SDMS US EPA REGION V -1

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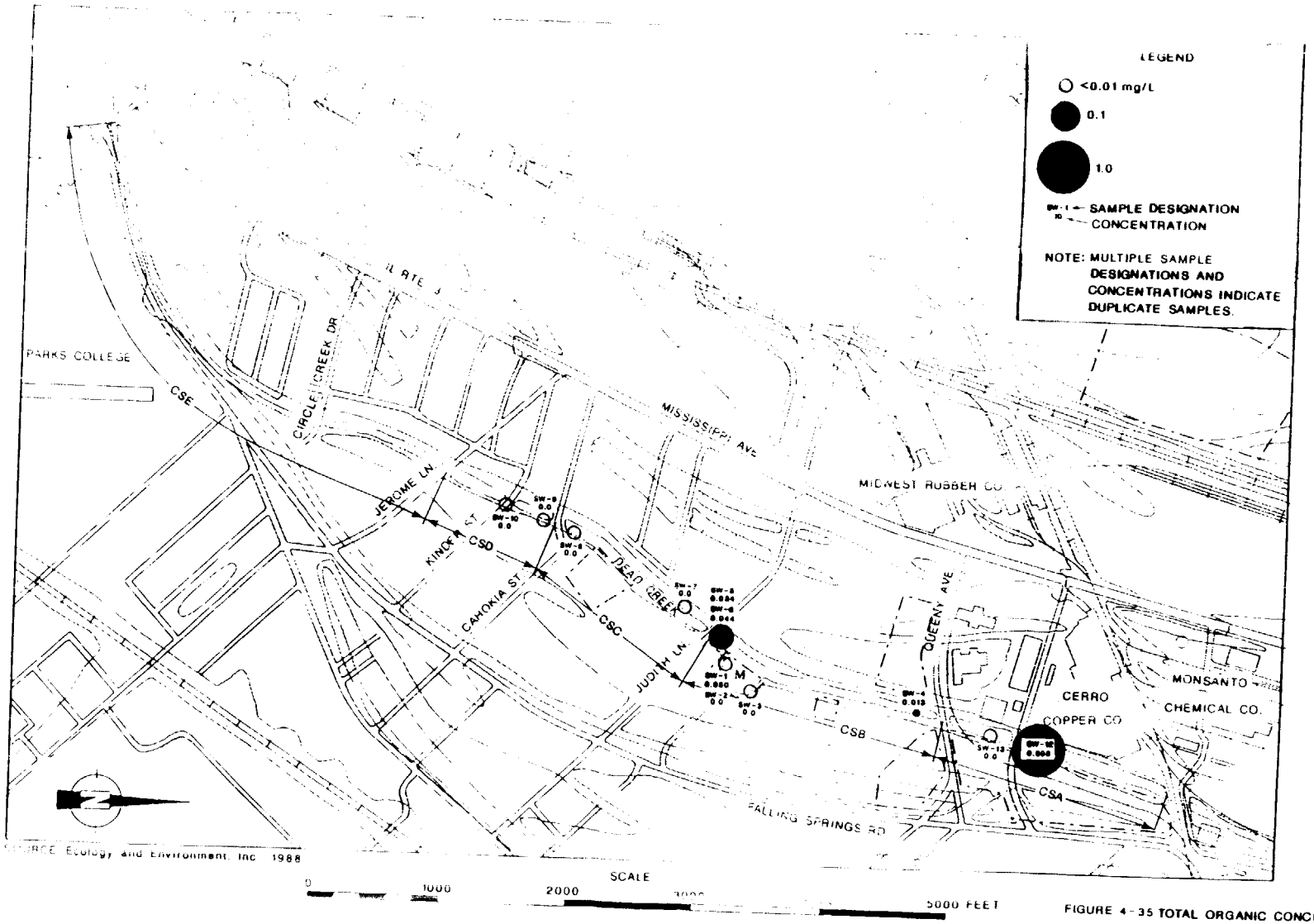
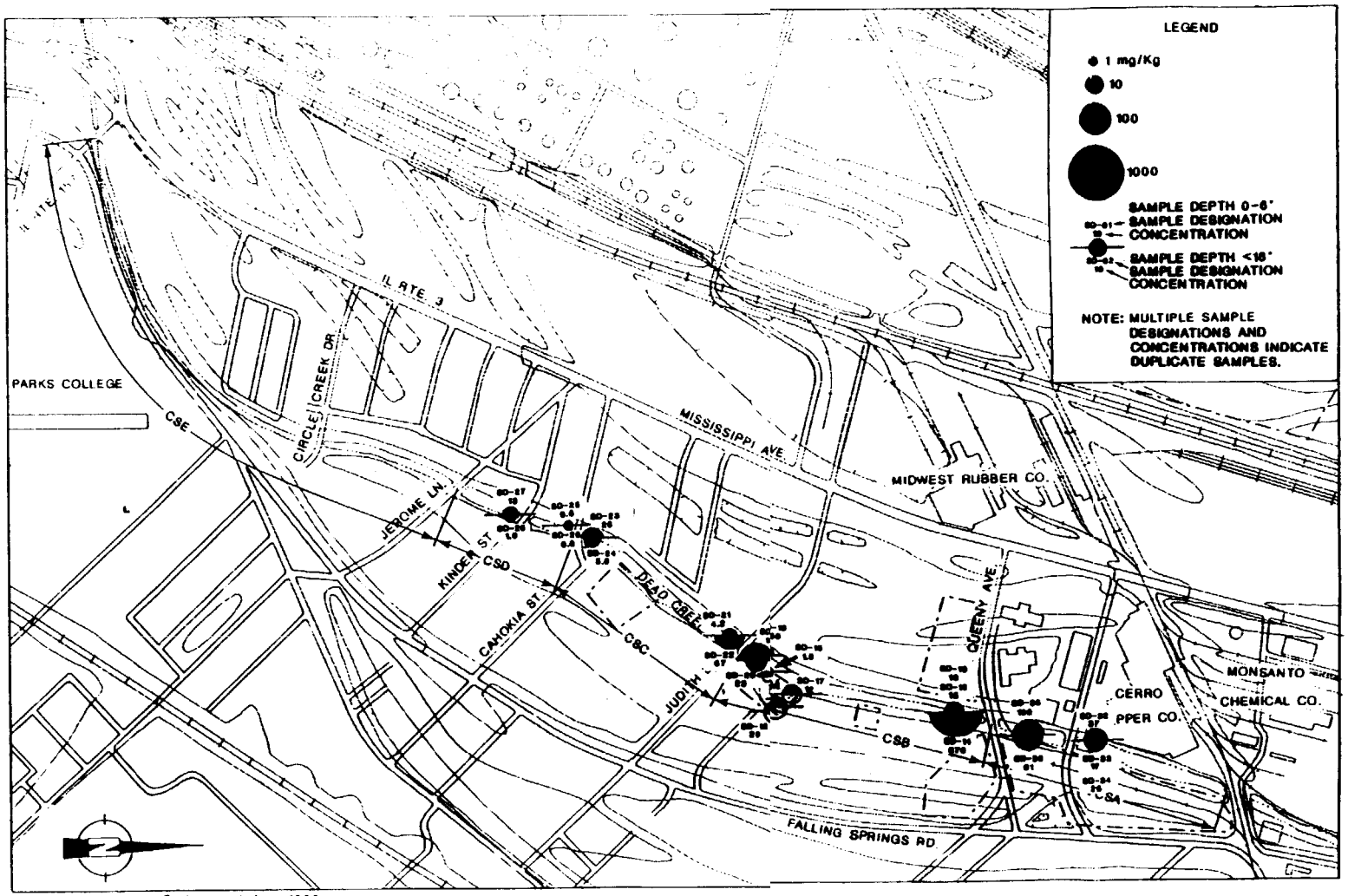


FIGURE 4-35 TOTAL ORGANIC CONCENTRATIONS IN SURFACE WATER SAMPLES AT DCP



SOURCE: Ecology and Environment, Inc., 1988.

SCALE

0 1000 2000 3000 4000 5000 FEET

FIGURE 4-36 TOTAL ORGANIC CONCENTRATIONS IN SEDIMENT SAMPLES AT DCP

Table 4-9

SUMMARY OF ORGANIC CONTAMINATION OF SEDIMENT SAMPLES

Chemical Name	Number of Times Detected*	Highest Concentrations Detected (mg/kg)	Sample Containing Highest Concentration	Location of Highest Concentration
Volatile Organics				
chlorobenzene	2	5.2	SD-14	CS-B
Semivolatile Organics				
1,4-dichlorobenzene	7	220	SD-14	CS-B
1,2-dichlorobenzene	3	17	SD-14	CS-B
1,2,4-trichlorobenzene	9	5.4	SD-14	CS-B
naphthalene	7	9.4	SD-14	CS-B
methylnaphthalene	3	8.4	SD-14	CS-B
1,3-dichlorobenzene	3	0.55	SD-36	CS-A
pentachlorophenol	3	0.94J	SD-19	CS-B
pyrene	10	13J	SD-14	CS-B
benzo(a)pyrene	13	4.5	SD-22	CS-C
benzo(a)anthracene	5	3.3	SD-22	CS-C
dibenzo(a,h)anthracene	10	4	SD-22	CS-C
benzo(b)fluoranthene	10	7.5	SD-22	CS-C
Pesticides/PCBs				
Aroclor 1242	1	20	SD-16	Site M
Aroclor 1248	8	480	SD-14	CS-B
Aroclor 1254	14	141	SD-19	CS-B
Aroclor 1260	14	66	SD-14	CS-B
endrin	1	0.58	SD-25	CS-D

* A total of 21 sediment samples were collected. The numbers listed indicate the number of samples, of the total of 21, in which each compound was detected.

J Estimated value. Result is greater than zero, but less than specified detection limit.

Source: Ecology and Environment, Inc. 1988.

Surface Water Volatiles

SITE	SITE M	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS-D	CS-D		CS-A	CS-A
SAMPLE NUMBER	DC-SW-01 +	DC-SW-02	DC-SW-03	DC-SW-04	DC-SW-05	DC-SW-06 B	DC-SW-07	DC-SW-08	DC-SW-09	DC-SW-10	DC-SW-11 +	DC-SW-12	DC-SW-13
DATE	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-6-86	11-6-86
1 Chloromethane		—											
2 Bromomethane													
3 Vinyl Chloride													
4 Chloroethane		—											
5 Methylene Chloride	6 B		3 BJ	3 BJ	3 BJ	3 BJ	3 BJ	3 BJ	6 B	5 B	7 B	6 B	4 BJ	4
6 Acetone	12 B	—		7 BJ	9 BJ	12 B	11 B	13 B	13 B	11 B	11 B	17 B	24 B	6
7 Carbon Disulfide														
8 1,1-Dichloroethene		—												
9 1,1-Dichloroethane														3
10 trans-1,2-Dichloroethene														
11 Chloroform	27	—										25	8	7
12 1-2-Dichloroethane														
13 2-Butanone (MEK)														
14 1,1,1-Trichloroethane													33	41
15 Carbon Tetrachloride														31
16 Vinyl Acetate														
17 Bromodichloromethane														
18 1,2-Dichloropropane														
19 trans-1,3-Dichloropropene														
20 Trichloroethene													6	16
21 Dibromochloromethane														
22 1,1,2-Trichloroethane														
23 Benzene													1 J	
24 cis-1,3-Dichloropropene														
25 2-Chloroethyl Vinyl Ether														
26 Bromoform														
27 4-Methyl-2-pentanone													6 J	
28 2-Hexanone														
29 Tetrachloroethene														
30 1,1,2,2-Tetrachloroethane														
31 Toluene														
32 Chlorobenzene													2 J	
33 Ethylbenzene														
34 Styrene														
35 Total Xylenes													2 J	

Surface Water Semivolatiles

SITE	BLANK	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS D	CS-D	BLANK	CS-A	CS-A
SAMPLE NUMBER	DC-SW-01 +	DC-SW-02	DC-SW-03	DC-SW-04	DC-SW-05	DC-SW-06 B	DC-SW-07	DC-SW-08	DC-SW-09	DC-SW-10	DC-SW-11 +	DC-SW 12 +	DC SW 13
DATE	11-5-86	11-5-86	11-5 86	11 5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-6-86	11-6-86	11-6-86
1 Phenol													
2 bis(2-Chloroethyl)ether													
3 2-Chlorophenol													
4 1,3-Dichlorobenzene													
5 1,4-Dichlorobenzene													
6 Benzyl Alcohol													
7 1,2-Dichlorobenzene													
8 2-Methylphenol													
9 bis(2-Chloroisopropyl) ether													
10 4-Methylphenol													
11 N-Nitroso-n-Dipropylamine													
12 Hexachloroethane													
13 Nitrobenzene													
14 Isophorone													
15 2-Nitrophenol													
16 2,4-Dimethylphenol													
17 Benzoic Acid													
18 bis-(2-Chloroethoxy)methane													
19 2,4-Dichlorophenol													
20 1,2,4-Trichlorobenzene													
21 Naphthalene													
22 4-Chloroaniline													3 J
23 Hexachlorobutadiene													
24 4-Chloro-3-methylphenol													
25 2-Methylnaphthalene													
26 Hexachlorocyclopentadiene													
27 2,4,6-Trichlorophenol													
28 2,4,5-Trichlorophenol													
29 2-Chloronaphthalene													
30 2-Nitroaniline				9 J									

Surface Water Semivolatiles

	SITE	BLANK	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS-D	CS-D	BLANK	CS-A	CS-A
	SAMPLE NUMBER	DC-SW-01 +	DC-SW-02	DC-SW-03	DC-SW-04	DC-SW-05	DC-SW-06 +	DC-SW-07	DC-SW-08	DC-SW-09	DC-SW-10	DC-SW-11 +	DC-SW-12	DC-SW-13
	DATE	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-6-86	11-6-86	11-6-86
1	Dimethyl Phthalate													
2	Acenaphtylene													
3	3-Nitroaniline													
4	Acenaphthene													
5	2,4-Dinitrophenol													
6	4-Nitrophenol													
7	Dibenzofuran													
8	2,4-Dinitrotoluene													
9	2,6-Dinitrotoluene													
10	Diethylphthalate							1 J						
11	4-Chlorophenyl-Phenylether													
12	Fluorene													
13	4-Nitroaniline													
14	4,6-Dinitro-2-methylphenol													
15	N-Nitrosodiphenylamine													
16	4-Bromophenyl-phenylether													
17	Hexachlorobenzene													
18	Pentachlorophenol													
19	Phenanthrene												4 J	
20	Anthracene													
21	Di-n-butyl phthalate	15 B	26 B	25 B	18 B	15 B	16 B	19 B	19 B	19 B	20 B	17 B	5 BJ	27 B
22	Fluoranthene													
23	Pyrene													
24	Butyl Benzyl phthalate												12 J	
25	3,3'-Dichlorobenzidine													
26	Benzo(a)Anthracene													
27	bis(2-ethylhexyl) phthalate												7 J	5 J
28	Chrysene													
29	Di-n-octyl phthalate		4 J	2 J							1 J		36 J	1 J
30	Benzo(b)Fluoranthene													
31	Benzo(k)Fluoranthene													
32	Benzo(a)Pyrene													
33	Indeno(1,2,3-cd)Pyrene													
34	Benzo(g,h,i)Perylene													
35	Dibenz(a,h)Anthracene													

Surface Water Pest/PCBs

SITE	BLANK	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS-D	CS-D	BLANK	CS-A	CS-A
SAMPLE NUMBER	DC-SW-01 +	DC-SW-02	DC-SW-03	DC-SW-04	DC-SW-05	DC-SW-06 *	DC-SW-07	DC-SW-08	DC-SW-09	DC-SW-10	DC-SW-11 +	DC-SW-12	DC-SW-13
DATE	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-6-86	11-6-86	11-6-86
1 Alpha-BHC													
2 Beta-BHC													
3 Delta-BHC													
4 Gamma-BHC (Lindane)													
5 Heptachlor													
6 Aldrin													
7 Heptachlor Epoxide													
8 Edosulfan I													
9 Dieldrin													
10 4,4'-DDE													
11 Endrin													
12 Edosulfan II													
13 4,4'-DDD													
14 Endosulfan Sulfate													
15 4,4'-DDT													
16 Methoxychlor													
17 Endrin Ketone													
18 Chlordane													
19 Toxaphene													
20 AROCLOR-1016													
21 AROCLOR-1221													
22 AROCLOR-1232													
23 AROCLOR-1242													
24 AROCLOR-1248													
25 AROCLOR-1254													
26 AROCLOR-1260				3.6	34	44							

Surface-Water Inorganic

	SITE	BLANK	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS-B	CS-B	BLANK	CS-A	CS-A
	SAMPLE NUMBER	DC-SW-01 +	DC-SW-02	DC-SW-03	DC-SW-04	DC-SW-05	DC-SW-06 +	DC-SW-07	DC-SW-08	DC-SW-09	DC-SW-10	DC-SW-11 +	DC-SW-12	DC-SW-13
	DATE	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-6-86	11-6-86
1	Aluminum		464		1090	204	9080		767	5000	1190	323	354	294
2	Antimony												115	
3	Arsenic						31							
4	Barium		200				7130			274				
5	Beryllium													
6	Boron													
7	Cadmium						25			8.1			75	23
8	Chromium, trivalent		14				99			12			81	65
9	Cobalt													
10	Copper		51	46	660	239	17900	226	84	619	57		7030	2410
11	Iron	255	937	350	1510	495	24500	528	2790	7470	1570		2040	724
12	Lead		6.4		77	17	1300	710	30	89	36		3060	76
13	Manganese		97	95	188	66	222	141	234	196	28		68	252
14	Mercury				8.6			1.9	0.2	0.26			0.59	0.2
15	Nickel		46				1500	83		189			2600	667
16	Selenium													
17	Silver												16	
18	Thallium													
19	Tin						60		40				499	
20	Vanadium													
21	Zinc		186	73	404	302	10300	537	247	1090	185		1450	480
22	Cyanide													

Sediment Volatiles

	SITE	CS-B	CS-B	SITE M	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS-C	CS-C	CS-D	CS-D
	SAMPLE NUMBER	DC-SD-13	DC-SD-14	DC-SD-15	DC-SD-16	DC-SD-17	DC-SD-18	DC-SD-19	DC-SD-20	DC-SD-21	DC-SD-22	DC-SD-23	DC-SD-24	DC-SD-25	DC-SD
	SAMPLE DEPTH	0-6"	2'-3'	0-6"	0-6"	0-6"	0-6"	0-6"	1.5-2'	0-6"	2-2.5	0-6"	2-2.5	0-6"	1.5
	DATE SAMPLED	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-
1	Chloroethane														
2	Bromoethane														
3	Vinyl Chloride														
4	Chloroethane														
5	Methylene Chloride	11000 B	2200 B	7800 B	10000 B	8400 B	12000 B	13000 B	14000 B	19000 B	18000 B	27000 B	17000 B	23000 B	19
6	Acetone	15000 B	820	4900 B	5100 B	5600 B	4100 JB	10000 B	6100 B	6400 B	9900 B	15000 B	7300 B	18000 B	9
7	Carbon Disulfide														
8	1,1-Dichloroethene														
9	1,1-Dichloroethane														
10	trans-1,2-Dichloroethene														
11	Chloroform														
12	1-2-Dichloroethane														
13	2-Butanone (MEK)	21000 B	510	11000	14000	13000	14000	14000	10000 B	11000 B	14000 B	22000 B	12000 B	21000 B	16
14	1,1,1-Trichloroethane														
15	Carbon Tetrachloride														
16	Vinyl Acetate														
17	Bromodichloromethane														
18	1,2-Dichloropropane														
19	trans-1,3-Dichloropropene														
20	Trichloroethene														
21	Dibromochloromethane														
22	1,1,2-Trichloroethane														
23	Benzene		87 J												
24	cis-1,3-Dichloropropene														
25	2-Chloroethyl Vinyl Ether														
26	Bromoform														
27	4-Methyl-2-pentanone		220 J												
28	2-Hexanone							52000 B			1200 J				
29	Tetrachloroethene														
30	1,1,2,2-Tetrachloroethane														
31	Toluene		810												
32	Chlorobenzene		5200												
33	Ethylbenzene		3600												
34	Styrene														
35	Total Xylenes		990												

Sediment Volatiles

	SITE	CS-B	BLANK	BLANK	CS-A	CS-A	CS-A	CS-A	CS-A
	SAMPLE NUMBER	DC-SB-28	DC-SB-29 *	DC-SB-31 *	DC-SB-32	DC-SB-33 *	DC-SB-34 *	DC-SB-35	DC-SB-36
	SAMPLE DEPTH	1.5'-2'			1.5'-2'	0-6"	0-6"	0-6"	1.5'-2'
	DATE SAMPLED	11-5-86	11-5-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86
1	Chloroethane								
2	Bromoethane								
3	Vinyl Chloride								
4	Chloroethane								
5	Methylene Chloride	20000 B	15000 B	14000 B	14000 B	6300 B	6600 B	8800 B	7200 B
6	Acetone	7400 B	6200 B	4700 B	11000 B	12000 B	5300 B	23000 B	6800 B
7	Carbon Disulfide								
8	1,1-Dichloroethene								
9	1,1-Dichloroethane								
10	trans-1,2-Dichloroethene								
11	Chloroform								
12	1-2-Dichloroethane								
13	2-Butanone (MEK)	15000 B	11000 B	5400 B	12000 B	11000 B	9200 B		12000 B
14	1,1,1-Trichloroethane								
15	Carbon Tetrachloride								
16	Vinyl Acetate								
17	Bromodichloromethane								
18	1,2-Dichloropropane								
19	trans-1,3-Dichloropropene								
20	Trichloroethene								
21	Dibromochloromethane								
22	1,1,2-Trichloroethane								
23	Benzene								
24	cis-1,3-Dichloropropene								
25	2-Chloroethyl Vinyl Ether								
26	Bromoform								
27	4-Methyl-2-pentanone								
28	2-Hexanone						930 JB		
29	Tetrachloroethene								
30	1,1,2,2-Tetrachloroethane								
31	Toluene								
32	Chlorobenzene								480 J
33	Ethylbenzene								
34	Styrene								
35	Total Xylenes								

Sediment Semivolatiles

SITE	CS-B	CS-B	SITE M	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS-C	CS-C	CS-D	CS-D
SAMPLE NUMBER	DC-SD-13 B	DC-SD-14	DC-SD-15	DC-SD-16	DC-SD-17	DC-SD-18 B	DC-SD-19	DC-SD-20	DC-SD-21	DC-SD-22	DC-SD-23	DC-SD-24	DC-SD-25	DC-SD-26
SAMPLE DEPTH	0-6"	2"-5"	0-6"	0-6"	0-6"	0-6"	0-6"	1.5"-2	0-6"	2"-2.5	0-6"	2"-2.5	0-6"	1.5"-2
DATE SAMPLED	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86
1 Phenol											500 J	81 J		
2 bis(2-Chloroethyl)ether														
3 2-Chlorophenol														
4 1,3-Dichlorobenzene										110 J				
5 1,4-Dichlorobenzene		220000					130 J			690 J				
6 Benzyl Alcohol														
7 1,2-Dichlorobenzene		17000 J												
8 2-Methylphenol														
9 bis(2-Chloroisopropyl) ether														
10 4-Methylphenol														
11 N-Nitroso-n-Dipropylamine														
12 Hexachloroethane														
13 Nitrobenzene														
14 Isophorone														
15 2-Nitrophenol														
16 2,4-Dimethylphenol														
17 Benzoic Acid														
18 bis-(2-Chloroethoxy)methane														
19 2,4-Dichlorophenol														
20 1,2,4-Trichlorobenzene		5400 J					390 J	76 J		260 J	130 J	64 J		
21 Naphthalene	400 J	9500 J				190 J	120 J			330 J	100 J			
22 4-Chloroaniline														
23 Hexachlorobutadiene														
24 4-Chloro-3-methylphenol														
25 2-Methylnaphthalene		8400 J								100 J				
26 Hexachlorocyclopentadiene														
27 2,4,6-Trichlorophenol														
28 2,4,5-Trichlorophenol														
29 2-Chloronaphthalene														
30 2-Nitroaniline														

Sediment Semivolatiles

	SITE	CS-B	CS-B	BLANK	BLANK	CS-A	CS-A	CS-A	CS-A	CS-A
	SAMPLE NUMBER	DC-SD-27	DC-SD-28	DC-SD-29 *	DC-SD-31 *	DC-SD-32	DC-SD-33 *	DC-SD-34 *	DC-SD-35	DC-SD-36
	SAMPLE DEPTH	0-6"	1.5'-2'			1.5'-2'	0-6"	0-6"	0-6"	1.5'-2'
	DATE SAMPLED	11-5-86	11-5-86	11-5-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86
1	Phenol									
2	bis(2-Chloroethyl)ether									
3	2-Chlorophenol									
4	1,3-Dichlorobenzene					160 J				550 J
5	1,4-Dichlorobenzene					1000		410 J	130 J	2900
6	Benzyl Alcohol									
7	1,2-Dichlorobenzene					480	270 J			
8	2-Methylphenol									
9	bis(2-Chloroisopropyl) ether									
10	4-Methylphenol									
11	N-Nitroso-n-Dipropylamine									
12	Hexachloroethane									
13	Nitrobenzene									
14	Isophorone									
15	2-Nitrophenol									
16	2,4-Dimethylphenol									
17	Benzoic Acid									
18	bis-(2-Chloroethoxy)methane									
19	2,4-Dichlorophenol									
20	1,2,4-Trichlorobenzene					500			90 J	1500 J
21	Naphthalene								130 J	
22	4-Chloroaniline								1000 J	
23	Hexachlorobutadiene									
24	4-Chloro-3-methylphenol									
25	2-Methylnaphthalene							450 J		
26	Hexachlorocyclopentadiene									
27	2,4,6-Trichlorophenol									
28	2,4,5-Trichlorophenol									
29	2-Chloronaphthalene									
30	2-Nitroaniline									

Sediment Semivolatiles

SITE	CB B	CB B	SITE M	SITE M	SITE M	CB B	CB B	CB B	CB C	CB C	CB C	CB C	CB D	CB D
SAMPLE NUMBER	DC-SD-13 B	DC-SD-14	DC-SD-15	DC-SD-16	DC-SD-17	DC-SD-18 B	DC-SD-19	DC-SD-20	DC-SD-21	DC-SD-22	DC-SD-23	DC-SD-24	DC-SD-25	DC-SD-26
SAMPLE DEPTH	0-6"	2-3'	0-6"	0-6"	0-6"	0-6"	0-6"	1.5-2	0-6"	2-2.5'	0-6"	2-2.5	0-6"	1.5-2
DATE SAMPLED	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86
1 Dimethyl Phthalate														
2 Acenaphtylene														
3 3-Nitroaniline														
4 Acenaphthene										130 J				
5 2,4-Dinitrophenol														
6 4-Nitrophenol		2600 J												
7 Dibenzofuran														
8 2,4-Dinitrotoluene														
9 2,6-Dinitrotoluene														
10 Diethylphthalate														
11 4-Chlorophenyl-Phenylether														
12 Fluorene		3900 J								370 J				
13 4-Nitroaniline														
14 4,6-Dinitro-2-methylphenol														
15 N-Nitrosodiphenylamine														
16 4-Bromophenyl-phenylether														
17 Hexachlorobenzene							1900	210 J						
18 Pentachlorophenol							940 J	370 J						
19 Phenanthrene		15000 J							280 J	810 J		220 J		
20 Anthracene										500 J				
21 Di-n-butyl phthalate			580 B	570 BJ	560 J	300 J		280 J				120 J	130 J	79 J
22 Fluoranthene		11000 J								4600		370 J		130 J
23 Pyrene		13000 J				1400 J		91 J	440 J	4500		290 J		120 J
24 Butyl Benzyl phthalate						830 J								
25 3,3'-Dichlorobenzidine														
26 Benzo(a)Anthracene						430 J			380 J	3300	650 J	230 J		
27 bis(2-ethylhexyl) phthalate	9900 J	9500 J		540 J	150 J	5300		95 J	740 J		660 J			72 J
28 Chrysene						1200 J		180 J	550 J	4400	1000	360 J		83 J
29 Di-n-octyl phthalate		2600 J	120 J	270 J		940 J		96 J		170 J				
30 Benzo(b)Fluoranthene		3400 J					2400			7500	2000	1000		200 J
31 Benzo(k)Fluoranthene	720 J					1500 J		410 J	920	660 J				
32 Benzo(a)Pyrene	1100 J	1800 J				490 J	310 J	95 J	480 J	4500	940	350 J		86 J
33 Indeno(1,2,3-cd)Pyrene						850 J	1400 J	200 J	590 J	4300	1700	530 J		100 J
34 Benzo(g,h,i)Perylene							390 J			1500 J	640 J	110 J		
35 Dibenz(a,h)Anthracene						1400 J	1800	210 J	550 J	4000	1700	470 J		91 J

Sediment Semivolatiles

	SITE	CS-B	CS-D	BLANK	BLANK	CS-A	CS-A	CS-A	CS-A	CS-A
	SAMPLE NUMBER	DC-SD-27	DC-SD-28	DC-SD-29 +	DC-SD-31 +	DC-SD-32	DC-SD-33 +	DC-SD-34 +	DC-SD-35	DC-SD-36
	SAMPLE DEPTH	0-6"	1.5'-2'			1.5'-2'	0-6"	0-6"	0-6"	1.5'-2'
	DATE SAMPLED	11-5-86	11-5-86	11-5-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86
1	Dimethyl Phthalate									
2	Acenaphtylene									
3	3-Nitroaniline									
4	Acenaphthene									170 J
5	2,4-Dinitrophenol									
6	4-Nitrophenol									
7	Dibenzofuran									
8	2,4-Dinitrotoluene									
9	2,6-Dinitrotoluene									
10	Diethylphthalate									
11	4-Chlorophenyl-Phenylether									
12	Fluorene									
13	4-Nitroaniline									
14	4,6-Dinitro-2-methylphenol									
15	N-Nitrosodiphenylamine					220 J				
16	4-Bromophenyl-phenylether									
17	Hexachlorobenzene					110 J			1100 J	
18	Pentachlorophenol								800 J	
19	Phenanthrene					190 J				
20	Anthracene									
21	Di-n-butyl phthalate									900 J
22	Fluoranthene								600 J	
23	Pyrene					110 J			1000 J	1400 J
24	Butyl Benzyl phthalate					520		2400 J		
25	3,3'-Dichlorobenzidine									
26	Benzo(a)Anthracene									
27	bis(2-ethylhexyl) phthalate					280 J	2200 J	2900	130 J	
28	Chrysene					110 J		710 J	1000 J	1700 J
29	Di-n-octyl phthalate	170 J				300 J	420 J	2900	8100	11000
30	Benzo(b)Fluoranthene	500 J						330 J	760 J	1000 J
31	Benzo(k)Fluoranthene									
32	Benzo(a)Pyrene	240 J							430 J	540 J
33	Indeno(1,2,3-cd)Pyrene	310 J							570 J	
34	Benzo(g,h,i)Perylene									
35	Dibenz(a,h)Anthracene	360 J							960 J	

Sediment Pest/PCBs

SITE	CS-B	CS-B	SITE M	SITE M	SITE M	CS-B	CS-B	CS-B	CS-C	CS-C	CS-C	CS-C	CS-B	CS-B	CS-B
SAMPLE NUMBER	DC-SD-13 B	DC-SD-14	DC-SD-15	DC-SD-16	DC-SD-17	DC-SD-18 B	DC-SD-19	DC-SD-20	DC-SD-21	DC-SD-22	DC-SD-23	DC-SD-24	DC-SD-25	DC-SD-26	DC-SD-27
SAMPLE DEPTH	0-6"	2'-3'	0-6"	0-6"	0-6"	0-6"	0-6"	1.5'-2'	0-6"	2'-2.5'	0-6"	2'-2.5	0-6"	1.5'-2	0-6"
DATE SAMPLED	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86
1 Alpha-BHC															
2 Beta-BHC															
3 Delta-BHC															
4 Gamma-BHC (Lindane)															
5 Heptachlor															
6 Aldrin															
7 Heptachlor Epoxide															
8 Edosulfan I															
9 Dieldrin															
10 4,4'-DDE															
11 Endrin													580		
12 Edosulfan II															
13 4,4'-DDD															
14 Endosulfan Sulfate															
15 4,4'-DDT															
16 Methoxychlor															
17 Endrin Ketone															
18 Chlordane															
19 Toxaphene															
20 AROCLOR-1016															
21 AROCLOR-1221															
22 AROCLOR-1232															
23 AROCLOR-1242				20000											
24 AROCLOR-1248		480000 C	660	8830	5200					8700					
25 AROCLOR-1254			670		4200		141000 C	16000 C		9300	11000	1600 J			7500
26 AROCLOR-1260	10300 J	66000 C	430 J		2700 J	7700	54000 JC	5600 JC		5000 J	7800 J				4500

Sediment Pest/PCBs

SITE	CS-D	BLANK	BLANK	CS-A	CS-A	CS-A	CS-A	CS-A
SAMPLE NUMBER	DC-SD-28	DC-SD-29 *	DC-SD-31 *	DC-SD-32	DC-SD-33 *	DC-SD-34 *	DC-SD-35	DC-SD-36
SAMPLE DEPTH	1.5'-2'			1.5'-2'	0-6"	0-6"	0-6"	1.5'-2'
DATE SAMPLED	11-5-86	11-5-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86	11-6-86
1 Alpha-BHC								
2 Beta-BHC								
3 Delta-BHC								
4 Gamma-BHC (Lindane)								
5 Heptachlor								
6 Aldrin								
7 Heptachlor Epoxide								
8 Edosulfan I								
9 Dieldrin								
10 4,4'-DDE								
11 Endrin								
12 Edosulfan II								
13 4,4'-DDD								
14 Endosulfan Sulfate								
15 4,4'-DDT								
16 Methoxychlor								
17 Endrin Ketone								
18 Chlordane								
19 Toraphene								
20 AROCLOR-1016								
21 AROCLOR-1221								
22 AROCLOR-1232								
23 AROCLOR-1242								
24 AROCLOR-1248				21000 C	7900	11000		
25 AROCLOR-1254	1900			13000 JC	6500	10600	71000 C	38000
26 AROCLOR-1260					2000 J	2200 J	24000 C	13000 J

Sediment Inorganic

	SITE	CS-D	CS-D	SITE N	SITE N	SITE N	CS-B	CS-B	CS-B	CS-C	CS-C	CS-C	CS-C	CS-D	CS-D	CS-D
	SAMPLE NUMBER	DC-SD-13 *	DC-SD-14	DC-SD-15	DC-SD-16	DC-SD-17	DC-SD-18 *	DC-SD-19	DC-SD-20	DC-SD-21	DC-SD-22	DC-SD-23	DC-SD-24	DC-SD-25	DC-SD-26	DC-SD-27
	SAMPLE DEPTH	0-6"	2'-3'	0-6"	0-6"	0-6"	0-6"	0-6"	1.5'-2'	0-6"	2'-2.5'	0-6"	2'-2.5'	0-6"	1.5'-2'	0-6"
	DATE SAMPLED	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86	11-5-86
1	Aluminum	4900	6380	6560	2430	7510	5380	9750	12900	12600	7530	8450	12600	11250	12500	6400
2	Antimony															
3	Arsenic	14 R	20 R	3.6 R	12 R	16 R	16 R	21	13 R	5.1 R	9 R	33 R	30 R	3.2 R	7.8 *	4.7 R
4	Barium	410	1110	156	131	196	467	17300	3120	376	570	1700	1010	239	622	214
5	Beryllium															
6	Boron															
7	Cadmium	22	36	1.5	11	8	24	30	8.2	17	34	27	42	12	42	23
8	Chromium, trivalent	62	153	15	37	53	79	118	113	41	60	54	68	33	48	34
9	Cobalt	6.6	9.2	7.7	7.2	5	6	11	6.9	7.5	10	6.6	7.2	5	12	
10	Copper	8740 *	6700 *	167 *	1270 *	1780 *	8640 *	15300 *	2610 *	580 *	5910 *	6640 *	2440 *	379 *	1630 *	1320 *
11	Iron	16400	19500	11100	26000	14400	16300	58200	21300	18400	18000	35800	50900	22800	40200	31300
12	Lead	853	931	26	65	71	983	1460	330	467	593	975	661	146	480	309
13	Manganese	197	153	100	97	139	218	82	70	177	98	161	151	190	273	178
14	Mercury	0.73	1.3	0.13	0.56	0	0.9	1.68	0.89	0.71	0.95	1.64	2.81	1	0.89	0.34
15	Nickel	56 R*	502 R*	356 R*	258 R*	309 R*	82	1520 R*	867 R*	116 R*	836 R*	1290 R*	748 R*	174 R*	665 R*	537 R*
16	Selenium	3.3	4.1				4	2					2.5			
17	Silver	10	11				14	15								
18	Thallium							4								
19	Tin	32	28		23			16								
20	Vanadium	23	27	19		19	24	48	25	32	22	27	36	37	32	
21	Zinc	3310	6650	868	872	1010	3410	11900	6610	1370	15600	6880	6430	1010	6590	2380
22	Cyanide		3.8													

SAMPLE NUMBER	DC-SB-28							
SAMPLE DEPTH	1.5'-2'							
DATE SAMPLED	11-5-86	11-5-86	11-6-86	11-6-86				
1 Aluminum	5870	11800	10300	8570				
2 Antimony	5.1 R	5.6 R	5.2 R	18 R	30 R	76 R	21 R	12 R
3 Arsenic	199	362	277	430	287	287	732	328
4 Barium								
5 Beryllium		2.5	2.1	18	25	22	31	17
6 Boron	5.6	15	13	34	102	121	206	75
7 Cadmium	13	5.8	5.4	8.9	3.2	27	27	11
8 Chromium, trivalent	6.4	35 B	31 B	2620 B	4630 B	3130 B	11400 B	10300 B
9 Cobalt	247 B	16600	15700	25000	37400	36100	36600	21900
10 Copper	15000	47	30	225	1900	2030	1600	910
11 Iron	44	412	384	123	69	66	296	153
12 Lead	191			2.81	4.06	5.42	3	1.18
13 Manganese	0.18	18 RB	19 RB	765 RB	310 RB	255 RB	559 RB	307 RB
14 Mercury	236 RB			3.3	3	3	33	13
15 Nickel				6	26	23		
16 Selenium					76	412	57	22
17 Silver				14	20	23	25	2740
18 Thallium				24	1510	1230	3420	
19 Tin		17	27	24	1590			
20 Vanadium		917	197	172				
21 Zinc								
22 Cyanide								