105-A1	NR	5/8/2002	1450	<1.0	<0.7	<0.7	<0.7	<0.7	27.3		DS105-A1
3-2E	DS105-B1	1	5/8/2002	1452	<1.0	<0.7	<0.7	<0.7	<0.7	1.7		DS105-B1
3-2E	DS105-B2	2	5/8/2002	1452	<1.0	<0.7	<0.7	<0.7	<0.7	1.7		DS105-B2
3-2E	DS106-A1	NR	5/8/2002	1507	<1.0	<0.7	<0.7	<0.7	<0.7	81.3		DS106-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes					Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)		Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-2E	DS106-B1	NR	5/8/2002	1510	<1.0	<0.7	<0.7		<0.7	<0.7	97.6	DS106-B1
3-2E	DS107-A1	NR	5/8/2002	1520	<1.0	<0.7	<0.7		<0.7	<0.7	21.2	DS107-A1
3-2E	DS107-B1	NR	5/8/2002	1524	<1.0	<0.7	<0.7		<0.7	<0.7	37.1	DS107-B1
3-2E	DS108-A1	NR	5/8/2002	1530	<1.0	<0.7	<0.7		<0.7	<0.7	8.0	DS108-A1
3-2E	DS108-B1	NR	5/8/2002	1534	<1.0	<0.7	<0.7		<0.7	<0.7	2.0	DS108-B1
3-3E	DS109-A2	NR	5/9/2002	1220	<1.0	<0.7	<0.7		<0.7	<0.7	4.3	DS109-A2
3-3E	DS109-B1	1	5/9/2002	1220	<1.0	<0.7	<0.7		<0.7	<0.7	1.5	DS109-B1
3-3E	DS109-B2	2	5/9/2002	1220	<1.0	<0.7	<0.7		<0.7	<0.7	1.5	DS109-B2
3-3E	DS110-A1	1	5/9/2002	1230	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS110-A1
3-3E	DS110-A2	2	5/9/2002	1230	<1.0	<0.7	<0.7		<0.7	0.9	<0.7	DS110-A2
3-3E	DS110-B1	1	5/9/2002	1230	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS110-B1
3-3E	DS110-B2	2	5/9/2002	1230	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS110-B2
3-3E	DS111-A1	1	5/9/2002	1240	<1.0	<0.7	<0.7		<0.7	<0.7	0.8	DS111-A1
3-3E	DS111-A2	2	5/9/2002	1240	<1.0	<0.7	<0.7		<0.7	<0.7	0.9	DS111-A2
3-3E	DS111-B1	1	5/9/2002	1240	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS111-B1
3-3E	DS111-B2	2	5/9/2002	1240	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS111-B2
3-4W	DS112-A1	1	5/15/2002	1355	1.4	34.3	>250	B	>250	5.5	<0.7	DS112-A1
3-4W	DS112-A2	2	5/15/2002	1355	<200	<140	8,010	B	12,100	<140	<140	DS112-A2
3-4W	DS112-B1	1	5/15/2002	1355	2.0	37.0	>250	B	>250	5.8	<0.7	DS112-B1
3-4W	DS112-B2	2	5/15/2002	1355	<200	<140	7,990	B	12,000	<140	<140	DS112-B2
3-4W	DS113-A1	1	5/15/2002	1405	<1.0	66.4	>250	B	>250	1.0	<0.7	DS113-A1
3-4W	DS113-A2	2,MA	5/15/2002	1405	<50.0	60.4	2,450	B	1,250	<35.0	<35.0	DS113-A2
3-4W	DS113-A2	2,MA	5/15/2002	1405	<10.0	70.0	>2,500	B	1,630	<7.0	<7.0	DS113-A2
3-4W	DS113-B1	1	5/15/2002	1445	<1.0	67.2	>250	B	>250	1.1	<0.7	DS113-B1
3-4W	DS113-B2	2,MA	5/15/2002	1405	<50.0	77.9	2,870	B	1,020	<35.0	<35.0	DS113-B2

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes					Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)		Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-4W	DS113-B2	2,MA	5/15/2002	1405	<10.0	65.7	>2,500	B	1,170	<7.0	<7.0	DS113-B2
3-4W	DS114-A1	1	5/15/2002	1415	2.2	156	>250	B	>250	1.5	<0.7	DS114-A1
3-4W	DS114-A2	2	5/15/2002	1415	<200	164	19,000	B	6,290	<140	<140	DS114-A2
3-4W	DS114-B1	1	5/15/2002	1415	<1.0	153	>250	B	>250	1.8	<0.7	DS114-B1
3-4W	DS114-B2	2	5/15/2002	1415	<200	<140	19,500	B	6,200	<140	<140	DS114-B2
3-4W	DS115-A1	1	5/15/2002	1425	<1.0	<0.7	8.5	B	0.8	<0.7	1.0	DS115-A1
3-4W	DS115-A2	2	5/15/2002	1425	<5.0	<3.5	5.7	B	<3.5	<3.5	<3.5	DS115-A2
3-4W	DS115-B1	NR	5/15/2002	1425	<1.0	<0.7	16.8	B	<0.7	<0.7	<0.7	DS115-B1
3-4W	DS116-A1	1	5/15/2002	1435	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS116-A1
3-4W	DS116-A2	2	5/15/2002	1435	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS116-A2
3-4W	DS116-B1	1	5/15/2002	1435	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS116-B1
3-4W	DS116-B2	2	5/15/2002	1435	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS116-B2
3-4W	DS117-A1	1	5/15/2002	1445	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS117-A1
3-4W	DS117-A2	2	5/15/2002	1445	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS117-A2
3-4W	DS117-B1	1	5/15/2002	1445	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS117-B1
3-4W	DS117-B2	2	5/15/2002	1445	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS117-B2
3-5E	DS118-A1	1	5/15/2002	1045	<1.0	<0.7	<0.7		<0.7	<0.7	5.9	DS118-A1
3-5E	DS118-A2	2	5/15/2002	1045	<1.0	<0.7	<0.7		<0.7	<0.7	5.5	DS118-A2
3-5E	DS118-B1	NR	5/15/2002	1045	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS118-B1
3-5E	DS119-A1	NR	5/15/2002	1055	<1.0	<0.7	<0.7		<0.7	<0.7	15.4	DS119-A1
3-5E	DS119-B1	1	5/15/2002	1055	<1.0	<0.7	<0.7		<0.7	<0.7	5.5	DS119-B1
3-5E	DS119-B2	2	5/15/2002	1055	<1.0	<0.7	<0.7		<0.7	<0.7	4.6	DS119-B2
3-6E	DS120-A1	1	5/15/2002	1240	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS120-A1
3-6E	DS120-A2	2	5/15/2002	1240	<1.0	<0.7	<0.7		<0.7	<0.7	<0.7	DS120-A2

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-6E	DS120-B1	1	5/15/2002	1240	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS120-B1
3-6E	DS120-B2	2	5/15/2002	1240	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS120-B2
3-6E	DS121-A1	1	5/15/2002	1250	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS121-A1
3-6E	DS121-A2	2	5/15/2002	1250	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS121-A2
3-6E	DS121-B1	1	5/15/2002	1250	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS121-B1
3-6E	DS121-B2	2	5/15/2002	1250	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS121-B2
3-6E	DS122-A1	NR	5/15/2002	1300	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS122-A1
3-6E	DS122-B1	NR	5/15/2002	1300	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS122-B1
3-6E	DS123-A1	NR	5/15/2002	1310	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS123-A1
3-6E	DS123-B1	NR	5/15/2002	1310	<1.0	<0.7	<0.7	<0.7	<0.7	0.8	DS123-B1
3-6E	DS124-A1	NR	5/15/2002	1320	<1.0	<0.7	<0.7	<0.7	<0.7	30.5	DS124-A1
3-6E	DS124-B1	NR	5/15/2002	1320	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS124-B1
3-6E	DS125-A1	NR	5/15/2002	1330	<1.0	<0.7	<0.7	<0.7	<0.7	129	DS125-A1
3-6E	DS125-B1	NR	5/15/2002	1330	<1.0	<0.7	<0.7	<0.7	<0.7	19.7	DS125-B1
3-7E	DS126-A1	NR	5/15/2002	1015	<1.0	<0.7	<0.7	<0.7	1.3	<0.7	DS126-A1
3-7E	DS126-B1	NR	5/16/2002	1015	<1.0	<0.7	<0.7	<0.7	2.4	<0.7	DS126-B1
3-7E	DS127-A1	1	5/16/2002	1005	<1.0	<0.7	12.0	3.3	1.0	<0.7	DS127-A1
3-7E	DS127-A2	2	5/16/2002	1005	<2.0	<1.4	11.6	2.9	<1.4	<1.4	DS127-A2
3-7E	DS127-B1	1	5/16/2002	1005	<1.0	<0.7	41.3	8.1	1.4	<0.7	DS127-B1
3-7E	DS127-B2	2	5/16/2002	1005	<3.3	<2.3	40.5	7.6	<2.3	<2.3	DS127-B2
3-7E	DS128-A1	1	5/16/2002	1000	<1.0	<0.7	<0.7	<0.7	3.7	<0.7	DS128-A1
3-7E	DS128-A2	2	5/16/2002	1000	<5.0	<3.5	<3.5	<3.5	<3.5	<3.5	DS128-A2
3-8W	DS129-A1	NR	5/16/2002	0935	<1.0	<0.7	<0.7	<0.7	<0.7	1.0	DS129-A1
3-8W	DS129-B1	NR	5/16/2002	0935	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS129-B1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-8W	DS130-A1	1	5/16/2002	0940	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS130-A1
3-8W	DS130-A2	2	5/16/2002	0940	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS130-A2
3-8W	DS130-B1	NR	5/16/2002	0940	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS130-B1
3-9W	DS131-A1	NR	5/16/2002	0925	<1.0	<0.7	<0.7	<0.7	<0.7	180	DS131-A1
3-9W	DS131-B1	1	5/16/2002	0925	<1.0	<0.7	<0.7	<0.7	<0.7	106	DS131-B1
3-9W	DS131-B2	2	5/16/2002	0925	<1.0	<0.7	<0.7	<0.7	<0.7	91.3	DS131-B2
3-9W	DS132-A1	1	5/16/2002	0900	<1.0	<0.7	<0.7	<0.7	<0.7	0.9	DS132-A1
3-9W	DS132-A2	2	5/16/2002	0900	<1.0	<0.7	<0.7	<0.7	<0.7	0.8	DS132-A2
3-9W	DS133-A1	NR	5/16/2002	0905	<1.0	<0.7	0.8	<0.7	<0.7	<0.7	DS133-A1
3-9W	DS133-B1	NR	5/16/2002	0905	<1.0	<0.7	2.8	<0.7	<0.7	<0.7	DS133-B1
3-9W	DS134-A1	1	5/16/2002	0855	<1.0	<0.7	<0.7	<0.7	<0.7	>250	DS134-A1
3-9W	DS134-A2	2	5/16/2002	0855	<5.0	<3.5	<3.5	<3.5	<3.5	516	DS134-A2
3-9W	DS134-B1	1	5/16/2002	0855	<1.0	<0.7	<0.7	<0.7	<0.7	10.7	DS134-B1
3-9W	DS134-B2	2	5/16/2002	0855	<1.0	<0.7	<0.7	<0.7	<0.7	10.5	DS134-B2
3-10E	DS135-A1	NR	5/8/2002	1337	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS135-A1
3-10E	DS135-B1	NR	5/8/2002	1340	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS135-B1
3-10E	DS136-A1	NR	5/8/2002	1325	<1.0	<0.7	<0.7	<0.7	<0.7	64.2	DS136-A1
3-10E	DS136-B1	1	5/8/2002	1330	<1.0	<0.7	<0.7	<0.7	<0.7	8.1	DS136-B1
3-10E	DS136-B2	2	5/8/2002	1330	<1.0	<0.7	<0.7	<0.7	<0.7	8.1	DS136-B2
3-10E	DS137-A1	NR	5/8/2002	1317	<1.0	<0.7	<0.7	<0.7	<0.7	97.7	DS137-A1
3-10E	DS137-B1	1	5/8/2002	1319	<1.0	<0.7	<0.7	<0.7	<0.7	47.2	DS137-B1
3-10E	DS137-B2	2	5/8/2002	1319	<1.0	<0.7	<0.7	<0.7	<0.7	48.7	DS137-B2
3-10E	DS138-A1	NR	5/8/2002	1250	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS138-A1
3-10E	DS138-B1	NR	5/8/2002	1253	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS138-B1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)		Toluene (µg/L)		Sample name
3-10E	DS139-A1	1	5/8/2002	1303	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS139-A1
3-10E	DS139-A2	2	5/8/2002	1303	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS139-A2
3-10E	DS139-B1	1	5/8/2002	1307	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS139-B1
3-10E	DS139-B2	2	5/8/2002	1307	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS139-B2
3-10E	DS140-A1	NR	5/8/2002	1221	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS140-A1
3-10E	DS140-B1	1	5/8/2002	1223	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS140-B1
3-10E	DS140-B2	2	5/8/2002	1223	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS140-B2
3-10E	DS141-A1	NR	5/8/2002	1214	<1.0	<0.7	<0.7	<0.7	1.8		72.7		DS141-A1
3-10E	DS141-B1	NR	5/8/2002	1212	<1.0	<0.7	<0.7	<0.7	1.8		10.1		DS141-B1
3-10E	DS142-A2	NR	5/8/2002	1230	<1.0	<0.7	<0.7	<0.7	1.5	NV	1.4	NV	DS142-A2
3-10E	DS142-B1	1	5/8/2002	--	<1.0	<0.7	<0.7	<0.7	2.5		20.3		DS142-B1
3-10E	DS142-B2	2	5/8/2002	--	<1.0	<0.7	<0.7	<0.7	2.0	NV	17.8		DS142-B2
3-10E	DS143-A1	NR	5/8/2002	1237	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS143-A1
3-10E	DS143-B1	NR	5/8/2002	1239	<1.0	<0.7	<0.7	<0.7	<0.7		12.8		DS143-B1
3-11E	DS144-A1	1	5/9/2002	0850	<1.0	<0.7	<0.7	<0.7	4.6		19.1		DS144-A1
3-11E	DS144-A2	2	5/9/2002	0850	<1.0	<0.7	<0.7	<0.7	4.4		18.9		DS144-A2
3-11E	DS144-B1	1	5/9/2002	0851	<1.0	<0.7	<0.7	<0.7	2.3		114		DS144-B1
3-11E	DS144-B2	2	5/9/2002	0851	<1.0	<0.7	<0.7	<0.7	2.5		130		DS144-B2
3-12E	DS145-A1	1	5/9/2002	0900	<1.0	<0.7	<0.7	<0.7	4.2		7.4		DS145-A1
3-12E	DS145-A2	2	5/9/2002	0900	<1.0	<0.7	<0.7	<0.7	3.7		6.9		DS145-A2
3-12E	DS145-B1	1	5/9/2002	0901	<1.0	<0.7	<0.7	<0.7	2.4		<0.7		DS145-B1
3-12E	DS145-B2	2	5/9/2002	0901	<1.0	<0.7	<0.7	<0.7	2.3		<0.7		DS145-B2
3-13E	DS146-A1	1	5/9/2002	0928	<1.0	<0.7	<0.7	<0.7	<0.7		1.9		DS146-A1
3-13E	DS146-A2	2	5/9/2002	0928	<1.0	<0.7	<0.7	<0.7	<0.7		2.1		DS146-A2
3-13E	DS146-B1	1	5/9/2002	0929	<1.0	<0.7	<0.7	<0.7	<0.7		<0.7		DS146-B1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-13E	DS146-B2	2	5/9/2002	0927	<1.0	<0.7	<0.7	<0.7	<0.7	1.1	DS146-B2
3-14E	DS147-A1	NR	5/9/2002	0935	<1.0	<0.7	<0.7	<0.7	1.0	84.6	DS147-A1
3-14E	DS147-B1	1	5/9/2002	0936	<1.0	<0.7	<0.7	<0.7	1.0	21.8	DS147-B1
3-14E	DS147-B2	2	5/9/2002	0936	<1.0	<0.7	<0.7	<0.7	1.2	31.5	DS147-B2
3-4W	DS148-A1	NR	5/16/2002	1105	<1.0	<0.7	<0.7	<0.7	<0.7	16.5	DS148-A1
3-4W	DS148-B1	NR	5/16/2002	1105	<1.0	<0.7	<0.7	<0.7	<0.7	13.0	DS148-B1
3-4W	DS149-A1	NR	5/16/2002	1100	<1.0	<0.7	<0.7	<0.7	<0.7	1.4	DS149-A1
3-4W	DS149-B1	1	5/16/2002	1100	<1.0	<0.7	<0.7	<0.7	<0.7	56.8	DS149-B1
3-4W	DS149-B2	2	5/16/2002	1100	<1.0	<0.7	<0.7	<0.7	<0.7	62.2	DS149-B2
3-4W	DS150-A1	1	5/16/2002	1050	<1.0	<0.7	<0.7	<0.7	<0.7	5.9	DS150-A1
3-4W	DS150-A2	2	5/16/2002	1050	<1.0	<0.7	<0.7	<0.7	<0.7	5.2	DS150-A2
3-4W	DS150-B1	NR	5/16/2002	1050	<1.0	<0.7	<0.7	<0.7	<0.7	2.4	DS150-B1
3-4W	DS151-A1	NR	5/16/2002	1045	<1.0	<0.7	<0.7	<0.7	<0.7	3.0	DS151-A1
3-4W	DS151-B1	NR	5/16/2002	1045	<1.0	<0.7	<0.7	<0.7	<0.7	5.8	DS151-B1
3-4W	DS152-A1	NR	5/16/2002	1040	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS152-A1
3-4W	DS152-B1	NR	5/16/2002	1040	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS152-B1
4-1E	DS250-A1	1	5/8/2002	1005	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS250-A1
4-1E	DS250-A2	2	5/8/2002	1005	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS250-A2
4-1E	DS250-B1	1	5/8/2002	1008	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS250-B1
4-1E	DS250-B2	2	5/8/2002	1008	4.7	<0.7	<0.7	<0.7	<0.7	<0.7	DS250-B2
4-2W	DS251-A1	NR	5/8/2002	0940	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS251-A1
4-2W	DS251-B1	NR	5/8/2002	0950	2.3	<0.7	<0.7	<0.7	3.2	<0.7	DS251-B1
4-3E	DS252-A1	NR	5/8/2002	0920	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	DS252-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes												Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
4-3E	DS252-B1	1	5/8/2002	0920	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS252-B1
4-3E	DS252-B2	2	5/8/2002	0920	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS252-B2
4-4E	DS253-A1	1	5/8/2002	0857	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS253-A1
4-4E	DS253-A2	2	5/8/2002	0857	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS253-A2
4-4E	DS253-B1	1	5/8/2002	0853	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS253-B1
4-4E	DS253-B2	2	5/8/2002	0853	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		DS253-B2
March 2002 -- Surface-water samples [SWDS01, surface-water sample collected near passive-diffusion sampler location 1; -1 ,primary sample; -2, secondary sample]																			
1-1W	SWDS01-1	NR	4/9/2002	1220	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		SWDS01-1
1-2E	SWDS04-1	NR	4/9/2002	1223	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		SWDS04-1
1-3W	SWDS06-1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		SWDS06-1
2-1W	SWDS16-1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		SWDS16-1
2-2E	SWDS19-1	1	4/9/2002	1538	<12.5		<0.6		<0.6		<1.2		<0.6		<0.6		SWDS19-1
2-2E	SWDS19-2	2	4/9/2002	1538	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		SWDS19-2
2-3E	SWDS20-1	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		SWDS20-1
2-4W	SWDS26-1	1	4/10/2002	1119	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	SWDS26-1
2-4W	SWDS26-2	2	4/10/2002	1119	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	SWDS26-2
2-5E	SWDS30-1	NR	4/10/2002	1120	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	SWDS30-1
2-6W	SWDS33-1	NR	4/10/2002	1050	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	SWDS33-1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
2-6W	SWDS36-1	NR	4/10/2002	1000	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	SWDS36-1
2-7W	SWDS38-1	NR	4/10/2002	0917	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	SWDS38-1
2-4W	SWDS41-1	NR	5/15/2002	0940	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS41-1
2-4W	SWDS43-1	NR	5/15/2002	0950	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS43-1
2-3E	SWDS45-1	NR	5/15/2002	0835	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS45-1
3-1E	SWDS100-1	NR	5/9/2002	1015	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS100-1
3-1E	SWDS101-1	NR	5/9/2002	1025	<1.0		<0.7		3.6		2.3		<0.7		<0.7		SWDS101-1
3-1E	SWDS102-1	NR	5/9/2002	1035	<1.0		<0.7		9.3		8.3		<0.7		<0.7		SWDS102-1
3-2E	SWDS104-1	NR	5/8/2002	1447	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS104-1
3-2E	SWDS107-1	NR	5/8/2002	1502	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS107-1
3-3E	SWDS109-1	NR	5/9/2002	1245	<1.0		<0.7		7.5		7.5		<0.7		<0.7		SWDS109-1
3-4W	SWDS112-1	NR	5/15/2002	1355	<1.0		<0.7		38.1		38.9		<0.7		<0.7		SWDS112-1
3-4W	SWDS114-1	1	5/15/2002	1415	<1.0		20.8		>250		>250		<0.7		<0.7		SWDS114-1
3-4W	SWDS114-2	2	5/15/2002	1415	<100		<70.0		3,600		4,730		<70.0		<70.0		SWDS114-2
3-4W	SWDS114-2	2, MA	5/15/2002	1415	<10.0		31.6		>2,500		>2,500		<7.0		<7.0		SWDS114-2
3-4W	SWDS117-1	NR	5/15/2002	1445	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS117-1
3-5E	SWDS118-1	1	5/15/2002	1045	<1.0		>250		>250		2.8		<0.7		<0.7		SWDS118-1
3-5E	SWDS118-2	2	5/15/2002	1045	<20.0		788		1,420		<14.0		<14.0		<14.0		SWDS118-2
3-6E	SWDS120-1	NR	5/15/2002	1110	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS120-1
3-6E	SWDS123-1	NR	5/15/2002	1120	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		SWDS123-1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-7E	SWDS127-1	NR	5/16/2002	1030	<1.0	<0.7	2.6	2.6	<0.7	<0.7	SWDS127-1
3-7E	SWDS128-2	NR	5/16/2002	1025	<1.0	<0.7	3.5	3.7	<0.7	<0.7	SWDS128-2
3-9W	SWDS134-1	NR	5/16/2002	0850	<1.0	<0.7	8.6	9.4	<0.7	<0.7	SWDS134-1
3-10E	SWDS136-1	NR	5/8/2002	1155	<1.0	<0.7	<0.7	3.4	<0.7	<0.7	SWDS136-1
3-10E	SWDS141-1	NR	5/8/2002	1200	<1.0	<0.7	<0.7	2.1	<0.7	<0.7	SWDS141-1
3-11E	SWDS144-1	NR	5/9/2002	--	<1.0	<0.7	3.3	<0.7	<0.7	<0.7	SWDS144-1
3-12E	SWDS145-1	1	5/9/2002	--	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	SWDS145-1
3-12E	SWDS145-2	2	5/9/2002	--	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	SWDS145-2
3-13E	SWDS146-1	NR	5/9/2002	0920	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	SWDS146-1
3-14E	SWDS147-1	1	5/9/2002	--	<1.0	<0.7	1.7	1.1	5.1	<0.7	SWDS147-1
3-14E	SWDS147-2	2	5/9/2002	--	<1.0	<0.7	2.0	<0.7	5.4	<0.7	SWDS147-2
4-1E	SWDS250-1	NR	5/8/2002	1010	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	SWDS250-1
4-2W	SWDS251-1	NR	5/8/2002	--	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	SWDS251-1
4-3E	SWDS252-1	NR	5/8/2002	0924	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	SWDS252-1
4-4E	SWDS253-1	NR	5/8/2002	0853	<1.0	<0.7	2.8	2.3	<0.7	<0.7	SWDS253-1
March 2002 -- Quality-Control and Quality-Assurance Samples [CB, construction blank; DP, deployment blank; EB, equipment blank; TB, trip blank; -G, ground water, -S or -S(1) or -1S, surface water]											
-	CB031102	NR	3/11/2002	--	<10.0 x	<0.5 x	<0.5 x	<1.0 x	<0.5 x	<0.5 x	CB031102

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
-	DP031202	NR	3/12/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DP031202
-	CB040802	NR	4/8/2002	0735	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		CB040802
-	DP040802	NR	4/8/2002	0941	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DP040802
-	DP040902	1	4/9/2002	0917	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DP040902
-	DP040902	2	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DP040902
-	CB041602	NR	4/16/2002	0855	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		CB041602
-	DP041002	NR	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DP041002
-	DP041602	NR	4/16/2002	1431	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DP041602
-	DP041702	NR	4/17/2002	0933	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DP041702
-	DP041902	NR	4/19/2002	0930	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		DP041902
-	DP031202	NR	3/12/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DP031202
-	DP031202-G	NR	3/12/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	DP031202-G
-	EB040802	NR	4/8/2002	1537	<10.0		<0.5		<0.5		<1.0		0.6		<0.5		EB040802
-	EB040902-G	NR	4/9/2002	1050	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB040902-G
-	EB040902-S	NR	4/9/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB040902-S
-	EB041002-G	1	4/10/2002	--	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB041002-G
-	EB041002-G	2	4/10/2002	--	<10.0	x	<0.5	x	<0.5	x	<1.0	x	<0.5	x	<0.5	x	EB041002-G
-	EB041002-S	NR	4/10/2002	1024	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB041002-S
-	EB041602	1	4/16/2002	1613	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB041602
-	EB041602	2	4/16/2002	1613	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB041602
-	EB041902	1	4/19/2002	1130	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB041902
-	EB041902	2	4/19/2002	1130	<10.0		<0.5		<0.5		<1.0		<0.5		<0.5		EB041902
-	EB050802-S(1)	NR	5/8/2002	1201	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		EB050802-S(1)
-	EB0515S2	2	5/15/2002	0830	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		EB0515S2
-	EB160502-1S	NR	5/16/2002	0830	<1.0		<0.7		<0.7		<0.7		<0.7		<0.7		EB160502-1S

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
-	TB040802	1	4/8/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	TB040802
-	TB040802	2	4/8/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	TB040802
-	TB041002	NR	4/10/2002	--	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	TB041002
-	TB041602	NR	4/16/2002	0857	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	TB041602
-	TB041702	NR	4/17/2002	0830	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	TB041702
-	TB041902	NR	4/19/2002	0730	<10.0	<0.5	<0.5	<1.0	<0.5	<0.5	TB041902
-	TB050802-S(1)	NR	5/8/2002	0652	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	TB050802-S(1)
-	TB050902-1	NR	5/9/2002	--	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	TB050902-1
-	TB051502-1	NR	5/15/2002	0720	<1.0	<0.7	1.3	<0.7	<0.7	<0.7	TB051502-1
-	TB051602-1	NR	5/16/2002	0800	<1.0	<0.7	<0.7	<0.7	<0.7	<0.7	TB051602-1
March 2003 -- Quality-Control and Quality-Assurance Samples [CB, construction blank; DB or DP, deployment blank; EB, equipment blank; -1, primary sample; -2, secondary sample]											
-	CB031303-1	NR	3/13/2003	--	<10.0 x	<0.5 x	<0.5 x	<0.5 x	<0.5 x	<0.5 x	CB031303-1
-	DP031303-1	NR	3/13/2003	--	<10.0 x	<0.5 x	<0.5 x	<0.5 x	<0.5 x	<0.5 x	DP031303-1
-	CB031403-1	NR	3/14/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	CB031403-1
-	DP031403-1	NR	3/14/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DP031403-1
-	CB032403-1	NR	3/24/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	CB032403-1
-	DP032503-1	NR	3/25/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DP032503-1
-	CB032603-1	NR	3/26/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	CB032603-1
-	DP032603-1	1	3/26/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DP032603-1
-	DP032603-2	2	3/26/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DP032603-2
-	DP032703-1	NR	3/27/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DP032703-1
-	CB032803-1	NR	3/28/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	CB032803-1
-	DP033003-1	NR	3/30/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DP033003-1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
-	DP033103-1	NR	3/31/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DP033103-1
-	EB031303-1	NR	3/13/2003	--	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	EB031303-1
-	EBSW040403-1	NR	4/3/2003	0800	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		EBSW040403-1
March 2003 -- Passive-Diffusion Samples [DS47, passive-diffusion sampler location 47; -A1, bag A primary sample; -B2, bag B secondary sample; a, second sample from bottle; b, third sample from bottle; Z, multiple analysis of sample]																	
2-3E	DS47-A1	NR	4/4/2003	0950	<50.0		<2.5		<2.5		<2.5		<2.5		<2.5		DS47-A1
2-3E	DS47-B1	NR	4/4/2003	0950	<10.0		<0.5		<0.5		<0.5		<0.5		3.3		DS47-B1
2-3E	DS48-A1	NR	4/4/2003	0955	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS48-A1
2-3E	DS48-B1	1	4/4/2003	0955	<10.0		<0.5		<0.5		<0.5		<0.5		2.1		DS48-B1
2-3E	DS48-B2	2	4/4/2003	0955	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS48-B2
2-3E	DS49-A1	NR	4/4/2003	1000	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS49-A1
2-3E	DS49-B1	NR	4/4/2003	1000	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS49-B1
2-3E	DS50-A1	NR	4/4/2003	1005	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS50-A1
2-3E	DS50-B1	NR	4/4/2003	1005	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS50-B1
2-3E	DS51-A1	NR	4/4/2003	1010	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS51-A1
2-3E	DS51-B1	NR	4/4/2003	1010	<10.0		<0.5		<0.5		<0.5		<0.5		1.2		DS51-B1
2-3E	DS52-A1	NR	4/4/2003	1015	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS52-A1
2-3E	DS52-B1	NR	4/4/2003	1015	<10.0		<0.5		<0.5		<0.5		<0.5		1.2		DS52-B1
2-3E	DS53-A1	1	4/4/2003	1020	<50.0		<2.5		<2.5		<2.5		<2.5		<2.5		DS53-A1
2-3E	DS53-A2	2	4/4/2003	1020	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	DS53-A2
2-3E	DS53-B1	1	4/4/2003	1020	<10.0		<0.5		<0.5		<0.5		<0.5		1.9		DS53-B1
2-3E	DS53-B2	2	4/4/2003	1020	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	DS53-B2
2-3E	DS54-A1	1	4/4/2003	0905	<10.0		<0.5		<0.5		<0.5		<0.5		0.6		DS54-A1
2-3E	DS54-A2	2	4/4/2003	0905	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	0.8	x	DS54-A2

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
2-3E	DS54-B1	1	4/4/2003	0905	<50.0		<2.5		<2.5		<2.5		<2.5		<2.5		DS54-B1
2-3E	DS54-B2	2	4/4/2003	0905	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	DS54-B2
2-3E	DS55-A1	1	4/4/2003	0910	<50.0		<2.5		9.7		<2.5		<2.5		<2.5		DS55-A1
2-3E	DS55-A2	2	4/4/2003	0910	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS55-A2
2-3E	DS55-B1	NR	4/4/2003	0910	<10.0		<0.5		<0.5		<0.5		<0.5		1.0		DS55-B1
2-3E	DS56-A1	NR	4/4/2003	0915	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS56-A1
2-3E	DS56-B1	NR	4/4/2003	0915	<10.0		<0.5		<0.5		<0.5		<0.5		0.7		DS56-B1
2-3E	DS57-A1	NR	4/4/2003	0920	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS57-A1
2-3E	DS57-B1	NR	4/4/2003	0920	<10.0		<0.5		<0.5		<0.5		<0.5		1.2		DS57-B1
2-3E	DS58-A1	NR	4/4/2003	0925	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS58-A1
2-3E	DS58-B1	NR	4/4/2003	0925	<10.0		<0.5		<0.5		<0.5		<0.5		1		DS58-B1
2-7W	DS59-A1	NR	4/4/2003	1110	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS59-A1
2-7W	DS59-B1	NR	4/4/2003	1110	<10.0		<0.5		<0.5		<0.5		<0.5		1.1		DS59-B1
2-7W	DS60-A1	NR	4/4/2003	1115	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS60-A1
2-7W	DS60-B1	NR	4/4/2003	1115	<10.0		<0.5		2.3		<0.5		<0.5		<0.5		DS60-B1
2-7W	DS61-A1	NR	4/4/2003	1120	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS61-A1
2-7W	DS61-B1	NR	4/4/2003	1120	<10.0		<0.5		<0.5		<0.5		<0.5		3.2		DS61-B1
2-7W	DS62-A1	NR	4/4/2003	1125	<33.3		<1.7		<1.7		<1.7		<1.7		8.2		DS62-A1
2-7W	DS62-B1	NR	4/4/2003	1125	<10.0		<0.5		<0.5		<0.5		<0.5		7.5		DS62-B1
2-7W	DS63-A1	NR	4/4/2003	1130	<33.3		<1.7		<1.7		<1.7		<1.7		6.6		DS63-A1
2-7W	DS63-B1	NR	4/4/2003	1130	<10.0		<0.5		<0.5		<0.5		<0.5		6.8		DS63-B1
2-7W	DS64-A1	1	4/4/2003	1135	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS64-A1
2-7W	DS64-A2	2	4/4/2003	1135	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS64-A2
2-7W	DS64-B1	NR	4/4/2003	1135	<10.0		<0.5		<0.5		<0.5		<0.5		2.2		DS64-B1
2-7W	DS65-A1	1	4/4/2003	1140	<200		<10.0		<10.0		<10.0		<10.0		<10.0		DS65-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
2-7W	DS65-A2	2	4/4/2003	1140	<10.0	x	<0.5	x	11.8	x	12.4	x	<0.5	x	<0.5	x	DS65-A2
2-7W	DS65-B1	1	4/4/2003	1140	<10.0		<0.5		14.3		25.1		<0.5		1.0		DS65-B1
2-7W	DS65-B2	2	4/4/2003	1140	<10.0	x	<0.5	x	14.8	x	27.4	x	<0.5	x	<0.5	x	DS65-B2
2-7W	DS66-A1	NR	4/4/2003	0830	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS66-A1
2-7W	DS66-B1	NR	4/4/2003	0830	<10.0		<0.5		<0.5		<0.5		<0.5		0.9		DS66-B1
2-7W	DS67-A1	NR	4/4/2003	0840	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS67-A1
2-7W	DS67-B1	1	4/4/2003	0840	<10.0		<0.5		<0.5		<0.5		<0.5		1.6		DS67-B1
2-7W	DS67-B2	2	4/4/2003	0840	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS67-B2
2-7W	DS68-A1	NR	4/4/2003	0850	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS68-A1
2-7W	DS68-B1	NR	4/4/2003	0850	<10.0		<0.5		<0.5		<0.5		<0.5		1.3		DS68-B1
3-1E	DS153-A1	NR	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		1.4		DS153-A1
3-1E	DS153-B1	NR	4/3/2003	0925	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS153-B1
3-1E	DS154-A1	NR	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		2.1		DS154-A1
3-1E	DS154-B1	1	4/3/2003	0931	<50.0		<2.5		<2.5		<2.5		<2.5		<2.5		DS154-B1
3-1E	DS154-B2	2	4/3/2003	0935	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS154-B2
3-1E	DS155-A1	NR	4/3/2003	0944	<50.0		<2.5		<2.5		<2.5		<2.5		8.0		DS155-A1
3-1E	DS155-B1	NR	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		4.5		DS155-B1
3-1E	DS156-A1	NR	4/3/2003	--	<50.0		<2.5		<2.5		7.8		<2.5		<2.5		DS156-A1
3-1E	DS156-B1	NR	4/3/2003	0950	<50.0		<2.5		<2.5		7.5		<2.5		<2.5		DS156-B1
3-1E	DS157-A1	NR	4/3/2003	0958	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS157-A1
3-1E	DS157-B1	NR	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		1.2		DS157-B1
3-1E	DS158-A1	1	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		1.3		DS158-A1
3-1E	DS158-A2	2	4/3/2003	1007	<10.0		<0.5		<0.5		<0.5		<0.5		0.6		DS158-A2
3-1E	DS158-B1	NR	4/3/2003	1002	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS158-B1
3-1E	DS159-A1	NR	4/3/2003	--	<10.0		<0.5		2.0		<0.5		<0.5		0.7		DS159-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-1E	DS159-B1	NR	4/3/2003	1008	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS159-B1
3-1E	DS160-A1	NR	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		2.3		DS160-A1
3-1E	DS160-B1	NR	4/3/2003	--	<10.0		<0.5		12.7		<0.5		<0.5		2.8		DS160-B1
3-1E	DS161-A1	1	4/3/2003	1022	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS161-A1
3-1E	DS161-A2	2	4/3/2003	1022	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	DS161-A2
3-1E	DS161-B1	1	4/3/2003	--	<50.0		<2.5		12.5		<2.5		<2.5		<2.5		DS161-B1
3-1E	DS161-B2	2	4/3/2003	1022	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	DS161-B2
3-1E	DS162-A1	NR	4/3/2003	1027	<10.0		<0.5		<0.5		<0.5		<0.5		1.1		DS162-A1
3-1E	DS162-B1	1	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS162-B1
3-1E	DS162-B2	2	4/3/2003	1029	<10.0		<0.5		<0.5		<0.5		<0.5		0.7		DS162-B2
3-4W	DS163-A1	1	4/3/2003	--	<200		58.2		2,620		1,150		<10.0		<10.0		DS163-A1
3-4W	DS163-A2	2	4/3/2003	1359	<50.0	x	61.8	x	>1,250	x	>1,250	x	<2.5	x	<2.5	x	DS163-A2
3-4W	DS163-B1	1	4/3/2003	--	<1,000		<50.0		2,690		967		<50.0		<50.0		DS163-B1
3-4W	DS163-B2	2	4/3/2003	1359	<50.0	x	90.2	x	>1,250	x	1,170	x	<2.5	x	<2.5	x	DS163-B2
3-4W	DS164-A1	NR	4/3/2003	1335	<2,000		<100		14,900		10,000		<100		<100		DS164-A1
3-4W	DS164-B1	1	4/3/2003	1335	<667		86.4		15,700		12,000		<33.3		<33.3		DS164-B1
3-4W	DS164-B2	2	4/3/2003	--	<1,000		<50.0		16,900		13,300		<50.0		<50.0		DS164-B2
3-4W	DS165-A1	1	4/3/2003	1329	<2,000		<100		<100		<100		<100		<100		DS165-A1
3-4W	DS165-A2	2	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS165-A2
3-4W	DS165-B1	NR	4/3/2003	1330	<200		<10.0		<10.0		<10.0		<10.0		<10.0		DS165-B1
3-4W	DS166-A1	NR	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		1.9		1.1		DS166-A1
3-4W	DS166-B1	NR	4/3/2003	1405	<10.0		<0.5		1.2		<0.5		2.3		1.4		DS166-B1
3-4W	DS167-A1	NR	4/3/2003	1341	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DS167-A1
3-4W	DS167-B1	NR	4/3/2003	--	<10.0		<0.5		2.1		<0.5		<0.5		1.0		DS167-B1
3-4W	DS168-A1	NR	4/3/2003	--	<10.0		<0.5		1.4		<0.5		<0.5		4.4		DS168-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-4W	DS169-A1	NR	4/3/2003	1348	<10.0	<0.5	<0.5	<0.5	<0.5	1.8	DS169-A1
3-4W	DS169-B1	NR	4/3/2003	1350	<10.0	<0.5	<0.5	<0.5	<0.5	2.4	DS169-B1
3-4W	DS170-A1	NR	4/3/2003	1409	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS170-A1
3-4W	DS171-A1	1	4/3/2003	1417	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS171-A1
3-4W	DS171-A2	2	4/3/2003	1417	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS171-A2
3-4W	DS171-B1	1	4/3/2003	1419	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS171-B1
3-4W	DS171-B2	2	4/3/2003	1428	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS171-B2
3-4W	DS172-A1	NR	4/3/2003	1426	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS172-A1
3-4W	DS173-A1	NR	4/3/2003	1247	<20.0	<1.0	<1.0	<1.0	3.7	1.7	DS173-A1
3-4W	DS173-B1	NR	4/3/2003	1249	<10.0	<0.5	<0.5	<0.5	3.6	1.1	DS173-B1
3-4W	DS174-A1	NR	4/3/2003	1305	<200	<10.0	<10.0	<10.0	<10.0	<10.0	DS174-A1
3-4W	DS174-B1	NR	4/3/2003	1307	<10.0	<0.5	<0.5	<0.5	1.4	1.2	DS174-B1
3-4W	DS175-A1	NR	4/3/2003	1315	<200	<10.0	<10.0	<10.0	<10.0	<10.0	DS175-A1
3-4W	DS175-B1	1	4/3/2003	1317	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS175-B1
3-4W	DS175-B2	2	4/3/2003	1317	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS175-B2
3-4W	DS176-A1	NR	4/3/2003	1321	<20.0	<1.0	17.5	<1.0	<1.0	2.7	DS176-A1
3-4W	DS176-B1	1	4/3/2003	1323	<10.0	<0.5	12.2	<0.5	<0.5	1.4	DS176-B1
3-4W	DS176-B2	2	4/3/2003	--	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS176-B2
3-5E	DS177-A1	NR	4/3/2003	1056	<10.0	24.5	161	<0.5	<0.5	<0.5	DS177-A1
3-5E	DS177-B1	NR	4/3/2003	1058	<10.0	32.3	178	<0.5	<0.5	0.5	DS177-B1
3-5E	DS178-A1	NR	4/3/2003	--	<10.0	113	198	<0.5	0.6	0.5	DS178-A1
3-5E	DS178-B1	NR	4/3/2003	--	<10.0	113	205	<0.5	<0.5	<0.5	DS178-B1
3-5E	DS179-A1	1	4/3/2003	--	<10.0	>250	>250	7.6	<0.5	4.1	DS179-A1
3-5E	DS179-A2	2	4/3/2003	1107	<24,000	11,500	282,000	<1,200	<1,200	<1,200	DS179-A2
3-5E	DS179-A3	3	4/3/2003	1107	<24,000	10,100	356,000	<1,200	<1,200	<1,200	DS179-A3

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-5E	DS179-A3	3, MA	4/3/2003	1107	<20,000	12,300	328,000	<1,000	<1,000	<1,000	DS179-A3
3-5E	DS179-A1	1	6/16/2003	--	<2,400	14,800	371,000	1,870	<1,200	<1,200	DS179-A1
3-5E	DS179-A2	2	6/16/2003	--	<2,400	10,900	392,000	8,610	<1,200	<1,200	DS179-A2
3-5E	DS179-B1	1	4/3/2003	1109	<2,500	13,300	>62,500	<125	<125	<125	DS179-B1
3-5E	DS179-B1	1, MA	4/3/2003	1109	<24,000	10,800	275,000	<1,200	<1,200	<1,200	DS179-B1
3-5E	DS179-B1	1, MA	4/3/2003	1109	<20,000	12,600	286,000	<1,000	<1,000	<1,000	DS179-B1
3-5E	DS179-B2	2	4/3/2003	1109	<20,000	14,400	359,000	<1,000	<1,000	<1,000	DS179-B2
3-5E	DS179-B2	2, MA	4/3/2003	1109	<24,000	11,300	268,000	<1,200	<1,200	<1,200	DS179-B2
3-5E	DS179-B2	2, MA	4/3/2003	1109	<20,000	12,100	283,000	<1,000	<1,000	<1,000	DS179-B2
3-5E	DS179-B3	3	4/3/2003	1109	<24,000	12,900	290,000	<1,200	<1,200	<1,200	DS179-B3
3-5E	DS179-B3	3, MA	4/3/2003	1109	<20,000	13,700	327,000	<1,000	<1,000	<1,000	DS179-B3
3-5E	DS179-B1	NR	6/16/2003	--	<24,000	17,400	410,000	4,390	<1,200	<1,200	DS179-B1
3-5E	DS180-A1	NR	4/3/2003	--	<10.0	>250	>250	<0.5	<0.5	4.2	DS180-A1
3-5E	DS180-B1	1	4/3/2003	1112	<500	2,200	>12,500	<25.0	<25.0	<25.0	DS180-B1
3-5E	DS180-B2	2	4/3/2003	--	<1,000	2,370	12,700	<50.0	<50.0	<50.0	DS180-B2
3-5E	DS181-A1	NR	4/3/2003	1249	<200	9.1	120	<10.0	<10.0	<10.0	DS181-A1
3-5E	DS181-A1	NR, MA	4/3/2003	1249	<50.0	17.5	127	<2.5	<2.5	<2.5	DS181-A1
3-5E	DS181-B1	NR	4/3/2003	1123	<10.0	17.0	111	<0.5	<0.5	1.5	DS181-B1
3-5E	DS182-A1	NR	4/3/2003	1120	<20.0	>500	>500	<1.0	<1.0	4.1	DS182-A1
3-5E	DS182-B1	NR	4/3/2003	1120	<200	1,700	2,400	<10.0	<10.0	<10.0	DS182-B1
3-7E	DS183-A1	NR	4/4/2003	1310	<50.0	<2.5	<2.5	<2.5	<2.5	2.5	DS183-A1
3-7E	DS183-B1	1	4/4/2003	1310	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS183-B1
3-7E	DS183-B2	2	4/4/2003	1310	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	DS183-B2
3-7E	DS184-A1	NR	4/4/2003	1315	<20.0	<1.0	<1.0	<1.0	<1.0	<1.0	DS184-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-7E	DS184-B1	NR	4/4/2003	1315	<10.0		<0.5		<0.5		<0.5		<0.5		0.7		DS184-B1
3-7E	DS185-A1	NR	4/4/2003	1320	<20.0		<1.0		3.4		<1.0		<1.0		0.9		DS185-A1
3-7E	DS185-B1	NR	4/4/2003	1320	<10.0		<0.5		<0.5		<0.5		<0.5		1.7		DS185-B1
3-7E	DS186-A1	NR	4/4/2003	1325	<20.0		<1.0		<1.0		<1.0		<1.0		1.1		DS186-A1
3-7E	DS186-B1	NR	4/4/2003	1325	<10.0		<0.5		<0.5		<0.5		<0.5		2.0		DS186-B1
3-7E	DS187-A1	1	4/4/2003	1330	<20.0		<1.0		<1.0		<1.0		<1.0		<1.0		DS187-A1
3-7E	DS187-A2	2	4/4/2003	1330	<10.0		<0.5		<0.5		<0.5		<0.5		0.9		DS187-A2
3-7E	DS187-B1	NR	4/4/2003	1330	<10.0		<0.5		<0.5		<0.5		<0.5		1.1		DS187-B1
3-7E	DS188-A1	NR	4/4/2003	1335	<33.3		<1.7		<1.7		<1.7		<1.7		<1.7		DS188-A1
3-7E	DS188-B1	NR	4/4/2003	1335	<10.0		<0.5		<0.5		<0.5		1.6		0.5		DS188-B1
3-7E	DS189-A1	1	4/4/2003	1340	<50.0		<2.5		18.8		<2.5		<2.5		<2.5		DS189-A1
3-7E	DS189-A2	2	4/4/2003	1340	<10.0	x	<0.5	x	<0.5	x	<0.5	x	1.5	x	1.1	x	DS189-A2
3-7E	DS189-B1	1	4/4/2003	1340	<20.0		<1.0		<1.0		<1.0		1.2		<1.0		DS189-B1
3-7E	DS189-B2	2	4/4/2003	1340	<10.0	x	<0.5	x	<0.5	x	<0.5	x	1.3	x	1.2	x	DS189-B2
3-7E	DS190-A1	NR	4/4/2003	1345	<50.0		<2.5		<2.5		<2.5		2.6		1.6		DS190-A1
3-7E	DS190-B1	NR	4/4/2003	1345	<10.0		<0.5		<0.5		<0.5		2.7		<0.5		DS190-B1
March 2003 -- Surface-water samples [SWDS54, surface water location 54; -1 ,primary sample; -2, secondary sample]																	
2-3E	SWDS54-1	1	4/4/2003	0940	<10.0		<0.5		13.7		14.6		<0.5		<0.5		SWDS54-1
2-3E	SWDS54-2	2	4/4/2003	0940	<10.0		<0.5		15.3		16.1		<0.5		<0.5		SWDS54-2
2-7W	SWDS65-1	NR	4/4/2003	0900	<10.0		<0.5		11.4		18.5		<0.5		<0.5		SWDS65-1
3-1E	SWDS155-1	NR	4/3/2003	0905	<10.0		<0.5		<0.5		6.0		<0.5		<0.5		SWDS155-1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-4W	SWDS164-1	1	4/3/2003	--	<10.0		7.6		>250		>250		1.5		0.7		SWDS164-1
3-4W	SWDS164-2	2	4/3/2003	1241	<200	x	<10.0	x	2,190	x	2,530	x	<10.0	x	<10.0	x	SWDS164-2
3-4W	SWDS174-1	1	4/3/2003	--	<1,000		<50.0		<50.0		<50.0		<50.0		<50.0		SWDS174-1
3-4W	SWDS174-2	2	4/3/2003	--	<200		<10.0		<10.0		<10.0		<10.0		<10.0		SWDS174-2
3-5E	SWDS179-1	NR	6/16/2003	--	<50.0		<25.0		<25.0		<25.0		<25.0		<25.0		SWDS179-1
3-5E	SWDS182-1	1	4/3/2003	1044	<200		420		3,660		<10.0		<10.0		<10.0		SWDS182-1
3-5E	SWDS182-2	2	4/3/2003	1044	<200	x	96.3	x	4,550	x	16.6	x	<10.0	x	<10.0	x	SWDS182-2
3-7E	SWDS189-1	1	4/4/2003	1300	<200		<10.0		<10.0		<10.0		<10.0		<10.0		SWDS189-1
3-7E	SWDS189-2	2	4/4/2003	1300	<10.0		<0.5		12.5		12.8		<0.5		<0.5		SWDS189-2
March 2003 -- Quality-Control and Quality-Assurance Samples [TB, trip blank; -1, primary sample; -2, secondary sample]																	
-	TB031303-1	NR	3/13/2003	--	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	TB031303-1
-	TB031403-1	NR	3/14/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB031403-1
-	TB032403-1	NR	3/24/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB032403-1
-	TB032603-1	1	3/26/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB032603-1
-	TB032603-2	2	3/26/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB032603-2
-	TB032703-1	NR	3/27/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB032703-1
-	TB032803-1	NR	3/28/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB032803-1
-	TB033103-1	NR	3/31/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB033103-1
-	TB040303-1	NR	4/3/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB040303-1
-	TB040403-1	NR	4/4/2003	0700	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB040403-1

July 2003 -- Peeper samples [WBSP1, West Branch short peeper location 1; -1A , row 1 cell A; -6B, row 6 cell B, 11A2, the second sample from row 11 cell 1; 11A3, the third sample of cell 11 primary sample; PEEPTANK, construction blank]

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-4W	WBSP1-1A	NR	7/7/2003	--	<1,000	<50.0	6,500	7,860	<50.0	<50.0	WBSP1-1A
3-4W	WBSP1-2A	NR	7/7/2003	--	<1,000	<50.0	6,570	8,120	<50.0	<50.0	WBSP1-2A
3-4W	WBSP1-3A	NR	7/7/2003	--	<1,000	<50.0	6,730	8,620	<50.0	<50.0	WBSP1-3A
3-4W	WBSP1-4A	NR	7/7/2003	--	<1,000	<50.0	6,560	8,270	<50.0	<50.0	WBSP1-4A
3-4W	WBSP1-5A	NR	7/7/2003	--	<1,000	<50.0	6,600	8,570	<50.0	<50.0	WBSP1-5A
3-4W	WBSP1-6A	1	7/7/2003	--	<1,000	<50.0	6,600	8,170	<50.0	<50.0	WBSP1-6A
3-4W	WBSP1-6B	2	7/7/2003	--	<25.0	46.2	5,390	6,570	<25.0	<25.0	WBSP1-6B
3-4W	WBSP1-7A	NR	7/7/2003	--	<1,000	<50.0	5,800	6,750	<50.0	<50.0	WBSP1-7A
3-4W	WBSP1-8A	NR	7/7/2003	--	<1,000	<50.0	4,010	2,990	<50.0	<50.0	WBSP1-8A
3-4W	WBSP1-9A	1	7/7/2003	--	<1,000	305	1,990	315	<50.0	<50.0	WBSP1-9A
3-4W	WBSP1-9B	2	7/7/2003	--	<50.0	262	3,940	1,590	<50.0	<25.0	WBSP1-9B
3-4W	WBSP1-10A	NR	7/7/2003	--	<1,000	121	4,890	1,680	<50.0	<50.0	WBSP1-10A
3-4W	WBSP1-11A	1	7/7/2003	--	<25.0	27.4	4,850	3,570	<25.0	<25.0	WBSP1-11A
3-4W	WBSP1-11A	1, MA	7/7/2003	--	<50.0	<25.0	4,900	3,800	<25.0	<25.0	WBSP1-11A
3-4W	WBSP1-11A	1, MA	7/7/2003	--	<50.0	33.9	4,810	3,660	<25.0	<25.0	WBSP1-11A
3-4W	WBSP1-11B	2, MA	7/7/2003	--	<25.0	25.6	5,490	5,190	<25.0	<25.0	WBSP1-11B
3-4W	WBSP1-11B	2, MA	7/7/2003	--	<50.0	39.3	5,540	5,410	<25.0	<25.0	WBSP1-11B
3-4W	WBSP1-12A	NR	7/7/2003	--	<25.0	33.6	5,140	4,930	<25.0	<25.0	WBSP1-12A
3-4W	WBSP1-13A	NR	7/7/2003	--	<25.0	32.6	5,270	3,680	<25.0	<25.0	WBSP1-13A
3-4W	WBSP1-14A	NR	7/7/2003	--	<25.0	27.2	5,230	3,980	<25.0	<25.0	WBSP1-14A
3-4W	WBSP1-15A	1	7/7/2003	--	<1,000	<50.0	5,890	3,150	<50.0	<50.0	WBSP1-15A
3-4W	WBSP1-15A	1, MA	7/7/2003	--	<50.0 x	37.2 x	5,000 x	3,400 x	<25.0 x	<25.0 x	WBSP1-15A
3-4W	WBSP1-15B	2	7/7/2003	--	<25.0	<25.0	5,170	5,740	<25.0	<25.0	WBSP1-15B
3-4W	WBSP1-15B	2, MA	7/7/2003	--	<50.0	36.9	5,290	6,070	<25.0	<25.0	WBSP1-15B
3-4W	WBSP1-16A	NR	7/7/2003	--	<25.0	47.9	5,530	5,190	<25.0	<25.0	WBSP1-16A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-4W	WBSP1-17A	1	7/7/2003	--	<25.0		44.4		5,690		8,100		<25.0		<25.0		WBSP1-17A
3-4W	WBSP1-17B	2	7/7/2003	--	<25.0		41.3		5,550		8,180		<25.0		<25.0		WBSP1-17B
3-4W	WBSP1-18A	NR	7/7/2003	--	<25.0		41.7		5,870		8,500		<25.0		<25.0		WBSP1-18A
3-4W	WBSP1-19A	NR	7/7/2003	--	<25.0		36.6		5,670		5,890		<25.0		<25.0		WBSP1-19A
3-4W	WBSP1-20A	1	7/7/2003	--	<1,000		<50.0		7,410		4,410		<50.0		<50.0		WBSP1-20A
3-4W	WBSP1-20B	2	7/7/2003	--	<50.0		56.9		7,130		5,650		<50.0		<25.0		WBSP1-20B
3-4W	WBSP1-21A	NR	7/7/2003	--	<25.0		58.0		6,620		3,870		<25.0		<25.0		WBSP1-21A
3-4W	WBSP2-1A	1	7/7/2003	--	<1,000		<50.0		1,580		599		<50.0		<50.0		WBSP2-1A
3-4W	WBSP2-1B	2	7/7/2003	--	<50.0	x	<25.0	x	4,740	x	2,210	x	<25.0	x	<25.0	x	WBSP2-1B
3-4W	WBSP2-2A	1	7/7/2003	--	<1,000		<50.0		<50.0		<50.0		<50.0		<50.0		WBSP2-2A
3-4W	WBSP2-2B	2	7/7/2003	--	<50.0		<25.0		4,690		1,300		<25.0		<25.0		WBSP2-2B
3-4W	WBSP2-3A	1	7/7/2003	--	<1,000		<50.0		699		182		<50.0		<50.0		WBSP2-3A
3-4W	WBSP2-3B	2	7/7/2003	--	<50.0		26.7		3,960		865		<25.0		<25.0		WBSP2-3B
3-4W	WBSP2-4A	NR	7/7/2003	--	<1,000		<50.0		2,650		1,020		<50.0		<50.0		WBSP2-4A
3-4W	WBSP2-5A	1	7/7/2003	--	<1,000		<50.0		1,950		894		<50.0		<50.0		WBSP2-5A
3-4W	WBSP2-5B	2	7/7/2003	--	<50.0	x	<25.0	x	5,140	x	2,720	x	<25.0	x	<25.0	x	WBSP2-5B
3-4W	WBSP2-6A	NR	7/7/2003	--	<1,000		<50.0		741		221		<50.0		<50.0		WBSP2-6A
3-4W	WBSP2-7A	1	7/7/2003	--	<1,000		<50.0		6,620		2,540		<50.0		<50.0		WBSP2-7A
3-4W	WBSP2-7A	1, MA	7/7/2003	--	<50.0	x	29.6	x	5,930	x	2,880	x	<25.0	x	<25.0	x	WBSP2-7A
3-4W	WBSP2-7B	2	7/7/2003	--	<25.0		<25.0		4,600		1,900		<25.0		<25.0		WBSP2-7B
3-4W	WBSP2-8A	1	7/7/2003	--	<1,000		<50.0		7,090		3,630		<50.0		<50.0		WBSP2-8A
3-4W	WBSP2-8A	1, MA	7/7/2003	--	<50.0		<25.0		5,910		3,640		<25.0		<25.0		WBSP2-8A
3-4W	WBSP2-8A	1, MA	7/7/2003	--	<50.0	x	<25.0	x	6,080	x	3,800	x	<25.0	x	<25.0	x	WBSP2-8A
3-4W	WBSP2-8B	2	7/7/2003	--	<50.0		<25.0		4,850		1,500		<25.0		<25.0		WBSP2-8B
3-4W	WBSP2-9A	NR	7/7/2003	--	<1,000		<50.0		6,430		1,980		<50.0		<50.0		WBSP2-9A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes										Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-4W	WBSP2-10A	1	7/7/2003	--	<1,000		<50.0		6,480		1,290		<50.0		<50.0		WBSP2-10A
3-4W	WBSP2-10B	2	7/7/2003	--	<25.0		<25.0		6,840		2,700		<25.0		<25.0		WBSP2-10B
3-4W	WBSP2-11A	NR	7/7/2003	--	<1,000		<50.0		5,560		629		<50.0		<50.0		WBSP2-11A
3-4W	WBSP2-12A	NR	7/7/2003	--	<1,000		<50.0		4,830		360		<50.0		<50.0		WBSP2-12A
3-4W	WBSP2-13A	NR	7/7/2003	--	<1,000		<50.0		5,850		812		<50.0		<50.0		WBSP2-13A
3-4W	WBSP2-14A	NR	7/7/2003	--	<1,000		<50.0		7,410		2,280		<50.0		<50.0		WBSP2-14A
3-4W	WBSP2-15A	NR	7/7/2003	--	<1,000		<50.0		5,900		1,880		<50.0		<50.0		WBSP2-15A
3-4W	WBSP2-16A	1	7/7/2003	--	<1,000		<50.0		1,360		125		<50.0		<50.0		WBSP2-16A
3-4W	WBSP2-16B	2	7/7/2003	--	<50.0	x	<25.0	x	7,950	x	6,980	x	<25.0	x	<25.0	x	WBSP2-16B
3-4W	WBSP2-17A	NR	7/7/2003	--	<1,000		<50.0		477		<50.0		<50.0		<50.0		WBSP2-17A
3-4W	WBSP2-18A	1	7/7/2003	--	<1,000		<50.0		99.6		<50.0		<50.0		<50.0		WBSP2-18A
3-4W	WBSP2-18A	1, MA	7/7/2003	--	<50.0		<25.0		95.5		<25.0		<25.0		<25.0		WBSP2-18A
3-4W	WBSP2-18B	2	7/7/2003	--	<25.0		<25.0		3,830		620		<25.0		<25.0		WBSP2-18B
3-4W	WBSP2-18B	2, MA	7/7/2003	--	<50.0		<25.0		3,670		589		<25.0		<25.0		WBSP2-18B
3-4W	WBSP2-19A	1	7/7/2003	--	<1,000		<50.0		<50.0		<50.0		<50.0		<50.0		WBSP2-19A
3-4W	WBSP2-19A	1, MA	7/7/2003	--	<50.0		<25.0		<25.0		<25.0		<25.0		<25.0		WBSP2-19A
3-4W	WBSP2-19B	2	7/7/2003	--	<50.0		<25.0		2,980		347		<25.0		<25.0		WBSP2-19B
3-4W	WBSP2-20A	1	7/7/2003	--	<1,000		<50.0		<50.0		<50.0		<50.0		<50.0		WBSP2-20A
3-4W	WBSP2-20A	1, MA	7/7/2003	--	<50.0		<25.0		<25.0		<25.0		<25.0		<25.0		WBSP2-20A
3-4W	WBSP2-20B1	2	7/7/2003	--	<50.0		<25.0		4,620		1,090		<25.0		<25.0		WBSP2-20B1
3-4W	WBSP2-21A	1	7/7/2003	--	<1,000		<50.0		<50.0		<50.0		<50.0		<50.0		WBSP2-21A
3-4W	WBSP2-21A	1, MA	7/7/2003	--	<50.0		<25.0		<25.0		<25.0		<25.0		<25.0		WBSP2-21A
3-4W	WBSP2-21B	2	7/7/2003	--	<25.0		<25.0		4,780		1,330		<25.0		<25.0		WBSP2-21B
3-4W	WBSP2-21B	2, MA	7/7/2003	--	<50.0		<25.0		4,680		1,360		<25.0		<25.0		WBSP2-21B
3-4W	WBSP3-1A	1	7/7/2003	--	<50.0		92.8		14,100		12,200		<50.0		<50.0		WBSP3-1A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-4W	WBSP3-1B	2	7/7/2003	--	<100	61.1	13,900	11,900	<50.0	<50.0	WBSP3-1B
3-4W	WBSP3-2A	NR	7/7/2003	--	<50.0	92.6	13,900	11,300	<50.0	<50.0	WBSP3-2A
3-4W	WBSP3-3A	NR	7/7/2003	--	<50.0	91.0	13,900	9,670	<50.0	<50.0	WBSP3-3A
3-4W	WBSP3-4A	1,MA	7/7/2003	--	<100	74.9	12,900	8,400	<50.0	<50.0	WBSP3-4A
3-4W	WBSP3-4B	2	7/7/2003	--	<100	<50.0	14,100	13,700	<50.0	<50.0	WBSP3-4B
3-4W	WBSP3-5A	NR	7/7/2003	--	<50.0	70.0	13,600	7,780	<50.0	<50.0	WBSP3-5A
3-4W	WBSP3-6A	NR	7/7/2003	--	<50.0	88.6	12,400	4,450	<50.0	<50.0	WBSP3-6A
3-4W	WBSP3-7A	1	7/7/2003	--	<50.0	98.4	11,400	2,810	<50.0	<50.0	WBSP3-7A
3-4W	WBSP3-7B	2	7/7/2003	--	<50.0	75.5 NV	12,900	2,870	<50.0	<50.0	WBSP3-7B
3-4W	WBSP3-8A	NR	7/7/2003	--	<50.0	82.7	11,000	2,160	<50.0	<50.0	WBSP3-8A
3-4W	WBSP3-9A	1	7/7/2003	--	<50.0	137	12,600	2,420	<50.0	<50.0	WBSP3-9A
3-4W	WBSP3-9B	2	7/7/2003	--	<100	<50.0	11,300	725	<50.0	<50.0	WBSP3-9B
3-4W	WBSP3-10A	NR	7/7/2003	--	<50.0	146	13,700	2,990	<50.0	<50.0	WBSP3-10A
3-4W	WBSP3-11A	NR	7/7/2003	--	<50.0	170	13,600	2,470	<50.0	<50.0	WBSP3-11A
3-4W	WBSP3-12A	NR	7/7/2003	--	<50.0	291	12,200	2,450	<50.0	<50.0	WBSP3-12A
3-4W	WBSP3-13A	NR	7/7/2003	--	<50.0	112	12,200	2,720	<50.0	<50.0	WBSP3-13A
3-4W	WBSP3-14A	1	7/7/2003	--	<50.0	131	10,000	3,300	<50.0	<50.0	WBSP3-14A
3-4W	WBSP3-14B	2	7/7/2003	--	<100	<50.0	10,500	2,320	<50.0	<50.0	WBSP3-14B
3-4W	WBSP3-14B	2, MA	7/7/2003	--	<100	<50.0	10,600	2,530	<50.0	<50.0	WBSP3-14B
3-4W	WBSP3-15A	1	7/7/2003	--	<50.0	149	9,770	4,440	<50.0	<50.0	WBSP3-15A
3-4W	WBSP3-15B	2	7/7/2003	--	<100	<50.0	10,500	2,870	<50.0	<50.0	WBSP3-15B
3-4W	WBSP3-15B	2, MA	7/7/2003	--	<100	<50.0	10,600	2,880	<50.0	<50.0	WBSP3-15B
3-4W	WBSP3-16A	NR	7/7/2003	--	<50.0	<50.0	9,750	5,040	<50.0	<50.0	WBSP3-16A
3-4W	WBSP3-17A	NR	7/7/2003	--	<50.0	<50.0	9,240	5,410	<50.0	<50.0	WBSP3-17A
3-4W	WBSP3-18A	NR	7/7/2003	--	<50.0	<50.0	9,380	5,920	<50.0	<50.0	WBSP3-18A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-4W	WBSP3-19A	1	7/7/2003	--	<50.0	<50.0	9,900	6,960	<50.0	<50.0	WBSP3-19A
3-4W	WBSP3-19B	2	7/7/2003	--	<100	<50.0	9,800	4,560	<50.0	<50.0	WBSP3-19B
3-4W	WBSP3-20A	NR	7/7/2003	--	<50.0	<50.0	10,000	6,730	<50.0	<50.0	WBSP3-20A
3-4W	WBSP3-21A	1	7/7/2003	--	<50.0	<50.0	11,300	4,940	<50.0	<50.0	WBSP3-21A
3-4W	WBSP3-21B	2	7/7/2003	--	<100	<50.0	11,400	7,300	<50.0	<50.0	WBSP3-21B
3-1E	WBSP4-8A	1	7/11/2003	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-8A
3-1E	WBSP4-8B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-8B
3-1E	WBSP4-9A	NR	7/11/2003	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-9A
3-1E	WBSP4-10A	1	7/11/2003	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-10A
3-1E	WBSP4-10B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-10B
3-1E	WBSP4-11A	1	7/11/2003	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-11A
3-1E	WBSP4-11B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-11B
3-1E	WBSP4-12A	1	7/11/2003	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-12A
3-1E	WBSP4-12B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-12B
3-1E	WBSP4-13A	1	7/11/2003	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-13A
3-1E	WBSP4-13B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-13B
3-1E	WBSP4-14A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-14A
3-1E	WBSP4-15A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-15A
3-1E	WBSP4-16A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-16A
3-1E	WBSP4-17A	1	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	3.1	WBSP4-17A
3-1E	WBSP4-17B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-17B
3-1E	WBSP4-18A	1	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-18A
3-1E	WBSP4-18B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-18B
3-1E	WBSP4-19A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-19A
3-1E	WBSP4-20A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-20A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-1E	WBSP4-21A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP4-21A
3-1E	WBSP5-3A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	13.5	WBSP5-3A
3-1E	WBSP5-8A	1	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	2.7	WBSP5-8A
3-1E	WBSP5-8B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-8B
3-1E	WBSP5-9A	1	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-9A
3-1E	WBSP5-9B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-9B
3-1E	WBSP5-10A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	4.1	WBSP5-10A
3-1E	WBSP5-11A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	4.1	WBSP5-11A
3-1E	WBSP5-12A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	5.8	WBSP5-12A
3-1E	WBSP5-13A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	3.0	WBSP5-13A
3-1E	WBSP5-14A	1	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	3.2	WBSP5-14A
3-1E	WBSP5-14B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-14B
3-1E	WBSP5-15A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	2.5	WBSP5-15A
3-1E	WBSP5-16A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-16A
3-1E	WBSP5-17A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-17A
3-1E	WBSP5-18A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-18A
3-1E	WBSP5-19A	1	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-19A
3-1E	WBSP5-19B	2	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-19B
3-1E	WBSP5-20A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-20A
3-1E	WBSP5-21A	NR	7/11/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP5-21A
3-7E	WBSP6-1A	1	7/17/2003	--	<3.3	<1.7	<1.7	<1.7	<1.7	<1.7	WBSP6-1A
3-7E	WBSP6-1B	2	7/17/2003	--	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	WBSP6-1B
3-7E	WBSP6-2A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7	<1.7	<1.7	WBSP6-2A
3-7E	WBSP6-3A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7	<1.7	<1.7	WBSP6-3A
3-7E	WBSP6-4A	1	7/17/2003	--	<3.3	<1.7	<1.7	<1.7	<1.7	<1.7	WBSP6-4A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes					Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)		Benzene (µg/L)	Toluene (µg/L)	Sample name
3-7E	WBSP6-4B	2	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-4B
3-7E	WBSP6-5A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-5A
3-7E	WBSP6-6A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-6A
3-7E	WBSP6-7A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-7A
3-7E	WBSP6-8A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-8A
3-7E	WBSP6-9A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-9A
3-7E	WBSP6-10A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-10A
3-7E	WBSP6-11A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-11A
3-7E	WBSP6-12A	1	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-12A
3-7E	WBSP6-12B	2	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-12B
3-7E	WBSP6-13A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-13A
3-7E	WBSP6-14A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-14A
3-7E	WBSP6-15A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-15A
3-7E	WBSP6-16A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-16A
3-7E	WBSP6-17A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	2.9	WBSP6-17A
3-7E	WBSP6-18A	1	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-18A
3-7E	WBSP6-18B	2	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-18B
3-7E	WBSP6-19A	1	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-19A
3-7E	WBSP6-19B	2	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-19B
3-7E	WBSP6-20A	1	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-20A
3-7E	WBSP6-20B	2	7/17/2003	--	<5.0	<1.7	<1.7	<1.7		<1.7	<1.7	WBSP6-20B
3-7E	WBSP6-21A	NR	7/17/2003	--	<3.3	<1.7	<1.7	<1.7		<1.7	9.1	WBSP6-21A
3-7E	WBSP7-1A	1	7/17/2003	--	<3.3	<1.7	30.4	10.1		<1.7	<1.7	WBSP7-1A
3-7E	WBSP7-1B	2	7/17/2003	--	<7.5	5.4	475	302	H	<2.5	<2.5	WBSP7-1B
3-7E	WBSP7-2A	1	7/17/2003	--	<3.3	12.9	178	53.0		<1.7	<1.7	WBSP7-2A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes					Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)		Benzene (µg/L)	Toluene (µg/L)	Sample name
3-7E	WBSP7-2B	2	7/17/2003	--	<7.5	3.7	753	445	H	<2.5	<2.5	WBSP7-2B
3-7E	WBSP7-3A	1	7/17/2003	--	<3.3	9.5	753	207		<1.7	<1.7	WBSP7-3A
3-7E	WBSP7-3B	2	7/17/2003	--	<5.0	<2.5	957	795		<2.5	<2.5	WBSP7-3B
3-7E	WBSP7-4A	1	7/17/2003	--	<3.3	4.4	>833	396		<1.7	<1.7	WBSP7-4A
3-7E	WBSP7-4B	2	7/17/2003	--	<5.0	<2.5	964	789		<2.5	<2.5	WBSP7-4B
3-7E	WBSP7-5A	1	7/17/2003	--	<3.3	2.6	771	589		<1.7	<1.7	WBSP7-5A
3-7E	WBSP7-5B	2	7/17/2003	--	<7.5	<2.5	951	823	H	<2.5	<2.5	WBSP7-5B
3-7E	WBSP7-6A	1	7/17/2003	--	<3.3	5.1	769	148		<1.7	<1.7	WBSP7-6A
3-7E	WBSP7-6B	2	7/17/2003	--	<7.5	<2.5	906	615	H	<2.5	<2.5	WBSP7-6B
3-7E	WBSP7-7A	NR	7/17/2003	--	<3.3	<1.7	748	501		<1.7	<1.7	WBSP7-7A
3-7E	WBSP7-8A	1	7/17/2003	--	<3.3	2.0	772	554		<1.7	<1.7	WBSP7-8A
3-7E	WBSP7-8B	2	7/17/2003	--	<5.0	<2.5	961	1,110		<2.5	<2.5	WBSP7-8B
3-7E	WBSP7-9A	1	7/17/2003	--	<3.3	4.2	>833	761		2.1	<1.7	WBSP7-9A
3-7E	WBSP7-9B	2	7/17/2003	--	<5.0	<2.5	1,000	983		<2.5	<2.5	WBSP7-9B
3-7E	WBSP7-10A	1	7/17/2003	--	<3.3	4.1	>833	>833		3.0	<1.7	WBSP7-10A
3-7E	WBSP7-10B	2	7/17/2003	--	<5.0	<2.5	929	1,060		<2.5	<2.5	WBSP7-10B
3-7E	WBSP7-11A	1	7/17/2003	--	<3.3	4.2	733	581		<1.7	<1.7	WBSP7-11A
3-7E	WBSP7-11B	2	7/17/2003	--	<5.0	<2.5	930	1,190		<2.5	<2.5	WBSP7-11B
3-7E	WBSP7-12A	NR	7/17/2003	--	<3.3	5.2	716	588		2.2	<1.7	WBSP7-12A
3-7E	WBSP7-13A	NR	7/17/2003	--	<3.3	4.6	712	561		2.2	<1.7	WBSP7-13A
3-7E	WBSP7-14A	NR	7/17/2003	--	<3.3	3.2	565	331		<1.7	<1.7	WBSP7-14A
3-7E	WBSP7-15A	1	7/17/2003	--	<3.3	2.9	>833	722		3.1	<1.7	WBSP7-15A
3-7E	WBSP7-15B	2	7/17/2003	--	<5.0	3.2	460	155		<2.5	<2.5	WBSP7-15B
3-7E	WBSP7-16A	1	7/17/2003	--	<3.3	2.8	740	624		<1.7	<1.7	WBSP7-16A
3-7E	WBSP7-16B	2	7/17/2003	--	<5.0	4.2	551	260		<2.5	<2.5	WBSP7-16B

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

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					Chlorinated Methanes												Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-7E	WBSP7-17A	NR	7/17/2003	--	<5.0		<2.5		469		494		<2.5		<2.5		WBSP7-17A
3-7E	WBSP7-18A	NR	7/17/2003	--	<5.0		<2.5		606		622		<2.5		<2.5		WBSP7-18A
3-7E	WBSP7-19A	NR	7/17/2003	--	<5.0		<2.5		601		519		<2.5		<2.5		WBSP7-19A
3-7E	WBSP7-20A	1	7/17/2003	--	<5.0		<2.5		642		465		<2.5		<2.5		WBSP7-20A
3-7E	WBSP7-20B	2	7/17/2003	--	<5.0		6.9		861		1,100		<2.5		<2.5		WBSP7-20B
3-7E	WBSP7-21A	NR	7/17/2003	--	<5.0		<2.5		587		444		<2.5		<2.5		WBSP7-21A
3-7E	WBSP7-22A	NR	7/17/2003	--	<5.0		5.1		523		190		<2.5		<2.5		WBSP7-22A
-	PEEPTANK	NR	6/27/2003	--	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		PEEPTANK
August 2003 -- Surface-water samples [31H1, surface water at seep 3-1 high tide during AM; H1, high tide during the AM; H2, high tide during the PM; HM, high-mid tide during the AM; L, low tide; LM, low-mid tide; M1, mid-AM tide; M2, mid-PM tide; MH, mid-high tide; ML, mid-low tide; X, cross-section sample; -1A , site 1 primary sample; -2A, site 2 primary sample; -1B , site 1 secondary sample; -2B2, second sample from site 2 secondary sample; -2B3, third sample from site 2 secondary sample; 34X1A, primary sample (A) at the first location (1) along a cross-section (X) at seep 3-4 (34); CF-BL, C-Flex tubing blank; DI BLANK, deionized water blank; PT, tubing blank; TB, trip blank; TF-BL, Teflon tubing blank ; TY or TYGON BLANK, tygon tubing blank]																			
3-1E	31H1-1A	NR	8/12/2003	0845	<10.0	x	<2.5	x	2.2	x	<2.5	x	<2.5	x	<2.5	x	31H1-1A
3-1E	31H1-2A	1	8/12/2003	0900	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		31H1-2A
3-1E	31H1-3A	NR	8/12/2003	0900	<10.0		<0.5		4.1		3.8		<0.5		<0.5		31H1-3A
3-1E	31H2-1A	NR	8/12/2003	2120	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	31H2-1A
3-1E	31H2-2A	NR	8/12/2003	2130	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		31H2-2A
3-1E	31H2-3A	1	8/12/2003	2140	<10.0		<0.5		5.9		5.4		<0.5		<0.5		31H2-3A
3-1E	31H2-3B	2	8/12/2003	2140	2.1	x	<0.5	x	6.0	x	6.2	x	<0.5	x	<0.5	x	31H2-3B
3-1E	31HM-1A	NR	8/12/2003	1055	<10.0	x	<0.5	x	3.0	x	2.2	x	<0.5	x	<0.5	x	31HM-1A
3-1E	31HM-2A	NR	8/12/2003	1100	<10.0		<0.5		0.7		<0.5		<0.5		<0.5		31HM-2A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-1E	31HM-3A	1	8/12/2003	1105	<10.0		<0.5		2.8		2.8		<0.5		<0.5		31HM-3A
3-1E	31HM-3B	2	8/12/2003	1105	<10.0	x	<0.5	x	2.6	x	2.2	x	<0.5	x	<0.5	x	31HM-3B
3-1E	31L-1A	NR	8/12/2003	1630	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	31L-1A
3-1E	31L-2A	NR	8/12/2003	1640	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	31L-2A
3-1E	31L-3A	NR	8/12/2003	1650	<10.0	x	<0.5	x	0.8	x	1.5	x	<0.5	x	<0.5	x	31L-3A
3-1E	31LM-1A	NR	8/12/2003	1740	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	31LM-1A
3-1E	31LM-2A	NR	8/12/2003	1745	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		31LM-2A
3-1E	31LM-3A	NR	8/12/2003	1750	<10.0		<0.5		0.8		1.5		<0.5		<0.5		31LM-3A
3-1E	31M1-1A	1	8/12/2003	1255	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	31M1-1A
3-1E	31M1-1B	2	8/12/2003	1255	<10.0	x	<0.5	x	0.8	x	<0.5	x	<0.5	x	<0.5	x	31M1-1B
3-1E	31M1-2B	NR	8/12/2003	1300	<10.0	x	<0.5	x	0.6	x	<0.5		<0.5	x	<0.5	x	31M1-2B
3-1E	31M1-3A	NR	8/12/2003	1305	<10.0		<0.5		3.7		3.7		<0.5		<0.5		31M1-3A
3-1E	31M2-1A	NR	8/12/2003	1840	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	31M2-1A
3-1E	31M2-2B	NR	8/12/2003	1850	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	31M2-2B
3-1E	31M2-3A	1	8/12/2003	1900	<10.0		<0.5		9.7		8.3		<0.5		<0.5		31M2-3A
3-1E	31M2-3B	2	8/12/2003	1900	<10.0	x	<0.5	x	10.3	x	10.4	x	<0.5	x	<0.5	x	31M2-3B
3-1E	31MH-1A	NR	8/12/2003	2015	<50.0	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	<2.5	x	31MH-1A
3-1E	31MH-2A	NR	8/12/2003	2020	<10.0		<0.5		<0.5		1.0		<0.5		<0.5		31MH-2A
3-1E	31MH-3A	1	8/12/2003	2025	<10.0		<0.5		5.9		6.0		<0.5		<0.5		31MH-3A
3-1E	31MH-3B	2	8/12/2003	2025	<10.0	x	<0.5	x	5.8	x	5.7	x	<0.5	x	<0.5	x	31MH-3B
3-1E	31ML-1A	NR	8/12/2003	1355	<50.0	x	<2.5	x	<2.5	x	2.5	x	<2.5	x	<2.5	x	31ML-1A
3-1E	31ML-2B	NR	8/12/2003	1400	<10.0	x	<0.5	x	1.4	x	<0.5		<0.5	x	<0.5	x	31ML-2B
3-1E	31ML-3B	NR	8/12/2003	1405	<10.0	x	<0.5	x	3.0	x	3.2	x	<0.5	x	<0.5	x	31ML-3B
3-4W	34H1-1A	1	8/12/2003	0850	<10.0		<0.5		7.4		7.0		<0.5		<0.5		34H1-1A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-4W	34H1-1B	2	8/12/2003	0850	<10.0		<0.5		8.0		8.5		<0.5		<0.5		34H1-1B
3-4W	34H1-2A	1	8/12/2003	0900	38.8		57.8		>2,500		>2,500		<5.0		<5.0		34H1-2A
3-4W	34H1-2B	2	8/12/2003	0900	<1,000	x	56.3	x	6,940	x	12,600	x	<50.0	x	<50.0	x	34H1-2B
3-4W	34H1-2B	2, MA	8/12/2003	0900	<1,000	x	61.1	x	7,100	x	12,900	x	<50.0	x	<50.0	x	34H1-2B
3-4W	34H1-3A	1	8/12/2003	0930	<10.0		<0.5		3.5		3.0		<0.5		<0.5		34H1-3A
3-4W	34H1-3B	2	8/12/2003	0930	<10.0	x	<0.5	x	3.6	x	3.2	x	<0.5	x	<0.5	x	34H1-3B
3-4W	34H2-1A	NR	8/12/2003	1050	<10.0		<0.5		6.8		7.9		<0.5		<0.5		34H2-1A
3-4W	34H2-2A	1	8/12/2003	2125	34.9		81.9		>2,500		>2,500		<5.0		<5.0		34H2-2A
3-4W	34H2-2B	2	8/12/2003	--	<1,000	x	80.2	x	8,840	x	15,100	x	<50.0	x	<50.0	x	34H2-2B
3-4W	34H2-2B	2, MA	8/12/2003	2125	1,230	x	73.8	x	8,720	x	15,700	x	<50.0	x	<50.0	x	34H2-2B
3-4W	34H2-3A	NR	8/12/2003	2120	<10.0		<0.5		2.0		1.4		<0.5		<0.5		34H2-3A
3-4W	34HM-1A	NR	8/12/2003	1115	<10.0		<0.5		3.6		3.4		<0.5		<0.5		34HM-1A
3-4W	34HM-2A	1	8/12/2003	1100	<100		<5.0		39.3		38.0		<5.0		<5.0		34HM-2A
3-4W	34HM-2B	2	8/12/2003	1100	<1,000	x	<50.0	x	<50.0	x	<50.0		<50.0	x	<50.0	x	34HM-2B
3-4W	34HM-2B	2, MA	8/12/2003	1100	<100	x	<5.0	x	20.5	x	21.7	x	<5.0	x	<5.0	x	34HM-2B
3-4W	34HM-3A	NR	8/12/2003	1050	<10.0		<0.5		4.0		3.9		<0.5		<0.5		34HM-3A
3-4W	34L-1B	NR	8/12/2003	1640	<10.0		<0.5		7.3		3.7		<0.5		<0.5		34L-1B
3-4W	34L-2A	1	8/12/2003	1650	<1,000	x	80.1	x	9,010	x	14,800	x	<50.0	x	<50.0	x	34L-2A
3-4W	34L-2B	2	8/12/2003	1650	<1,000	x	83.5	x	8,550	x	14,700	x	<50.0	x	<50.0	x	34L-2B
3-4W	34L-2B	2, MA	8/12/2003	1650	<1,000	x	67.0	x	8,620	x	14,700	x	<50.0	x	<50.0	x	34L-2B
3-4W	34L-3A	NR	8/12/2003	1710	<10.0		<0.5		7.6		7.8		<0.5		<0.5		34L-3A
3-4W	34LM-1A	NR	8/12/2003	1725	<10.0		<0.5		23.0		26.1		<0.5		<0.5		34LM-1A
3-4W	34LM-2A	1	8/12/2003	1735	33.9		75.0		>2,500		>2,500		<5.0		<0.5		34LM-2A
3-4W	34LM-2B	2	8/12/2003	1735	<1,000	x	75.0	x	8,300	x	14,500	x	<50.0	x	<50.0	x	34LM-2B
3-4W	34LM-2B	2, MA	8/12/2003	1735	<1,000	x	77.9	x	8,400	x	14,000	x	<50.0	x	<50.0	x	34LM-2B

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-4W	34LM-2B	2, MA	8/12/2003	1735	<1,000	x	72.4	x	8,550	x	14,500	x	<50.0	x	<50.0	x	34LM-2B
3-4W	34LM-3A	NR	8/12/2003	1740	<10.0		<0.5		5.8		5.3		<0.5		<0.5		34LM-3A
3-4W	34M1-1B	NR	8/12/2003	1310	<10.0		<0.5		3.8		3.1		<0.5		<0.5		34M1-1B
3-4W	34M1-2A	1	8/12/2003	1250	<100		<5.0		16.0		21.2		<5.0		<5.0		34M1-2A
3-4W	34M1-2B	2	8/12/2003	1250	<1,000	x	<50.0	x	<50.0	x	<50.0		<50.0	x	<50.0	x	34M1-2B
3-4W	34M1-2B	2, MA	8/12/2003	1250	<10.0	x	<0.5	x	37.0	x	47.7	x	<0.5	x	<0.5	x	34M1-2B
3-4W	34M1-3B	NR	8/12/2003	1240	<10.0		<0.5		6.2		6.3		<0.5		<0.5		34M1-3B
3-4W	34M2-1A	1	8/12/2003	1830	<10.0		<0.5		10.9		12.0		<0.5		<0.5		34M2-1A
3-4W	34M2-1B	2	8/12/2003	1830	<10.0	x	<0.5	x	12.6	x	14.4	x	<0.5	x	<0.5	x	34M2-1B
3-4W	34M2-2A	1	8/12/2003	1835	21.3		76.0		>2,500		>2,500		<5.0		<5.0		34M2-2A
3-4W	34M2-2B	2	8/12/2003	1835	<1,000	x	81.2	x	8,460	x	13,900	x	<50.0	x	<50.0	x	34M2-2B
3-4W	34M2-2B	2, MA	8/12/2003	1835	<1,000	x	72.4	x	8,240	x	13,500	x	<50.0	x	<50.0	x	34M2-2B
3-4W	34M2-3A	NR	8/12/2003	1855	<10.0		<0.5		3.8		3.4		<0.5		<0.5		34M2-3A
3-4W	34MH-1A	NR	8/12/2003	2000	<10.0		<0.5		5.3		5.4		<0.5		<0.5		34MH-1A
3-4W	34MH-2A	1	8/12/2003	2005	<100		70.2		>2,500		>2,500		<5.0		<5.0		34MH-2A
3-4W	34MH-2B	2	8/12/2003	2005	<1,000	x	69.7	x	7,280	x	12,400	x	<50.0	x	<50.0	x	34MH-2B
3-4W	34MH-2B	2, MA	8/12/2003	2005	83.2	x	73.7	x	>250	x	>250	x	<0.5	x	<0.5	x	34MH-2B
3-4W	34MH-3A	NR	8/12/2003	2015	<10.0		<0.5		2.2		1.8		<0.5		<0.5		34MH-3A
3-4W	34ML-1A	1	8/12/2003	1402	<10.0		<0.5		4.2		3.3		<0.5		<0.5		34ML-1A
3-4W	34ML-1B	2	8/12/2003	1402	<10.0	x	<0.5	x	4.5	x	3.6	x	<0.5	x	<0.5	x	34ML-1B
3-4W	34ML-2A	1	8/12/2003	1355	28.8		74.5		>2,500		>2,500		<5.0		<5.0		34ML-2A
3-4W	34ML-2B	2	8/12/2003	0900	<2,000	x	<100	x	5,850	x	8,940	x	<100	x	<100	x	34ML-2B
3-4W	34ML-2B	2, MA	8/12/2003	1355	<1,000	x	51.6	x	5,790	x	8,840	x	<50.0	x	<50.0	x	34ML-2B
3-4W	34ML-2B	2, MA	8/12/2003	1355	<1,000	x	54.5	x	5,790	x	8,860	x	<50.0	x	<50.0	x	34ML-2B
3-4W	34ML-2B	2, MA	8/12/2003	1355	<500	x	52.6	x	5,770	x	8,880	x	<25.0	x	<25.0	x	34ML-2B

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-4W	34ML-3A	1	8/12/2003	1345	<10.0		<0.5		9.6		9.6		<0.5		<0.5		34ML-3A
3-4W	34ML-3B	2	8/12/2003	1345	<10.0	x	<0.5	x	9.5	x	9.8	x	<0.5	x	<0.5	x	34ML-3B
3-4W	34X1A	NR	8/12/2003	1430	<50.0	x	<2.5	x	8.2	x	6.8	x	<2.5	x	<2.5	x	34X1A
3-4W	34X2A	1	8/12/2003	1435	<50.0	x	<2.5	x	8.1	x	7.8	x	<2.5	x	<2.5	x	34X2A
3-4W	34X2B	2	8/12/2003	1435	<10.0	x	<0.5	x	8.4	x	8.2	x	<0.5	x	<0.5	x	34X2B
3-4W	34X3A	NR	8/12/2003	1440	<10.0	x	<0.5	x	4.2	x	3.8		<0.5	x	<0.5	x	34X3A
3-4W	34X4A	NR	8/12/2003	1445	<10.0	x	<0.5	x	3.1	x	2.7		<0.5	x	<0.5	x	34X4A
3-4W	34X5A	NR	8/12/2003	1450	<10.0	x	<0.5	x	2.3	x	2.3		<0.5	x	<0.5	x	34X5A
3-4W	34X6A	NR	8/12/2003	1455	<10.0	x	<0.5	x	2.5	x	2.4		<0.5	x	<0.5	x	34X6A
3-4W	34X7A	1	8/12/2003	1500	<10.0	x	<0.5	x	2.5	x	2.3		<0.5	x	<0.5	x	34X7A
3-4W	34X7B	2	8/12/2003	1500	<10.0	x	<0.5	x	2.4	x	2.6	x	<0.5	x	<0.5	x	34X7B
3-4W	34X8A	NR	8/12/2003	1505	<10.0	x	<0.5	x	2.9	x	2.2		<0.5	x	<0.5	x	34X8A
3-7E	37H1-1A	NR	8/12/2003	0900	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		37H1-1A
3-7E	37H1-2A	1	8/12/2003	0900	<50.0		<2.5		579		757		<2.5		<2.5		37H1-2A
3-7E	37H1-2B	2	8/12/2003	0900	<50.0	x	<2.5	x	600	x	776	x	<2.5	x	<2.5	x	37H1-2B
3-7E	37H1-3A	NR	8/12/2003	0900	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		37H1-3A
3-7E	37H2-1A	1	8/12/2003	2140	<10.0		<0.5		2.1		1.7		<0.5		<0.5		37H2-1A
3-7E	37H2-1B	2	8/12/2003	2140	<10.0	x	<0.5	x	2.3	x	1.8	x	<0.5	x	<0.5	x	37H2-1B
3-7E	37H2-2A	1	8/12/2003	2140	<50.0		<2.5		450		672		<2.5		<2.5		37H2-2A
3-7E	37H2-2B	2	8/12/2003	2140	<50.0	x	<2.5	x	524	x	756	x	<2.5	x	<2.5	x	37H2-2B
3-7E	37H2-3A	NR	8/12/2003	2140	<10.0		<0.5		2.2		1.6		<0.5		<0.5		37H2-3A
3-7E	37HM-1A	NR	8/12/2003	1115	<10.0		<0.5		1.5		1.1		<0.5		<0.5		37HM-1A
3-7E	37HM-2A	1	8/12/2003	1115	<50.0		<2.5		359		473		<2.5		<2.5		37HM-2A
3-7E	37HM-2B	2	8/12/2003	1115	<50.0	x	<2.5	x	395	x	504	x	<2.5	x	<2.5	x	37HM-2B
3-7E	37HM-3A	NR	8/12/2003	1115	<10.0		<0.5		2.1		1.7		<0.5		<0.5		37HM-3A

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-7E	37L-1A	NR	8/12/2003	1640	<10.0		<0.5		2.9		2.2		<0.5		<0.5		37L-1A
3-7E	37L-2A	NR	8/12/2003	1640	<50.0	x	<2.5	x	125	x	162	x	<2.5	x	<2.5	x	37L-2A
3-7E	37L-3A	NR	8/12/2003	1640	<10.0		<0.5		3.2		2.0		<0.5		<0.5		37L-3A
3-7E	37LM-1A	NR	8/12/2003	1730	<10.0		<0.5		6.2		5.6		<0.5		<0.5		37LM-1A
3-7E	37LM-2A	NR	8/12/2003	1730	<10.0	x	0.8	x	200	x	>250	x	0.5	x	<0.5	x	37LM-2A
3-7E	37LM-3A	1	8/12/2003	1730	<10.0		<0.5		8.2		7.7		<0.5		<0.5		37LM-3A
3-7E	37LM-3B	2	8/12/2003	1730	<10.0	x	<0.5	x	6.6	x	6.6	x	<0.5	x	<0.5	x	37LM-3B
3-7E	37M1-1A	1	8/12/2003	1320	<10.0		<0.5		3.8		2.7		<0.5		<0.5		37M1-1A
3-7E	37M1-1B	2	8/12/2003	1320	<10.0	x	<0.5	x	3.3	x	2.7	x	<0.5	x	<0.5	x	37M1-1B
3-7E	37M1-2A	NR	8/12/2003	1350	<50.0	x	<2.5	x	5.6	x	4.4		<2.5	x	<2.5	x	37M1-2A
3-7E	37M1-3A	1	8/12/2003	1320	<10.0		<0.5		4.0		3.0		<0.5		<0.5		37M1-3A
3-7E	37M1-3B	2	8/12/2003	1320	<10.0	x	<0.5	x	4.3	x	3.8	x	<0.5	x	<0.5	x	37M1-3B
3-7E	37M2-1A	1	8/12/2003	--	<10.0		<0.5		4.5		3.8		<0.5		<0.5		37M2-1A
3-7E	37M2-1B	2	8/12/2003	1850	<10.0	x	<0.5	x	4.3	x	3.8	x	<0.5	x	<0.5	x	37M2-1B
3-7E	37M2-2A	NR	8/12/2003	1850	<50.0	x	<2.5	x	17.4	x	22.3		<2.5	x	<2.5	x	37M2-2A
3-7E	37M2-3A	NR	8/12/2003	--	<10.0		<0.5		4.1		3.4		<0.5		<0.5		37M2-3A
3-7E	37MH-1A	NR	8/12/2003	2030	<10.0		<0.5		2.7		1.8		<0.5		<0.5		37MH-1A
3-7E	37MH-2A	NR	8/12/2003	2030	<50.0	x	<2.5	x	151	x	219		<2.5	x	<2.5	x	37MH-2A
3-7E	37MH-3A	NR	8/12/2003	2030	<10.0		<0.5		2.8		2.5		<0.5		<0.5		37MH-3A
3-7E	37ML-1A	NR	8/12/2003	1415	<10.0		<0.5		4.4		3.2		<0.5		<0.5		37ML-1A
3-7E	37ML-2A	NR	8/12/2003	1415	<50.0	x	<2.5	x	9.5	x	8.9		<2.5	x	<2.5	x	37ML-2A
3-7E	37ML-3A	NR	8/12/2003	1415	<10.0		<0.5		4.5		3.6		<0.5		<0.5		37ML-3A
3-7E	37X1A	NR	8/12/2003	1350	<10.0		<0.5		4.5		3.1		<0.5		<0.5		37X1A
3-7E	37X2A	1	8/12/2003	1350	<10.0		<0.5		4.2		3.5		<0.5		<0.5		37X2A
3-7E	37X2B	2	8/12/2003	1350	<10.0	x	<0.5	x	4.7	x	4.7		<0.5	x	<0.5	x	37X2B

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes								Additional VOCs				
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)		Methylene chloride (µg/L)		Chloroform (µg/L)		Carbon tetrachloride (µg/L)		Benzene (µg/L)		Toluene (µg/L)		Sample name
3-7E	37X3A	1	8/12/2003	1350	<10.0		<0.5		4.8		4.2		<0.5		<0.5		37X3A
3-7E	37X3B	2	8/12/2003	1350	<10.0	x	<0.5	x	4.8	x	4.6		<0.5	x	<1.0	x	37X3B
3-7E	37X4A	1	8/12/2003	1350	<10.0		<0.5		4.8		4.2		<0.5		<0.5		37X4A
3-7E	37X4B	2	8/12/2003	1350	<10.0	x	<0.5	x	4.9	x	4.9		<0.5	x	<0.5	x	37X4B
3-7E	37X5A	1	8/12/2003	1350	<10.0		<0.5		4.6		4.1		<0.5		<0.5		37X5A
3-7E	37X5B	2	8/12/2003	1350	<10.0	x	<0.5	x	5.0	x	5.0		<0.5	x	<0.5	x	37X5B
3-7E	37X6A	NR	8/12/2003	--	<10.0	x	<0.5	x	5.7	x	5.8	x	<0.5	x	<0.5	x	37X6A
3-7E	37X7A	NR	8/12/2003	--	<10.0	x	<0.5	x	5.6	x	5.4	x	<0.5	x	<0.5	x	37X7A
3-7E	37X8A	NR	8/12/2003	1350	<10.0	x	<0.5	x	6.1	x	6.4	x	<0.5	x	<0.5	x	37X8A
-	CF-BL-5A	NR	8/11/2003	1525	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		CF-BL-5A
-	CF-BL-6A	NR	8/11/2003	1600	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		CF-BL-6A
-	DI BLANK-B	NR	8/8/2003	0714	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	DI BLANK-B
-	DI-BLANK-A	NR	8/8/2003	0714	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		DI-BLANK-A
-	PT-A1	NR	8/11/2003	1440	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		PT-A1
-	PT-A2	NR	8/11/2003	1435	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		PT-A2
-	PTB-1	NR	8/11/2003	--	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	PTB-1
-	PT-BL-3	NR	8/8/2003	0810	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		PT-BL-3
-	TB1-A		8/12/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB1-A
-	TB2-B		8/14/2003	--	<10.0	x	<0.5	x	<0.5	x	<0.5		<0.5	x	<0.5	x	TB2-B
-	TB3-A		8/12/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TB3-A
-	TF-BL-A	NR	8/8/2003	0716	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TF-BL-A
-	TY-BL-4A	NR	8/11/2003	--	<10.0		<0.5		<0.5		<0.5		<0.5		<0.5		TY-BL-4A
-	TY- BL-4B	NR	8/11/2003	--	<10.0	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	<0.5	x	TY- BL-4B

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
December 2003 -- Passive-Diffusion Samples [DS47, passive-diffusion sampler location 47; -A1, bag A primary sample; -B2, bag B secondary sample; a, second sample from bottle; b, third sample from bottle; Z, multiple analysis of sample]											
3-7E	DS301-A1	NR	12/9/2003	1239	<0.5	1.4	122	63.3	4.6	<0.5	DS301-A1
3-7E	DS302-A1	1	12/9/2003	1245	<1.0	7.1	>500	>500	<1.0	<1.0	DS302-A1
3-7E	DS302-A2	2	12/9/2003	1245	<10.0	<10.0	736	715	<10.0	<10.0	DS302-A2
3-7E	DS302-A2	2, MA	12/9/2003	1245	<2.5	7.2	726	835	<2.5	<2.5	DS302-A2
3-7E	DS303-A1	NR	12/9/2003	1253	<1.0	<1.0	12.9	<1.0	<1.0	2.5	DS303-A1
3-7E	DS304-A1	NR	12/9/2003	1256	<0.5	8.6	175	80.7	1.0	<0.5	DS304-A1
3-7E	DS305-A1	NR	12/9/2003	1305	<1.0	2.3	457	459	<1.0	<1.0	DS305-A1
3-7E	DS306-A1	NR	12/9/2003	1320	<0.5	<0.5	<0.5	<0.5	3.5	<0.5	DS306-A1
3-7E	DS307-A1	1	12/9/2003	1308	<0.5	<0.5	11.6	1.8	3.4	<0.5	DS307-A1
3-7E	DS307-A2	2	12/9/2003	1308	<1.0	<1.0	9.4	1.4	3.3	<1.0	DS307-A2
3-7E	DS308-A1	1	12/9/2003	1323	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	DS308-A1
3-7E	DS308-A2	2	12/9/2003	1323	<0.5	<0.5	<0.5	<0.5	1.3	0.7	DS308-A2
3-7E	DS309-A1	NR	12/9/2003	1326	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	DS309-A1
3-7E	DS310-A1	NR	12/9/2003	1250	<1.0	1.8	135	77.0	2.5	<1.0	DS310-A1
3-7E	DS311-A1	NR	12/9/2003	1300	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	DS311-A1
3-7E	DS312-A1	1	12/9/2003	1315	<0.5	<0.5	1.0	<0.5	0.8	<0.5	DS312-A1
3-7E	DS312-A2	2	12/9/2003	1315	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	DS312-A2
3-7E	DS313-A1	1	12/9/2003	1330	<0.5	<0.5	2.8	<0.5	<0.5	<0.5	DS313-A1
3-7E	DS313-A2	2	12/9/2003	1330	<1.0	<1.0	3.0	<1.0	<1.0	<1.0	DS313-A2
3-4W	DS317-A1	1	12/9/2003	1134	<10.0	76.1	>5,000	4,290	<10.0	<10.0	DS317-A1
3-4W	DS317-A1	1, MA	12/9/2003	1134	<50.0	<50.0	6,700	3,250	<50.0	<50.0	DS317-A1
3-4W	DS317-A1	1, MA	12/9/2003	1137	<25.0	73.6	6,470	3,410	<25.0	<25.0	DS317-A1

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

VOCs, volatile organic compounds; [µg/L, micrograms per liter; NR, no replicate sample analyzed; <, less than; >, greater than; MA, multiple analyses from the same sample (see footnote D at bottom of table); See laboratory qualifiers description at bottom of table; --, compound was not analyzed in the sample; NA, not applicable; WB PDS, West Branch Canal Creek passive-diffusion bag sample; WB PEEPER, West Branch Canal Creek peeper sample; WB SW, West Branch Canal Creek surface-water sample]

					Chlorinated Methanes				Additional VOCs		
Seep	Sample name	Replicate	Collection date	Collection time	Chloro-methane (µg/L)	Methylene chloride (µg/L)	Chloroform (µg/L)	Carbon tetrachloride (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Sample name
3-4W	DS318-A1	1	12/9/2003	1137	<10.0	18.4	357	<10.0	<10.0	<10.0	DS318-A1
3-4W	DS318-A2	2	12/9/2003	1137	<1.0	15.8	321	<1.0	2.6	<1.0	DS318-A2
3-4W	DS319-A1	NR	12/9/2003	1140	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	DS319-A1
3-4W	DS320-A1	1	12/9/2003	1145	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	DS320-A1
3-4W	DS320-A2	2	12/9/2003	1145	<0.5	<0.5	<0.5	<0.5	1.9	2.2	DS320-A2
3-4W	DS321-A1	1	12/9/2003	1148	<10.0	91.9	>5,000	>5,000	<10.0	<10.0	DS321-A1
3-4W	DS321-A1	1, MA	12/9/2003	1148	<50.0	<50.0	10,400	7,000	<50.0	<50.0	DS321-A1
3-4W	DS322-A1	NR	12/9/2003	1115	<100	136	15,300	5,840	<100	<100	DS322-A1
3-4W	DS323-A1	1, MA	12/9/2003	1154	<50.0	278	3,530	<50.0	<50.0	<50.0	DS323-A1
3-4W	DS323-A1	1, MA	12/9/2003	1154	<25.0	250	3,230	56.7	<25.0	<25.0	DS323-A1
3-4W	DS324-A1	1	12/9/2003	1157	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	DS324-A1
3-4W	DS324-A2	2	12/9/2003	1157	<1.0	<1.0	<1.0	<1.0	3.1	5.8	DS324-A2
3-4W	DS325-A1	NR	12/9/2003	1200	<10.0	32.0	>5,000	3,880	<10.0	<10.0	DS325-A1
3-4W	DS325-A1	MA	12/9/2003	1200	<25.0	26.2	7,090	3,700	<25.0	<25.0	DS325-A1
3-4W	DS326-A1	NR	12/9/2003	1203	<100	<100	13,600	4,560	<100	<100	DS326-A1
3-4W	DS327-A1	NR	12/9/2003	1206	<100	<100	11,900	16,600	<100	<100	DS327-A1
3-4W	DS328-A1	NR	12/9/2003	1210	<10.0	215	508	<10.0	12.6	<10.0	DS328-A1
3-4W	DS329-A1	1	12/9/2003	1213	<0.5	12.9	>250	>250	1.5	0.9	DS329-A1
3-4W	DS329-A2	2	12/9/2003	1213	<2.5	13.8	795	435	<2.5	<2.5	DS329-A2
3-4W	DS330-A1	1	12/9/2003	1216	<0.5	2.5	>250	19.5	2.9	1.0	DS330-A1
3-4W	DS330-A2	2	12/9/2003	1216	<1.7	2.9	445	17.2	3.2	<1.7	DS330-A2
3-4W	DS331-A1	1	12/9/2003	1219	7.4	72.9	>250	>250	5.6	1.5	DS331-A1
3-4W	DS331-A2	2	12/9/2003	1219	<50.0	<50.0	7,100	1,350	<50.0	<50.0	DS331-A2
3-4W	DS331-A2	2, MA	12/9/2003	1219	<25.0	61.0	6,910	1,490	<25.0	<25.0	DS331-A2
3-4W	DS332-A1	NR	12/9/2003	1222	<0.5	<0.5	0.8	<0.5	3.0	<0.5	DS332-A1
	WBCC-TB	NR	12/9/2003	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	WBCC-TB

Appendix 3B. Concentrations of chlorinated methanes and additional volatile organic compounds for passive-diffusion bag samples, peepers, and surface-water samples in the West Branch Canal Creek study area, Aberdeen Proving Ground, Maryland, March 2002 to December 2003.—Continued

[D] MA indicates that multiple samples have been analyzed from the same sample bottle. Concentrations of samples marked as multiple analysis samples may have lower concentrations due to volatilization of constituents out of the water sample and into head space introduced into the sample bottle after the first aliquot is removed from the sample bottle.

Laboratory Qualifiers:

B indicates compound was detected in the associated field (equipment) blank. Concentrations in the sample may be biased high based on the analyte concentration in the blank.

X indicates that the recommended 14-day holding time was exceeded for this sample, which could result in losses for some or all compounds.

V indicates possible positive bias due to suspected laboratory contamination.

H Indicates possible positive bias based on an unacceptably high response for this compound in one or more calibration checks for this batch of samples.

L indicates possible negative bias based on an unacceptably low response for this compound in one or more calibration checks for this batch of samples.

E indicates estimated concentration.

NV indicates that library check was performed but did not verify compound identity based on criteria of greater than or equal to 40 percent quality match.