

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G005			DPSC-G008			DPSC-G021		
	Location Units	DPSC-G005 (Parent)	DPSC-G005-RE1	DPSC-G005 (Averaged)	DPSC-G008 (Parent)	DPSC-G508	DPSC-G008 (Averaged)	DPSC-G021 (Parent)	DPSC-G521	DPSC-G021 (Averaged)
<b>PCB Aroclors</b>										
Aroclor 1016	ug/kg	1 U	--	1 U	2.3 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1221	ug/kg	1 U	--	1 U	6.6 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1232	ug/kg	1 U	--	1 U	5.3 U	3.6 U	3.6 UT	1 U	1 U	1 UT
Aroclor 1242	ug/kg	1 U	--	1 U	3.6 U	3 U	3 UT	1 U	1 U	1 UT
Aroclor 1248	ug/kg	1 U	--	1 U	1 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1254	ug/kg	2.9	--	2.9	5.7	7.8	6.75 T	1 U	1 U	1 UT
Aroclor 1260	ug/kg	4	--	4	6.2	6.6	6.4 T	22	22	22 T
Aroclor 1262	ug/kg	1 U	--	1 U	1 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1268	ug/kg	2.6	--	2.6	1 U	1 U	1 UT	1 U	1 U	1 UT
Total Aroclors	ug/kg	--	--	9.5 T	--	--	13.2 T	--	--	22 T
<b>Butyltins</b>										
Butyltin ion	ug/kg	160	2.2	81.1 T	1.3 J	2.8 J	2.05 JT	0.04 U	0.53 U	0.04 UT
Dibutyltin ion	ug/kg	2600	1.8	1301 T	1.7 J	2.4	2.05 JT	0.41 J	0.34 J	0.375 JT
Tetrabutyltin	ug/kg	39	0.57 U	39 T	0.13 U	0.14 U	0.13 UT	0.093 U	0.1 U	0.093 UT
Tributyltin ion	ug/kg	3400	0.67 J	1700 JT	8.1	1.9 U	8.1 T	0.074 U	0.31 U	0.074 UT
Total Butyltins	ug/kg	--	--	3121 T	--	--	12.2 T	--	--	0.375 T
<b>Conventionals</b>										
Ammonia	mg/kg	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--
Total organic carbon	percent	0.68	--	0.68	1.32	1.61	1.47 T	0.55	0.74	0.645 T
Total solids	percent	75.2 T	82.5	78.8 T	56.4	53.2 T	54.8 T	75.6	69.5	72.6 T
<b>Dioxin/Furan Homologs</b>										
Heptachlorodibenzofuran homologs	pg/g	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofuran homologs	pg/g	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofuran homologs	pg/g	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofuran homologs	pg/g	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--	--	--	--	--	--
Total PCDD/F	pg/g	--	--	--	--	--	--	--	--	--
<b>Dioxins/Furans</b>										
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--

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**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G005			DPSC-G008			DPSC-G021		
	Location Units	DPSC-G005 (Parent)	DPSC-G005-RE1	DPSC-G005 (Averaged)	DPSC-G008 (Parent)	DPSC-G508	DPSC-G008 (Averaged)	DPSC-G021 (Parent)	DPSC-G521	DPSC-G021 (Averaged)
2,3,7,8-Tetrachlorodibenzofuran	pg/g	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	--	--	--	--	--	--	--	--	--
Dioxin/furan TCDD toxicity equivalent	pg/g	--	--	--	--	--	--	--	--	--
<b>EPH</b>										
C8-C10 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
<b>Grainsize (ASTM D422)</b>										
0.001MM	percent	--	--	--	--	--	--	--	--	--
0.005MM	percent	--	--	--	--	--	--	--	--	--
0.074MM	percent	--	--	--	--	--	--	--	--	--
19.0MM	percent	--	--	--	--	--	--	--	--	--
9.50MM	percent	--	--	--	--	--	--	--	--	--
Medium gravel	percent	--	--	--	--	--	--	--	--	--
Fine gravel	percent	--	--	--	--	--	--	--	--	--
Coarse sand	percent	--	--	--	--	--	--	--	--	--
Very coarse sand	percent	--	--	--	--	--	--	--	--	--
Medium sand	percent	--	--	--	--	--	--	--	--	--
Fine sand	percent	--	--	--	--	--	--	--	--	--
Very fine sand	percent	--	--	--	--	--	--	--	--	--
<b>Grainsize (Method PSEP)</b>										
Medium gravel	percent	74.5	--	74.5	0	0	0 T	51.6	71.4	61.5 T
Fine gravel	percent	3.62	--	3.62	0.35 J	0.07 J	0.21 JT	11.5	14.2	12.9 T
Very coarse sand	percent	3.39	--	3.39	0.81	0.73	0.77 T	10.4	7.14	8.77 T
Coarse sand	percent	5.51	--	5.51	0.75	0.87	0.81 T	11.5	8.88	10.2 T
Medium sand	percent	7.39	--	7.39	2.61	2.91	2.76 T	7.78	4.83	6.31 T
Fine sand	percent	5.9	--	5.9	23	25.9	24.5 T	2.06	1.62	1.84 T
Very fine sand	percent	1.57	--	1.57	32.5	35	33.8 T	1.7	1.07	1.39 T
Coarse silt	percent	1.12	--	1.12	21	22.3	21.65 T	2.26 J	0.88 J	1.57 JT
Medium silt	percent	1.37	--	1.37	7.1	7.82	7.46 T	1.8	1.31	1.56 T
Fine silt	percent	1.05	--	1.05	3.57	3.99	3.78 T	1.06	0.78	0.92 T
Very fine silt	percent	0.63	--	0.63	2.33	2.44	2.39 T	0.72	0.57	0.645 T
8-9 Phi clay	percent	0.48	--	0.48	1.85	1.81	1.83 T	0.6	0.38	0.49 T
>9 Phi clay	percent	0.46	--	0.46	2.24	2.31	2.28 T	0.35	0.3	0.325 T
<b>Metals</b>										
Aluminum	mg/kg	7930	--	7930	17900	15900	16900 T	6580 J	11200 J	8890 JT
Antimony	mg/kg	0.35	--	0.35	0.17	0.19	0.18 T	0.91	0.62	0.765 T
Arsenic	mg/kg	5.4	--	5.4	2.63	2.27	2.45 T	10 J	3.2 J	6.6 JT
Cadmium	mg/kg	0.143	--	0.143	0.209	0.192	0.201 T	0.248	0.177	0.213 T
Chromium	mg/kg	17.8	--	17.8	20	17.1	18.6 T	15.4	19.1	17.3 T
Copper	mg/kg	19.6	--	19.6	24.9	24.7	24.8 T	251 J	24.8 J	138 JT

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Analyte	Reduced Sample ID	DPSC-G005			DPSC-G008			DPSC-G021		
	Location Units	DPSC-G005 (Parent)	DPSC-G005-RE1	DPSC-G005 (Averaged)	DPSC-G008 (Parent)	DPSC-G508	DPSC-G008 (Averaged)	DPSC-G021 (Parent)	DPSC-G521	DPSC-G021 (Averaged)
Lead	mg/kg	197 J	--	197 J	14.6 J	13.7 J	14.2 JT	123 J	64.1 J	93.6 JT
Mercury	mg/kg	0.067	--	0.067	0.069	0.05	0.0595 T	0.021	0.027	0.024 T
Nickel	mg/kg	13.1	--	13.1	18.7	17.2	18.0 T	15.3 J	14.3 J	14.8 JT
Selenium	mg/kg	0.05	--	0.05	0.12 J	0.07 J	0.095 JT	0.02 U	0.03	0.03 T
Silver	mg/kg	0.238	--	0.238	0.289	0.294	0.292 T	0.074	0.064	0.069 T
Zinc	mg/kg	87.9	--	87.9	67.4	65.2	66.3 T	189	114	152 T
<b>PAHs (Method 8270C)</b>										
2-Methylnaphthalene	ug/kg	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--
<b>PAHs (Method 8270CSIM)</b>										
C1-Chrysene	ug/kg	53	--	53	35	29	32 T	20 J	36 J	28 JT
C1-Dibenzothiophenes	ug/kg	2.5 J	--	2.5 J	1.8 J	3.1	2.45 JT	0.21 U	9.5 J	9.5 JT
C1-Fluoranthene/pyrene	ug/kg	74	--	74	35	27	31 T	10 J	39 J	24.5 JT
C1-Fluorene	ug/kg	4	--	4	2.2 J	2.4 J	2.3 JT	0.5 UJ	5.1 J	5.1 JT
C1-Phenanthrene/anthracene	ug/kg	30	--	30	21	16	18.5 T	3.5 J	26 J	14.8 JT
C2-Chrysene	ug/kg	33	--	33	23	19	21 T	46	40	43 T
C2-Dibenzothiophenes	ug/kg	6.5	--	6.5	4	5.5	4.75 T	0.21 UJ	5.7 J	5.7 JT
C2-Fluoranthene/pyrene	ug/kg	42	--	42	20	18	19 T	21	23	22 T
C2-Fluorene	ug/kg	6.2	--	6.2	3.3	4.2	3.75 T	1.6 J	9.7 J	5.65 JT
C2-Naphthalene	ug/kg	6.8	--	6.8	5.1	7.1	6.1 T	2.6 J	9.6 J	6.1 JT
C2-Phenanthrene/anthracene	ug/kg	31	--	31	19	20	19.5 T	7.7 J	35 J	21.4 JT
C3-Chrysene	ug/kg	23	--	23	21	22	21.5 T	64	40	52 T
C3-Dibenzothiophenes	ug/kg	0.21 U	--	0.21 U	5.2	8.3	6.75 T	0.21 UJ	6.5 J	6.5 JT
C3-Fluoranthene/pyrene	ug/kg	21	--	21	13	14	13.5 T	31	25	28 T
C3-Fluorene	ug/kg	9.4	--	9.4	5.9	8	6.95 T	0.5 U	13 J	13 JT
C3-Naphthalene	ug/kg	4.9	--	4.9	3.7	6	4.85 T	1.9 J	8.7 J	5.3 JT
C3-Phenanthrene/anthracene	ug/kg	24	--	24	11	14	12.5 T	15 J	28 J	21.5 JT
C4-Chrysene	ug/kg	8	--	8	10	13	11.5 T	33 J	18 J	25.5 JT
C4-Naphthalene	ug/kg	4.5	--	4.5	3.6	4.4	4 T	0.37 UJ	12 J	12 JT
C4-Phenanthrene/anthracene	ug/kg	20	--	20	5.4 J	9.6 J	7.5 JT	13	17	15 T
1-Methylnaphthalene	ug/kg	3.4	--	3.4	3.4	3.4	3.4 T	0.87 J	3.2 J	2.04 JT
2-Methylnaphthalene	ug/kg	6.6	--	6.6	4.6	4.7	4.65 T	1.3 J	4.6 J	2.95 JT
Acenaphthene	ug/kg	4	--	4	16	24	20 T	0.32 J	1.5 J	0.91 JT

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Analyte	Reduced Sample ID	DPSC-G005			DPSC-G008			DPSC-G021		
	Location Units	DPSC-G005 (Parent)	DPSC-G005-RE1	DPSC-G005 (Averaged)	DPSC-G008 (Parent)	DPSC-G508	DPSC-G008 (Averaged)	DPSC-G021 (Parent)	DPSC-G521	DPSC-G021 (Averaged)
Acenaphthylene	ug/kg	13	--	13	1.1 J	1.9 J	1.5 JT	0.59 J	4 J	2.30 JT
Anthracene	ug/kg	17	--	17	16 J	9 J	12.5 JT	1.3 J	9.5 J	5.4 JT
Benzo(a)anthracene	ug/kg	63	--	63	41	22	31.5 T	4.3 J	37 J	20.7 JT
Benzo(a)pyrene	ug/kg	90	--	90	40 J	23 J	31.5 JT	7 J	63 J	35 JT
Benzo(b)fluoranthene	ug/kg	83	--	83	54 J	32 J	43 JT	9.7 J	80 J	44.9 JT
Benzo(e)pyrene	ug/kg	56	--	56	30	19	24.5 T	10 J	53 J	31.5 JT
Benzo(g,h,i)perylene	ug/kg	67	--	67	28	21	24.5 T	11 J	60 J	35.5 JT
Benzo(k)fluoranthene	ug/kg	29	--	29	20 J	10 J	15 JT	2.7 J	28 J	15.4 JT
Chrysene	ug/kg	65	--	65	47 J	27 J	37 JT	5.4 J	52 J	28.7 JT
Dibenzo(a,h)anthracene	ug/kg	11	--	11	6.9	4.2	5.55 T	2.5 J	15 J	8.75 JT
Dibenzothiophene	ug/kg	3.1	--	3.1	3.6	3.3	3.45 T	0.21 UJ	2.1 J	2.1 JT
Fluoranthene	ug/kg	61	--	61	92	58	75 T	8.3 J	62 J	35.2 JT
Fluorene	ug/kg	7	--	7	11	16	13.5 T	0.5 UJ	3.3 J	3.3 JT
Indeno(1,2,3-cd)pyrene	ug/kg	64	--	64	29	19	24 T	6.8 J	65 J	35.9 JT
Naphthalene	ug/kg	20	--	20	16	17	16.5 T	2.4 J	8.3 J	5.35 JT
Perylene	ug/kg	26	--	26	19	20	19.5 T	9.9 J	25 J	17.5 JT
Phenanthrene	ug/kg	41	--	41	72	53	62.5 T	3.8 J	37 J	20.4 JT
Pyrene	ug/kg	110	--	110	87	56	71.5 T	12 J	77 J	44.5 JT
Total HPAH	ug/kg	--	--	643 T	--	--	359 T	--	--	304 T
Total LPAH	ug/kg	--	--	109 T	--	--	131 T	--	--	40.6 T
Total PAHs	ug/kg	--	--	752 T	--	--	490 T	--	--	345 T
<b>Pesticides</b>										
2,4'-DDD	ug/kg	0.21	--	0.21	0.28 U	0.24 U	0.24 UT	1.1 J	0.91 J	1.01 JT
2,4'-DDE	ug/kg	0.16 U	--	0.16 U	0.18 U	0.19 U	0.18 UT	0.15 U	0.22 U	0.15 UT
2,4'-DDT	ug/kg	0.42	--	0.42	0.5 U	0.68	0.68 T	1.6 J	0.45 UJ	1.6 JT
4,4'-DDD	ug/kg	0.42	--	0.42	0.65	0.72	0.685 T	0.5 J	0.26 UJ	0.5 JT
4,4'-DDE	ug/kg	0.42 J	--	0.42 J	1.1	1.2	1.15 T	0.86 J	1 J	0.93 JT
4,4'-DDT	ug/kg	0.65	--	0.65	0.81	1.1 J	0.955 JT	2 J	1.7 UJ	2 JT
Total DDD	ug/kg	--	--	0.63 T	--	--	0.685 T	--	--	1.51 T
Total DDE	ug/kg	--	--	0.42 T	--	--	1.15 T	--	--	0.93 T
Total DDT	ug/kg	--	--	1.07 T	--	--	1.64 T	--	--	3.6 T
Total DDx	ug/kg	--	--	2.12 T	--	--	3.47 T	--	--	6.04 T
Aldrin	ug/kg	0.055 U	--	0.055 U	0.1 J	0.19 U	0.1 JT	0.079 J	0.068 J	0.0735 JT
alpha-Endosulfan	ug/kg	0.065 J	--	0.065 J	0.18 U	0.056 U	0.056 UT	0.2 U	0.2 U	0.2 UT
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	--	0.047 U	0.06 U	0.047 U	0.047 UT	0.047 U	0.047 U	0.047 UT
beta-Endosulfan	ug/kg	0.051 U	--	0.051 U	0.23 J	0.25 J	0.24 JT	0.16 J	0.15 J	0.155 JT
beta-Hexachlorocyclohexane	ug/kg	0.054 U	--	0.054 U	0.13 U	0.054 U	0.054 UT	0.054 U	0.054 U	0.054 UT
cis-Chlordane	ug/kg	0.032 U	--	0.032 U	0.31 J	0.19 U	0.31 JT	0.22 J	0.13 J	0.175 JT
cis-Nonachlor	ug/kg	0.31 U	--	0.31 U	0.5 U	0.5 U	0.5 UT	0.35 U	0.2 U	0.2 UT
delta-Hexachlorocyclohexane	ug/kg	0.037 U	--	0.037 U	0.037 U	0.037 U	0.037 UT	0.037 U	0.037 U	0.037 UT
Dieldrin	ug/kg	0.036 U	--	0.036 U	0.12 U	0.036 U	0.036 UT	0.036 U	0.036 U	0.036 UT
Endosulfan sulfate	ug/kg	0.11 J	--	0.11 J	0.18 U	0.19 U	0.18 UT	0.2 U	0.2 U	0.2 UT
Endrin	ug/kg	0.16 U	--	0.16 U	0.046 U	0.046 U	0.046 UT	0.046 U	0.046 U	0.046 UT
Endrin aldehyde	ug/kg	0.079 U	--	0.079 U	0.047 U	0.047 U	0.047 UT	0.047 U	0.047 U	0.047 UT
Endrin ketone	ug/kg	0.25 U	--	0.25 U	0.18 U	0.19 U	0.18 UT	0.36 U	0.41 U	0.36 UT
gamma-Hexachlorocyclohexane	ug/kg	0.043 U	--	0.043 U	0.18 U	0.19 U	0.18 UT	0.043 U	0.043 U	0.043 UT
Heptachlor	ug/kg	0.07 U	--	0.07 U	0.07 U	0.14 U	0.07 UT	0.07 U	0.07 U	0.07 UT
Heptachlor epoxide	ug/kg	0.23 J	--	0.23 J	0.18 U	0.19 U	0.18 UT	0.057 U	0.057 U	0.057 UT

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**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G005			DPSC-G008			DPSC-G021		
	Location Units	DPSC-G005 (Parent)	DPSC-G005-RE1	DPSC-G005 (Averaged)	DPSC-G008 (Parent)	DPSC-G508	DPSC-G008 (Averaged)	DPSC-G021 (Parent)	DPSC-G521	DPSC-G021 (Averaged)
Methoxychlor	ug/kg	0.054 U	--	0.054 U	0.18 U	0.14 U	0.14 UT	0.36 U	0.84 U	0.36 UT
Mirex	ug/kg	0.049 U	--	0.049 U	0.049 U	0.049 U	0.049 UT	0.049 U	0.049 U	0.049 UT
Oxychlorodane	ug/kg	0.054 U	--	0.054 U	0.18 U	0.19 U	0.18 UT	0.11 J	0.054 UJ	0.11 JT
Total Chlordanes	ug/kg	--	--	0.25 T	--	--	0.865 T	--	--	1.24 T
Total Endosulfans	ug/kg	--	--	0.175 T	--	--	0.24 T	--	--	0.155 T
Toxaphene	ug/kg	12 U	--	12 U	16 U	6.8 U	6.8 UT	33 U	31 U	31 UT
trans-Chlordane	ug/kg	0.25 J	--	0.25 J	0.37	0.4	0.385 T	0.68	0.57 J	0.625 JT
trans-Nonachlor	ug/kg	0.036 U	--	0.036 U	0.13 U	0.17 J	0.17 JT	0.19 UJ	0.33 J	0.33 JT
<b>Petroleum</b>										
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	30 J	--	30 J	36.5 JT	45 J	40.75 JT	33 J	26 J	29.5 JT
Residual Range Hydrocarbons (silica gel treated)	mg/kg	110 J	--	110 J	200 JT	240 J	220 JT	270 J	200 J	235 JT
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	--	--	140 T	--	--	261 T	--	--	265 T
<b>Phenols</b>										
2,3,4,5-Tetrachlorophenol	ug/kg	4.5 U	--	4.5 U	5.1 U	5.5 U	5.1 UT	4 U	4.4 U	4 UT
2,3,5,6-Tetrachlorophenol	ug/kg	5.6 U	--	5.6 U	6.2 U	6.8 U	6.2 UT	4.9 U	5.4 U	4.9 UT
2,4,5-Trichlorophenol	ug/kg	3.9 U	--	3.9 U	4.4 U	4.8 U	4.4 UT	3.5 U	3.8 U	3.5 UT
2,4,6-Trichlorophenol	ug/kg	4.1 U	--	4.1 U	4.6 U	5 U	4.6 UT	3.6 U	3.9 U	3.6 UT
2,4-Dichlorophenol	ug/kg	1 U	--	1 U	1 U	1 U	1 UT	--	10 U	10 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	17 U	--	17 U	17 U	17 U	17 UT	--	170 U	170 U
2-Chlorophenol	ug/kg	2 U	--	2 U	2 U	2 U	2 UT	--	20 U	20 U
2-Methylphenol	ug/kg	1.5 U	--	1.5 U	1.5 U	1.5 U	1.5 UT	--	15 U	15 U
2-Nitrophenol	ug/kg	1.5 U	--	1.5 U	1.5 U	1.5 U	1.5 UT	--	15 U	15 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	--	1.4 U	1.4 U	1.4 U	1.4 UT	--	14 U	14 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	--	1.4 U	1.4 U	1.4 U	1.4 UT	--	14 U	14 U
4-Methylphenol	ug/kg	1.5 U	--	1.5 U	8 J	6.3 J	7.15 JT	--	15 U	15 U
4-Nitrophenol	ug/kg	18 U	--	18 U	18 U	18 U	18 UT	--	180 U	180 U
Pentachlorophenol	ug/kg	5.3 U	--	5.3 U	5.9 U	6.4 U	5.9 UT	4.7 U	5.1 U	4.7 UT
Phenol	ug/kg	4.2 J	--	4.2 J	7.9 J	8.3 J	8.1 JT	22 J	20 UJ	22 JT
<b>Phthalates</b>										
Bis(2-ethylhexyl)phthalate	ug/kg	100	--	100	470	420	445 T	130	100 J	115 JT
Butylbenzyl phthalate	ug/kg	7.5 J	--	7.5 J	15 J	29 J	22 JT	100 J	32 UJ	100 JT
Dibutyl phthalate	ug/kg	7.9 U	--	7.9 U	8.9 J	9.3 J	9.1 JT	12 J	79 UJ	12 JT
Diethyl phthalate	ug/kg	1.3 U	--	1.3 U	1.5 J	2.4 J	1.95 JT	1.8 J	13 UJ	1.8 JT
Dimethyl phthalate	ug/kg	1 U	--	1 U	1 U	1 U	1 UT	1 U	10 U	1 UT
Di-n-octyl phthalate	ug/kg	1.7 U	--	1.7 U	1.7 U	1.7 U	1.7 UT	1.7 U	17 U	1.7 UT
<b>SVOCs</b>										
1,2,4-Trichlorobenzene	ug/kg	2.6 U	--	2.6 U	2.6 U	2.6 U	2.6 UT	2.6 U	26 U	2.6 UT
1,2-Dichlorobenzene	ug/kg	2.9 U	--	2.9 U	2.9 U	2.9 U	2.9 UT	2.9 U	29 U	2.9 UT
1,3-Dichlorobenzene	ug/kg	3 U	--	3 U	3 U	3 U	3 UT	3 U	30 U	3 UT
1,4-Dichlorobenzene	ug/kg	2.9 U	--	2.9 U	2.9 U	2.9 U	2.9 UT	2.9 U	29 U	2.9 UT
2,4-Dinitrotoluene	ug/kg	1.5 U	--	1.5 U	1.5 U	1.5 U	1.5 UT	1.5 U	15 U	1.5 UT
2,6-Dinitrotoluene	ug/kg	2 U	--	2 U	2 U	2 U	2 UT	2 U	20 U	2 UT
2-Chloronaphthalene	ug/kg	1.6 U	--	1.6 U	1.6 U	1.6 U	1.6 UT	1.6 U	16 U	1.6 UT
2-Nitroaniline	ug/kg	3.2 U	--	3.2 U	3.2 U	3.2 U	3.2 UT	3.2 U	32 U	3.2 UT
3,3'-Dichlorobenzidine	ug/kg	3.7 U	--	3.7 U	3.7 U	3.7 U	3.7 UT	3.7 U	37 U	3.7 UT
3-Nitroaniline	ug/kg	2.5 U	--	2.5 U	2.5 U	2.5 U	2.5 UT	2.5 U	25 U	2.5 UT
4-Bromophenyl phenyl ether	ug/kg	1.6 U	--	1.6 U	1.6 U	1.6 U	1.6 UT	1.6 U	16 U	1.6 UT

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G005			DPSC-G008			DPSC-G021		
	Location Units	DPSC-G005 (Parent)	DPSC-G005-RE1	DPSC-G005 (Averaged)	DPSC-G008 (Parent)	DPSC-G508	DPSC-G008 (Averaged)	DPSC-G021 (Parent)	DPSC-G521	DPSC-G021 (Averaged)
4-Chloroaniline	ug/kg	1.9 U	--	1.9 U	1.9 U	1.9 U	1.9 UT	1.9 U	19 U	1.9 UT
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	--	1.4 U	1.4 U	1.4 U	1.4 UT	1.4 U	14 U	1.4 UT
4-Nitroaniline	ug/kg	1.8 U	--	1.8 U	1.8 U	1.8 U	1.8 UT	1.8 U	18 U	1.8 UT
Aniline	ug/kg	1.5 U	--	1.5 U	1.5 U	1.5 U	1.5 UT	1.5 U	15 U	1.5 UT
Azobenzene	ug/kg	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 UT	1.1 U	11 U	1.1 UT
Benzoic acid	ug/kg	96 U	--	96 U	96 U	96 U	96 UT	--	960 U	960 U
Benzyl alcohol	ug/kg	2.1 U	--	2.1 U	6 J	6.8 J	6.4 JT	2.1 U	21 U	2.1 UT
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	--	1.5 U	1.5 U	1.5 U	1.5 UT	1.5 U	15 U	1.5 UT
Bis(2-chloroethyl) ether	ug/kg	1.9 U	--	1.9 U	1.9 U	1.9 U	1.9 UT	1.9 U	19 U	1.9 UT
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	--	2.6 U	2.6 U	2.6 U	2.6 UT	2.6 U	26 U	2.6 UT
Carbazole	ug/kg	2 J	--	2 J	9.6 J	6.1 J	7.85 JT	1.3 U	13 U	1.3 UT
Dibenzofuran	ug/kg	3.7	--	3.7	8.9	14	11.45 T	0.59 UJ	1.8 J	1.8 JT
Hexachlorobenzene	ug/kg	0.19	--	0.19	0.67	0.33	0.5 T	0.24	0.18 J	0.21 JT
Hexachlorobutadiene	ug/kg	0.12 U	--	0.12 U	0.065 U	0.098 U	0.065 UT	0.065 U	0.065 U	0.065 UT
Hexachlorocyclopentadiene	ug/kg	29 U	--	29 U	29 U	29 U	29 UT	29 U	290 U	29 UT
Hexachloroethane	ug/kg	0.079 U	--	0.079 U	0.079 U	0.079 U	0.079 UT	0.079 U	0.079 U	0.079 UT
Isophorone	ug/kg	1 U	--	1 U	1 U	1 U	1 UT	1 U	10 U	1 UT
Nitrobenzene	ug/kg	2.2 U	--	2.2 U	2.2 U	2.2 U	2.2 UT	2.2 U	22 U	2.2 UT
N-Nitrosodimethylamine	ug/kg	6.1 U	--	6.1 U	6.1 U	6.1 U	6.1 UT	6.1 U	61 U	6.1 UT
N-Nitrosodiphenylamine	ug/kg	1.6 U	--	1.6 U	1.6 U	1.6 U	1.6 UT	1.6 U	16 U	1.6 UT
N-Nitrosodipropylamine	ug/kg	2.4 U	--	2.4 U	2.4 U	2.4 U	2.4 UT	2.4 U	24 U	2.4 UT
<b>VPH</b>										
Benzene	ug/kg	--	--	--	--	--	--	--	--	--
Docane	ug/kg	--	--	--	--	--	--	--	--	--
Dodecane	ug/kg	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
m,p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	ug/kg	--	--	--	--	--	--	--	--	--
n-Hexane	ug/kg	--	--	--	--	--	--	--	--	--
Octane	ug/kg	--	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--
Pentane	ug/kg	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G027			DPSC-G041			DPSC-C021-C		
	Location Units	DPSC-G027 (Parent)	DPSC-G527	DPSC-G027 (Averaged)	DPSC-G041 (Parent)	DPSC-G541	DPSC-G041 (Averaged)	DPSC-C021-C (Parent)	DPSC-C521-C	DPSC-C021-C (Averaged)
<b>PCB Aroclors</b>										
Aroclor 1016	ug/kg	1 U	1 U	1 UT	1 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1221	ug/kg	1 U	1 U	1 UT	1 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1232	ug/kg	1 U	1 U	1 UT	1 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1242	ug/kg	3.7 U	1 U	1 UT	35	44	39.5 T	1 U	1 U	1 UT
Aroclor 1248	ug/kg	1 U	1 U	1 UT	1 U	1 U	1 UT	37	38	37.5 T
Aroclor 1254	ug/kg	7 J	6.1	6.55 JT	60	68	64 T	1 U	1 U	1 UT
Aroclor 1260	ug/kg	8.8	7	7.9 T	30	30	30 T	71	80	75.5 T
Aroclor 1262	ug/kg	1 U	1 U	1 UT	1 U	1 U	1 UT	1 U	1 U	1 UT
Aroclor 1268	ug/kg	1 U	1 U	1 UT	1 U	1 U	1 UT	1 U	1 U	1 UT
Total Aroclors	ug/kg	--	--	14.5 T	--	--	133.5 T	--	--	113 T
<b>Butyltins</b>										
Butyltin ion	ug/kg	0.64 J	1.6 J	1.12 JT	0.89 J	0.35 U	0.89 JT	0.82 J	0.88 U	0.82 J
Dibutyltin ion	ug/kg	0.34 J	0.86 J	0.6 JT	0.48 J	0.51 J	0.495 JT	0.051 U	0.19 U	0.051 UT
Tetrabutyltin	ug/kg	0.13 U	0.14 U	0.13 UT	0.13 U	0.13 U	0.13 UT	0.13 U	0.13 U	0.13 UT
Tributyltin ion	ug/kg	0.099 UJ	1.1 J	1.1 JT	0.59 J	0.73 J	0.66 JT	0.11 U	0.1 U	0.1 UT
Total Butyltins	ug/kg	--	--	2.82 T	--	--	2.05 T	--	--	0.82 T
<b>Conventionals</b>										
Ammonia	mg/kg	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--
Total organic carbon	percent	2.69	2.4	2.55 T	1.36 T	1.49	1.43 T	3.17	2.91	3.04 T
Total solids	percent	56.4	53.6	55 T	56.8	57.7 T	57.3 T	55.7	54.5	55.1 T
<b>Dioxin/Furan Homologs</b>										
Heptachlorodibenzofuran homologs	pg/g	11.1 J	46.7 J	28.9 JT	140	158	149 T	101	105	103 T
Heptachlorodibenzo-p-dioxin homologs	pg/g	53.3 J	151 J	102 JT	387	436	412 T	263	271	267 T
Hexachlorodibenzofuran homologs	pg/g	6.05 J	27.1 J	16.6 JT	49.2	22.3	35.8 T	78.8	70	74.4 T
Hexachlorodibenzo-p-dioxin homologs	pg/g	10.1 J	26.1 J	18.1 JT	41.8	39.5	40.7 T	43.5	45.4	44.5 T
Octachlorodibenzofuran	pg/g	9.56 J	50.7 J	30.1 JT	223	261	242 T	70.4	89.6	80 T
Octachlorodibenzo-p-dioxin	pg/g	238 J	804 J	521 JT	2500	2920	2710 T	2160	1890	2025 T
Pentachlorodibenzofuran homologs	pg/g	2.27 J	13.6 J	7.94 JT	31	24.4	27.7 T	35.3	43.3	39.3 T
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.964 J	3.77 J	2.37 JT	6.85	4.6 J	5.73 T	4.08 J	6.57 J	5.33 JT
Tetrachlorodibenzofuran homologs	pg/g	0.984 J	7.02 J	4.00 JT	15.8	14.8	15.3 T	11.4	16.8	14.1 T
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.504 J	3.51 J	2.01 JT	3.74	4.15	3.95 T	1.42 J	2.47	1.95 JT
Total PCDD/F	pg/g	--	--	733 T	--	--	3642 T	--	--	2655 T
<b>Dioxins/Furans</b>										
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	3.16 J	13 J	8.08 JT	30.8	33.7	32.3 T	31	24.4	27.7 T
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	23.5 J	70.7 J	47.1 JT	204	226	215 T	113	118	116 T
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.373 J	0.991 J	0.682 JT	1.74 J	2.59 J	2.17 JT	1.79 J	2.12 J	1.96 JT
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.434 J	1.22 J	0.827 JT	2.07 J	2.19 J	2.13 JT	3.56 J	2.7 J	3.13 JT
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.236 J	0.82 J	0.528 JT	0.8 J	0.916 J	0.858 JT	1.26 J	1.13 J	1.20 JT
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.291 J	1.16 J	0.726 JT	1.72 J	1.67 J	1.70 JT	3.43 J	3.12 J	3.28 JT
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	1.08 J	3.74 J	2.41 JT	6.8	6.87 J	6.84 T	5.56 J	5.95 J	5.76 JT
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.125 J	0.108 J	0.117 JT	0.11 J	0.222 J	0.166 JT	0.158 J	0.154 J	0.156 JT
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.668 J	2.29 J	1.48 JT	3.11 J	2.96 J	3.04 JT	2.95 J	3.33 J	3.14 JT
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.154 J	0.388 J	0.271 JT	0.485 J	0.538 J	0.512 JT	1.52 J	.628 J	1.07 JT
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.195 J	0.587 J	0.391 JT	0.66 J	0.586 J	0.623 JT	0.807 J	0.891 J	0.849 JT
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.24 J	1.42 J	0.83 JT	2.29 J	2 J	2.15 JT	2.74 J	3.18 J	2.96 JT
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.182 J	0.51 J	0.346 JT	0.818 J	0.87 J	0.844 JT	0.905 J	0.883 J	0.894 JT

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G027			DPSC-G041			DPSC-C021-C		
	Location Units	DPSC-G027 (Parent)	DPSC-G527	DPSC-G027 (Averaged)	DPSC-G041 (Parent)	DPSC-G541	DPSC-G041 (Averaged)	DPSC-C021-C (Parent)	DPSC-C521-C	DPSC-C021-C (Averaged)
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.193 J	0.814 J	0.504 JT	0.915 J	1.02 J	0.968 JT	0.371 UJ	0.701 J	0.701 JT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.165 J	0.323 J	0.244 JT	0.313 J	0.368 J	0.341 JT	0.22 J	0.405 J	0.3132 JT
Dioxin/furan TCDD toxicity equivalent	pg/g	--	--	2.24 T	--	--	6.39 T	--	--	5.58 T
<b>EPH</b>										
C8-C10 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
<b>Grainsize (ASTM D422)</b>										
0.001MM	percent	--	--	--	--	--	--	--	--	--
0.005MM	percent	--	--	--	--	--	--	--	--	--
0.074MM	percent	--	--	--	--	--	--	--	--	--
19.0MM	percent	--	--	--	--	--	--	--	--	--
9.50MM	percent	--	--	--	--	--	--	--	--	--
Medium gravel	percent	--	--	--	--	--	--	--	--	--
Fine gravel	percent	--	--	--	--	--	--	--	--	--
Coarse sand	percent	--	--	--	--	--	--	--	--	--
Very coarse sand	percent	--	--	--	--	--	--	--	--	--
Medium sand	percent	--	--	--	--	--	--	--	--	--
Fine sand	percent	--	--	--	--	--	--	--	--	--
Very fine sand	percent	--	--	--	--	--	--	--	--	--
<b>Grainsize (Method PSEP)</b>										
Medium gravel	percent	0.57 J	0.3 J	0.435 JT	1.3 J	4.24 J	2.77 JT	0.18 JT	0 J	0.09 T
Fine gravel	percent	1.53	0.97	1.25 T	0.5	0.56	0.53 T	1.99 T	1.28	1.63 T
Very coarse sand	percent	2.93	2.78	2.86 T	1.86	1.64	1.75 T	2.16 T	2.53	2.34 T
Coarse sand	percent	4.07	4.21	4.14 T	2.06	2.25	2.16 T	2.06 T	2.25	2.15 T
Medium sand	percent	9.5	10.1	9.8 T	6.96	7.08	7.02 T	5.18 T	4.56	4.87 T
Fine sand	percent	32	33.5	32.8 T	26.3	26.2	26.3 T	11.15 T	12.6	11.9 T
Very fine sand	percent	20	20.7	20.4 T	22.2	21.8	22 T	18.75 T	18.5	18.6 T
Coarse silt	percent	14.1	16	15.1 T	12.5	13.8	13.2 T	15.75 T	14.2	15.0 T
Medium silt	percent	6.8	5.98	6.39 T	6.54	7.13	6.84 T	11.85 T	13.5	12.7 T
Fine silt	percent	2.71	3.16	2.94 T	3.8	4.27	4.04 T	8.78 T	8.95	8.86 T
Very fine silt	percent	1.88	2.17	2.03 T	2.38	2.87	2.63 T	7.38 T	7.86	7.62 T
8-9 Phi clay	percent	1.28	1.01	1.15 T	1.81	1.86	1.84 T	3.42 T	4.65	4.03 T
>9 Phi clay	percent	1.01	1.51	1.26 T	2.92	3.56	3.24 T	11.65 T	10	10.8 T
<b>Metals</b>										
Aluminum	mg/kg	23600	23500	23550 T	18800 J	24500 J	21650 JT	29800	28200	29000 T
Antimony	mg/kg	0.15	0.14	0.145 T	0.99 J	0.27 J	0.63 JT	0.412 J	0.68	0.546 JT
Arsenic	mg/kg	3.96	4.07	4.02 T	3.22	3.79	3.51 T	3.34	3.68	3.51 T
Cadmium	mg/kg	0.263	0.299	0.281 T	0.219	0.255	0.237 T	0.55	0.641	0.596 T
Chromium	mg/kg	26.9	26.5	26.7 T	16.5	20.9	18.7 T	25.3	21.9	23.6 T
Copper	mg/kg	36.4	29.1	32.8 T	21.9 J	22.9 J	22.4 JT	45.3	34.3	39.8 T



**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G027			DPSC-G041			DPSC-C021-C		
	Location Units	DPSC-G027 (Parent)	DPSC-G527	DPSC-G027 (Averaged)	DPSC-G041 (Parent)	DPSC-G541	DPSC-G041 (Averaged)	DPSC-C021-C (Parent)	DPSC-C521-C	DPSC-C021-C (Averaged)
Lead	mg/kg	23.2	18.8	21 T	56.4	53.6	55 T	63.3 J	63.3	63.3 JT
Mercury	mg/kg	0.052 T	0.049	0.0505 T	0.075 J	1.35 J	0.713 JT	0.297	0.342	0.320 T
Nickel	mg/kg	23.2	24.6	23.9 T	16.5	18.5	17.5 T	21.3	18.7	20 T
Selenium	mg/kg	0.13	0.13	0.13 T	0.08	0.09	0.085 T	0.17	0.16	0.165 T
Silver	mg/kg	0.096 J	0.1 J	0.098 JT	0.278	0.199	0.239 T	0.527	0.672 J	0.600 JT
Zinc	mg/kg	96.3	103	99.7 T	107 J	111 J	109 JT	186	169	178 T
<b>PAHs (Method 8270C)</b>										
2-Methylnaphthalene	ug/kg	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--
<b>PAHs (Method 8270CSIM)</b>										
C1-Chrysene	ug/kg	110 J	50 J	80 JT	23	30	26.5 T	110	91	101 T
C1-Dibenzothiophenes	ug/kg	6.7	4.6	5.65 T	39	42	40.5 T	130 J	75 J	103 JT
C1-Fluoranthene/pyrene	ug/kg	130 J	53 J	91.5 JT	26	32	29 T	130	110	120 T
C1-Fluorene	ug/kg	11 J	3.4 J	7.2 JT	17	19	18 T	45 J	23 J	34 JT
C1-Phenanthrene/anthracene	ug/kg	79 J	32 J	55.5 JT	65	67	66 T	180	110	145 T
C2-Chrysene	ug/kg	79 J	42 J	60.5 JT	31	39	35 T	88	75	81.5 T
C2-Dibenzothiophenes	ug/kg	14	9.5	11.75 T	24	31	27.5 T	89	58	73.5 T
C2-Fluoranthene/pyrene	ug/kg	63 J	29 J	46 JT	24	36	30 T	90	72	81 T
C2-Fluorene	ug/kg	9.9	6.1	8 T	42	46	44 T	110 J	56 J	83 JT
C2-Naphthalene	ug/kg	9.9	6.2	8.05 T	76	82	79 T	210 J	110 J	160 JT
C2-Phenanthrene/anthracene	ug/kg	60 J	35 J	47.5 JT	82	96	89 T	200	130	165 T
C3-Chrysene	ug/kg	64	42	53 T	32	41	36.5 T	74	64	69 T
C3-Dibenzothiophenes	ug/kg	19	15	17 T	16	20	18 T	82	50	66 T
C3-Fluoranthene/pyrene	ug/kg	41	25	33 T	34	39	36.5 T	79 J	47 J	63 JT
C3-Fluorene	ug/kg	19 J	9.2 J	14.1 JT	50	58	54 T	140 J	72 J	106 JT
C3-Naphthalene	ug/kg	12	8	10 T	140	150	145 T	340 J	180 J	260 JT
C3-Phenanthrene/anthracene	ug/kg	40	26	33 T	62	56	59 T	200 J	120	160 JT
C4-Chrysene	ug/kg	32	24	28 T	24	21	22.5 T	36	26	31 T
C4-Naphthalene	ug/kg	17 J	8.9 J	13.0 JT	100	110	105 T	300 J	160 J	230 JT
C4-Phenanthrene/anthracene	ug/kg	23	19	21 T	26 J	51 J	38.5 JT	75	40 J	57.5 JT
1-Methylnaphthalene	ug/kg	2.9 J	1.7 J	2.3 JT	4.4	4.1	4.25 T	27 J	15 J	21 JT
2-Methylnaphthalene	ug/kg	4.1 J	2.8	3.45 JT	8.6	7.2	7.9 T	45 J	24 J	34.5 JT
Acenaphthene	ug/kg	9.5 J	3.5 J	6.5 JT	4.5	4.4	4.45 T	12	8.1	10.1 T

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G027			DPSC-G041			DPSC-C021-C		
	Location Units	DPSC-G027 (Parent)	DPSC-G527	DPSC-G027 (Averaged)	DPSC-G041 (Parent)	DPSC-G541	DPSC-G041 (Averaged)	DPSC-C021-C (Parent)	DPSC-C521-C	DPSC-C021-C (Averaged)
Acenaphthylene	ug/kg	13 J	2.7 J	7.85 JT	3.7	4.9	4.3 T	16	16	16 T
Anthracene	ug/kg	45 J	16 J	30.5 JT	2.5 J	2.6	2.55 JT	26 J	15 J	20.5 JT
Benzo(a)anthracene	ug/kg	170 J	66 J	118 JT	12 J	20 J	16 JT	86	71	78.5 T
Benzo(a)pyrene	ug/kg	170 J	78 J	124 JT	13	21	17 T	90	83	86.5 T
Benzo(b)fluoranthene	ug/kg	210 J	100 J	155 JT	18	26	22 T	120	100	110 T
Benzo(e)pyrene	ug/kg	120 J	61 J	90.5 JT	12	19	15.5 T	72	62	67 T
Benzo(g,h,i)perylene	ug/kg	120 J	65 J	92.5 JT	16	20	18 T	72	60	66 T
Benzo(k)fluoranthene	ug/kg	69 J	35 J	52 JT	7.1 J	12 J	9.55 JT	41	37	39 T
Chrysene	ug/kg	190 J	80 J	135 JT	18	30	24 T	94	92	93 T
Dibenzo(a,h)anthracene	ug/kg	25 J	13 J	19 JT	2.8	3.8	3.3 T	17	17	17 T
Dibenzothiophene	ug/kg	7.8	5.3	6.55 T	4.3	4.9	4.6 T	15	10	12.5 T
Fluoranthene	ug/kg	360 J	160 J	260 JT	29	43	36 T	210	150	180 T
Fluorene	ug/kg	12 J	5.1 J	8.55 JT	6	6.2	6.1 T	24 J	12 J	18 JT
Indeno(1,2,3-cd)pyrene	ug/kg	130 J	68 J	99 JT	13	19	16 T	69	63	66 T
Naphthalene	ug/kg	8.9	7.3	8.1 T	14	16	15 T	45 J	23 J	34 JT
Perylene	ug/kg	62	38	50 T	17	18	17.5 T	55	34	44.5 T
Phenanthrene	ug/kg	170 J	85 J	128 JT	34	38	36 T	160	110	135 T
Pyrene	ug/kg	380 J	150 J	265 JT	30	46	38 T	210	160	185 T
Total HPAH	ug/kg	--	--	1320 T	--	--	200 T	--	--	921 T
Total LPAH	ug/kg	--	--	192 T	--	--	76.3 T	--	--	268 T
Total PAHs	ug/kg	--	--	1512 T	--	--	276 T	--	--	1189 T
<b>Pesticides</b>										
2,4'-DDD	ug/kg	1.4 J	1.3 J	1.35 JT	1.4 U	1.7 U	1.4 UT	5.8	5.9 J	5.85 JT
2,4'-DDE	ug/kg	0.2 U	0.19 U	0.19 UT	1.1 U	1.3 U	1.1 UT	0.62 U	0.73 U	0.62 UT
2,4'-DDT	ug/kg	0.59 U	0.45 U	0.45 UT	3.6	3.7	3.65 T	6	5.3 J	5.65 JT
4,4'-DDD	ug/kg	2.3	2.2	2.25 T	0.9	0.88	0.89 T	5.2	6	5.6 T
4,4'-DDE	ug/kg	1.8	1.5	1.65 T	2.7 J	3 J	2.85 JT	8.2 J	8.2 J	8.2 JT
4,4'-DDT	ug/kg	0.42 UJ	1.4 J	1.4 JT	3.4	3.6	3.5 T	5.3	5	5.15 T
Total DDD	ug/kg	--	--	3.6 T	--	--	0.89 T	--	--	11.5 T
Total DDE	ug/kg	--	--	1.65 T	--	--	2.85 T	--	--	8.2 T
Total DDT	ug/kg	--	--	1.4 T	--	--	7.15 T	--	--	10.8 T
Total DDx	ug/kg	--	--	6.65 T	--	--	10.9 T	--	--	30.5 T
Aldrin	ug/kg	0.17 J	0.19 U	0.17 JT	0.18 U	0.2 U	0.18 UT	0.055 U	0.055 U	0.055 UT
alpha-Endosulfan	ug/kg	0.72	0.19 U	0.72 T	0.18 U	0.18 U	0.18 UT	0.058 U	0.2 U	0.058 UT
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.047 UT	0.051 U	0.047 U	0.047 UT	0.047 U	0.047 U	0.047 UT
beta-Endosulfan	ug/kg	0.23 U	0.19 U	0.19 UT	0.3 U	0.18 U	0.18 UT	0.95	0.93	0.94 T
beta-Hexachlorocyclohexane	ug/kg	0.12 U	0.054 U	0.054 UT	0.054 U	0.054 U	0.054 UT	0.25 J	0.22 UJ	0.25 JT
cis-Chlordane	ug/kg	0.53	0.47	0.5 T	0.18 U	0.032 U	0.032 UT	1.7 J	1.7 J	1.7 JT
cis-Nonachlor	ug/kg	0.91 U	0.9 U	0.9 UT	2.2 U	2 U	2 UT	4.3 U	4.2 U	4.3 UT
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.037 UT	0.18 U	0.18 U	0.18 UT	0.2 U	0.037 U	0.037 UT
Dieldrin	ug/kg	0.2 U	0.4	0.4 T	0.036 U	0.18 U	0.036 UT	0.36 U	0.2 U	0.2 UT
Endosulfan sulfate	ug/kg	0.26 U	0.26 U	0.26 UT	0.053 U	0.053 U	0.053 UT	0.2 U	0.053 U	0.053 UT
Endrin	ug/kg	0.046 U	0.15 U	0.046 UT	0.18 U	0.18 U	0.18 UT	0.12 U	0.2 U	0.12 UT
Endrin aldehyde	ug/kg	0.2 U	0.09 U	0.09 UT	0.18 U	0.18 U	0.18 UT	0.2 U	0.2 U	0.2 UT
Endrin ketone	ug/kg	0.2 U	0.19 U	0.19 UT	0.28 U	0.22 U	0.22 UT	1.2 U	1.7 U	1.2 UT
gamma-Hexachlorocyclohexane	ug/kg	0.2 U	0.19 U	0.19 UT	0.18 U	0.23 U	0.18 UT	0.38 UJ	0.29 J	0.29 JT
Heptachlor	ug/kg	0.22 U	0.13 U	0.13 UT	0.07 U	0.07 U	0.07 UT	0.07 U	0.07 U	0.07 UT
Heptachlor epoxide	ug/kg	0.2 U	0.19 U	0.19 UT	0.87 U	0.88 U	0.87 UT	0.39 U	0.29 U	0.29 UT

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G027			DPSC-G041			DPSC-C021-C		
	Location Units	DPSC-G027 (Parent)	DPSC-G527	DPSC-G027 (Averaged)	DPSC-G041 (Parent)	DPSC-G541	DPSC-G041 (Averaged)	DPSC-C021-C (Parent)	DPSC-C521-C	DPSC-C021-C (Averaged)
Methoxychlor	ug/kg	0.7 U	0.59 U	0.59 UT	0.44 U	0.45 U	0.44 UT	0.62 U	1.6 U	0.62 UT
Mirex	ug/kg	0.049 U	0.049 U	0.049 UT	0.049 U	0.075 U	0.049 UT	0.22 U	0.049 U	0.049 UT
Oxychlorane	ug/kg	0.054 U	0.37 U	0.054 UT	0.054 U	0.18 U	0.054 UT	0.59 J	0.34 U	0.59 JT
Total Chlordanes	ug/kg	--	--	1.53 T	--	--	2.9 T	--	--	6.04 T
Total Endosulfans	ug/kg	--	--	0.72 T	--	--	0.18 UT	--	--	0.94 T
Toxaphene	ug/kg	31 U	19 U	19 UT	31 U	33 U	31 UT	59 U	63 U	59 UT
trans-Chlordane	ug/kg	0.75	0.68	0.715 T	2.9	2.9 J	2.9 JT	3.7	3.8	3.75 T
trans-Nonachlor	ug/kg	0.29 J	0.33	0.31 JT	0.93 U	0.18 U	0.18 UT	0.18 U	0.25 U	0.18 UT
<b>Petroleum</b>										
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	49 J	50 J	49.5 JT	160 J	220 J	190 JT	340 J	310 J	325 JT
Residual Range Hydrocarbons (silica gel treated)	mg/kg	310 J	320 J	315 JT	450 J	560 J	505 JT	810 J	850 J	830 JT
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	--	--	365 T	--	--	695 T	--	--	1155 T
<b>Phenols</b>										
2,3,4,5-Tetrachlorophenol	ug/kg	5.3 U	5.3 U	5.3 UT	5.2 U	5 U	5 UT	5.4 U	5.5 U	5.4 UT
2,3,5,6-Tetrachlorophenol	ug/kg	6.5 U	6.6 U	6.5 UT	6.4 U	6.2 U	6.2 UT	6.6 U	6.7 U	6.6 UT
2,4,5-Trichlorophenol	ug/kg	4.6 U	4.6 U	4.6 UT	4.5 U	4.4 U	4.4 UT	4.7 U	4.8 U	4.7 UT
2,4,6-Trichlorophenol	ug/kg	4.8 U	4.8 U	4.8 UT	4.7 U	4.5 U	4.5 UT	4.9 U	4.9 U	4.9 UT
2,4-Dichlorophenol	ug/kg	5 U	5 U	5 UT	1 U	1 U	1 UT	1 U	1 U	1 UT
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	5.5 U	5.5 U	5.5 UT
2,4-Dinitrophenol	ug/kg	85 U	85 U	85 UT	17 U	17 U	17 UT	17 U	17 U	17 UT
2-Chlorophenol	ug/kg	10 U	10 U	10 UT	2 U	2 U	2 UT	2 U	2 U	2 UT
2-Methylphenol	ug/kg	7.5 U	7.5 U	7.5 UT	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U	1.5 UT
2-Nitrophenol	ug/kg	7.5 U	7.5 U	7.5 UT	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U	1.5 UT
4,6-Dinitro-2-methylphenol	ug/kg	7 U	7 U	7 UT	1.4 U	1.4 U	1.4 UT	1.4 U	1.4 U	1.4 UT
4-Chloro-3-methylphenol	ug/kg	7 U	7 U	7 UT	1.4 U	1.4 U	1.4 UT	1.4 U	1.4 U	1.4 UT
4-Methylphenol	ug/kg	7.5 U	7.8 J	7.8 JT	33	1.5 U	33 T	110 J	13 J	61.5 JT
4-Nitrophenol	ug/kg	90 U	90 U	90 UT	18 U	18 U	18 UT	18 U	18 U	18 UT
Pentachlorophenol	ug/kg	6.2 U	6.2 U	6.2 UT	6.1 U	5.9 U	5.9 UT	6.3 U	6.4 U	6.3 UT
Phenol	ug/kg	10 U	10 U	10 UT	25 J	20 J	22.5 JT	13 J	6.4 J	9.7 JT
<b>Phthalates</b>										
Bis(2-ethylhexyl)phthalate	ug/kg	270	230	250 T	54	54	54 T	180 J	67 J	123.5 JT
Butylbenzyl phthalate	ug/kg	18 J	16 U	18 JT	3.2 U	3.2 U	3.2 UT	3.2 U	3.2 U	3.2 UT
Dibutyl phthalate	ug/kg	40 U	40 U	40 UT	8 J	7.9 U	8 JT	29	28	28.5 T
Diethyl phthalate	ug/kg	6.5 U	6.5 U	6.5 UT	4.6 J	1.3 U	4.6 JT	4.8 U	4.9 U	4.8 UT
Dimethyl phthalate	ug/kg	5 U	5 U	5 UT	1 U	1 U	1 UT	1 UJ	17 J	17 JT
Di-n-octyl phthalate	ug/kg	8.5 U	8.5 U	8.5 UT	1.7 U	1.7 U	1.7 UT	1.7 U	1.7 U	1.7 UT
<b>SVOCs</b>										
1,2,4-Trichlorobenzene	ug/kg	13 U	13 U	13 UT	2.6 U	2.6 U	2.6 UT	2.6 U	2.6 U	2.6 UT
1,2-Dichlorobenzene	ug/kg	15 U	15 U	15 UT	2.9 U	2.9 U	2.9 UT	2.9 U	2.9 U	2.9 UT
1,3-Dichlorobenzene	ug/kg	15 U	15 U	15 UT	3 U	3 U	3 UT	3 U	3 U	3 UT
1,4-Dichlorobenzene	ug/kg	15 U	15 U	15 UT	2.9 U	2.9 U	2.9 UT	89	26	57.5 T
2,4-Dinitrotoluene	ug/kg	7.5 U	7.5 U	7.5 UT	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U	1.5 UT
2,6-Dinitrotoluene	ug/kg	10 U	10 U	10 UT	2 U	2 U	2 UT	2 U	2 U	2 UT
2-Chloronaphthalene	ug/kg	8 U	8 U	8 UT	1.6 U	1.6 U	1.6 UT	1.6 U	1.6 U	1.6 UT
2-Nitroaniline	ug/kg	16 U	16 U	16 UT	3.2 U	3.2 U	3.2 UT	3.2 U	3.2 U	3.2 UT
3,3'-Dichlorobenzidine	ug/kg	19 U	19 U	19 UT	3.7 U	3.7 U	3.7 UT	3.7 U	3.7 U	3.7 UT
3-Nitroaniline	ug/kg	13 U	13 U	13 UT	2.5 U	2.5 U	2.5 UT	2.5 U	2.5 U	2.5 UT
4-Bromophenyl phenyl ether	ug/kg	8 U	8 U	8 UT	1.6 U	1.6 U	1.6 UT	1.6 U	1.6 U	1.6 UT

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-G027			DPSC-G041			DPSC-C021-C		
	Location Units	DPSC-G027 (Parent)	DPSC-G527	DPSC-G027 (Averaged)	DPSC-G041 (Parent)	DPSC-G541	DPSC-G041 (Averaged)	DPSC-C021-C (Parent)	DPSC-C521-C	DPSC-C021-C (Averaged)
4-Chloroaniline	ug/kg	9.5 U	9.5 U	9.5 UT	1.9 U	1.9 U	1.9 UT	1.9 U	1.9 U	1.9 UT
4-Chlorophenyl phenyl ether	ug/kg	7 U	7 U	7 UT	1.4 U	1.4 U	1.4 UT	1.4 U	1.4 U	1.4 UT
4-Nitroaniline	ug/kg	9 U	9 U	9 UT	1.8 U	1.8 U	1.8 UT	1.8 U	1.8 U	1.8 UT
Aniline	ug/kg	7.5 U	7.5 U	7.5 UT	1.5 U	7.6 J	7.6 JT	1.5 U	--	1.5 UT
Azobenzene	ug/kg	5.5 U	5.5 U	5.5 UT	1.1 U	1.1 U	1.1 UT	1.1 U	1.1 U	1.1 UT
Benzoic acid	ug/kg	480 U	480 U	480 UT	130 J	120 J	125 JT	96 U	96 U	96 UT
Benzyl alcohol	ug/kg	11 U	11 U	11 UT	2.1 U	5.8 J	5.8 JT	2.1 U	2.1 U	2.1 UT
Bis(2-chloroethoxy) methane	ug/kg	7.5 U	7.5 U	7.5 UT	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U	1.5 UT
Bis(2-chloroethyl) ether	ug/kg	9.5 U	9.5 U	9.5 UT	1.9 U	1.9 U	1.9 UT	1.9 U	1.9 U	1.9 UT
Bis(2-chloroisopropyl) ether	ug/kg	13 U	13 U	13 UT	2.6 U	2.6 U	2.6 UT	2.6 U	2.6 U	2.6 UT
Carbazole	ug/kg	13 J	9.6 J	11.3 JT	1.3 U	3.3 J	3.3 JT	10	9.7 J	9.85 JT
Dibenzofuran	ug/kg	4.3 J	2.3 J	3.3 JT	3.2	2.9	3.05 T	9.2 J	4.3 J	6.75 JT
Hexachlorobenzene	ug/kg	0.23	0.16 J	0.195 JT	0.2 U	0.21 U	0.2 UT	0.42 U	0.14 U	0.14 UT
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.065 UT	0.21 J	0.065 U	0.21 JT	0.1 U	0.13 U	0.1 UT
Hexachlorocyclopentadiene	ug/kg	150 U	150 U	150 UT	29 U	29 U	29 UT	29 U	29 U	29 UT
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 UT	0.079 U	0.079 U	0.079 UT	0.079 U	0.079 U	0.079 UT
Isophorone	ug/kg	5 U	5 U	5 UT	1 U	1 U	1 UT	1 U	1 U	1 UT
Nitrobenzene	ug/kg	11 U	11 U	11 UT	2.2 U	2.2 U	2.2 UT	2.2 U	2.2 U	2.2 UT
N-Nitrosodimethylamine	ug/kg	31 U	31 U	31 UT	6.1 U	6.1 U	6.1 UT	6.1 U	6.1 U	6.1 UT
N-Nitrosodiphenylamine	ug/kg	8 U	8 U	8 UT	1.6 U	1.6 U	1.6 UT	1.6 U	1.6 U	1.6 UT
N-Nitrosodipropylamine	ug/kg	12 U	12 U	12 UT	2.4 U	2.4 U	2.4 UT	2.4 U	2.4 U	2.4 UT
<b>VPH</b>										
Benzene	ug/kg	--	--	--	--	--	--	--	--	--
Docane	ug/kg	--	--	--	--	--	--	--	--	--
Dodecane	ug/kg	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
m,p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	ug/kg	--	--	--	--	--	--	--	--	--
n-Hexane	ug/kg	--	--	--	--	--	--	--	--	--
Octane	ug/kg	--	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--
Pentane	ug/kg	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics	ug/kg	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics	ug/kg	--	--	--	--	--	--	--	--	--

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-C031-C			DPSC-C039-B						
	Location Units	DPSC-C031-C (Parent)	DPSC-C531-C	DPSC-C031-C (Averaged)	DPSC-C039-B (Parent)	DPSC-C039-B-RE1	DPSC-C039-B-RE2	DPSC-C539-B	DPSC-C539-B-RE1	DPSC-C539-B-RE2	DPSC-C039-B (Averaged)
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	1 U	1 U	1 UT	5 U	1.7 U	1.7 U	1.1 U	1.7 U	1.7 U	1.1 UT
Aroclor 1221	ug/kg	1 U	1 U	1 UT	5 U	1.7 U	1.7 U	1.1 U	1.7 U	1.7 U	1.1 UT
Aroclor 1232	ug/kg	1 U	1 U	1 UT	5 U	1.7 U	1.7 U	1.1 U	1.7 U	1.7 U	1.1 UT
Aroclor 1242	ug/kg	1 U	1 U	1 UT	5 U	1.7 U	1.7 U	1.1 U	1.7 U	1.7 U	1.1 UT
Aroclor 1248	ug/kg	96	92	94 T	510 J	3.8 J	54	1.1 UJ	2.2 J	11	116 JT
Aroclor 1254	ug/kg	1 U	1 U	1 UT	5 U	2.2 U	1.7 U	2.1 U	4.8 J	1.7 U	4.8 JT
Aroclor 1260	ug/kg	120	170	145 T	5 UJ	5.5 J	1.7 U	3.6 J	6 J	1.7 U	5.0 JT
Aroclor 1262	ug/kg	1 U	1 U	1 UT	660 J	1.7 U	100	1.1 UJ	1.7 U	18	259 JT
Aroclor 1268	ug/kg	1 U	1 U	1 UT	290 J	1.7 U	16	1.1 UJ	1.7 U	1.7 U	153 JT
Total Aroclors	ug/kg	--	--	239 T	--	--	--	--	--	--	538 T
<b>Butyltins</b>											
Butyltin ion	ug/kg	0.043 U	0.83 J	0.83 JT	0.038 U	--	--	0.038 U	--	--	0.038 UT
Dibutyltin ion	ug/kg	0.51 J	0.73 J	0.62 JT	0.036 U	--	--	0.036 U	--	--	0.036 UT
Tetrabutyltin	ug/kg	0.099 U	0.1 U	0.099 UT	0.088 U	--	--	0.089 U	--	--	0.088 UT
Tributyltin ion	ug/kg	0.08 U	0.55 J	0.55 JT	0.071 U	--	--	0.071 U	--	--	0.071 UT
Total Butyltins	ug/kg	--	--	2 T	--	--	--	--	--	--	0.088 UT
<b>Conventionals</b>											
Ammonia	mg/kg	--	--	--	13.5	--	--	16.5	--	--	15 T
Sulfide	mg/kg	--	--	--	8.3	--	--	5	--	--	6.65 T
Total organic carbon	percent	1.45	1.13	1.29 T	0.36	--	--	0.27	--	--	0.315 T
Total solids	percent	70.5	70.3	70.4 T	79.8	86.9 T	83.2	79.1	88.9	81.3	83.2 T
<b>Dioxin/Furan Homologs</b>											
Heptachlorodibenzofuran homologs	pg/g	107	107	107 T	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	173	159	166 T	--	--	--	--	--	--	--
Hexachlorodibenzofuran homologs	pg/g	75.4	75.5	75.5 T	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	33.4	30.9	32.2 T	--	--	--	--	--	--	--
Octachlorodibenzofuran	pg/g	94.2	112	103.1 T	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	pg/g	937	1000	969 T	--	--	--	--	--	--	--
Pentachlorodibenzofuran homologs	pg/g	65.1	57.1	61.1 T	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	9.77	4.3 J	7.04 JT	--	--	--	--	--	--	--
Tetrachlorodibenzofuran homologs	pg/g	26.2	18.5	22.35 T	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	4.47	2.77	3.62 T	--	--	--	--	--	--	--
Total PCDD/F	pg/g	--	--	1546 T	--	--	--	--	--	--	--
<b>Dioxins/Furans</b>											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	29.9	27.7	28.8 T	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	88.2	79.5	83.9 T	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	2.23 J	1.92 J	2.08 JT	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	6.17 J	5.08 J	5.63 JT	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.695 J	0.557 J	0.626 JT	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	3 J	2.65 J	2.83 JT	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	4.33 J	3.46 J	3.90 JT	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.164 UJ	0.071 J	0.071 JT	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	2.58 J	1.97 J	2.28 JT	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.735 J	0.528 J	0.632 JT	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.734 J	0.588 J	0.661 JT	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	4.19 J	3.41 J	3.8 JT	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	1.67 J	1.46 J	1.57 JT	--	--	--	--	--	--	--

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-C031-C			DPSC-C039-B						
	Location Units	DPSC-C031-C (Parent)	DPSC-C531-C	DPSC-C031-C (Averaged)	DPSC-C039-B (Parent)	DPSC-C039-B-RE1	DPSC-C039-B-RE2	DPSC-C539-B	DPSC-C539-B-RE1	DPSC-C539-B-RE2	DPSC-C039-B (Averaged)
2,3,7,8-Tetrachlorodibenzofuran	pg/g	1.07 J	0.807 J	0.939 JT	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.477 J	0.359 J	0.418 JT	--	--	--	--	--	--	--
Dioxin/furan TCDD toxicity equivalent	pg/g	--	--	5.04 T	--	--	--	--	--	--	--
<b>EPH</b>											
C8-C10 Aliphatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C8-C10 Aromatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C10-C12 Aliphatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C10-C12 Aromatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C12-C16 Aliphatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C12-C16 Aromatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C16-C21 Aliphatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C16-C21 Aromatics	ug/kg	--	--	--	2400 U	--	--	2400 U	--	--	2400 UT
C21-C34 Aliphatics	ug/kg	--	--	--	14000	--	--	17000	--	--	15500 T
C21-C34 Aromatics	ug/kg	--	--	--	2400 U	--	--	4400	--	--	4400 T
<b>Grainsize (ASTM D422)</b>											
0.001MM	percent	--	--	--	0	--	--	0	--	--	0 T
0.005MM	percent	--	--	--	0	--	--	0	--	--	0 T
0.074MM	percent	--	--	--	20	--	--	21.5	--	--	20.8 T
19.0MM	percent	--	--	--	100	--	--	100	--	--	100 T
9.50MM	percent	--	--	--	91.7	--	--	91.4	--	--	91.6 T
Medium gravel	percent	--	--	--	67.9	--	--	69.2	--	--	68.6 T
Fine gravel	percent	--	--	--	47.2	--	--	53.4	--	--	50.3 T
Coarse sand	percent	--	--	--	34.8	--	--	39.6	--	--	37.2 T
Very coarse sand	percent	--	--	--	39.2	--	--	44.7	--	--	42.0 T
Medium sand	percent	--	--	--	27.2	--	--	31.2	--	--	29.2 T
Fine sand	percent	--	--	--	22.4	--	--	23.6	--	--	23 T
Very fine sand	percent	--	--	--	21.7	--	--	22.4	--	--	22.1 T
<b>Grainsize (Method PSEP)</b>											
Medium gravel	percent	3.25 J	1.42 J	2.34 JT	--	--	--	--	--	--	--
Fine gravel	percent	5.24	5.74	5.49 T	--	--	--	--	--	--	--
Very coarse sand	percent	6.73	6.57	6.65 T	--	--	--	--	--	--	--
Coarse sand	percent	7.91	7.59	7.75 T	--	--	--	--	--	--	--
Medium sand	percent	20	18.6	19.3 T	--	--	--	--	--	--	--
Fine sand	percent	32.4	36	34.2 T	--	--	--	--	--	--	--
Very fine sand	percent	11.7	12.5	12.1 T	--	--	--	--	--	--	--
Coarse silt	percent	4.5	4.45	4.48 T	--	--	--	--	--	--	--
Medium silt	percent	2.65	2.3	2.48 T	--	--	--	--	--	--	--
Fine silt	percent	1.4	1.6	1.5 T	--	--	--	--	--	--	--
Very fine silt	percent	1.7	1.63	1.67 T	--	--	--	--	--	--	--
8-9 Phi clay	percent	1.17	1.31	1.24 T	--	--	--	--	--	--	--
>9 Phi clay	percent	1.22	1.35	1.29 T	--	--	--	--	--	--	--
<b>Metals</b>											
Aluminum	mg/kg	14400	14500	14450 T	--	--	--	--	--	--	--
Antimony	mg/kg	0.516 J	0.354 J	0.435 JT	0.24	--	--	0.33	--	--	0.285 T
Arsenic	mg/kg	2.48	2.93	2.71 T	2.7	--	--	2.5	--	--	2.6 T
Cadmium	mg/kg	1.21	0.866	1.04 T	0.115	--	--	0.096	--	--	0.106 T
Chromium	mg/kg	18.2 J	38.9 J	28.6 JT	11.7 J	--	--	11.5 J	--	--	11.6 JT
Copper	mg/kg	45	34.9	40.0 T	22.7 J	--	--	21.3 J	--	--	22 JT

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-C031-C			DPSC-C039-B						
	Location Units	DPSC-C031-C (Parent)	DPSC-C531-C	DPSC-C031-C (Averaged)	DPSC-C039-B (Parent)	DPSC-C039-B-RE1	DPSC-C039-B-RE2	DPSC-C539-B	DPSC-C539-B-RE1	DPSC-C539-B-RE2	DPSC-C039-B (Averaged)
Lead	mg/kg	363 J	379 J	371 JT	9.94 J	--	--	13.1 J	--	--	11.5 JT
Mercury	mg/kg	0.333	0.296	0.315 T	0.013	--	--	0.019	--	--	0.016 T
Nickel	mg/kg	16.3	20.9	18.6 T	14.6	--	--	16.4	--	--	15.5 T
Selenium	mg/kg	0.09 J	0.03	0.06 JT	--	--	--	--	--	--	--
Silver	mg/kg	0.626	0.968	0.797 T	0.283 J	--	--	0.3 J	--	--	0.29 JT
Zinc	mg/kg	171	265	218 T	63.6	--	--	58.3	--	--	61.0 T
<b>PAHs (Method 8270C)</b>											
2-Methylnaphthalene	ug/kg	--	--	--	2.2 U	--	--	2.2 U	--	--	2.2 UT
Acenaphthene	ug/kg	--	--	--	1.4 U	--	--	1.4 U	--	--	1.4 UT
Acenaphthylene	ug/kg	--	--	--	1.2 J	--	--	1.5 J	--	--	1.35 JT
Anthracene	ug/kg	--	--	--	2.2 J	--	--	2.6 J	--	--	2.4 JT
Benzo(a)anthracene	ug/kg	--	--	--	5.5 J	--	--	5.2 J	--	--	5.35 JT
Benzo(a)pyrene	ug/kg	--	--	--	7.1 J	--	--	6 J	--	--	6.55 JT
Benzo(b)fluoranthene	ug/kg	--	--	--	11	--	--	8.8 J	--	--	9.9 JT
Benzo(g,h,i)perylene	ug/kg	--	--	--	5.1 J	--	--	5.2 J	--	--	5.15 JT
Benzo(k)fluoranthene	ug/kg	--	--	--	3.5 J	--	--	3.2 J	--	--	3.35 JT
Chrysene	ug/kg	--	--	--	9.2 J	--	--	7.1 J	--	--	8.15 JT
Dibenzo(a,h)anthracene	ug/kg	--	--	--	1.5 U	--	--	1.5 U	--	--	1.5 UT
Fluoranthene	ug/kg	--	--	--	11	--	--	11	--	--	11 T
Fluorene	ug/kg	--	--	--	1.1 U	--	--	1.1 U	--	--	1.1 UT
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	4.8 J	--	--	4.1 J	--	--	4.45 JT
Naphthalene	ug/kg	--	--	--	2.3 U	--	--	2.3 U	--	--	2.3 UT
Phenanthrene	ug/kg	--	--	--	2.8 J	--	--	3.2 J	--	--	3 JT
Pyrene	ug/kg	--	--	--	12	--	--	11	--	--	11.5 T
<b>PAHs (Method 8270CSIM)</b>											
C1-Chrysene	ug/kg	410	360	385 T	--	--	--	--	--	--	--
C1-Dibenzothiophenes	ug/kg	150	140	145 T	--	--	--	--	--	--	--
C1-Fluoranthene/pyrene	ug/kg	210	210	210 T	--	--	--	--	--	--	--
C1-Fluorene	ug/kg	51	63	57 T	--	--	--	--	--	--	--
C1-Phenanthrene/anthracene	ug/kg	300	310	305 T	--	--	--	--	--	--	--
C2-Chrysene	ug/kg	270	230	250 T	--	--	--	--	--	--	--
C2-Dibenzothiophenes	ug/kg	180	170	175 T	--	--	--	--	--	--	--
C2-Fluoranthene/pyrene	ug/kg	230	170	200 T	--	--	--	--	--	--	--
C2-Fluorene	ug/kg	170	170	170 T	--	--	--	--	--	--	--
C2-Naphthalene	ug/kg	190	210	200 T	--	--	--	--	--	--	--
C2-Phenanthrene/anthracene	ug/kg	410	410	410 T	--	--	--	--	--	--	--
C3-Chrysene	ug/kg	210	190	200 T	--	--	--	--	--	--	--
C3-Dibenzothiophenes	ug/kg	190	180	185 T	--	--	--	--	--	--	--
C3-Fluoranthene/pyrene	ug/kg	210	180	195 T	--	--	--	--	--	--	--
C3-Fluorene	ug/kg	230	280	255 T	--	--	--	--	--	--	--
C3-Naphthalene	ug/kg	420	400	410 T	--	--	--	--	--	--	--
C3-Phenanthrene/anthracene	ug/kg	440	390	415 T	--	--	--	--	--	--	--
C4-Chrysene	ug/kg	110	82	96 T	--	--	--	--	--	--	--
C4-Naphthalene	ug/kg	440	410	425 T	--	--	--	--	--	--	--
C4-Phenanthrene/anthracene	ug/kg	160	160	160 T	--	--	--	--	--	--	--
1-Methylnaphthalene	ug/kg	22	27	24.5 T	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	32	48	40 T	--	--	--	--	--	--	--
Acenaphthene	ug/kg	39	35	37 T	--	--	--	--	--	--	--

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-C031-C			DPSC-C039-B						
	Location Units	DPSC-C031-C (Parent)	DPSC-C531-C	DPSC-C031-C (Averaged)	DPSC-C039-B (Parent)	DPSC-C039-B-RE1	DPSC-C039-B-RE2	DPSC-C539-B	DPSC-C539-B-RE1	DPSC-C539-B-RE2	DPSC-C039-B (Averaged)
Acenaphthylene	ug/kg	9.1	14	11.6 T	--	--	--	--	--	--	--
Anthracene	ug/kg	29	34	31.5 T	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	100	97	98.5 T	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	91	110	101 T	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	120	130	125 T	--	--	--	--	--	--	--
Benzo(e)pyrene	ug/kg	84	94	89 T	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	72	90	81 T	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	31	40	35.5 T	--	--	--	--	--	--	--
Chrysene	ug/kg	130	140	135 T	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg	28	18	23 T	--	--	--	--	--	--	--
Dibenzothiophene	ug/kg	25	30	27.5 T	--	--	--	--	--	--	--
Fluoranthene	ug/kg	220	270	245 T	--	--	--	--	--	--	--
Fluorene	ug/kg	45	44	44.5 T	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	67	84	75.5 T	--	--	--	--	--	--	--
Naphthalene	ug/kg	27	37	32 T	--	--	--	--	--	--	--
Perylene	ug/kg	49	49	49 T	--	--	--	--	--	--	--
Phenanthrene	ug/kg	250	280	265 T	--	--	--	--	--	--	--
Pyrene	ug/kg	250	310	280 T	--	--	--	--	--	--	--
Total HPAH	ug/kg	--	--	1199 T	--	--	--	--	--	--	65.4 T
Total LPAH	ug/kg	--	--	462 T	--	--	--	--	--	--	6.75 T
Total PAHs	ug/kg	--	--	1661 T	--	--	--	--	--	--	72.2 T
<b>Pesticides</b>											
2,4'-DDD	ug/kg	19 J	18	18.5 JT	4.7 U	0.21 U	0.6 U	0.13 U	0.21 U	0.21 U	0.13 UT
2,4'-DDE	ug/kg	0.3 U	0.55 U	0.3 UT	2.5 U	0.23 U	0.6 U	0.21 U	0.23 U	0.23 U	0.21 UT
2,4'-DDT	ug/kg	9.6 UJ	14 J	14 JT	26 J	0.14 U	3.1 J	0.37	0.35 J	0.73 J	6.11 JT
4,4'-DDD	ug/kg	17	27	22 T	0.99 U	0.39 J	0.12 U	0.21 U	0.12 U	0.12 U	0.39 JT
4,4'-DDE	ug/kg	6.5 J	6.5 J	6.5 JT	0.17 U	0.25 J	0.6 U	0.28 U	0.32 J	0.19 J	0.25 JT
4,4'-DDT	ug/kg	440 J	39 J	240 JT	8.7 UJ	0.31 U	1.4 U	0.42 J	0.49 U	0.65 U	0.42 JT
Total DDD	ug/kg	--	--	40.5 T	--	--	--	--	--	--	0.39 T
Total DDE	ug/kg	--	--	6.5 T	--	--	--	--	--	--	0.25 T
Total DDT	ug/kg	--	--	254 T	--	--	--	--	--	--	6.53 T
Total DDx	ug/kg	--	--	301 T	--	--	--	--	--	--	7.17 T
Aldrin	ug/kg	0.63 UJ	0.73 UJ	0.63 UJT	0.28 U	0.15 U	0.15 U	0.056 U	0.15 U	0.15 U	0.056 UT
alpha-Endosulfan	ug/kg	0.72 J	0.2 UJ	0.72 JT	1.2 U	0.17 U	0.17 U	0.026 U	0.17 U	0.17 U	0.026 UT
alpha-Hexachlorocyclohexane	ug/kg	0.26 J	0.16 UJ	0.26 JT	0.24 U	0.26 U	0.26 U	0.048 U	0.26 U	0.26 U	0.048 UT
beta-Endosulfan	ug/kg	2 J	1.6	1.8 JT	12 J	0.19 U	1.3	0.072 J	0.19 U	0.24 J	3.40 JT
beta-Hexachlorocyclohexane	ug/kg	0.77	0.72	0.745 T	0.27 U	0.3 U	0.72 U	0.055 U	0.3 U	0.3 U	0.055 UT
cis-Chlordane	ug/kg	1.9 J	1.3 J	1.6 JT	1.2 U	0.32 J	0.23 U	0.033 U	0.23 U	0.23 U	0.32 JT
cis-Nonachlor	ug/kg	10 U	11 U	10 UT	1.2 U	0.071 U	0.6 U	0.054 U	0.071 U	0.11 U	0.054 UT
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.62 U	0.037 UT	0.99 U	0.055 U	0.27 U	0.038 U	0.071 U	0.14 U	0.038 UT
Dieldrin	ug/kg	7.8	7.1	7.45 T	0.18 U	0.29 U	0.29 U	0.037 U	0.29 U	0.29 U	0.037 UT
Endosulfan sulfate	ug/kg	0.053 U	0.15 U	0.053 UT	0.27 U	0.082 U	0.6 U	0.21 U	0.19 U	0.61 U	0.082 UT
Endrin	ug/kg	0.35 U	0.31 U	0.31 UT	1.5 J	0.2 U	0.2 U	0.047 UJ	0.2 U	0.2 U	1.5 JT
Endrin aldehyde	ug/kg	0.24 U	0.2 U	0.2 UT	3.1 U	0.053 U	0.6 U	0.048 U	0.053 U	0.61 U	0.048 UT
Endrin ketone	ug/kg	1.3 U	1.7 U	1.3 UT	62	0.35 U	9.2 U	0.44 J	0.43 U	2 U	31.2 JT
gamma-Hexachlorocyclohexane	ug/kg	0.68 J	0.25 UJ	0.68 JT	0.22 U	0.15 U	0.15 U	0.044 U	0.15 U	0.15 U	0.044 UT
Heptachlor	ug/kg	0.36 U	0.07 U	0.07 UT	0.35 U	0.08 U	0.08 U	0.071 U	0.08 U	0.08 U	0.071 UT
Heptachlor epoxide	ug/kg	0.057 U	0.057 U	0.057 UT	1.5 U	0.13 U	1.1 U	0.12 U	0.13 U	0.27 J	0.27 JT



**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-C031-C			DPSC-C039-B						
	Location Units	DPSC-C031-C (Parent)	DPSC-C531-C	DPSC-C031-C (Averaged)	DPSC-C039-B (Parent)	DPSC-C039-B-RE1	DPSC-C039-B-RE2	DPSC-C539-B	DPSC-C539-B-RE1	DPSC-C539-B-RE2	DPSC-C039-B (Averaged)
Methoxychlor	ug/kg	1.3 U	2.8 U	1.3 UT	21 J	0.1 U	2.1 U	0.055 UJ	0.1 U	0.61 U	21 JT
Mirex	ug/kg	0.22 U	0.25 U	0.22 UT	0.25 U	0.063 U	0.063 U	0.05 U	0.063 U	0.063 U	0.05 UT
Oxychlorane	ug/kg	0.054 U	0.2 U	0.054 UT	0.27 U	0.058 U	0.059 U	0.84 U	0.058 U	0.058 U	0.058 UT
Total Chlordanes	ug/kg	--	--	8.1 T	--	--	--	--	--	--	0.98 T
Total Endosulfans	ug/kg	--	--	2.52 T	--	--	--	--	--	--	3.40 T
Toxaphene	ug/kg	110 U	110 U	110 UT	270 U	9.2 U	60 U	16 U	10 U	17 U	9.2 UT
trans-Chlordane	ug/kg	5.4 J	7.6 J	6.5 JT	0.99 U	0.57 J	0.064 U	0.036 U	0.25 J	0.064 U	0.41 JT
trans-Nonachlor	ug/kg	0.58 U	0.86 U	0.58 UT	1.2 U	0.25 J	0.066 U	0.21 U	0.066 U	0.1 U	0.25 JT
<b>Petroleum</b>											
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	340 J	300 J	320 JT	--	--	--	--	--	--	--
Residual Range Hydrocarbons (silica gel treated)	mg/kg	1200 J	800 J	1000 JT	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	--	--	1320 T	--	--	--	--	--	--	--
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	4.3 U	4.3 U	4.3 UT	--	--	--	--	--	--	--
2,3,5,6-Tetrachlorophenol	ug/kg	5.3 U	5.3 U	5.3 UT	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	3.7 U	3.7 U	3.7 UT	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	3.9 U	3.8 U	3.8 UT	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1 U	1 U	1 UT	1 U	--	--	1 U	--	--	1 UT
2,4-Dimethylphenol	ug/kg	5.5 U	5.5 U	5.5 UT	5.5 U	--	--	5.5 U	--	--	5.5 UT
2,4-Dinitrophenol	ug/kg	17 U	17 U	17 UT	17 U	--	--	17 U	--	--	17 UT
2-Chlorophenol	ug/kg	2 U	2 U	2 UT	2 U	--	--	2 U	--	--	2 UT
2-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 UT	1.5 U	--	--	1.5 U	--	--	1.5 UT
2-Nitrophenol	ug/kg	1.5 U	1.5 U	1.5 UT	1.5 U	--	--	1.5 U	--	--	1.5 UT
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	1.4 UT	1.4 U	--	--	1.4 U	--	--	1.4 UT
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	1.4 UT	1.4 U	--	--	1.4 U	--	--	1.4 UT
4-Methylphenol	ug/kg	12	14	13 T	1.5 U	--	--	1.5 U	--	--	1.5 UT
4-Nitrophenol	ug/kg	18 U	18 U	18 UT	18 U	--	--	18 U	--	--	18 UT
Pentachlorophenol	ug/kg	5 U	5 U	5 UT	--	--	--	--	--	--	--
Phenol	ug/kg	2 U	2 U	2 UT	2 U	--	--	2 U	--	--	2 UT
<b>Phthalates</b>											
Bis(2-ethylhexyl)phthalate	ug/kg	730	900	815 T	14 J	--	--	22	--	--	18 JT
Butylbenzyl phthalate	ug/kg	23	43	33 T	3.2 U	--	--	3.2 U	--	--	3.2 UT
Dibutyl phthalate	ug/kg	26	15	20.5 T	7.9 U	--	--	7.9 U	--	--	7.9 UT
Diethyl phthalate	ug/kg	17 U	12 U	12 UT	3.1 U	--	--	3.6 U	--	--	3.1 UT
Dimethyl phthalate	ug/kg	1 U	1 U	1 UT	1.8 J	--	--	1 U	--	--	1.8 JT
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 UT	1.7 U	--	--	1.7 U	--	--	1.7 UT
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 UT	2.6 U	--	--	2.6 U	--	--	2.6 UT
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 UT	2.9 U	--	--	2.9 U	--	--	2.9 UT
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 UT	3 U	--	--	3 U	--	--	3 UT
1,4-Dichlorobenzene	ug/kg	300	330	315 T	2.9 U	--	--	2.9 U	--	--	2.9 UT
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 UT	1.5 U	--	--	1.5 U	--	--	1.5 UT
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 UT	2 U	--	--	2 U	--	--	2 UT
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 UT	1.6 U	--	--	1.6 U	--	--	1.6 UT
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 UT	3.2 U	--	--	3.2 U	--	--	3.2 UT
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 UT	3.7 U	--	--	3.7 U	--	--	3.7 UT
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 UT	2.5 U	--	--	2.5 U	--	--	2.5 UT
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 UT	1.6 U	--	--	1.6 U	--	--	1.6 UT

**Table 6-1**  
**Analytical Results and Data Reduction of Splits and Reanalyzed Samples**

Analyte	Reduced Sample ID	DPSC-C031-C			DPSC-C039-B						
	Location Units	DPSC-C031-C (Parent)	DPSC-C531-C	DPSC-C031-C (Averaged)	DPSC-C039-B (Parent)	DPSC-C039-B-RE1	DPSC-C039-B-RE2	DPSC-C539-B	DPSC-C539-B-RE1	DPSC-C539-B-RE2	DPSC-C039-B (Averaged)
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 UT	1.9 U	--	--	1.9 U	--	--	1.9 UT
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 UT	1.4 U	--	--	1.4 U	--	--	1.4 UT
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 UT	1.8 U	--	--	1.8 U	--	--	1.8 UT
Aniline	ug/kg	--	--	--	1.5 U	--	--	1.5 U	--	--	1.5 UT
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 UT	1.1 U	--	--	1.1 U	--	--	1.1 UT
Benzoic acid	ug/kg	96 U	96 U	96 UT	96 U	--	--	96 U	--	--	96 UT
Benzyl alcohol	ug/kg	2.1 U	2.1 U	2.1 UT	2.1 U	--	--	4.1 J	--	--	4.1 JT
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 UT	1.5 U	--	--	1.5 U	--	--	1.5 UT
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 UT	1.9 U	--	--	1.9 U	--	--	1.9 UT
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 UT	2.6 U	--	--	2.6 U	--	--	2.6 UT
Carbazole	ug/kg	14	1.3 U	14 T	1.3 U	--	--	1.5 J	--	--	1.5 JT
Dibenzofuran	ug/kg	10	11	10.5 T	1.2 U	--	--	1.2 U	--	--	1.2 UT
Hexachlorobenzene	ug/kg	0.21 U	0.22 U	0.21 UT	0.6 U	0.079 U	0.079 U	0.13 U	0.079 U	0.16 U	0.079 UT
Hexachlorobutadiene	ug/kg	0.14 U	0.065 U	0.065 UT	0.33 U	0.13 U	0.6 U	0.066 U	0.35 J	0.18 U	0.35 JT
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 UT	29 U	--	--	29 U	--	--	29 UT
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 UT	0.4 U	0.15 U	0.15 U	0.08 U	0.15 U	0.15 U	0.08 UT
Isophorone	ug/kg	1 U	1 U	1 UT	1 U	--	--	1 U	--	--	1 UT
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 UT	2.2 U	--	--	2.2 U	--	--	2.2 UT
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 UT	6.1 U	--	--	6.1 U	--	--	6.1 UT
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 UT	1.6 U	--	--	1.6 U	--	--	1.6 UT
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 UT	2.4 U	--	--	2.4 U	--	--	2.4 UT
<b>VPH</b>											
Benzene	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
Docane	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
Dodecane	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
Ethylbenzene	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
m,p-Xylene	ug/kg	--	--	--	4200 U	--	--	4000 U	--	--	4000 UT
Methyl tert-butyl ether	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
n-Hexane	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
Octane	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
o-Xylene	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
Pentane	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
Toluene	ug/kg	--	--	--	2100 U	--	--	2000 U	--	--	2000 UT
C5-C6 Aliphatics	ug/kg	--	--	--	21000 U	--	--	20000 U	--	--	20000 UT
C6-C8 Aliphatics	ug/kg	--	--	--	21000 U	--	--	20000 U	--	--	20000 UT
C8-C10 Aliphatics	ug/kg	--	--	--	21000 U	--	--	20000 U	--	--	20000 UT
C8-C10 Aromatics	ug/kg	--	--	--	21000 U	--	--	20000 U	--	--	20000 UT
C10-C12 Aliphatics	ug/kg	--	--	--	21000 U	--	--	20000 U	--	--	20000 UT
C10-C12 Aromatics	ug/kg	--	--	--	21000 U	--	--	20000 U	--	--	20000 UT
C12-C13 Aromatics	ug/kg	--	--	--	21000 U	--	--	20000 U	--	--	20000 UT

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G001 12.3 West 0 - 21	DPSC-G002 12.3 West 0 - 14	DPSC-G003 12.5 West 0 - 20	DPSC-G005* 12.8 West 0 - 17	DPSC-G006 12.9 West 0 - 7	DPSC-G007 13 West 0 - 12	DPSC-G008* 13 West 0 - 29	DPSC-G009 13.2 West 0 - 23	DPSC-G010 13.3 West 0 - 19	DPSC-G011 13.3 West 0 - 30	DPSC-G012 13.4 West 0 - 25	DPSC-G013 13.4 West 0 - 29
<b>PCB Aroclors</b>													
Aroclor 1016	ug/kg	2.6 U	1 U	1 U	1 U	5.3 U	1.6 U	1 UT	1.1 U	1 U	1 U	1 U	4.5 U
Aroclor 1221	ug/kg	1 U	1 U	1 U	1 U	7.9 U	1.6 U	1 UT	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1232	ug/kg	3.4 U	1 U	1 U	1 U	3.5 U	1.6 U	3.6 UT	1.1 U	1 U	1 U	1 U	15 U
Aroclor 1242	ug/kg	1 U	1 U	1 U	1 U	2.2 U	12 U	3 UT	1.1 U	1 U	5.4 U	4.3 U	5.1 U
Aroclor 1248	ug/kg	1 U	1 U	1 U	1 U	1.6 U	1.6 U	1 UT	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1254	ug/kg	5.7 U	1 U	1 U	2.9	21	100	6.75 T	20	9 J	30 J	29 J	26 U
Aroclor 1260	ug/kg	22	2.7	1 U	4	17	36	6.4 T	15	11	27	17	21
Aroclor 1262	ug/kg	1 U	1 U	1 U	1 U	1.6 U	1.6 U	1 UT	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	2.6	1.6 U	14	1 UT	1.1 U	1 U	1 U	1 U	1 U
Total Aroclors	ug/kg	22 T	2.7 T	1 UT	9.5 T	38 T	150 T	13.2 T	35 T	20 T	57 T	46 T	21 T
<b>Butyltins</b>													
Butyltin ion	ug/kg	0.032 U	0.047 U	0.046 U	81.1 T	3.2	11	2.05 JT	2.1 J	1.6 J	0.057 U	5.6	0.054 U
Dibutyltin ion	ug/kg	0.57 J	0.044 U	0.043 U	1301 T	4	30	2.05 JT	1.5 J	0.64 J	0.053 U	10	0.05 U
Tetrabutyltin	ug/kg	0.075 U	0.11 U	0.11 U	39 T	0.11 U	0.11 U	0.13 UT	0.16 U	0.13 U	0.14 U	0.12 U	0.13 U
Tributyltin ion	ug/kg	0.85 J	0.087 U	0.086 U	1700 JT	1.7	40	8.1 T	0.13 U	0.86 J	0.11 U	33	0.1 U
Total Butyltins	ug/kg	1.42 T	0.11 UT	0.11 UT	3121 T	8.9 T	81 T	12.2 T	3.6 T	3.1 T	0.14 UT	48.6 T	0.13 UT
<b>Conventionals</b>													
Total organic carbon	percent	0.115 T	1.03	0.08	0.68	0.76	1.7	1.47 T	2.06	1.13	2.66	1.27 T	2.32
Total solids	percent	93.6	64.7	65.1 T	78.8 T	65.2	64.1	54.8 T	45.4	56.5	52.8	57.7 T	54.9
<b>Dioxin/Furan Homologs</b>													
Heptachlorodibenzofuran homologs	pg/g	--	8.45	--	--	--	24.5	--	0.401 U	3.92 J	--	15.6	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	--	21.4	--	--	--	211	--	4.93 U	11.7	--	69.2	--
Hexachlorodibenzofuran homologs	pg/g	--	5.01	--	--	--	16.8	--	0.28 U	2.26 J	--	10.7	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	--	2.5 J	--	--	--	19.7	--	0.0617 U	2.19 J	--	14.5	--
Octachlorodibenzofuran	pg/g	--	5.14 J	--	--	--	23.1	--	1.25 U	4.27 J	--	12.6 J	--
Octachlorodibenzo-p-dioxin	pg/g	--	112	--	--	--	1000	--	22.5 U	45.5	--	325	--
Pentachlorodibenzofuran homologs	pg/g	--	1.74 J	--	--	--	15.3	--	0.0291 U	0.655 J	--	6.56 J	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	--	0.417 J	--	--	--	3.01 J	--	0.0442 U	0.251 J	--	0.669 J	--
Tetrachlorodibenzofuran homologs	pg/g	--	1.57	--	--	--	10	--	0.0318 U	0.0181 U	--	1.14 J	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	--	0.671 J	--	--	--	3.09	--	0.0302 U	0.0344 U	--	0.194 J	--
Total PCDD/F	pg/g	--	158.898 T	--	--	--	1326.5 T	--	22.5 UT	70.8 T	--	456 T	--
<b>Dioxins/Furans</b>													
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	--	3.02 J	--	--	--	7.18 J	--	0.401 U	1.25 J	--	4.72 J	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	--	11.8	--	--	--	102	--	2.45 U	5.82 J	--	33.4	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	--	0.25 J	--	--	--	0.588 J	--	0.0807 U	0.105 J	--	0.292 J	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	--	0.617 J	--	--	--	1.09 J	--	0.0324 U	0.207 J	--	0.644 J	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	0.0759 J	--	--	--	0.642 J	--	0.0617 U	0.0376 U	--	0.319 J	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	--	0.242 J	--	--	--	0.773 J	--	0.0352 U	0.162 J	--	0.649 J	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	0.484 J	--	--	--	2.9 J	--	0.0693 U	0.492 J	--	2.63 J	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	--	0.0243 U	--	--	--	0.0556 U	--	0.034 U	0.0267 U	--	0.101 U	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	--	0.289 J	--	--	--	1.72 J	--	0.0613 U	0.21 J	--	1.06 J	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	--	0.108 J	--	--	--	0.344 J	--	0.0312 U	0.0319 U	--	0.033 U	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	--	0.0836 J	--	--	--	0.588 J	--	0.0442 U	0.0344 U	--	0.242 J	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	--	0.255 J	--	--	--	1 J	--	0.033 U	0.162 J	--	0.556 J	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	--	0.122 J	--	--	--	0.583 J	--	0.0291 U	0.0693 J	--	0.223 J	--
2,3,7,8-Tetrachlorodibenzofuran	pg/g	--	0.212 J	--	--	--	1.02 J	--	0.0318 U	0.192 U	--	0.462 J	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G001	DPSC-G002	DPSC-G003	DPSC-G005*	DPSC-G006	DPSC-G007	DPSC-G008*	DPSC-G009	DPSC-G010	DPSC-G011	DPSC-G012	DPSC-G013
		12.3 West 0 - 21	12.3 West 0 - 14	12.5 West 0 - 20	12.8 West 0 - 17	12.9 West 0 - 7	13 West 0 - 12	13 West 0 - 29	13.2 West 0 - 23	13.3 West 0 - 19	13.3 West 0 - 30	13.4 West 0 - 25	13.4 West 0 - 29
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	--	0.0668 J	--	--	--	0.17 J	--	0.0302 U	0.0344 U	--	0.147 J	--
Dioxin/furan TCDD toxicity equivalent	pg/g	--	0.593572 T	--	--	--	3.26 T	--	0.0442 UT	0.231 T	--	1.57 T	--
<b>Grainsize</b>													
Medium gravel	percent	65.7	29.9	32	74.5	64.5	6.07	0 T	0	0	0	0.05	0
Fine gravel	percent	12.7	3.93	11.4	3.62	6.86	11.8	0.21 JT	0.65	0.07	1.36	0.07	0.73
Very coarse sand	percent	1.25	5.78	3.76	3.39	6.14	14.4	0.77 T	1.05	0.31	1.67	0.26	1.33
Coarse sand	percent	3.18	8.21	6.92	5.51	12.1	22.7	0.81 T	0.75	0.33	2.56	0.45	0.85
Medium sand	percent	5.92	19.5	15.9	7.39	12.1	29	2.76 T	0.98	1.37	2.48	1.44	2.62
Fine sand	percent	3.67	16.5	17.3	5.9	6.41	16.7	24.5 T	5.18	23	16.4	18.7	11.7
Very fine sand	percent	0.46	5.59	8.91	1.57	2.32	1.18	33.8 T	22.6	34.9	17	31.7	12.7
Coarse silt	percent	0.19	4.85	4.28	1.12	1.66	0.47	21.65 T	43.5	23.1	13.5	23.9	13.8
Medium silt	percent	0.2	4.43	3.38	1.37	2.24	0.68	7.46 T	11.4	7.56	13.1	11	15.2
Fine silt	percent	0.17	4.17	1.88	1.05	1.21	0.58	3.78 T	5.58	3.6	16.4	5.19	11.3
Very fine silt	percent	0.19	2.71	1.19	0.63	0.77	0.37	2.39 T	3.26	3.17	2.1	2.56	8.61
8-9 Phi clay	percent	0.01	1.89	0.97	0.48	0.68	0	1.83 T	2.32	1.24	4.63	2.07	5.14
>9 Phi clay	percent	0.18	2.52	1.25	0.46	0.55	0.16	2.28 T	2.95	2.05	11.3	4.4	11.7
<b>Metals</b>													
Aluminum	mg/kg	5340	10800	14300 J	7930	8240	5880	16900 T	26350 T	27300 J	31000 J	21500 J	31100 J
Antimony	mg/kg	0.2	0.61	0.39	0.35	7.37	0.46	0.18 T	0.305 T	0.14 J	0.14	0.21	0.14
Arsenic	mg/kg	3.11	2.57	3.44	5.4	126	12.7	2.45 T	3.78 T	2.79	3.45	3.02	3.33
Cadmium	mg/kg	0.216	0.151	0.241	0.143	1.25	0.33	0.201 T	0.291 T	0.192 J	0.32 J	0.239 J	0.289 J
Chromium	mg/kg	6.9	11.6	30.4	17.8	34.9	20.9	18.6 T	28 T	20.7	22.1	21.6	23
Copper	mg/kg	25.1	22.8	35.6 J	19.6	264	49.4	24.8 T	38.5 T	23.2	29.1	26.9	30.7
Lead	mg/kg	198 J	89 J	124	197 J	428 J	60.1 J	14.2 JT	19.2 T	17 J	25.2	31.8 J	24.5 J
Mercury	mg/kg	0.0325 T	0.431	4.06	0.067	0.05	0.043	0.0595 T	0.175	0.055	0.459	0.085 T	0.659
Nickel	mg/kg	8.07	13.9	19.8	13.1	18.5	13	18.0 T	23.15 T	18.6	19.7	19.2	20.6
Selenium	mg/kg	0.03	0.05	0.06	0.05	0.07	0.02	0.095 JT	0.175 T	0.13	0.19	0.07	0.12
Silver	mg/kg	1.65	0.604	1.2	0.238	0.244	0.214	0.292 T	0.2075 JT	0.091	0.308	0.181	0.341
Zinc	mg/kg	57.5	66.4	93.3 J	87.9	858	210	66.3 T	100.5 T	74.5 J	113 J	77.7 J	92.5 J
<b>PAHs</b>													
C1-Chrysene	ug/kg	4.8	95	1300	53	170	320	32 T	23	10	11	19	6.7
C1-Dibenzothiophene	ug/kg	0.21 U	24	870	2.5 J	13	19	2.45 JT	1.8 J	0.77 J	14	7.6	15
C1-Fluoranthene/pyrene	ug/kg	3.2	120	3400	74	510	390	31 T	15	9.6	15	21	11
C1-Fluorene	ug/kg	0.5 U	16	640	4	90	22	2.3 JT	1.3 J	0.82 J	4.7	2.3 J	4.2
C1-Phenanthrene/anthracene	ug/kg	1.4 J	92	3000	30	530	340	18.5 T	9.3	5.4	15	13	12
C2-Chrysene	ug/kg	12	80	770	33	83	290	21 T	16	7.3	7.5	20	6
C2-Dibenzothiophene	ug/kg	0.21 U	33	970	6.5	33	81	4.75 T	4.5	0.21 U	7.8	8.9	7.8
C2-Fluoranthene/pyrene	ug/kg	4.8	88	1400	42	100	250	19 T	14	7.2	10	18	7.4
C2-Fluorene	ug/kg	0.5 U	35	1100	6.2	64	49	3.75 T	2.9	2 J	10	6.8	9.9
C2-Naphthalene	ug/kg	0.69 J	45	1200	6.8	110	24	6.1 T	2.9	2.5	27	6.5	31
C2-Phenanthrene/anthracene	ug/kg	2.3 J	130	2500	31	190	280	19.5 T	11	6	24	22	21
C3-Chrysene	ug/kg	15	65	540	23	55	280	21.5 T	17	7.9	6.8	20	5.9
C3-Dibenzothiophene	ug/kg	0.21 U	32	660	0.21 U	17	140	6.75 T	6.1	0.21 U	4.9	9.2	5.7
C3-Fluoranthene/pyrene	ug/kg	5.6	57	900	21	46	210	13.5 T	12	0.61 U	6.3	15	0.61 U
C3-Fluorene	ug/kg	0.5 U	52	1900	9.4	57	74	6.95 T	7.1	2.8	14	12	14
C3-Naphthalene	ug/kg	0.54 J	33	1400	4.9	130	31	4.85 T	2.7 J	2.2 J	29	8.7	32
C3-Phenanthrene/anthracene	ug/kg	8.5	130	1900	24	71	230	12.5 T	12	6.7	17	24	15

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G001	DPSC-G002	DPSC-G003	DPSC-G005*	DPSC-G006	DPSC-G007	DPSC-G008*	DPSC-G009	DPSC-G010	DPSC-G011	DPSC-G012	DPSC-G013
		12.3 West 0 - 21	12.3 West 0 - 14	12.5 West 0 - 20	12.8 West 0 - 17	12.9 West 0 - 7	13 West 0 - 12	13 West 0 - 29	13.2 West 0 - 23	13.3 West 0 - 19	13.3 West 0 - 30	13.4 West 0 - 25	13.4 West 0 - 29
C4-Chrysene	ug/kg	7.3	29	210	8	32	150	11.5 T	6.9	0.25 U	0.25 U	12	0.25 U
C4-Naphthalene	ug/kg	0.37 U	40	1500	4.5	44	37	4 T	3.2	2 J	29	11	38
C4-Phenanthrene/anthracene	ug/kg	5	53	1100	20	20	170	7.5 JT	7.4	3.6	7.1	12	8
1-Methylnaphthalene	ug/kg	0.31 U	11	610	3.4	11	9.1	3.4 T	1.2 J	0.96 J	3.4	1.6 J	4
2-Methylnaphthalene	ug/kg	0.39 U	20	990	6.6	9.4	11	4.65 T	1.8 J	1.6 J	5.8	2.8	6.2
Acenaphthene	ug/kg	0.23 U	14	1900	4	260	32	20 T	1.7 J	0.61 J	1.7 J	1.2 J	1.7 J
Acenaphthylene	ug/kg	0.3 J	9.4	490	13	100	37	1.5 JT	1.4 J	0.75 J	4.3	2.1 J	4.5
Anthracene	ug/kg	0.55 J	27	1200	17	340	97	12.5 JT	3	1.8 J	2.5	3.1	3
Benzo(a)anthracene	ug/kg	1.8 J	69	2100	63	660	340	31.5 T	12	7.8	11	18	4.9
Benzo(a)pyrene	ug/kg	2.7	90	2100	90	1500	340	31.5 JT	15	8	12	21	6.2
Benzo(b)fluoranthene	ug/kg	3.4	91	2000	83	1300	450	43 JT	21	11	15	27	7.5
Benzo(e)pyrene	ug/kg	3.4	58	1200	56	890	260	24.5 T	14	7.7	10	18	5.3
Benzo(g,h,i)perylene	ug/kg	3.5	74	1400	67	1200	190	24.5 T	16	8.5	10	19	6.8
Benzo(k)fluoranthene	ug/kg	0.96 J	31	710	29	370	170	15 JT	7.4	4.3	5.5	13	2.9
Chrysene	ug/kg	2.5	80	2200	65	720	370	37 JT	18	9.2	13	23	6.5
Dibenzo(a,h)anthracene	ug/kg	0.88 J	15	230	11	130	56	5.55 T	3.1	1.8 J	1.9 J	4.1	1.2 J
Dibenzothiophene	ug/kg	0.21 U	12	650	3.1	110	19	3.45 T	0.96 J	0.39 J	1 J	1.3 J	1.2 J
Fluoranthene	ug/kg	3.7	130	6200	61	1700	860	75 T	30	15	24	36	16
Fluorene	ug/kg	0.5 U	16	990	7	210	34	13.5 T	2 J	0.85 J	3.1	2.1 J	3.4
Indeno(1,2,3-cd)pyrene	ug/kg	2.6	75	1400	64	1100	220	24 T	14	7.5	10	18	6
Naphthalene	ug/kg	0.97 J	65	5300	20	35	29	16.5 T	6.1	4.6	18	6	23
Perylene	ug/kg	3.4	55	530	26	400	99	19.5 T	19	9.3	15	25	12
Phenanthrene	ug/kg	2.8	110	3500	41	1300	410	62.5 T	16	7.1	17	17	18
Pyrene	ug/kg	4.5	180	7600	110	2100	830	71.5 T	30	17	26	43	19
Total C1-PAHs	ug/kg	9.4 T	347 T	9210 T	163.5 T	1313 T	1091 T	86.25 T	50.4 T	26.59 T	59.7 T	62.9 T	48.9 T
Total C2-PAHs	ug/kg	19.79 T	411 T	7940 T	125.5 T	580 T	974 T	74.1 T	51.3 T	25 T	86.3 T	82.2 T	83.1 T
Total C3-PAHs	ug/kg	29.64 T	369 T	7300 T	82.3 T	376 T	965 T	66.05 T	56.9 T	19.6 T	78 T	88.9 T	72.6 T
Total C4-PAHs	ug/kg	12.3 T	122 T	2810 T	32.5 T	96 T	357 T	23 T	17.5 T	5.6 T	36.1 T	35 T	46 T
Total HPAHs	ug/kg	26.5 T	835 T	25940 T	643 T	10780 T	3826 T	359 T	167 T	90.1 T	128 T	222 T	77 T
Total LPAHs	ug/kg	4.62 T	261 T	14370 T	109 T	2254 T	650 T	131 T	32 T	17.3 T	52.4 T	34.3 T	59.8 T
Total PAHs	ug/kg	31.2 T	1096 T	40310 T	752 T	13034 T	4476 T	490 T	199 T	107 T	181 T	256 T	137 T
<b>Pesticides</b>													
2,4'-DDD	ug/kg	0.7	0.095 J	0.2 J	0.21	0.71 U	1.6 U	0.24 UT	0.47 U	0.39 U	2.5 J	1.9 J	1.8 J
2,4'-DDE	ug/kg	0.24 U	0.042 U	0.03 U	0.16 U	0.31 U	0.047 U	0.18 UT	0.7 U	0.18 U	0.34 U	0.24 U	0.67 U
2,4'-DDT	ug/kg	0.39 U	0.16 U	0.15 U	0.42	1.8	6.6 J	0.68 T	1.8	0.81 U	1.6	2.2	1.9 J
4,4'-DDD	ug/kg	0.089 J	0.047 U	0.77 U	0.42	0.95	0.55 J	0.685 T	2.6 J	0.84	2.6	1.3	2.6
4,4'-DDE	ug/kg	0.11 U	0.039 J	0.48 U	0.42 J	1.4 J	0.73 U	1.15 T	3.3 J	1.2	5.2	1.7	6.3
4,4'-DDT	ug/kg	2.2	0.26	0.2 U	0.65	3 U	8.4	0.955 JT	2.8	1.4	2.2	11	1.8
Total DDD	ug/kg	0.789 T	0.095 T	0.2 T	0.63 T	0.95 T	0.55 T	0.685 T	2.6 T	0.84 T	5.1 T	3.2 T	4.4 T
Total DDE	ug/kg	0.24 UT	0.039 T	0.48 UT	0.42 T	1.4 T	0.73 UT	1.15 T	3.3 T	1.2 T	5.2 T	1.7 T	6.3 T
Total DDT	ug/kg	2.2 T	0.26 T	0.2 UT	1.07 T	1.8 T	15 T	1.64 T	4.6 T	1.4 T	3.8 T	13.2 T	3.7 T
Total DDx	ug/kg	2.99 T	0.394 T	0.2 T	2.12 T	4.15 T	15.6 T	3.47 T	10.5 T	3.44 T	14.1 T	18.1 T	14.4 T
Aldrin	ug/kg	0.055 U	0.055 U	0.055 U	0.055 U	0.085 U	0.086 U	0.1 JT	0.19 J	0.12 U	0.055 U	0.28 J	0.15 J
alpha-Endosulfan	ug/kg	0.086 J	0.05 J	0.16 U	0.065 J	0.13 J	0.83	0.056 UT	0.22 U	0.05 U	0.055 U	0.18 J	0.28
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.051 U	0.062 U	0.047 U	0.072 U	0.074 U	0.047 UT	0.052 U	0.047 U	0.077 U	0.047 U	0.047 U
beta-Endosulfan	ug/kg	0.11 U	0.051 U	0.16 U	0.051 U	0.31 U	3.6 U	0.24 JT	0.16 U	0.18 U	0.45 J	0.37 J	0.23
beta-Hexachlorocyclohexane	ug/kg	0.094 J	0.054 U	0.16 U	0.054 U	0.083 U	0.32 U	0.054 UT	0.06 U	0.054 U	0.054 U	0.054 U	0.19 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G001	DPSC-G002	DPSC-G003	DPSC-G005*	DPSC-G006	DPSC-G007	DPSC-G008*	DPSC-G009	DPSC-G010	DPSC-G011	DPSC-G012	DPSC-G013
		12.3 West 0 - 21	12.3 West 0 - 14	12.5 West 0 - 20	12.8 West 0 - 17	12.9 West 0 - 7	13 West 0 - 12	13 West 0 - 29	13.2 West 0 - 23	13.3 West 0 - 19	13.3 West 0 - 30	13.4 West 0 - 25	13.4 West 0 - 29
cis-Chlordane	ug/kg	0.11 J	0.032 U	0.25 U	0.032 U	0.31 U	0.05 U	0.31 JT	0.82 J	0.18 U	0.032 U	0.066 U	0.19 U
cis-Nonachlor	ug/kg	1.4 U	0.18 U	0.16 U	0.31 U	0.76 U	3.1 U	0.5 UT	1.3 U	0.053 U	1.2 U	0.93 U	1.4 U
delta-Hexachlorocyclohexane	ug/kg	0.11 U	0.037 U	0.12 U	0.037 U	0.057 U	0.058 U	0.037 UT	0.041 U	0.037 U	0.037 U	0.037 U	0.037 U
Dieldrin	ug/kg	0.036 U	0.036 U	0.16 U	0.036 U	0.31 U	0.33 U	0.036 UT	0.04 U	0.18 U	0.036 U	0.18 U	0.036 U
Endosulfan sulfate	ug/kg	0.053 U	0.053 U	0.83 U	0.11 J	0.51 U	0.81 U	0.18 UT	0.22 U	0.18 U	0.053 U	0.18 U	0.053 U
Endrin	ug/kg	0.046 U	0.046 U	0.16 U	0.16 U	0.071 U	0.32 U	0.046 UT	0.18 U	0.18 U	0.19 U	0.18 U	0.19 U
Endrin aldehyde	ug/kg	0.28 U	0.05 U	0.74 U	0.079 U	0.86 U	1.1 J	0.047 UT	0.19 J	0.18 U	0.19 U	0.18 U	0.19 U
Endrin ketone	ug/kg	0.35 U	0.16 U	0.042 U	0.25 U	0.87 J	1.3 U	0.18 UT	0.39 U	0.18 U	0.38 U	0.93 J	0.38 U
gamma-Hexachlorocyclohexane	ug/kg	0.043 U	0.16 U	0.35 J	0.043 U	0.65 J	1.1 U	0.18 UT	0.22 U	0.18 U	0.19 U	0.18 U	0.19 U
Heptachlor	ug/kg	0.07 U	0.07 U	0.14 U	0.07 U	0.11 U	0.33 U	0.07 UT	0.077 U	0.07 U	0.07 U	0.07 U	0.07 U
Heptachlor epoxide	ug/kg	0.11 U	0.081 J	0.057 U	0.23 J	0.31 U	0.36 U	0.18 UT	0.22 U	0.18 U	0.19 U	0.18 U	0.057 U
Methoxychlor	ug/kg	0.17 U	0.075 U	0.93 U	0.054 U	0.34 U	0.54 U	0.14 UT	0.06 U	1.2	0.19 U	0.29 U	0.24 U
Mirex	ug/kg	0.049 U	0.049 U	0.26 U	0.049 U	0.16 U	0.077 U	0.049 UT	0.054 U	0.049 U	0.049 U	0.049 U	0.049 U
Oxychlordane	ug/kg	0.054 U	0.054 U	0.49 U	0.054 U	0.083 U	0.085 U	0.18 UT	0.22 U	0.054 U	0.12 U	0.054 U	0.54 J
Total Chlordanes	ug/kg	0.71 T	0.18 UT	0.08 T	0.25 T	0.94 T	3.6 T	0.865 T	1.82 T	0.62 T	0.5 T	1.1 T	1.2 T
Total Endosulfans	ug/kg	0.086 T	0.05 T	0.83 UT	0.175 T	0.13 T	0.83 T	0.24 T	0.22 UT	0.18 UT	0.45 T	0.55 T	0.51 T
Toxaphene	ug/kg	16 U	4.3 U	22 U	12 U	22 U	110 U	6.8 UT	29 U	21 U	27 U	20 U	23 U
trans-Chlordane	ug/kg	0.6 J	0.055 U	0.16 U	0.25 J	0.94 J	3.6 J	0.385 T	1	0.62 J	0.5 J	1.1	0.66 J
trans-Nonachlor	ug/kg	0.11 U	0.036 U	0.08 J	0.036 U	0.31 U	0.8 U	0.17 JT	0.27 U	0.04 U	0.19 U	0.054 U	0.26 U
<b>Petroleum</b>													
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	23 J	73 J	600 J	30 J	65 J	150 J	40.75 JT	71 J	25 J	150 J	87 J	160 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	100 J	170 J	970 J	110 J	250 J	1000 J	220 JT	360 J	130 J	350 J	240 J	370 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	123 T	243 T	1570 T	140 T	315 T	1150 T	261 T	431 T	155 T	500 T	327 T	530 T
<b>Phenols</b>													
2,3,4,5-Tetrachlorophenol	ug/kg	3.1 U	4.6 U	4.7 U	4.5 U	4.4 U	4.5 U	5.1 UT	6.5 U	4.9 U	5.5 U	5 U	5.3 U
2,3,5,6-Tetrachlorophenol	ug/kg	3.8 U	5.7 U	5.7 U	5.6 U	5.5 U	5.5 U	6.2 UT	8 U	6 U	6.7 U	6.2 U	6.5 U
2,4,5-Trichlorophenol	ug/kg	2.7 U	4 U	4.1 U	3.9 U	3.9 U	3.9 U	4.4 UT	5.6 U	4.2 U	4.7 U	4.3 U	4.6 U
2,4,6-Trichlorophenol	ug/kg	2.8 U	4.2 U	4.2 U	4.1 U	4 U	4.1 U	4.6 UT	5.8 U	4.4 U	4.9 U	4.5 U	4.8 U
2,4-Dichlorophenol	ug/kg	1 U	1 U	10 U	1 U	1 U	5 U	1 UT	1.1 U	1 U	1 U	1 UJ	1 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	17 U	17 U	170 U	17 U	17 U	85 U	17 UT	19 U	17 U	17 U	17 UJ	17 U
2-Chlorophenol	ug/kg	2 U	2 U	20 U	2 U	2 U	10 U	2 UT	2.2 U	2 U	2 U	2 UJ	2 U
2-Methylphenol	ug/kg	1.5 U	1.5 U	15 U	1.5 U	1.5 U	24 J	1.5 UT	1.7 U	1.5 U	1.5 U	1.5 UJ	1.5 U
2-Nitrophenol	ug/kg	1.5 U	1.5 U	15 U	1.5 U	1.5 U	7.5 U	1.5 UT	1.7 U	1.5 U	1.5 U	1.5 UJ	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	14 U	1.4 U	1.4 U	7 U	1.4 UT	1.6 U	1.4 U	1.4 U	1.4 UJ	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	14 U	1.4 U	1.4 U	7 U	1.4 UT	1.6 U	1.4 U	1.4 U	1.4 UJ	1.4 U
4-Methylphenol	ug/kg	1.5 U	19	260	1.5 U	1.5 U	7.5 U	7.15 JT	1.7 U	1.5 U	24	1.5 UJ	46
4-Nitrophenol	ug/kg	18 U	18 U	180 U	18 U	18 U	90 U	18 UT	20 U	18 U	18 U	18 UJ	18 U
Pentachlorophenol	ug/kg	3.6 U	5.4 U	5.4 U	5.3 U	5.2 U	5.2 U	5.9 UT	7.6 U	5.7 U	6.4 U	5.8 U	6.2 U
Phenol	ug/kg	21 J	2 U	48 J	4.2 J	4.2 J	21 J	8.1 JT	5.6 J	2 U	18 J	4.8 UJ	11 J
<b>Phthalates</b>													
Bis(2-ethylhexyl) phthalate	ug/kg	53	18 J	70 U	100	610	2300	445 T	190	65	15 J	110	25
Butylbenzyl phthalate	ug/kg	3.2 U	3.2 U	32 U	7.5 J	10 J	580	22 JT	10 J	5 J	3.2 U	3.2 U	3.2 U
Dibutyl phthalate	ug/kg	9.6 J	7.9 U	79 U	7.9 U	8.5 J	49 J	9.1 JT	14	7.9 U	7.9 U	7.9 U	7.9 U
Diethyl phthalate	ug/kg	1.3 U	1.3 U	13 U	1.3 U	1.3 U	8.5 J	1.95 JT	2.6 J	1.3 U	3.1 J	1.3 U	1.3 U
Dimethyl phthalate	ug/kg	1 U	1 U	10 U	1 U	1 U	81	1 UT	1.1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	17 U	1.7 U	1.7 U	8.5 U	1.7 UT	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G001 12.3 West 0 - 21	DPSC-G002 12.3 West 0 - 14	DPSC-G003 12.5 West 0 - 20	DPSC-G005* 12.8 West 0 - 17	DPSC-G006 12.9 West 0 - 7	DPSC-G007 13 West 0 - 12	DPSC-G008* 13 West 0 - 29	DPSC-G009 13.2 West 0 - 23	DPSC-G010 13.3 West 0 - 19	DPSC-G011 13.3 West 0 - 30	DPSC-G012 13.4 West 0 - 25	DPSC-G013 13.4 West 0 - 29
<b>SVOCs</b>													
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	26 U	2.6 U	2.6 U	13 U	2.6 UT	2.9 U	2.6 U	2.6 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	29 U	2.9 U	2.9 U	15 U	2.9 UT	3.2 U	2.9 U	2.9 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	30 U	3 U	3 U	15 U	3 UT	3.3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	2.9 U	190	29 U	2.9 U	2.9 U	15 U	2.9 UT	3.2 U	2.9 U	2.9 U	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	15 U	1.5 U	1.5 U	7.5 U	1.5 UT	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	20 U	2 U	2 U	10 U	2 UT	2.2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	16 U	1.6 U	1.6 U	8 U	1.6 UT	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	32 U	3.2 U	3.2 U	16 U	3.2 UT	3.6 U	3.2 U	3.2 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	37 U	3.7 U	3.7 U	19 U	3.7 UT	4.1 U	3.7 U	3.7 U	3.7 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	25 U	2.5 U	2.5 U	13 U	2.5 UT	2.8 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	16 U	1.6 U	1.6 U	8 U	1.6 UT	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	1.9 U	19 U	1.9 U	1.9 U	9.5 U	1.9 UT	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	14 U	1.4 U	1.4 U	7 U	1.4 UT	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	18 U	1.8 U	1.8 U	9 U	1.8 UT	2 U	1.8 U	1.8 U	1.8 U	1.8 U
Aniline	ug/kg	1.5 U	1.5 U	15 U	1.5 U	1.5 U	7.5 U	1.5 UT	1.7 U	1.5 U	1.5 U	5.8 J	1.5 U
Azobenzene	ug/kg	1.1 U	1.1 U	11 U	1.1 U	1.1 U	5.5 U	1.1 UT	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U
Benzoic acid	ug/kg	100 J	96 U	960 U	96 U	96 U	480 U	96 UT	110 U	96 U	96 U	96 UJ	96 U
Benzyl alcohol	ug/kg	2.1 U	2.1 U	21 U	2.1 U	2.1 U	290	6.4 JT	7.9 J	2.1 U	2.1 U	4.5 J	4.8 J
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	15 U	1.5 U	1.5 U	7.5 U	1.5 UT	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	19 U	1.9 U	1.9 U	9.5 U	1.9 UT	2.1 U	1.9 U	1.9 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	26 U	2.6 U	2.6 U	13 U	2.6 UT	2.9 U	2.6 U	2.6 U	2.6 U	2.6 U
Carbazole	ug/kg	1.3 U	7 J	220	2 J	26	29 J	7.85 JT	2.7 J	1.4 J	1.3 U	3.2 J	1.3 U
Dibenzofuran	ug/kg	0.59 U	9.8	290	3.7	59	22	11.45 T	1.5 J	0.67 J	2.2 J	1.4 J	3
Hexachlorobenzene	ug/kg	0.12 U	0.12 U	0.12 U	0.19	0.35	0.84 J	0.5 T	0.31	0.14 J	0.66	0.22	0.56 J
Hexachlorobutadiene	ug/kg	0.065 U	0.29 J	0.065 U	0.12 U	0.1 U	0.16 U	0.065 UT	0.22 U	0.18 U	0.065 U	0.18 U	0.19 U
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	290 U	29 U	29 U	150 U	29 UT	32 U	29 U	29 U	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.13 U	0.13 U	0.079 UT	3.5 UT	0.079 U	0.079 U	0.079 U	0.079 U
Isophorone	ug/kg	1 U	1 U	10 U	1 U	1 U	5 U	1 UT	1.1 U	1 U	1 U	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	22 U	2.2 U	2.2 U	11 U	2.2 UT	2.5 U	2.2 U	2.2 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	61 U	6.1 U	6.1 U	31 U	6.1 UT	6.8 U	6.1 U	6.1 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	16 U	1.6 U	1.6 U	8 U	1.6 UT	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	24 U	2.4 U	2.4 U	12 U	2.4 UT	2.7 U	2.4 U	2.4 U	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G014 13.4 West 0 - 30	DPSC-G015 13.4 West 0 - 28	DPSC-G016 14.1 West 0 - 16	DPSC-G017 14.1 West 0 - 23	DPSC-G018 14.2 West 0 - 23	DPSC-G019 14.3 West 0 - 23	DPSC-G020 14.4 West 0 - 21	DPSC-G021* 14.5 West 0 - 18	DPSC-G022 14.5 West 0 - 18	DPSC-G023 14.7 West 0 - 30	DPSC-G024 14.8 West 0 - 24	DPSC-G025 15 - 15 West 0 - 27
<b>PCB Aroclors</b>													
Aroclor 1016	ug/kg	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UT	1 U	1 U	1 U	1.1 U
Aroclor 1221	ug/kg	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UT	1 U	1 U	1 U	1.1 U
Aroclor 1232	ug/kg	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UT	1 U	1 U	1 U	1.1 U
Aroclor 1242	ug/kg	6.2	8.6 U	1 U	10 U	1 U	1 U	1 U	1 UT	1 U	1 U	1 U	1.1 U
Aroclor 1248	ug/kg	1 U	1 U	1 U	10 U	1 U	7.6 U	1 U	1 UT	1 U	1 U	1 U	2.8 U
Aroclor 1254	ug/kg	26	69	60	520	20	8.6 U	21	1 UT	1 U	5.9	1.8 U	4.4
Aroclor 1260	ug/kg	21	61	1 U	10 U	19	9.8	24	22 T	1 U	6	3.2	2.3 J
Aroclor 1262	ug/kg	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UT	1 U	1 U	1 U	1.1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 UT	1 U	1 U	1 U	1.1 U
Total Aroclors	ug/kg	53.2 T	130 T	60 T	520 T	39 T	9.8 T	45 T	22 T	1 UT	11.9 T	3.2 T	6.7 T
<b>Butyltins</b>													
Butyltin ion	ug/kg	7.7	0.51 U	0.04 U	0.036 U	0.04 U	0.036 U	1.2 J	0.04 UT	0.044 U	1 J	1.3 J	0.049 U
Dibutyltin ion	ug/kg	5.7	1.1 J	0.037 U	0.034 U	0.037 U	0.033 U	0.63 J	0.375 JT	0.041 U	0.056 U	0.052 U	0.046 U
Tetrabutyltin	ug/kg	0.13 U	0.13 U	0.092 U	0.084 U	0.093 U	0.083 U	0.094 U	0.093 UT	0.11 U	0.14 U	0.13 U	0.12 U
Tributyltin ion	ug/kg	28	0.69 U	0.074 U	0.068 U	0.074 U	0.066 U	0.89 J	0.074 UT	0.082 U	0.12 U	1.2 J	0.091 U
Total Butyltins	ug/kg	41.4 T	1.1 T	0.092 UT	0.084 UT	0.093 UT	0.083 UT	2.72 T	0.375 T	0.11 UT	1 T	2.5 T	0.12 UT
<b>Conventionals</b>													
Total organic carbon	percent	1.55	2.42	0.385 T	0.32	0.28	1.1	0.85	0.645 T	0.12	1.64	1.26	0.7
Total solids	percent	54.7	54	75.1	82	74.3	85.1	74.7	72.6 T	68.1 T	50.1	54.7	61.2 T
<b>Dioxin/Furan Homologs</b>													
Heptachlorodibenzofuran homologs	pg/g	20.2	--	14.6	10.6	75.5	--	94.8	--	0.37 U	4.9 J	13.4	5.22 J
Heptachlorodibenzo-p-dioxin homologs	pg/g	86.8	--	124	31	105	--	160	--	1.94 J	13.8	49.8	35.3
Hexachlorodibenzofuran homologs	pg/g	11.7	--	9.41	7.71	45.4	--	42.6	--	0.0276 U	1.69 J	5.79 J	3.01 J
Hexachlorodibenzo-p-dioxin homologs	pg/g	16.1	--	7.31 J	5.11 J	10.1	--	27.7	--	0.437 J	1.55 J	6.27 J	4.64 J
Octachlorodibenzofuran	pg/g	24.7	--	10.3 J	11.4 J	45.7	--	86.8	--	0.465 U	4.97 J	15 J	4.52 J
Octachlorodibenzo-p-dioxin	pg/g	421	--	1280	186	669	--	897	--	7.04 J	64.3	293	151
Pentachlorodibenzofuran homologs	pg/g	7.27 J	--	10.3	5.89 J	12.1	--	37.8	--	0.0356 J	0.371 J	2.31 J	0.928 J
Pentachlorodibenzo-p-dioxin homologs	pg/g	1.61 J	--	0.46 J	0.894 J	0.983 J	--	3.47 J	--	0.0227 U	0.0449 U	0.485 J	0.189 J
Tetrachlorodibenzofuran homologs	pg/g	2.89	--	4.35	1.98	2	--	17.9	--	0.0829 U	0.184 J	1.04 J	0.474 J
Tetrachlorodibenzo-p-dioxin homologs	pg/g	1.04 J	--	0.444 J	0.387 J	0.344 J	--	2.63	--	0.0275 U	0.303 J	1.16 J	0.0178 U
Total PCDD/F	pg/g	593 T	--	1461 T	261 T	966 T	--	1371 T	--	9.45 T	92.1 T	388T	205 T
<b>Dioxins/Furans</b>													
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	6.11 J	--	4.35 J	3.45 J	17.3	--	29	--	0.116 U	1.3 J	3.6 J	1.51 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	43.7 J	--	55.2	15.6	59.3	--	90.2	--	0.906 J	6.94 J	25.6	18.7
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.434 J	--	0.248 J	0.249 J	1.63 J	--	2.02 J	--	0.0437 U	0.0575 U	0.318 J	0.141 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.753 J	--	0.617 J	0.577 J	2.16 J	--	9.54	--	0.0276 U	0.0386 U	0.338 J	0.185 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.491 J	--	0.124 J	0.155 J	0.335 J	--	1.45 J	--	0.0348 U	0.0403 U	0.161 J	0.176 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.517 J	--	0.297 J	0.34 J	0.896 J	--	2.99 J	--	0.0308 U	0.0435 U	0.213 J	0.0942 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	3.04 J	--	0.99 J	0.977 J	2.61 J	--	4.12 J	--	0.0333 U	0.331 J	1.18 J	0.853 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.0695 U	--	0.0429 U	0.0339 U	0.114 J	--	0.119 J	--	0.0386 U	0.0428 U	0.0412 U	0.0202 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	1.5 J	--	0.554 J	0.569 J	0.952 J	--	3.21 J	--	0.032 U	0.039 U	0.604 J	0.465 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.232 J	--	0.186 J	0.241 J	0.383 J	--	1.03 J	--	0.0143 U	0.0348 U	0.113 U	0.0222 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.298 J	--	0.15 J	0.247 J	0.246 J	--	0.759 J	--	0.0227 U	0.0449 U	0.176 J	0.0258 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.659 J	--	0.492 J	0.482 J	1.51 J	--	4.63 J	--	0.0308 U	0.0403 U	0.3 J	0.133 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.383 J	--	0.248 J	0.253 J	0.431 J	--	2.78 J	--	0.0132 U	0.0325 U	0.138 J	0.0208 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.404 J	--	0.537 J	0.567 J	0.359 J	--	1.13 J	--	0.138 U	0.249 U	0.242 U	0.223 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.



**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G014	DPSC-G015	DPSC-G016	DPSC-G017	DPSC-G018	DPSC-G019	DPSC-G020	DPSC-G021*	DPSC-G022	DPSC-G023	DPSC-G024	DPSC-G025
		13.4 West 0 - 30	13.4 West 0 - 28	14.1 West 0 - 16	14.1 West 0 - 23	14.2 West 0 - 23	14.3 West 0 - 23	14.4 West 0 - 21	14.5 West 0 - 18	14.5 West 0 - 18	14.7 West 0 - 30	14.8 West 0 - 24	15 - 15 West 0 - 27
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.121 J	--	0.0366 U	0.0327 U	0.0246 U	--	0.169 J	--	0.0275 U	0.0376 U	0.0837 J	0.0483 J
Dioxin/furan TCDD toxicity equivalent	pg/g	1.91 T	--	1.58 T	0.949 T	2.28 T	--	6.02 T	--	0.011 T	0.136 T	0.968 T	0.489 T
<b>Grainsize</b>													
Medium gravel	percent	0	0	62.6	59.7	54.3	45.7	55.225 T	61.5 T	0.53	0	0	0
Fine gravel	percent	1.39	0	14.6	8.04	8.41	7.51	11.51 T	12.9 T	0.7	0.55	0.54	0.53
Very coarse sand	percent	1.35	2	4.69	5.43	7.52	16.7	7.995 T	8.77 T	2.11	1.22	0.93	0.31
Coarse sand	percent	0.95	1.06	4.76	5.72	9.33	13.8	8.795 T	10.2 T	14	0.85	0.65	0.33
Medium sand	percent	1.16	2.59	5.95	13.6	12.4	9.74	10.725 T	6.31 T	6.53	1.3	1.94	2.19
Fine sand	percent	17.5	7.45	7.17	5	6.55	5.17	7.145 T	1.84 T	7.13	8.2	20	43.6
Very fine sand	percent	27.4	12	3.11	1.43	2.79	2.45	3.7625 T	1.39 T	11.4	26.8	35.4	30.5
Coarse silt	percent	21.7	17.3	0.63	0.62	0.95	0.96	1.74 T	1.57 JT	17.6	41.6	23.8	9.64
Medium silt	percent	12.2	14.9	0.8	0.36	0.7	0.56	1.3325 T	1.56 T	15.7	9.01	7.59	5.01
Fine silt	percent	7.76	12.5	0.57	0.26	0.61	0.42	0.775 T	0.92 T	10.5	4.06	3.63	2.53
Very fine silt	percent	3.99	8.38	0.35	0.23	0.47	0.27	0.5325 T	0.645 T	5.7	2.11	2.19	1.74
8-9 Phi clay	percent	2.91	5.78	0.4	0.24	0.46	0.4	0.54 T	0.49 T	3.56	1.52	1.61	1.42
>9 Phi clay	percent	5.1	14.6	0.3	0.13	0.37	0.14	0.495 T	0.325 T	4.87	2.58	2.37	1.66
<b>Metals</b>													
Aluminum	mg/kg	25600 JT	29900 J	8790 J	9850 J	10600 J	5980 J	8560 J	8890 JT	15700 J	20100 J	24900 J	19600 J
Antimony	mg/kg	0.23 T	0.21	0.36	1.04	0.15	0.12	0.15	0.765 T	0.33	0.16	0.13	0.11
Arsenic	mg/kg	3.475 T	3.73	2.2	3.49	2.25	1.55	2.67	6.6 JT	8.97	2.65	2.91	2.21
Cadmium	mg/kg	0.391 JT	0.51 J	0.236	0.145	0.252	0.101	0.178	0.213 T	0.15	0.213	0.176	0.145
Chromium	mg/kg	23.15 T	22.1	8.49	12.7	29.5	4.51	20.1	17.3 T	17.7	21.4	24.7	21.3
Copper	mg/kg	31.35 T	34.2	20.9	65.8	15.7	10.8	23.8	138 JT	23	27.6	22.9	21.9
Lead	mg/kg	41.45 JT	39.6 J	40.5	57.5	102	7.19	21.1	93.6 JT	18.2	13.8	11.5	9.46
Mercury	mg/kg	0.093	0.116	0.0335 T	0.034	0.024	0.01	0.297	0.024 T	0.016	0.054	0.048	0.041
Nickel	mg/kg	20.75 T	18.2	13.1 J	15.9 J	13.2 J	8.96 J	14.5 J	14.8 JT	16.9 J	19.4 J	20.1 J	21 J
Selenium	mg/kg	0.11 T	0.2	0.05	0.05	0.02 U	0.02 U	0.03	0.03 T	0.02 U	0.09	0.09	0.04
Silver	mg/kg	0.223 T	0.436	0.399	0.038	0.046	0.026	0.174	0.069 T	0.071	0.135	0.116	0.05
Zinc	mg/kg	125.7 JT	198 J	94.6	103	103	48.4	76	152 T	58.9	71.4	65.5	63
<b>PAHs</b>													
C1-Chrysene	ug/kg	17	34	10	66	24	100	18	28 JT	0.25 U	6	7.3	8.7
C1-Dibenzothiophene	ug/kg	5.9	20	0.21 U	0.21 U	0.21 U	0.21 U	74	9.5 JT	0.21 U	0.21 U	0.86 J	0.21 U
C1-Fluoranthene/pyrene	ug/kg	20	41	13	29	13	50	37	24.5 JT	0.61 U	12	9.5	15
C1-Fluorene	ug/kg	1.6 J	6.6	1.1 J	0.5 U	0.5 U	4.8	24	5.1 JT	0.5 U	0.58 J	1.1 J	0.61 J
C1-Phenanthrene/anthracene	ug/kg	12	34	9.6	12	2.3 J	19	51	14.8 JT	0.75 U	4.8	4.1	5.7
C2-Chrysene	ug/kg	16	25	14	140	69	340	19	43 T	0.25 U	8.3	6.4	6.7
C2-Dibenzothiophene	ug/kg	6.7	17	0.21 U	15	0.21 U	0.21 U	23	5.7 JT	0.21 U	0.21 U	1.2 J	0.21 U
C2-Fluoranthene/pyrene	ug/kg	17	30	10	64	21	120	27	22 T	0.61 U	8.7	6.6	6.6
C2-Fluorene	ug/kg	4.7	16	1.4 J	6.3	0.5 U	7.4	46	5.65 JT	0.5 U	1.3 J	2.1 J	1.4 J
C2-Naphthalene	ug/kg	3.6	20	1.7 J	0.37 U	0.48 J	4.7	200	6.1 JT	0.37 U	1.5 J	1.7 J	1.4 J
C2-Phenanthrene/anthracene	ug/kg	19	45	8.2	45	4.6	40	68	21.4 JT	0.75 U	5.5	5.9	5.3
C3-Chrysene	ug/kg	16	21	16	150	93	470	18	52 T	0.25 U	9.3	5.5	4.9
C3-Dibenzothiophene	ug/kg	8	15	0.21 U	23	0.21 U	19	22	6.5 JT	0.21 U	0.21 U	1.7 J	0.21 U
C3-Fluoranthene/pyrene	ug/kg	12	19	0.61 U	80	37	230	21	28 T	0.61 U	4.9	4.3	3.8
C3-Fluorene	ug/kg	8.7	24	0.5 U	0.5 U	0.5 U	0.5 U	49	13 JT	0.5 U	2.6	2.4 J	1.8 J
C3-Naphthalene	ug/kg	4.6	32	1.4 J	2.4 J	0.83 J	5.7	250	5.3 JT	0.37 U	1.1 J	1.7 J	1.3 J
C3-Phenanthrene/anthracene	ug/kg	19	44	4.9	55	14	79	59	21.5 JT	0.75 U	4.4	4.8	3.3

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G014	DPSC-G015	DPSC-G016	DPSC-G017	DPSC-G018	DPSC-G019	DPSC-G020	DPSC-G021*	DPSC-G022	DPSC-G023	DPSC-G024	DPSC-G025
		13.4 West 0 - 30	13.4 West 0 - 28	14.1 West 0 - 16	14.1 West 0 - 23	14.2 West 0 - 23	14.3 West 0 - 23	14.4 West 0 - 21	14.5 West 0 - 18	14.5 West 0 - 18	14.7 West 0 - 30	14.8 West 0 - 24	15 - 15 West 0 - 27
C4-Chrysene	ug/kg	9.1	9.7	0.25 U	74	49	320	0.25 U	25.5 JT	0.25 U	0.25 U	0.25 U	0.25 U
C4-Naphthalene	ug/kg	5.7	31	1.1 J	8.4	0.37 U	6.6	190	12 JT	0.37 U	1.3 J	1.9 J	0.37 U
C4-Phenanthrene/anthracene	ug/kg	11	18	0.75 U	55	24	120	29	15 T	0.75 U	0.75 U	0.75 U	2.6
1-Methylnaphthalene	ug/kg	1 J	3.2	0.82 J	0.31 U	0.31 U	0.9 J	25	2.04 JT	0.31 U	0.49 J	0.76 J	0.5 J
2-Methylnaphthalene	ug/kg	1.9 J	6.6	1.1 J	0.48 J	0.39 U	1.7 J	47	2.95 JT	0.39 U	0.74 J	1.1 J	0.8 J
Acenaphthene	ug/kg	0.88 J	4.6	0.67 J	0.23 U	0.32 J	14	7.7	0.91 JT	0.23 U	0.44 J	0.93 J	0.72 J
Acenaphthylene	ug/kg	1.7 J	5.1	1.4 J	0.35 J	0.42 J	1.3 J	17	2.30 JT	0.24 U	1.1 J	1.2 J	0.93 J
Anthracene	ug/kg	2.7	5.9	3.1	0.47 U	0.77 J	4.2	8.8	5.4 JT	0.47 U	2.3 J	1.4 J	2.4 J
Benzo(a)anthracene	ug/kg	15	40	7.1	5.5	8.9	15	16	20.7 JT	0.48 U	9.2	6.5	15
Benzo(a)pyrene	ug/kg	18	44	9.9	8.9	10	20	20	35 JT	0.14 U	9.7	8	12
Benzo(b)fluoranthene	ug/kg	23	59	16	6.9	13	29	26	44.9 JT	0.25 U	15	12	19
Benzo(e)pyrene	ug/kg	15	34	14	13	13	40	18	31.5 JT	0.18 U	10	7.7	11
Benzo(g,h,i)perylene	ug/kg	15	37	11	14	9.2	37	25	35.5 JT	0.64 U	11	9.1	8.1
Benzo(k)fluoranthene	ug/kg	8.4	20	5.6	0.15 U	4.8	8.9 J	8.2	15.4 JT	0.15 U	5.5	4.5	7.6
Chrysene	ug/kg	20	45	13	7.2	5.9	36	19	28.7 JT	0.25 U	12	9.3	15
Dibenzo(a,h)anthracene	ug/kg	3	7.6	2.7	3.1	3.4	8.8 J	2.9	8.75 JT	0.28 U	1.9 J	1.9 J	2.1 J
Dibenzothiophene	ug/kg	0.94 J	2.5 J	0.43 J	0.21 U	0.21 U	3.1	5.8	2.1 JT	0.21 U	0.21 U	0.21 U	0.21 U
Fluoranthene	ug/kg	33	85	16	2.9	8	56	77	35.2 JT	0.61 U	19	16	30
Fluorene	ug/kg	1.4 J	5.2	1.2 J	0.5 U	0.5 U	3.8	15	3.3 JT	0.5 U	0.53 J	1 J	0.75 J
Indeno(1,2,3-cd)pyrene	ug/kg	15	35	10	6.8	6.8	18	19	35.9 JT	0.16 U	9.1	8.2	9
Naphthalene	ug/kg	5.3	13	2.9	1.1 J	1 J	3	56	5.35 JT	1.1 J	2.5	5.1	3.6
Perylene	ug/kg	25	28	4.9	21	22	71	24	17.5 JT	0.32 U	12	16	14
Phenanthrene	ug/kg	16	47	12	3.1	2.6	41	82	20.4 JT	0.75 U	6.4	6.4	9
Pyrene	ug/kg	34	93	23	7.8	10	51	94	44.5 JT	0.37 U	22	18	28
Total C1-PAHs	ug/kg	56.5 T	135.6 T	33.7 T	107 T	39.3 T	173.8 T	204 T	67.25 T	0.75 UT	23.38 T	22.86 T	30.01 T
Total C2-PAHs	ug/kg	67 T	153 T	35.3 T	270.3 T	95.08 T	512.1 T	383 T	98.1 T	0.75 UT	25.3 T	23.9 T	21.4 T
Total C3-PAHs	ug/kg	68.3 T	155 T	22.3 T	310.4 T	144.83 T	803.7 T	419 T	106.8 T	0.75 UT	22.3 T	20.4 T	15.1 T
Total C4-PAHs	ug/kg	25.8 T	58.7 T	1.1 T	137.4 T	73 T	446.6 T	219 T	40.5 T	0.75 UT	1.3 T	1.9 T	2.6 T
Total HPAHs	ug/kg	184 T	466 T	114 T	63.1 T	80 T	280 T	307 T	304 T	0.64 UT	114 T	93.5 T	146 T
Total LPAHs	ug/kg	29.9 T	87.4 T	22.4 T	5.03 T	5.11 T	69 T	234 T	40.6 T	1.1 T	14 T	17.1 T	18.2 T
Total PAHs	ug/kg	214 T	553 T	137 T	68.1 T	85.1 T	349 T	541 T	345 T	1.1 T	128 T	111 T	164 T
<b>Pesticides</b>													
2,4'-DDD	ug/kg	2 J	1.4 U	1.2 U	7.1 U	0.51 U	1.3 J	0.66 U	1.01 JT	0.032 U	0.42 U	0.032 U	0.21 U
2,4'-DDE	ug/kg	0.38 U	0.69 U	1.1 U	0.2 U	0.29 U	0.15 U	0.25 U	0.15 UT	0.03 U	0.19 U	0.03 U	0.21 U
2,4'-DDT	ug/kg	1.8 J	4.3	2.6	20	1.5	0.15 U	1.8	1.6 JT	0.03 U	0.65	0.42	0.29
4,4'-DDD	ug/kg	1.6	1.1	1.5	8.3	0.29 U	1.8	0.58	0.5 JT	0.047 U	0.72	0.2 U	0.47 J
4,4'-DDE	ug/kg	2.4	4.9 J	0.73 U	2.9 U	0.88 J	1 J	0.39 U	0.93 JT	0.034 U	1.4 J	0.87 J	0.61 J
4,4'-DDT	ug/kg	2	5.3	4.1	42	2.2	1.4	2.4	2 JT	0.13 U	0.92 U	0.65	0.32 U
Total DDD	ug/kg	3.6 T	1.1 T	1.5 T	8.3 T	0.51 UT	3.1 T	0.58 T	1.51 T	0.047 UT	0.72 T	0.2 UT	0.47 T
Total DDE	ug/kg	2.4 T	4.9 T	1.1 UT	2.9 UT	0.88 T	1 T	0.39 UT	0.93 T	0.034 UT	1.4 T	0.87 T	0.61 T
Total DDT	ug/kg	3.8 T	9.6 T	6.7 T	62 T	3.7 T	1.4 T	4.2 T	3.6 T	0.13 UT	0.65 T	1.07 T	0.29 T
Total DDx	ug/kg	9.8 T	15.6 T	8.2 T	70.3 T	4.58 T	5.5 T	4.78 T	6.04 T	0.13 UT	2.77 T	1.94 T	1.37 T
Aldrin	ug/kg	0.055 U	0.055 U	0.2 U	0.055 U	0.43 J	0.28 U	0.24 U	0.0735 JT	0.055 U	0.2 U	0.2 U	0.076 J
alpha-Endosulfan	ug/kg	0.089 U	0.19 U	0.67 J	1.4 U	0.025 U	0.16 U	0.59 J	0.2 UT	0.025 U	0.2 U	0.2 U	0.044 U
alpha-Hexachlorocyclohexane	ug/kg	0.087 U	0.096 U	0.047 U	0.047 U	0.047 U	0.24 U	0.047 U	0.047 UT	0.047 U	0.047 U	0.047 U	0.048 U
beta-Endosulfan	ug/kg	0.42 J	1.1 J	0.2 U	1.2 U	0.41 U	0.26 U	0.22 U	0.155 JT	0.051 U	0.21 U	0.051 U	0.082 U
beta-Hexachlorocyclohexane	ug/kg	0.054 U	0.054 U	0.054 U	0.34	0.054 U	0.27 U	0.064 U	0.054 UT	0.054 U	0.12 U	0.054 U	0.055 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G014	DPSC-G015	DPSC-G016	DPSC-G017	DPSC-G018	DPSC-G019	DPSC-G020	DPSC-G021*	DPSC-G022	DPSC-G023	DPSC-G024	DPSC-G025
		13.4 West 0 - 30	13.4 West 0 - 28	14.1 West 0 - 16	14.1 West 0 - 23	14.2 West 0 - 23	14.3 West 0 - 23	14.4 West 0 - 21	14.5 West 0 - 18	14.5 West 0 - 18	14.7 West 0 - 30	14.8 West 0 - 24	15 - 15 West 0 - 27
cis-Chlordane	ug/kg	0.19 U	0.032 U	0.032 U	0.34 U	0.21	1.1	0.39	0.175 JT	0.032 U	0.15 J	0.2 U	0.21 U
cis-Nonachlor	ug/kg	1.1 U	3.2 U	1.1 U	6.6 U	0.24 U	1.1 U	0.42 U	0.2 UT	0.053 U	0.43 U	0.15 U	0.22 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.05 U	0.31 U	0.037 U	0.19 U	0.037 U	0.037 UT	0.037 U	0.037 U	0.037 U	0.038 U
Dieldrin	ug/kg	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.36 U	0.2 U	0.036 UT	0.036 U	0.036 U	0.04 U	0.21 U
Endosulfan sulfate	ug/kg	0.19 U	0.2 U	0.2 U	0.17 U	0.053 U	0.32 U	0.2 U	0.2 UT	0.053 U	0.2 U	0.2 U	0.054 U
Endrin	ug/kg	0.11 U	0.35 U	0.14 U	0.95 U	0.046 U	0.23 U	0.11 U	0.046 UT	0.046 U	0.046 U	0.046 U	0.047 U
Endrin aldehyde	ug/kg	0.19 U	0.24 U	0.27 J	2.1 J	0.2 U	0.25 U	0.047 U	0.047 UT	0.047 U	0.047 U	0.047 U	0.048 U
Endrin ketone	ug/kg	0.39 U	1.2 U	0.2 U	1.4 U	0.28 U	0.99 U	0.37 U	0.36 UT	0.042 U	0.22 U	0.2 U	0.043 U
gamma-Hexachlorocyclohexane	ug/kg	0.19 U	0.19 U	0.14 U	0.075 J	0.043 U	0.22 U	0.093 J	0.043 UT	0.043 U	0.2 U	0.043 U	0.044 U
Heptachlor	ug/kg	0.19 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U	0.07 U	0.07 UT	0.07 U	0.19 U	0.084 U	0.071 U
Heptachlor epoxide	ug/kg	0.25 U	0.59 U	0.2 U	0.2 U	0.057 U	0.29 U	0.12 U	0.057 UT	0.057 U	0.057 U	0.2 U	0.21 U
Methoxychlor	ug/kg	0.3 U	0.35 U	0.17 U	1.8 U	0.054 U	0.27 U	0.48 U	0.36 UT	0.054 U	0.4 U	0.054 U	0.055 U
Mirex	ug/kg	0.049 U	0.093 U	0.049 U	0.049 U	0.049 U	0.25 U	0.049 U	0.049 UT	0.049 U	0.049 U	0.049 U	0.05 U
Oxychlordane	ug/kg	0.071 U	0.17 U	0.054 U	0.054 U	0.44 J	0.99 U	0.41 J	0.11 JT	0.054 U	0.23 U	0.2 U	0.21 U
Total Chlordanes	ug/kg	0.84 T	1.2 T	2.2 T	15 T	1.49 T	3.6 T	2 T	1.24 T	0.068 T	0.91 T	0.094 T	0.4 T
Total Endosulfans	ug/kg	0.42 T	1.1 T	0.67 T	1.4 UT	0.41 UT	0.32 UT	0.59 T	0.155 T	0.053 UT	0.21 UT	0.2 UT	0.082 UT
Toxaphene	ug/kg	23 U	26 U	27 U	35 U	38 U	22 U	25 U	31 UT	4.3 U	20 U	15 U	4.9 U
trans-Chlordane	ug/kg	0.84	1.2 J	2.2 J	15 J	0.84	1.5	1.2	0.625 JT	0.068 J	0.33	0.094 J	0.21 J
trans-Nonachlor	ug/kg	0.17 U	0.068 U	0.34 U	1.6 U	0.16 U	1	0.2 U	0.33 JT	0.036 U	0.43 J	0.2 U	0.19 J
<b>Petroleum</b>													
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	110 J	220 J	20 J	15 J	9.3 J	115 JT	42 J	29.5 JT	11 J	19 J	30 J	9.6 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	280 J	600 J	130 J	93 J	65 J	1350 JT	280 J	235 JT	18 J	110 J	130 J	48 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	390 T	820 T	150 T	108 T	74.3 T	1465 T	322 T	265 T	29 T	129 T	160 T	57.6 T
<b>Phenols</b>													
2,3,4,5-Tetrachlorophenol	ug/kg	5.2 U	5.6 U	4 U	3.7 U	4 U	3.5 U	4.1 U	4 UT	4.4 U	6 U	5.5 U	4.9 U
2,3,5,6-Tetrachlorophenol	ug/kg	6.5 U	6.8 U	4.9 U	4.5 U	5 U	4.4 U	5 U	4.9 UT	5.5 U	7.4 U	6.8 U	6.1 U
2,4,5-Trichlorophenol	ug/kg	4.6 U	4.8 U	3.5 U	3.2 U	3.5 U	3.1 U	3.5 U	3.5 UT	3.9 U	5.2 U	4.8 U	4.3 U
2,4,6-Trichlorophenol	ug/kg	4.7 U	5 U	3.6 U	3.3 U	3.6 U	3.2 U	3.7 U	3.6 UT	4 U	5.4 U	5 U	4.4 U
2,4-Dichlorophenol	ug/kg	1 U	1 U	--	1 U	1 U	2 U	2 U	10 U	1 U	1 U	1 U	1.1 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	17 U	17 U	--	17 U	17 U	34 U	34 U	170 U	17 U	17 U	17 U	18 U
2-Chlorophenol	ug/kg	2 U	2 U	--	2 U	2 U	4 U	4 U	20 U	2 U	2 U	2 U	2.1 U
2-Methylphenol	ug/kg	1.5 U	1.5 U	--	1.5 U	1.5 U	3 U	3 U	15 U	1.5 U	1.5 U	1.5 U	1.6 U
2-Nitrophenol	ug/kg	1.5 U	1.5 U	--	1.5 U	1.5 U	3 U	3 U	15 U	1.5 U	1.5 U	1.5 U	1.6 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	--	1.4 U	1.4 U	2.8 U	2.8 U	14 U	1.4 U	1.4 U	1.4 U	1.5 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	--	1.4 U	1.4 U	2.8 U	2.8 U	14 U	1.4 U	1.4 U	1.4 U	1.5 U
4-Methylphenol	ug/kg	1.5 U	7.1 J	--	1.5 U	1.5 U	3 U	16 J	15 U	1.5 U	5.3 J	4.4 J	5.1 J
4-Nitrophenol	ug/kg	18 U	18 U	--	18 U	18 U	36 U	36 U	180 U	18 U	18 U	18 U	19 U
Pentachlorophenol	ug/kg	6.1 U	6.5 U	4.6 U	4.3 U	4.7 U	13	200	4.7 UT	5.2 U	7 U	6.4 U	5.7 U
Phenol	ug/kg	2 U	13 J	--	2 U	2 U	4 U	10 J	22 JT	2 U	4.5 J	2 U	3.9 J
<b>Phthalates</b>													
Bis(2-ethylhexyl) phthalate	ug/kg	57	26	20	27	18 J	38 J	350	115 JT	7 U	55	51	28
Butylbenzyl phthalate	ug/kg	7.3 J	3.2 U	11	3.2 U	3.2 U	6.4 U	6.4 U	100 JT	3.2 U	3.2 U	5.5 J	5.3 J
Dibutyl phthalate	ug/kg	8.1 J	7.9 U	41	10	16	16 U	16 U	12 JT	7.9 U	7.9 U	7.9 U	8.2 U
Diethyl phthalate	ug/kg	2.2 J	1.3 U	1.7 J	1.3 U	1.6 J	2.6 U	2.6 U	1.8 JT	1.4 J	15	1.3 U	7.1 J
Dimethyl phthalate	ug/kg	1 U	1 U	1 U	1 U	1 U	2 U	3.6 J	1 UT	1 U	1 U	1 U	1.1 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	1.7 UT	1.7 U	1.7 U	1.7 U	1.8 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G014 13.4 West 0 - 30	DPSC-G015 13.4 West 0 - 28	DPSC-G016 14.1 West 0 - 16	DPSC-G017 14.1 West 0 - 23	DPSC-G018 14.2 West 0 - 23	DPSC-G019 14.3 West 0 - 23	DPSC-G020 14.4 West 0 - 21	DPSC-G021* 14.5 West 0 - 18	DPSC-G022 14.5 West 0 - 18	DPSC-G023 14.7 West 0 - 30	DPSC-G024 14.8 West 0 - 24	DPSC-G025 15 - 15 West 0 - 27
<b>SVOCs</b>													
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	5.2 U	5.2 U	2.6 UT	2.6 U	2.6 U	2.6 U	2.7 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	5.8 U	5.8 U	2.9 UT	2.9 U	2.9 U	2.9 U	3 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 U	3 U	3 U	6 U	6 U	3 UT	3 U	3 U	3 U	3.1 U
1,4-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	5.8 U	5.8 U	2.9 UT	2.9 U	2.9 U	2.9 U	3 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U	3 U	1.5 UT	1.5 U	1.5 U	1.5 U	1.6 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 U	2 U	2 U	4 U	4 U	2 UT	2 U	2 U	2 U	2.1 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3.2 U	3.2 U	1.6 UT	1.6 U	1.6 U	1.6 U	1.7 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	6.4 U	6.4 U	3.2 UT	3.2 U	3.2 U	3.2 U	3.4 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	7.4 U	7.4 U	3.7 UT	3.7 U	3.7 U	3.7 U	3.9 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	2.5 UT	2.5 U	2.5 U	2.5 U	2.6 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3.2 U	3.2 U	1.6 UT	1.6 U	1.6 U	1.6 U	1.7 U
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	3.8 U	3.8 U	1.9 UT	1.9 U	1.9 U	1.9 U	2 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	1.4 UT	1.4 U	1.4 U	1.4 U	1.5 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.6 U	3.6 U	1.8 UT	1.8 U	1.8 U	1.8 U	1.9 U
Aniline	ug/kg	1.5 U	15 J	1.5 U	1.5 U	1.5 U	3 U	3 U	1.5 UT	1.5 U	1.5 U	6.9 J	4.5 J
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 UT	1.1 U	1.1 U	1.1 U	1.2 U
Benzoic acid	ug/kg	96 U	96 U	--	96 U	96 U	200 U	200 U	960 U	96 U	96 U	96 U	100 U
Benzyl alcohol	ug/kg	4.2 J	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	4.2 U	2.1 UT	2.1 U	2.1 U	2.1 U	2.2 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U	3 U	1.5 UT	1.5 U	1.5 U	1.5 U	1.6 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	3.8 U	3.8 U	1.9 UT	1.9 U	1.9 U	1.9 U	2 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	5.2 U	5.2 U	2.6 UT	2.6 U	2.6 U	2.6 U	2.7 U
Carbazole	ug/kg	2.5 J	3.1 J	1.7 J	1.3 U	1.3 U	2.6 U	2.6 U	1.3 UT	1.3 U	1.3 U	1.4 J	2 J
Dibenzofuran	ug/kg	1 J	2.6	0.59 U	0.59 U	0.59 U	1.9 J	7.3	1.8 JT	0.59 U	0.59 U	0.65 J	0.59 U
Hexachlorobenzene	ug/kg	0.14 U	0.13 U	0.12 U	0.99	0.12 U	0.6 U	0.15 J	0.21 JT	0.12 U	1.4	0.12 U	0.13 U
Hexachlorobutadiene	ug/kg	0.19 U	0.19 U	0.065 U	0.065 U	0.065 U	0.33 U	0.065 U	0.065 UT	0.065 U	0.065 U	0.065 U	0.066 U
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 U	29 U	29 U	58 U	58 U	29 UT	29 U	29 U	29 U	30 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.4 U	0.079 U	0.079 UT	0.079 U	0.079 U	0.079 U	0.08 U
Isophorone	ug/kg	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 UT	1 U	1 U	1 U	1.1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	4.4 U	2.2 UT	2.2 U	2.2 U	2.2 U	2.3 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	13 U	13 U	6.1 UT	6.1 U	6.1 U	6.1 U	6.4 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	9.7 J	3.2 U	1.6 UT	1.6 U	1.6 U	1.6 U	1.7 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.8 U	4.8 U	2.4 UT	2.4 U	2.4 U	2.4 U	2.5 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G026	DPSC-G027*	DPSC-G028	DPSC-G029	DPSC-G030	DPSC-G031	DPSC-G032	DPSC-G033	DPSC-G035	DPSC-G036	DPSC-G037	DPSC-G038
		15.1 West 0 - 16	15.5 West 0 - 21	15.6 West 0 - 19	15.5 East 0 - 16	15.1 East 0 - 28	14.5 East 0 - 18	13.9 MidRv 0 - 26	13.8 East 0 - 21	13.8 East 0 - 28	13.6 East 0 - 27	13.6 East 0 - 27	13.6 East 0 - 21
<b>PCB Aroclors</b>													
Aroclor 1016	ug/kg	1 U	1 UT	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1221	ug/kg	1 U	1 UT	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1232	ug/kg	1 U	1 UT	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1242	ug/kg	1 U	1 UT	1 U	1 U	220	1 U	1 U	1 U	5.4	44	18	4.4 U
Aroclor 1248	ug/kg	1 U	1 UT	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1254	ug/kg	3.8	6.55 JT	1 U	1 U	340	1 U	1 U	1 U	1 U	110	47	22
Aroclor 1260	ug/kg	4	7.9 T	1 U	1 U	150	1 U	1 U	1 U	1 U	36 U	17 U	9.6 J
Aroclor 1262	ug/kg	1 U	1 UT	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 UT	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Aroclors	ug/kg	7.8 T	14.5 T	1 UT	1 UT	710 T	1 UT	1 UT	1 UT	5.4 T	154 T	65 T	31.6 T
<b>Butyltins</b>													
Butyltin ion	ug/kg	0.049 U	1.12 JT	1.3 J	0.047 U	0.37 U	0.05 U	0.045 U	0.032 U	0.036 U	0.36 U	0.7 J	1 J
Dibutyltin ion	ug/kg	0.046 U	0.6 JT	0.83 J	0.044 U	0.63 U	0.047 U	0.042 U	0.22 U	0.034 U	0.87 J	1.2 J	0.53 J
Tetrabutyltin	ug/kg	0.12 U	0.13 UT	0.11 U	0.11 U	0.089 U	0.12 U	0.11 U	0.075 U	0.083 U	0.13 U	0.12 U	0.11 U
Tributyltin ion	ug/kg	0.091 U	1.1 JT	2.3	0.087 U	1.2 J	0.093 U	0.084 U	0.06 U	0.067 U	0.58 U	1.4 J	0.087 U
Total Butyltins	ug/kg	0.12 UT	2.82 T	4.43 T	0.11 UT	1.2 T	0.12 UT	0.11 UT	0.22 UT	0.083 UT	0.87 T	3.3 T	1.53 T
<b>Conventionals</b>													
Total organic carbon	percent	0.61	2.55 T	0.84	0.57	1.33	0.59 T	0.67	0.08	0.22	1.56	0.94	0.92
Total solids	percent	59.5	55 T	64.2	64.8	78.5	60.7	64.8	93.4	83.8	53.5	61.8	62.2 T
<b>Dioxin/Furan Homologs</b>													
Heptachlorodibenzofuran homologs	pg/g	0.57 U	28.9 JT	3.83 J	--	779	--	9.13	2.08 J	--	--	114	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	1.5 U	102 JT	13.2	--	1830	--	26	5.67	--	--	200	--
Hexachlorodibenzofuran homologs	pg/g	0.0347 U	16.6 JT	2.05 J	--	82.6	--	4.73 J	1.74 J	--	--	41.6	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.282 U	18.1 JT	2.74 J	--	56.5	--	5 J	0.8 J	--	--	27.6	--
Octachlorodibenzofuran	pg/g	0.822 U	30.1 JT	9.24 J	--	2210 J	--	9.43 J	1.82 J	--	--	174	--
Octachlorodibenzo-p-dioxin	pg/g	12.2 U	521 JT	46.6	--	10400	--	121	30.7	--	--	1410	--
Pentachlorodibenzofuran homologs	pg/g	0.13 U	7.94 JT	0.612 J	--	27.6	--	2.15 J	1.82 J	--	--	16.9	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.0492 U	2.37 JT	0.138 U	--	1.74 J	--	0.234 J	0.0166 U	--	--	4.12 J	--
Tetrachlorodibenzofuran homologs	pg/g	0.0323 U	4.00 JT	0.136 U	--	11.8	--	0.261 J	0.157 J	--	--	7.41	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.0407 U	2.01 JT	0.117 U	--	0.922 J	--	0.915 J	0.0115 U	--	--	1.51	--
Total PCDD/F	pg/g	12.2 UT	733 T	78.3 T	--	15400 T	--	179 T	44.8 T	--	--	1997 T	--
<b>Dioxins/Furans</b>													
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.261 U	8.08 JT	1.13 J	--	121	--	3.25 J	0.752 J	--	--	24.3	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	1.5 U	47.1 JT	6.89 J	--	1040	--	13	2.82 J	--	--	113	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.061 U	0.682 JT	0.141 U	--	4.03 J	--	0.234 J	0.0518 U	--	--	3.11 J	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.0347 U	0.827 JT	0.159 J	--	2.63 J	--	0.348 J	0.186 J	--	--	2.31 J	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.047 U	0.528 JT	0.188 J	--	0.643 J	--	0.264 J	0.0246 U	--	--	0.92 J	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0385 U	0.726 JT	0.1 U	--	1.38 J	--	0.295 J	0.0893 J	--	--	1.67 J	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.053 U	2.41 JT	0.47 J	--	16.8	--	0.822 J	0.155 J	--	--	4.36 J	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.0398 U	0.117 JT	0.109 U	--	0.233 U	--	0.106 J	0.0182 U	--	--	0.471 J	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.0468 U	1.48 JT	0.333 J	--	2.86 J	--	0.603 J	0.0245 U	--	--	2.53 J	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.0271 U	0.271 JT	0.109 U	--	0.875 J	--	0.141 J	0.00993 U	--	--	0.707 J	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.0492 U	0.391 JT	0.138 U	--	0.482 J	--	0.234 J	0.0166 U	--	--	0.877 J	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.0381 U	0.83 JT	0.0956 U	--	2.45 J	--	0.319 J	0.111 J	--	--	1.91 J	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.0242 U	0.346 JT	0.13 J	--	1.06 J	--	0.217 J	0.0608 J	--	--	0.938 J	--
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.0323 U	0.504 JT	0.136 U	--	0.985 J	--	0.211 U	0.00463 U	--	--	0.428 J	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G026	DPSC-G027*	DPSC-G028	DPSC-G029	DPSC-G030	DPSC-G031	DPSC-G032	DPSC-G033	DPSC-G035	DPSC-G036	DPSC-G037	DPSC-G038
		15.1 West 0 - 16	15.5 West 0 - 21	15.6 West 0 - 19	15.5 East 0 - 16	15.1 East 0 - 28	14.5 East 0 - 18	13.9 MidRv 0 - 26	13.8 East 0 - 21	13.8 East 0 - 28	13.6 East 0 - 27	13.6 East 0 - 27	13.6 East 0 - 21
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.0407 U	0.244 JT	0.117 U	--	0.19 J	--	0.0589 J	0.0115 U	--	--	0.324 J	--
Dioxin/furan TCDD toxicity equivalent	pg/g	0.049 UT	2.24 T	0.251 T	--	19.2 T	--	0.842 T	0.118 T	--	--	4.84 T	--
<b>Grainsize</b>													
Medium gravel	percent	0	0.435 JT	0.065 T	0.33	30.4	70.6	1.44	64.3	39	0.67	0.43	1.4
Fine gravel	percent	0.03	1.25 T	0.075 T	1.57	22.1	7.27	0.1	11.5	10.5	0.38	5.58	2.85
Very coarse sand	percent	0.28	2.86 T	0.465 T	4.58	13.1	4.26	0.59	8.63	11.9	1.21	1.72	2.37
Coarse sand	percent	0.58	4.14 T	0.5975 T	13.3	15.1	5.61	5.23	6.78	21.1	1.77	5.31	4.51
Medium sand	percent	8.29	9.8 T	12.05 T	24.2	13.1	12.1	30.9	6.05	17.1	11.1	22	21.4
Fine sand	percent	53.5	32.8 T	48.875 T	34.5	6.05	4.55	37.7	1.58	4.86	26.2	31.2	37.4
Very fine sand	percent	26.7	20.4 T	17.1 T	13.6	1.58	3.34	10.3	0.33	0.83	19.8	16	19.7
Coarse silt	percent	8.31	15.1 T	8.955 T	4.57	0.72	4.67	6.75	0.24	0.2	14.6	7.95	7.39
Medium silt	percent	4.02	6.39 T	4.26 T	2.83	0.81	2.86	3.18	0.26	0.28	8.83	5.67	2.77
Fine silt	percent	1.88	2.94 T	2.2275 T	1.58	0.36	1.34	1.62	0.12	0.14	6.04	3.68	1.34
Very fine silt	percent	1.58	2.03 T	1.9175 T	1.27	0.26	1.16	1.73	0.17	0.16	4.73	2.82	1.2
8-9 Phi clay	percent	1.01	1.15 T	1.9725 T	1.16	0.15	0.71	0.93	0.14	0.03	2.66	1.52	0.82
>9 Phi clay	percent	0.91	1.26 T	1.7425 T	0.73	0.11	0.51	1	0.07	0.14	4.79	2.4	0.78
<b>Metals</b>													
Aluminum	mg/kg	20400	23550 T	17100	17700	8100	16600	15100	6250	6750	22100	18600	17900
Antimony	mg/kg	0.11	0.145 T	0.13	0.09	0.28	0.23	0.11	0.15	0.15	0.21	0.16	0.59
Arsenic	mg/kg	3.67	4.02 T	3.21	3.03	2.41	2.9	2.96	1.19	1.91	4.15	3.63	5.04
Cadmium	mg/kg	0.111	0.281 T	0.108	0.106	0.684	0.11	0.098	0.043	0.128	0.685	0.318	0.252
Chromium	mg/kg	23.4	26.7 T	21.1	20.1	12.4	15.5	18.2	5.28	8.07	26.3	23.3	22.1
Copper	mg/kg	21.2	32.8 T	20.7	20.2	41.9	19	18	17	15.1	36.9	27.7	25.6
Lead	mg/kg	9.12	21 T	7.41	9.93	389	6.51	7.93	8.16	6.34	84.8	44.6	34.2
Mercury	mg/kg	0.034	0.0505 T	0.025	0.024	0.101	0.017	0.043	0.007	0.009	0.112	0.058	0.05
Nickel	mg/kg	23	23.9 T	20.9	20.5	15.2	15.8	18.8	12	10.4	23.3	23.1	21.8
Selenium	mg/kg	0.08	0.13 T	0.06	0.06	0.06	0.1	0.05	0.03	0.07	0.09	0.08	0.08
Silver	mg/kg	0.053 J	0.098 JT	0.047 J	0.041 J	3.64 J	0.041 J	0.043 J	0.021 UJ	0.065 J	0.598 J	0.163 J	0.098 J
Zinc	mg/kg	71.3	99.7 T	61.5	65.8	196	47.8	60.6	32.8	49.8	195	122	95.9
<b>PAHs</b>													
C1-Chrysene	ug/kg	1.6 J	80 JT	2	6.6	160	3	2.8	2.3 J	6.4	66	25	38
C1-Dibenzothiophene	ug/kg	0.21 U	5.65 T	0.21 U	0.84 J	21	0.76 J	0.21 U	0.96 J	0.21 U	340	78	4.6
C1-Fluoranthene/pyrene	ug/kg	2 J	91.5 JT	4.2	7.9	160	3.1	1.4 J	2.7	5.5	72	26	24
C1-Fluorene	ug/kg	0.5 U	7.2 JT	0.5 U	0.79 J	5.7	1 J	0.5 U	0.59 J	0.87 J	190	48	2 J
C1-Phenanthrene/anthracene	ug/kg	0.99 J	55.5 JT	1.7 J	7.1	75	2.1 J	1 J	2.5	3.9	540	150	11
C2-Chrysene	ug/kg	0.25 U	60.5 JT	2.3	7.5	190	4.5	0.25 U	4.4	19	63	30	32
C2-Dibenzothiophene	ug/kg	0.21 U	11.75 T	0.21 U	2.5	49	0.21 U	0.21 U	1.6 J	0.21 U	200	57	6
C2-Fluoranthene/pyrene	ug/kg	1.6 J	46 JT	4.1	6.3	150	2.4	0.61 U	2.4 J	7.2	57	24	29
C2-Fluorene	ug/kg	0.62 J	8 T	0.5 U	2.3	24	1.5 J	0.5 U	1.5 J	1.4 J	460	85	4.4
C2-Naphthalene	ug/kg	0.52 J	8.05 T	0.88 J	6.9	6.4	3.6	0.44 J	2.2 J	1.6 J	700	250	5.5
C2-Phenanthrene/anthracene	ug/kg	1.3 J	47.5 JT	2.6	16	92	2.1 J	1.3 J	3.3	4.7	450	120	13
C3-Chrysene	ug/kg	0.25 U	53 T	2.1	8.5	130	5.1	0.25 U	5.1	21	55	33	26
C3-Dibenzothiophene	ug/kg	0.21 U	17 T	0.21 U	0.21 U	120	0.21 U	0.21 U	1.6 J	0.21 U	120	32	7.1
C3-Fluoranthene/pyrene	ug/kg	0.61 U	33 T	1.8 J	0.61 U	130	0.61 U	0.61 U	0.61 U	0.61 U	53	22	23
C3-Fluorene	ug/kg	0.5 U	14.1 JT	0.5 U	2.2	78	1.6 J	0.5 U	2.4 J	0.5 U	500	87	0.5 U
C3-Naphthalene	ug/kg	0.46 J	10 T	0.68 J	4.4	8.2	2.7	0.48 J	2 J	1.7 J	1200	380	4.8
C3-Phenanthrene/anthracene	ug/kg	1.7 J	33 T	2.5	6.7	130	2 J	0.75 U	3.7	7.5	230	64	25

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G026	DPSC-G027*	DPSC-G028	DPSC-G029	DPSC-G030	DPSC-G031	DPSC-G032	DPSC-G033	DPSC-G035	DPSC-G036	DPSC-G037	DPSC-G038
		15.1 West 0 - 16	15.5 West 0 - 21	15.6 West 0 - 19	15.5 East 0 - 16	15.1 East 0 - 28	14.5 East 0 - 18	13.9 MidRv 0 - 26	13.8 East 0 - 21	13.8 East 0 - 28	13.6 East 0 - 27	13.6 East 0 - 27	13.6 East 0 - 21
C4-Chrysene	ug/kg	0.25 U	28 T	0.25 U	0.25 U	64	0.25 U	0.25 U	0.25 U	11	30	15	13
C4-Naphthalene	ug/kg	0.37 U	13.0 JT	0.7 J	3.3	15	2.3	0.37 U	1.7 J	1.4 J	790	190	6.3
C4-Phenanthrene/anthracene	ug/kg	0.75 U	21 T	1.6 J	0.75 U	140	0.75 U	0.75 U	2.4 J	0.75 U	69	21	14
1-Methylnaphthalene	ug/kg	0.31 U	2.3 JT	0.31 U	2.9	2.7	1.1 J	0.31 U	0.39 J	0.39 J	68	31	1.3 J
2-Methylnaphthalene	ug/kg	0.39 U	3.45 JT	0.41 J	4.6	4.8	1.6 J	0.39 U	0.59 J	0.55 J	56	28	2.8
Acenaphthene	ug/kg	0.23 U	6.5 JT	0.23 U	0.57 J	4.6	0.77 J	0.23 U	0.7 J	0.41 J	24	15	1.1 J
Acenaphthylene	ug/kg	0.24 U	7.85 JT	0.46 J	1.6 J	8.3	0.44 J	0.26 J	0.24 U	0.32 J	6.2	2.7	1.4 J
Anthracene	ug/kg	0.47 U	30.5 JT	0.47 U	1.3 J	26	0.77 J	0.47 U	0.47 U	1 J	19	6.3	3.7
Benzo(a)anthracene	ug/kg	1.6 J	118 JT	2.3	6.6	130	1.9 J	1.5 J	1.1 J	3.4	43	14	27
Benzo(a)pyrene	ug/kg	1.7 J	124 JT	2.7	12	110	2.2	1 J	0.87 J	4.4	47	14	35
Benzo(b)fluoranthene	ug/kg	2.4	155 JT	3.4	14	140	3.1	1.7 J	1.3 J	5.2	65	20	45
Benzo(e)pyrene	ug/kg	1.8 J	90.5 JT	2.6	8.9	76	2.4	1.1 J	1.1 J	4.6	39	13	24
Benzo(g,h,i)perylene	ug/kg	1.9 J	92.5 JT	2.5	12	67	2.6	1.1 J	0.9 J	3.8	36	12	23
Benzo(k)fluoranthene	ug/kg	1 J	52 JT	1.4 J	3.9	45	0.98 J	0.64 J	0.45 J	2.1 J	21	7.1	17
Chrysene	ug/kg	1.7 J	135 JT	3.1	8.4	120	2.2 J	1.3 J	1.7 J	5.1	57	20	30
Dibenzo(a,h)anthracene	ug/kg	0.59 J	19 JT	0.54 J	2.1	20	0.55 J	0.28 U	0.28 U	1.2 J	8.6	2.3 J	5.8
Dibenzothiophene	ug/kg	0.21 U	6.55 T	0.21 U	0.42 J	5.3	0.21 U	0.21 U	0.21 U	0.43 J	49	20	0.98 J
Fluoranthene	ug/kg	3	260 JT	3.5	7.4 J	200	4.2 J	2.4 J	3.6	5.7	99	34	24
Fluorene	ug/kg	0.5 U	8.55 JT	0.5 U	0.5 U	6.9	0.62 J	0.5 U	0.61 J	0.62 J	42	19	1.6 J
Indeno(1,2,3-cd)pyrene	ug/kg	1.8 J	99 JT	2.2	12	78	2.4 J	1.1 J	0.77 J	3.3	35	11	24
Naphthalene	ug/kg	1.6 J	8.1 T	1.5 J	3.5	10	6	1.9 J	0.87 J	1.1 J	16	6.4	3.4
Perylene	ug/kg	4.1	50 T	3.8	6.3	36	4	5.6	1.5 J	4.5	31	10	13
Phenanthrene	ug/kg	1.5 J	128 JT	1.8 J	4.1	84	3.8	1.7 J	3	5.4	220	73	12
Pyrene	ug/kg	3.2	265 JT	4.4	11	240	5.2 J	2.5	4.1	5.7	100	34	26
Total C1-PAHs	ug/kg	4.59 T	239.85 T	7.9 T	23.23 T	421.7 T	9.96 T	5.2 T	9.05 T	16.67 T	1208 T	327 T	79.6 T
Total C2-PAHs	ug/kg	4.04 T	181.8 T	9.88 T	41.5 T	511.4 T	14.1 T	1.74 T	15.4 T	33.9 T	1930 T	566 T	89.9 T
Total C3-PAHs	ug/kg	2.16 T	160.1 T	7.08 T	21.8 T	596.2 T	11.4 T	0.48 T	14.8 T	30.2 T	2158 T	618 T	85.9 T
Total C4-PAHs	ug/kg	0.75 UT	61.95 T	2.3 T	3.3 T	219 T	2.3 T	0.75 UT	4.1 T	12.4 T	889 T	226 T	33.3 T
Total HPAHs	ug/kg	18.9 T	1320 T	26 T	89.4 T	1150 T	25.3 T	13.2 T	14.8 T	39.9 T	512 T	168 T	257 T
Total LPAHs	ug/kg	3.1 T	192 T	4.17 T	15.7 T	145 T	14 T	3.86 T	5.77 T	9.4 T	383 T	150 T	26 T
Total PAHs	ug/kg	22 T	1512 T	30.2 T	105 T	1295 T	39.3 T	17.1 T	20.6 T	49.3 T	894 T	319 T	283 T
<b>Pesticides</b>													
2,4'-DDD	ug/kg	0.17 U	1.35 JT	0.16 U	0.11 J	5.3 U	0.19 U	0.12 U	0.032 U	0.039 U	2 U	0.87 U	0.48 U
2,4'-DDE	ug/kg	0.17 U	0.19 UT	0.069 U	0.15 U	5.8 U	0.03 U	0.04 U	0.03 U	0.037 U	1.5 U	0.03 U	0.28 U
2,4'-DDT	ug/kg	0.68	0.45 UT	0.048 U	0.2 U	17 J	0.095 U	0.11 J	0.03 U	0.09 J	5.4	2.3	1.4 J
4,4'-DDD	ug/kg	0.1 J	2.25 T	0.2	0.88 J	5.7	0.2 J	0.17 J	0.092 J	0.086 J	2.8	0.86	0.65
4,4'-DDE	ug/kg	0.31 J	1.65 T	0.32	1.2 J	1.7 U	0.4	0.29	0.091 J	0.1 J	5.8 J	2.4 J	1.2 J
4,4'-DDT	ug/kg	1.2	1.4 JT	0.13 U	0.21 U	18	0.29	0.34	0.13 U	0.15 U	5.6	2.3	2.5 J
Total DDD	ug/kg	0.1 T	3.6 T	0.2 T	0.99 T	5.7 T	0.2 T	0.17 T	0.092 T	0.086 T	2.8 T	0.86 T	0.65 T
Total DDE	ug/kg	0.31 T	1.65 T	0.32 T	1.2 T	5.8 UT	0.4 T	0.29 T	0.091 T	0.1 T	5.8 T	2.4 T	1.2 T
Total DDT	ug/kg	1.88 T	1.4 T	0.13 UT	0.21 UT	35 T	0.29 T	0.45 T	0.13 UT	0.09 T	11 T	4.6 T	3.9 T
Total DDx	ug/kg	2.29 T	6.65 T	0.52 T	2.19 T	40.7 T	0.89 T	0.91 T	0.183 T	0.276 T	19.6 T	7.86 T	5.75 T
Aldrin	ug/kg	0.055 U	0.17 JT	0.055 U	0.055 U	0.22 U	0.055 U	0.055 U	0.055 U	0.055 U	0.2 U	0.055 U	0.2 U
alpha-Endosulfan	ug/kg	0.04 J	0.72 T	0.031 U	0.025 U	1.8 U	0.042 U	0.025 U	0.025 U	0.044 J	0.25 U	0.2 U	0.025 U
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 UT	0.047 U	0.047 U	0.048 U	0.047 U	0.047 U	0.047 U	0.047 U	0.13 J	0.047 U	0.047 U
beta-Endosulfan	ug/kg	0.051 U	0.19 UT	0.051 U	0.2 U	0.81 U	0.051 U	0.051 U	0.051 U	0.051 U	0.24 U	0.2 U	0.69 U
beta-Hexachlorocyclohexane	ug/kg	0.054 U	0.054 UT	0.054 U	0.054 U	0.2 U	0.054 U	0.054 U	0.054 U	0.054 U	0.23 U	0.2 U	0.054 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G026	DPSC-G027*	DPSC-G028	DPSC-G029	DPSC-G030	DPSC-G031	DPSC-G032	DPSC-G033	DPSC-G035	DPSC-G036	DPSC-G037	DPSC-G038
		15.1 West 0 - 16	15.5 West 0 - 21	15.6 West 0 - 19	15.5 East 0 - 16	15.1 East 0 - 28	14.5 East 0 - 18	13.9 MidRv 0 - 26	13.8 East 0 - 21	13.8 East 0 - 28	13.6 East 0 - 27	13.6 East 0 - 27	13.6 East 0 - 21
cis-Chlordane	ug/kg	0.032 U	0.5 T	0.055 J	0.032 U	1.9 J	0.032 U	0.032 U	0.032 U	0.082 J	0.091 U	0.2 U	0.032 U
cis-Nonachlor	ug/kg	0.49 U	0.9 UT	0.053 U	0.16 J	4.4 U	0.085 U	0.06 U	0.053 U	0.065 U	2.1 U	1.5 U	0.51 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 UT	0.037 U	0.037 U	0.35 U	0.037 U	0.037 U	0.037 U	0.037 U	0.2 U	0.2 U	0.037 U
Dieldrin	ug/kg	0.17 U	0.4 T	0.036 U	0.036 U	0.59 U	0.11 J	0.036 U	0.036 U	0.042 J	0.3 U	0.2 U	0.2 U
Endosulfan sulfate	ug/kg	0.053 U	0.26 UT	0.16 U	0.67	0.36 U	0.2 U	0.053 U	0.053 U	0.053 U	0.053 U	0.2 U	0.2 U
Endrin	ug/kg	0.046 U	0.046 UT	0.046 U	0.046 U	0.49 U	0.046 U	0.046 U	0.046 U	0.046 U	0.2 U	0.2 U	0.085 J
Endrin aldehyde	ug/kg	0.061 U	0.09 UT	0.047 U	0.047 U	0.93 U	0.047 U	0.047 U	0.047 U	0.047 U	0.3 U	0.2 U	0.2 U
Endrin ketone	ug/kg	0.17 U	0.19 UT	0.042 U	0.08 U	0.94 U	0.042 U	0.062 J	0.042 U	0.042 U	0.52 U	0.25 U	0.2 U
gamma-Hexachlorocyclohexane	ug/kg	0.043 U	0.19 UT	0.043 U	0.043 U	0.98 U	0.043 U	0.043 U	0.043 U	0.043 U	0.23 U	0.2 U	0.2 U
Heptachlor	ug/kg	0.07 U	0.13 UT	0.07 U	0.11 U	0.07 U	0.07 U	0.07 U	0.07 U	0.2 U	0.22 U	0.2 U	0.16 U
Heptachlor epoxide	ug/kg	0.057 U	0.19 UT	0.057 U	0.2 U	0.66 U	0.057 U	0.057 U	0.057 U	0.057 U	1.4 U	0.46 U	0.2 U
Methoxychlor	ug/kg	0.054 U	0.59 UT	0.094 U	0.054 U	0.64 U	0.054 U	0.061 U	0.054 U	0.061 U	0.42 U	0.3 U	0.25 U
Mirex	ug/kg	0.049 U	0.049 UT	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.2 U	0.049 U	0.049 U
Oxychlordane	ug/kg	0.054 U	0.054 UT	0.16 U	0.2 U	0.21 U	0.2 U	0.27 U	0.054 U	0.054 U	0.2 U	0.054 U	0.2 U
Total Chlordanes	ug/kg	0.19 T	1.53 T	0.168 T	0.51 T	15.9 T	0.039 T	0.1 T	0.054 UT	0.237 T	3.8 T	1.8 T	0.94 T
Total Endosulfans	ug/kg	0.04 T	0.72 T	0.16 UT	0.67 T	1.8 UT	0.2 UT	0.053 UT	0.053 UT	0.044 T	0.25 UT	0.2 UT	0.69 UT
Toxaphene	ug/kg	8 U	19 UT	4.9 U	7.1 U	170 U	4.3 U	4.3 U	4.3 U	4.3 U	39 U	23 U	15 U
trans-Chlordane	ug/kg	0.19 J	0.715 T	0.069 J	0.08 J	14 J	0.035 U	0.045 J	0.035 U	0.1 J	3.8	1.8	0.94
trans-Nonachlor	ug/kg	0.036 U	0.31 JT	0.044 J	0.27 J	1.7 U	0.039 J	0.055 J	0.036 U	0.055 J	0.21 U	0.2 U	0.036 U
<b>Petroleum</b>													
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	9.7 J	49.5 JT	9 J	8.4 J	160 JT	11 J	5.8 J	7.9 J	4.4 J	380 J	140 J	32 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	45 J	315 JT	47 J	44 J	725 JT	53 J	25 J	27 J	38 J	620 J	350 J	150 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	54.7 T	365 T	56 T	52.4 T	885 T	64 T	30.8 T	34.9 T	42.4 T	1000 T	490 T	182 T
<b>Phenols</b>													
2,3,4,5-Tetrachlorophenol	ug/kg	5 U	5.3 UT	4.7 U	4.5 U	3.8 U	4.9 U	4.3 U	3.2 U	3.5 U	5.6 U	4.8 U	4.8 U
2,3,5,6-Tetrachlorophenol	ug/kg	6.2 U	6.5 UT	5.8 U	5.6 U	4.7 U	6 U	5.3 U	3.9 U	4.3 U	6.9 U	5.9 U	5.9 U
2,4,5-Trichlorophenol	ug/kg	4.4 U	4.6 UT	4.1 U	3.9 U	3.3 U	4.3 U	3.8 U	2.7 U	3 U	4.9 U	4.2 U	4.2 U
2,4,6-Trichlorophenol	ug/kg	4.5 U	4.8 UT	4.2 U	4.1 U	3.4 U	4.4 U	3.9 U	2.9 U	3.1 U	5 U	4.3 U	4.4 U
2,4-Dichlorophenol	ug/kg	1 U	5 UT	1 U	1 U	5 U	1 U	1 U	--	1 U	5 U	1 U	1 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	17 U	85 UT	17 U	17 U	85 U	17 U	17 U	--	17 U	85 U	17 U	17 U
2-Chlorophenol	ug/kg	2 U	10 UT	2 U	2 U	10 U	2 U	2 U	--	2 U	10 U	2 U	2 U
2-Methylphenol	ug/kg	1.5 U	7.5 UT	1.5 U	1.5 U	7.5 U	1.5 U	1.5 U	--	1.5 U	7.5 U	1.5 U	1.5 U
2-Nitrophenol	ug/kg	1.5 U	7.5 UT	1.5 U	1.5 U	7.5 U	1.5 U	1.5 U	--	1.5 U	7.5 U	1.5 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	7 UT	1.4 U	1.4 U	7 U	1.4 U	1.4 U	--	1.4 U	7 U	1.4 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	7 UT	1.4 U	2 J	7 U	2.6 J	1.4 U	--	1.4 U	7 U	1.4 U	1.4 U
4-Methylphenol	ug/kg	1.5 U	7.8 JT	1.5 U	1.6 J	7.5 U	1.5 U	2 J	--	1.5 U	17 J	2.3 J	7.7 J
4-Nitrophenol	ug/kg	18 U	90 UT	18 U	18 U	90 U	18 U	18 U	--	18 U	90 U	18 U	18 U
Pentachlorophenol	ug/kg	5.9 U	6.2 UT	5.5 U	5.3 U	4.4 U	5.7 U	5.1 U	3.7 U	4.1 U	6.5 U	5.6 U	5.6 U
Phenol	ug/kg	2 U	10 UT	4.5 J	8.7 J	10 U	13 J	4.2 J	--	2 U	14 J	7.8 J	13 J
<b>Phthalates</b>													
Bis(2-ethylhexyl) phthalate	ug/kg	11 J	250 T	15 J	32	470	22	52	9.2 J	19 J	200	100	180
Butylbenzyl phthalate	ug/kg	3.2 U	18 JT	3.2 U	3.2 U	16 U	3.6 J	3.2 U	3.2 U	3.7 J	16 U	3.2 U	3.2 U
Dibutyl phthalate	ug/kg	7.9 U	40 UT	7.9 U	7.9 U	40 U	7.9 U	7.9 U	7.9 U	7.9 U	40 U	7.9 U	8.2 J
Diethyl phthalate	ug/kg	1.3 U	6.5 UT	1.3 U	1.5 J	6.5 U	1.3 U	1.3 U	1.3 U	1.3 U	6.5 U	1.3 U	1.7 J
Dimethyl phthalate	ug/kg	1 U	5 UT	1 U	1 U	5 U	1 U	1 U	1 U	1 U	5 U	40	1.7 J
Di-n-octyl phthalate	ug/kg	1.7 U	8.5 UT	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	6.2 J

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.



Table 6-2a  
Analytical Results of Surface Sediment Samples - DPSC Data

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G026	DPSC-G027*	DPSC-G028	DPSC-G029	DPSC-G030	DPSC-G031	DPSC-G032	DPSC-G033	DPSC-G035	DPSC-G036	DPSC-G037	DPSC-G038
		15.1 West 0 - 16	15.5 West 0 - 21	15.6 West 0 - 19	15.5 East 0 - 16	15.1 East 0 - 28	14.5 East 0 - 18	13.9 MidRv 0 - 26	13.8 East 0 - 21	13.8 East 0 - 28	13.6 East 0 - 27	13.6 East 0 - 27	13.6 East 0 - 21
<b>SVOCs</b>													
1,2,4-Trichlorobenzene	ug/kg	2.6 U	13 UT	2.6 U	2.6 U	13 U	2.6 U	2.6 U	2.6 U	2.6 U	13 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	15 UT	2.9 U	2.9 U	15 U	2.9 U	2.9 U	2.9 U	2.9 U	15 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	15 UT	3 U	3 U	15 U	3 U	3 U	3 U	3 U	15 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	2.9 U	15 UT	2.9 U	2.9 U	36	2.9 U	2.9 U	2.9 U	2.9 U	15 U	3.1 J	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	7.5 UT	1.5 U	1.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.5 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	10 UT	2 U	2 U	10 U	2 U	2 U	2 U	2 U	10 U	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	8 UT	1.6 U	1.6 U	8 U	1.6 U	1.6 U	1.6 U	1.6 U	8 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	16 UT	3.2 U	3.2 U	16 U	3.2 U	3.2 U	3.2 U	3.2 U	16 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	19 UT	3.7 U	3.7 U	19 U	3.7 U	3.7 U	3.7 U	3.7 U	19 U	3.7 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	13 UT	2.5 U	2.5 U	13 U	2.5 U	2.5 U	2.5 U	2.5 U	13 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	8 UT	1.6 U	1.6 U	8 U	1.6 U	1.6 U	1.6 U	1.6 U	8 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	9.5 UT	1.9 U	1.9 U	9.5 U	1.9 U	1.9 U	1.9 U	1.9 U	15 J	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	7 UT	1.4 U	1.4 U	7 U	1.4 U	1.4 U	1.4 U	1.4 U	7 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	9 UT	1.8 U	1.8 U	9 U	1.8 U	1.8 U	1.8 U	1.8 U	9 U	1.8 U	1.8 U
Aniline	ug/kg	20 U	7.5 UT	1.5 U	1.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.5 U	8.6 J	1.5 U
Azobenzene	ug/kg	1.1 U	5.5 UT	1.1 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	1.1 U
Benzoic acid	ug/kg	96 U	480 UT	96 U	96 U	480 U	96 U	96 U	--	96 U	480 U	96 U	140 J
Benzyl alcohol	ug/kg	3.1 J	11 UT	6.9 J	2.5 J	11 U	5.3 J	2.6 J	2.1 U	2.1 U	11 U	2.1 U	2.1 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	7.5 UT	1.5 U	1.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.5 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	9.5 UT	1.9 U	1.9 U	9.5 U	1.9 U	1.9 U	1.9 U	1.9 U	9.5 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	13 UT	2.6 U	2.6 U	13 U	2.6 U	2.6 U	2.6 U	2.6 U	13 U	2.6 U	2.6 U
Carbazole	ug/kg	1.3 U	11.3 JT	1.3 U	1.3 U	18 J	1.3 U	1.3 U	1.3 U	1.3 U	6.5 U	1.3 U	3.4 J
Dibenzofuran	ug/kg	0.59 U	3.3 JT	0.59 U	0.59 U	4.8	0.59 U	0.59 U	0.59 U	0.59 U	11	8	0.91 J
Hexachlorobenzene	ug/kg	0.12 U	0.195 JT	0.12 U	0.12 U	0.48 U	0.12 U	1.9	0.12 U	0.12 U	0.26 U	0.16 J	0.12 J
Hexachlorobutadiene	ug/kg	0.065 U	0.065 UT	0.065 U	0.065 U	0.065 U	0.096 U	0.065 U	0.065 U	0.065 U	0.13 U	0.065 U	0.065 U
Hexachlorocyclopentadiene	ug/kg	29 U	150 UT	29 U	29 U	150 U	29 U	29 U	29 U	29 U	150 U	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 UT	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Isophorone	ug/kg	1 U	5 UT	1 U	1 U	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	11 UT	2.2 U	2.2 U	11 U	2.2 U	2.2 U	2.2 U	2.2 U	11 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	31 UT	6.1 U	6.1 U	31 U	6.1 U	6.1 U	6.1 U	6.1 U	31 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	8 UT	1.6 U	1.6 U	8 U	1.6 U	1.6 U	1.6 U	1.6 U	8 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	12 UT	2.4 U	2.4 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	12 U	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

Table 6-2a  
Analytical Results of Surface Sediment Samples - DPSC Data

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G039	DPSC-G040	DPSC-G041*	DPSC-G042	DPSC-G043	DPSC-G044	DPSC-G045	DPSC-G046	DPSC-G047	DPSC-G048	DPSC-G049	DPSC-G050
		13.5 East 0 - 25	13.6 East 0 - 28	13.5 East 0 - 30	13.4 East 0 - 30	13.3 East 0 - 19	13.3 East 0 - 70	13.3 East 0 - 27	13.2 East 0 - 18	13.1 East 0 - 12	13.1 East 0 - 15	13 East 0 - 12	13 East 0 - 13
<b>PCB Aroclors</b>													
Aroclor 1016	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	220 U	1 U	1 U
Aroclor 1221	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	14 U	1 U	1 U
Aroclor 1232	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	250 U	1 U	1 U
Aroclor 1242	ug/kg	2.7 U	1 U	39.5 T	--	1 U	1.1 U	7.5 U	1 U	1 U	120 U	1 U	1 U
Aroclor 1248	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	11 U	1 U	1 U
Aroclor 1254	ug/kg	4.6	1 U	64 T	--	1 U	1.1 U	1.7 U	1 U	1 U	1600 J	15	1 U
Aroclor 1260	ug/kg	5.5	1 U	30 T	--	3.5	17	62	14	68	2600	28	2.3 J
Aroclor 1262	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	11 U	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	11 U	1 U	1 U
Total Aroclors	ug/kg	10.1 T	1 UT	134 T	--	3.5 T	17 T	62 T	14 T	68 T	4200 T	43 T	2.3 T
<b>Butyltins</b>													
Butyltin ion	ug/kg	0.044 U	0.04 U	0.89 JT	--	0.043 U	0.066 U	1.2 U	0.049 U	0.041 U	2.8 J	4.4 J	2.1 J
Dibutyltin ion	ug/kg	0.8 J	0.038 U	0.495 JT	--	0.04 U	0.062 U	0.98 U	0.26 U	0.038 U	2.7	16	8.5
Tetrabutyltin	ug/kg	0.11 U	0.093 U	0.13 UT	--	0.099 U	0.16 U	0.23 U	0.12 U	0.095 U	0.15 U	0.099 U	0.13 U
Tributyltin ion	ug/kg	2.3	0.075 U	0.66 JT	--	0.079 U	0.13 U	1.2 U	0.091 U	0.076 U	0.99 J	2.7	0.11 U
Total Butyltins	ug/kg	3.1 T	0.093 UT	2.05 T	--	0.099 UT	0.16 UT	1.2 UT	0.26 UT	0.095 UT	6.49 T	23.1 T	10.6 T
<b>Conventionals</b>													
Total organic carbon	percent	1.13	0.15	1.43 T	0.44	0.49	5.76	13.1	0.85	0.5	2	0.98	1.06 T
Total solids	percent	68.8	73.3	57.3 T	--	71.2	45.6	30.8	61.5	73.9	48.3	70.8	54
<b>Dioxin/Furan Homologs</b>													
Heptachlorodibenzofuran homologs	pg/g	--	--	149 T	--	--	296	200	--	--	44.9	66.6	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	--	--	412 T	--	--	32.3	966	--	--	99.2	153	--
Hexachlorodibenzofuran homologs	pg/g	--	--	35.8 T	--	--	246	136	--	--	14.6	78.3	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	--	--	40.7 T	--	--	7.79 J	86.7	--	--	12.6	24.6	--
Octachlorodibenzofuran	pg/g	--	--	242 T	--	--	54	147	--	--	51.4	71.8	--
Octachlorodibenzo-p-dioxin	pg/g	--	--	2710 T	--	--	155	5640	--	--	543	812	--
Pentachlorodibenzofuran homologs	pg/g	--	--	27.7 T	--	--	52.6	38.1	--	--	20.2	132	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	--	--	5.73 T	--	--	0.577 J	5.25 J	--	--	1.38 J	3.89 J	--
Tetrachlorodibenzofuran homologs	pg/g	--	--	15.3 T	--	--	2.89	7.45	--	--	8.5	95.2	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	--	--	3.95 T	--	--	0.747 J	1.15 J	--	--	2.86	4.15	--
Total PCDD/F	pg/g	--	--	3642 T	--	--	848 T	7228 T	--	--	799 T	1442 T	--
<b>Dioxins/Furans</b>													
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	--	--	32.3 T	--	--	95.9	52.1	--	--	12.5	19	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	--	--	215 T	--	--	16.5	539	--	--	50.1	83.1	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	--	--	2.17 JT	--	--	9.06 J	3.39 J	--	--	1.84 J	1.81 J	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	--	--	2.13 JT	--	--	13.7	6.86 J	--	--	3.25 J	10.2 J	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	0.858 JT	--	--	0.617 J	2.73 J	--	--	0.66 J	1.08 J	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	1.70 JT	--	--	10.2 J	3.19 J	--	--	1.04 J	2.98 J	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	6.84 T	--	--	1.26 J	28.4	--	--	2.93 J	4.11 J	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	--	--	0.166 JT	--	--	0.285 J	0.346 J	--	--	0.0651 J	0.131 J	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	--	--	3.04 JT	--	--	0.78 J	6.04 J	--	--	1.64 J	2.43 J	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	--	--	0.512 JT	--	--	0.274 J	0.951 J	--	--	0.429 J	2.8 J	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	--	--	0.623 JT	--	--	0.303 J	1.13 J	--	--	0.523 J	0.864 J	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	2.15 JT	--	--	35.4	5.57 J	--	--	1.61 J	5.46	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	--	--	0.844 JT	--	--	0.585 J	1.4 J	--	--	0.559 J	9.25 J	--
2,3,7,8-Tetrachlorodibenzofuran	pg/g	--	--	0.968 JT	--	--	0.44 U	0.828 J	--	--	0.242 U	8.58	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G039	DPSC-G040	DPSC-G041*	DPSC-G042	DPSC-G043	DPSC-G044	DPSC-G045	DPSC-G046	DPSC-G047	DPSC-G048	DPSC-G049	DPSC-G050
		13.5 East 0 - 25	13.6 East 0 - 28	13.5 East 0 - 30	13.4 East 0 - 30	13.3 East 0 - 19	13.3 East 0 - 70	13.3 East 0 - 27	13.2 East 0 - 18	13.1 East 0 - 12	13.1 East 0 - 15	13 East 0 - 12	13 East 0 - 13
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	--	--	0.341 JT	--	--	0.128 J	0.37 J	--	--	0.474 J	0.283 J	--
Dioxin/furan TCDD toxicity equivalent	pg/g	--	--	6.39 T	--	--	8.12 T	15.0 T	--	--	3.12 T	8.81 T	--
<b>Grainsize</b>													
Medium gravel	percent	4.16	30.2	2.77 JT	79.9	19.8	67.8	10.545 T	65.9	51.9	12.2	24.7	0.63
Fine gravel	percent	8.62	7.08	0.53 T	2.39	2.43	3.35	6.595 T	3.56	23.6	0.4	20.5	0.34
Very coarse sand	percent	6.76	2.69	1.75 T	2.62	4.17	4.59	5.92 T	3.32	5.5	4.97	5.96	1.09
Coarse sand	percent	8.48	38.5	2.16 T	2.51	11.3	7.29	8.855 T	4.91	6.78	6.13	13.9	1.35
Medium sand	percent	17.6	24.7	7.02 T	3.1	32.9	11.6	11.9 T	6.81	6.53	12.5	17	6.43
Fine sand	percent	23.9	1.91	26.3 T	1.67	19.4	12.3	8.22 T	10.9	5.31	22.9	7.52	40.8
Very fine sand	percent	16.9	0.25	22 T	0.58	3.22	5.57	3.075 T	4.89	2	14.3	3.2	29.7
Coarse silt	percent	6.8	0.2	13.2 T	0.37	1.13	1.63	0.765 T	1.53	1.34	7.2	2.53	10.9
Medium silt	percent	2.25	0.11	6.84 T	0.34	1.27	1.17	0.87 T	1.23	0.97	5.54	2.22	7
Fine silt	percent	1.24	0.1	4.04 T	0.26	0.74	0.86	0.645 T	0.65	0.85	3.28	1.36	3.76
Very fine silt	percent	1.14	0.18	2.63 T	0.14	0.69	0.69	0.565 T	0.52	0.45	2.36	0.97	2.95
8-9 Phi clay	percent	0.89	0.05	1.84 T	0.15	0.47	0.42	0.405 T	0.37	0.34	1.14	1.2	1.72
>9 Phi clay	percent	1.13	0.18	3.24 T	0.05	0.51	0.64	0.425 T	0.43	0.27	1.54	1.33	2.95
<b>Metals</b>													
Aluminum	mg/kg	11100	8780	21650 JT	--	10500 J	13500 J	7300 J	18000 J	8080 J	16700 J	12000 J	21900 J
Antimony	mg/kg	0.28	0.09	0.63 JT	--	0.13	0.2	0.33	0.17	0.26	0.43	2.83	0.15
Arsenic	mg/kg	2.69	2.08	3.51 T	--	3.54	2.7	3.06	4.48	4.73	3.62	26.9	3.08
Cadmium	mg/kg	0.207	0.059	0.237 T	--	0.11	0.233	0.284	0.384	0.167	0.288	0.681	0.168
Chromium	mg/kg	16.1	11.3	18.7 T	--	31.6	13.5	14.7	35.9	10.4	21.9	47.6	18.7
Copper	mg/kg	20.4	15.7	22.4 JT	--	81.6 J	22.5 J	66.3 J	44.2 J	43.5	27.6 J	74.8 J	27.1 J
Lead	mg/kg	21.9	3.5	55 T	--	37.2	25.8	49.1	23.4	46.3	78.5	130	13.6
Mercury	mg/kg	0.05	0.015	0.713 JT	--	0.034	0.15	0.134	0.047	0.028	0.062 T	0.04	0.029
Nickel	mg/kg	19.1	14.9	17.5 T	--	28.6	14.3	11	20.4	11.5 J	16.1	39.1	18.6
Selenium	mg/kg	0.06	0.04	0.085 T	--	0.04	0.12	0.09	0.07	0.08	0.11	0.13	0.12
Silver	mg/kg	0.095 J	0.023 UJ	0.239 T	--	0.061	0.098	0.163	0.125	0.395	0.233	0.56	0.172
Zinc	mg/kg	76.8	42.7	109 JT	--	67.4 J	53 J	53.8 J	70.1 J	62	87.3 J	488 J	66.1 J
<b>PAHs</b>													
C1-Chrysene	ug/kg	29	0.25 U	26.5 T	--	7	17	34	67	17	32	110	24
C1-Dibenzothiophene	ug/kg	5.5	0.21 U	40.5 T	--	0.95 J	7.5	14	2.7	0.21 U	3.6	17	0.81 J
C1-Fluoranthene/pyrene	ug/kg	19	0.61 U	29 T	--	3.7	24	71	77	9.2	24	110	15
C1-Fluorene	ug/kg	1.8 J	0.5 U	18 T	--	0.86 J	3.1	12	4.9	0.5 U	2.2 J	14	1.1 J
C1-Phenanthrene/anthracene	ug/kg	9.5	0.75 U	66 T	--	3.3	19	51	51	2.4	12	150	5.1
C2-Chrysene	ug/kg	73	0.25 U	35 T	--	9.3	35	34	66	43	56	94	38
C2-Dibenzothiophene	ug/kg	4.9	0.21 U	27.5 T	--	1.6 J	8.8	14	7.5	0.21 U	3.9	17	2.5
C2-Fluoranthene/pyrene	ug/kg	32	0.61 U	30 T	--	4.5	14	32	44	17	33	79	30
C2-Fluorene	ug/kg	5.4	0.5 U	44 T	--	1.5 J	7.5	14	5.6	0.74 J	6.1	13	2.6
C2-Naphthalene	ug/kg	4.6	0.37 U	79 T	--	3.4	8	52	11	1.1 J	5.4	28	3
C2-Phenanthrene/anthracene	ug/kg	19	0.75 U	89 T	--	4.9	31	42	40	4.4	23	120	8.4
C3-Chrysene	ug/kg	98	0.25 U	36.5 T	--	8	33	39	56	74	76	79	65
C3-Dibenzothiophene	ug/kg	0.21 U	0.21 U	18 T	--	1.3 J	7.3	10	5.9	0.21 U	9.6	15	3.5
C3-Fluoranthene/pyrene	ug/kg	51	0.61 U	36.5 T	--	5.2	23	35	37	31	40	57	51
C3-Fluorene	ug/kg	7.7	0.5 U	54 T	--	1.9 J	9	17	5.5	0.5 U	8.9	24	2.9
C3-Naphthalene	ug/kg	6.7	0.37 U	145 T	--	2.8	11	31	7.8	0.89 J	3.9	23	1.9 J
C3-Phenanthrene/anthracene	ug/kg	25	0.75 U	59 T	--	4.7	45	29	29	7.5	38	70	13

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G039	DPSC-G040	DPSC-G041*	DPSC-G042	DPSC-G043	DPSC-G044	DPSC-G045	DPSC-G046	DPSC-G047	DPSC-G048	DPSC-G049	DPSC-G050
		13.5 East 0 - 25	13.6 East 0 - 28	13.5 East 0 - 30	13.4 East 0 - 30	13.3 East 0 - 19	13.3 East 0 - 70	13.3 East 0 - 27	13.2 East 0 - 18	13.1 East 0 - 12	13.1 East 0 - 15	13 East 0 - 12	13 East 0 - 13
C4-Chrysene	ug/kg	54	0.25 U	22.5 T	--	4	18	18	31	49	47	38	36
C4-Naphthalene	ug/kg	11	0.37 U	105 T	--	2.6	14	27	6.1	0.37 U	5.5	31	1.9 J
C4-Phenanthrene/anthracene	ug/kg	27	0.75 U	38.5 JT	--	5.9	39	17	13	6.8	16	48	8.6
1-Methylnaphthalene	ug/kg	1.2 J	0.31 U	4.25 T	--	1 J	4.8	140	6.5	0.42 J	1.9 J	11	1.1 J
2-Methylnaphthalene	ug/kg	1.7 J	0.39 U	7.9 T	--	1.5 J	5.6	140	5.5	0.69 J	4	9.5	1.8 J
Acenaphthene	ug/kg	0.92 J	0.23 U	4.45 T	--	0.99 J	2.8 J	280	12	0.53 J	1.3 J	17	1.1 J
Acenaphthylene	ug/kg	1.2 J	0.24 U	4.3 T	--	1.5 J	15	720	1.7 J	2.4	3.5	7	0.84 J
Anthracene	ug/kg	2 J	0.47 U	2.55 JT	--	2.4 J	6.4	65	15	1.4 J	5.3	50	2.7
Benzo(a)anthracene	ug/kg	8.7	0.72 J	16 JT	--	2.8	11	51	92	6.6	18	110	8.3
Benzo(a)pyrene	ug/kg	14	0.45 J	17 T	--	2.8	17	62	110	12	30	140	10
Benzo(b)fluoranthene	ug/kg	17	0.68 J	22 T	--	5.6	24	83	140	14	36	150	14
Benzo(e)pyrene	ug/kg	16	0.5 J	15.5 T	--	6.2	15	52	86	16	31	100	14
Benzo(g,h,i)perylene	ug/kg	15	0.64 U	18 T	--	4.7	17	71	88	17	40	140	12
Benzo(k)fluoranthene	ug/kg	5.8	0.26 J	9.55 JT	--	2 J	11	31	60	3.2	11	45	4.5
Chrysene	ug/kg	11	0.56 J	24 T	--	3.8	19	57	120	8	20	120	7.3 J
Dibenzo(a,h)anthracene	ug/kg	4.5	0.28 U	3.3 T	--	2.1 J	2.6 J	8.5	22	3.1	6.2	21	2.7
Dibenzothiophene	ug/kg	0.75 J	0.21 U	4.6 T	--	0.51 J	1.5 J	4.4	8.3	0.21 U	1.7 J	7.9	0.71 J
Fluoranthene	ug/kg	16	1.1 J	36 T	--	5.6	53	360	200	7.2 J	41	220	17
Fluorene	ug/kg	1 J	0.5 U	6.1 T	--	1.5 J	2.8 J	100	10	0.5 U	1.5 J	19	0.95 J
Indeno(1,2,3-cd)pyrene	ug/kg	12	0.4 J	16 T	--	3.7	15	53	89	12	34	130	10
Naphthalene	ug/kg	5.8	0.76 J	15 T	--	5	140	3400	12	2.1	9.9	12	5.1
Perylene	ug/kg	22	0.34 J	17.5 T	--	5.6	5.4	18	32	12	13	46	7.6
Phenanthrene	ug/kg	10	0.75 U	36 T	--	7.2	44	460	140	2.5	15	210	7.4
Pyrene	ug/kg	18	1 J	38 T	--	8.5	49	460	200	13 J	53	270	19
Total C1-PAHs	ug/kg	64.8 T	0.75 UT	180 T	--	15.81 T	70.6 T	182 T	202.6 T	28.6 T	73.8 T	401 T	46.01 T
Total C2-PAHs	ug/kg	138.9 T	0.75 UT	304.5 T	--	25.2 T	104.3 T	188 T	174.1 T	66.24 T	127.4 T	351 T	84.5 T
Total C3-PAHs	ug/kg	188.4 T	0.75 UT	349 T	--	23.9 T	128.3 T	161 T	141.2 T	113.39 T	176.4 T	268 T	137.3 T
Total C4-PAHs	ug/kg	92 T	0.75 UT	166 T	--	12.5 T	71 T	62 T	50.1 T	55.8 T	68.5 T	117 T	46.5 T
Total HPAHs	ug/kg	122 T	5.17 T	200 T	--	41.6 T	219 T	1237 T	1121 T	96.1 T	289 T	1346 T	105 T
Total LPAHs	ug/kg	22.6 T	0.76 T	76.3 T	--	20.1 T	217 T	5165 T	196 T	9.62 T	40.5 T	325 T	19.9 T
Total PAHs	ug/kg	145 T	5.93 T	276 T	--	61.7 T	435 T	6402 T	1317 T	106 T	330 T	1671 T	125 T
<b>Pesticides</b>													
2,4'-DDD	ug/kg	0.17 U	0.032 U	18.5 JT	--	0.23 U	0.37 J	2.7 J	0.84	1.3	120 J	2.5	0.19 U
2,4'-DDE	ug/kg	0.2 U	0.03 U	0.3 UT	--	0.066 U	0.11 U	0.36 U	0.17 U	0.22 U	63 U	2.2 U	0.096 U
2,4'-DDT	ug/kg	0.34 J	0.03 U	14 JT	--	0.39 J	0.22 U	4.3 J	1.3 J	0.96 U	53 U	1.3	0.32 U
4,4'-DDD	ug/kg	0.41	0.047 U	22 T	--	0.12 J	0.052 U	0.48	0.67	0.74	24	2.3	0.24 U
4,4'-DDE	ug/kg	0.53	0.034 U	6.5 JT	--	0.19	0.086 J	0.33 U	0.47	0.7	6.4 U	2.3 J	1.1 J
4,4'-DDT	ug/kg	0.6 U	0.13 U	240 JT	--	0.42	1.6	5.6 U	1.5	4.4	78 U	3	0.5 U
Total DDD	ug/kg	0.41 T	0.047 UT	40.5 T	--	0.12 T	0.37 T	3.18 T	1.51 T	2.04 T	144 T	4.8 T	0.24 UT
Total DDE	ug/kg	0.53 T	0.034 UT	6.5 T	--	0.19 T	0.086 T	0.36 UT	0.47 T	0.7 T	63 UT	2.3 T	1.1 T
Total DDT	ug/kg	0.34 T	0.13 UT	254 T	--	0.81 T	1.6 T	4.3 T	2.8 T	4.4 T	78 UT	4.3 T	0.5 UT
Total DDx	ug/kg	1.28 T	0.13 UT	301 T	--	1.12 T	2.06 T	7.48 T	4.78 T	7.14 T	144 T	11.4 T	1.1 T
Aldrin	ug/kg	0.097 J	0.055 U	0.63 UJT	--	0.055 U	0.061 U	0.09 U	0.086 J	0.065 U	4.1 U	0.055 U	0.055 U
alpha-Endosulfan	ug/kg	0.026 U	0.025 U	0.72 JT	--	0.025 U	0.048 U	0.17 J	0.059 U	0.2 U	3 U	0.15 U	0.11 J
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.26 JT	--	0.047 U	0.052 U	0.077 U	0.047 U	0.047 U	0.25 U	0.047 U	0.048 U
beta-Endosulfan	ug/kg	0.091 J	0.051 U	1.8 JT	--	0.051 U	0.056 U	0.69 U	0.14 J	0.22 U	6.4 U	0.47 U	0.092 J
beta-Hexachlorocyclohexane	ug/kg	0.054 U	0.054 U	0.745 T	--	0.054 U	0.22 U	0.088 U	0.054 U	0.086 U	1.1 U	0.054 U	0.054 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G039	DPSC-G040	DPSC-G041*	DPSC-G042	DPSC-G043	DPSC-G044	DPSC-G045	DPSC-G046	DPSC-G047	DPSC-G048	DPSC-G049	DPSC-G050
		13.5 East 0 - 25	13.6 East 0 - 28	13.5 East 0 - 30	13.4 East 0 - 30	13.3 East 0 - 19	13.3 East 0 - 70	13.3 East 0 - 27	13.2 East 0 - 18	13.1 East 0 - 12	13.1 East 0 - 15	13 East 0 - 12	13 East 0 - 13
cis-Chlordane	ug/kg	0.17 J	0.032 U	1.6 JT	--	0.032 U	0.047 U	0.052 U	0.1 J	0.12 J	24 U	0.3 J	0.032 U
cis-Nonachlor	ug/kg	0.32 U	0.053 U	10 UT	--	0.27 U	1.1 U	3.2 U	0.9 U	0.45 U	210 U	1.9 U	0.18 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.037 UT	--	0.037 U	0.041 U	0.061 U	0.037 U	0.037 U	15 U	0.15 U	0.037 U
Dieldrin	ug/kg	0.061 U	0.036 U	7.45 T	--	0.036 U	0.22 U	0.059 U	0.036 U	0.036 U	6.5 U	0.15 U	0.051 J
Endosulfan sulfate	ug/kg	0.2 U	0.053 U	0.053 UT	--	0.053 U	0.058 U	0.086 U	0.053 U	0.2 U	0.28 U	0.15 U	0.19 U
Endrin	ug/kg	0.046 U	0.046 U	0.31 UT	--	0.046 U	0.051 U	0.11 U	0.046 U	0.062 U	7.7	0.15 U	0.13 U
Endrin aldehyde	ug/kg	0.061 U	0.047 U	0.2 UT	--	0.047 U	0.052 U	0.33 U	0.047 U	0.39 U	27 U	0.4 U	0.047 U
Endrin ketone	ug/kg	0.17 U	0.042 U	1.3 UT	--	0.15 U	0.27 U	1.1 U	0.21 U	1.2 U	86 U	0.39 U	0.19 U
gamma-Hexachlorocyclohexane	ug/kg	0.26 J	0.043 U	0.68 JT	--	0.043 U	0.22 U	1.4 J	0.043 U	0.043 U	1.3 U	0.61 U	0.043 U
Heptachlor	ug/kg	0.2 U	0.07 U	0.07 UT	--	0.07 U	0.077 U	0.12 U	0.07 U	0.07 U	0.37 U	0.15 U	0.19 U
Heptachlor epoxide	ug/kg	0.2 U	0.057 U	0.057 UT	--	0.057 U	0.063 U	0.26 U	0.17 U	0.064 U	68 J	0.15 U	0.19 U
Methoxychlor	ug/kg	0.2 U	0.054 U	1.3 UT	--	0.065 U	0.27 U	0.44 U	0.17 U	0.61 U	32 U	0.39 U	0.054 U
Mirex	ug/kg	0.049 U	0.049 U	0.22 UT	--	0.049 U	0.054 U	0.08 U	0.049 U	0.049 U	0.26 U	0.049 U	0.049 U
Oxychlordane	ug/kg	0.2 U	0.054 U	0.054 UT	--	0.054 U	0.06 U	0.088 U	0.054 U	0.054 U	4.3 J	0.38 U	0.19 U
Total Chlordanes	ug/kg	0.46 T	0.054 UT	8.1 T	--	0.12 T	1.1 UT	3.2 UT	0.61 T	0.88 T	4.3 T	1.03 T	0.089 T
Total Endosulfans	ug/kg	0.091 T	0.053 UT	2.52 T	--	0.053 UT	0.058 UT	0.17 T	0.14 T	0.22 UT	6.4 UT	0.47 UT	0.202 T
Toxaphene	ug/kg	11 U	4.3 U	110 UT	--	6.1 U	16 U	49 U	25 U	58 U	1800 U	62 U	19 U
trans-Chlordane	ug/kg	0.29	0.035 U	6.5 JT	--	0.12 J	0.039 U	0.057 U	0.51 J	0.76 J	60 U	0.73 J	0.084 U
trans-Nonachlor	ug/kg	0.12 U	0.036 U	0.58 UT	--	0.036 U	0.22 U	0.33 U	0.036 U	0.2 U	2.8 U	0.15 U	0.089 J
<b>Petroleum</b>													
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	36 J	1.7 UT	320 JT	--	15.5 JT	73 J	140 J	34 J	48 J	71 J	93 J	18 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	200 J	4.9 JT	1000 JT	--	45 JT	160 J	810 J	270 J	440 J	600 J	910	100 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	236 T	4.9 T	1320 T	--	60.5 T	233 T	950 T	304 T	488 T	671 T	1003 T	118 T
<b>Phenols</b>													
2,3,4,5-Tetrachlorophenol	ug/kg	4.3 U	4 U	4.3 UT	--	4.1 U	6.3 U	9.6 U	4.7 U	4 U	6.1 U	4.2 U	5.6 U
2,3,5,6-Tetrachlorophenol	ug/kg	5.3 U	4.9 U	5.3 UT	--	5.1 U	7.7 U	12 U	5.8 U	4.9 U	7.5 U	5.1 U	6.8 U
2,4,5-Trichlorophenol	ug/kg	3.8 U	3.4 U	3.7 UT	--	3.6 U	5.4 U	8.4 U	4.1 U	3.5 U	5.3 U	3.6 U	4.8 U
2,4,6-Trichlorophenol	ug/kg	3.9 U	3.6 U	3.8 UT	--	3.7 U	5.6 U	8.7 U	4.3 U	3.6 U	5.5 U	3.7 U	5 U
2,4-Dichlorophenol	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	1.1 U	1 U	1 U
2,4-Dimethylphenol	ug/kg	--	--	5.5 UT	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	17 U	17 U	17 UT	--	17 U	19 U	28 U	17 U	17 U	18 U	17 U	17 U
2-Chlorophenol	ug/kg	2 U	2 U	2 UT	--	2 U	2.2 U	3.3 U	2 U	2 U	2.1 U	2 U	2 U
2-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 UT	--	1.5 U	8.1 J	2.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
2-Nitrophenol	ug/kg	1.5 U	1.5 U	1.5 UT	--	1.5 U	1.7 U	2.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	1.4 UT	--	1.4 U	1.6 U	2.3 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	1.4 UT	--	1.4 U	1.6 U	2.3 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U
4-Methylphenol	ug/kg	1.5 U	1.5 U	13 T	--	1.5 U	1.7 U	47	1.5 U	1.5 U	360	1.5 U	1.5 U
4-Nitrophenol	ug/kg	18 U	18 U	18 UT	--	18 U	20 U	30 U	18 U	18 U	19 U	18 U	18 U
Pentachlorophenol	ug/kg	5 U	4.6 U	5 UT	--	4.8 U	7.3 U	12 U	5.5 U	4.7 U	7.1 U	4.8 U	150
Phenol	ug/kg	4.1 J	7.4 J	2 UT	--	7.2 U	23 J	80	4.3 U	2.2 J	39	2 U	2 U
<b>Phthalates</b>													
Bis(2-ethylhexyl) phthalate	ug/kg	82	7 U	815 T	--	11 J	18 J	74	60	28	330	210	180
Butylbenzyl phthalate	ug/kg	3.2 U	3.2 U	33 T	--	3.2 U	3.6 U	16 J	3.2 U	3.2 U	3.4 U	3.2 U	3.2 U
Dibutyl phthalate	ug/kg	8.9 J	7.9 U	20.5 T	--	7.9 U	8.9 J	130	7.9 U	7.9 U	16	9.6	13
Diethyl phthalate	ug/kg	1.9 J	1.5 J	12 UT	--	1.3 J	1.5 U	6.5 J	1.9 J	1.3 U	5.9 J	1.9 J	3.3 J
Dimethyl phthalate	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	1.1 U	1 U	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 UT	--	1.7 U	1.9 U	2.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

Table 6-2a  
Analytical Results of Surface Sediment Samples - DPSC Data

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G039	DPSC-G040	DPSC-G041*	DPSC-G042	DPSC-G043	DPSC-G044	DPSC-G045	DPSC-G046	DPSC-G047	DPSC-G048	DPSC-G049	DPSC-G050
		13.5 East 0 - 25	13.6 East 0 - 28	13.5 East 0 - 30	13.4 East 0 - 30	13.3 East 0 - 19	13.3 East 0 - 70	13.3 East 0 - 27	13.2 East 0 - 18	13.1 East 0 - 12	13.1 East 0 - 15	13 East 0 - 12	13 East 0 - 13
<b>SVOCs</b>													
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 UT	--	2.6 U	2.9 U	4.3 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 UT	--	2.9 U	3.2 U	4.8 U	2.9 U	2.9 U	3 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 UT	--	3 U	3.3 U	4.9 U	3 U	3 U	3.2 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	2.9 U	2.9 U	315 T	--	2.9 U	3.2 U	4.8 U	2.9 U	2.9 U	9.2 J	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 UT	--	1.5 U	1.7 U	2.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 UT	--	2 U	2.2 U	3.3 U	2 U	2 U	2.1 U	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 UT	--	1.6 U	1.8 U	2.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 UT	--	3.2 U	3.6 U	5.2 U	3.2 U	3.2 U	3.4 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 UT	--	3.7 U	4.1 U	6.1 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 UT	--	2.5 U	2.8 U	4.1 U	2.5 U	2.5 U	2.6 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 UT	--	1.6 U	1.8 U	2.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 UT	--	1.9 U	2.1 U	3.1 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 UT	--	1.4 U	1.6 U	2.3 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 UT	--	1.8 U	2 U	3 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U
Aniline	ug/kg	1.5 U	1.5 U	--	--	1.5 U	1.7 U	2.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 UT	--	1.1 U	1.3 U	1.8 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U
Benzoic acid	ug/kg	96 U	96 U	96 UT	--	96 U	120 J	160 U	96 U	96 U	250	96 U	96 U
Benzyl alcohol	ug/kg	2.1 U	2.4 J	2.1 UT	--	2.1 U	16	86	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 UT	--	1.5 U	1.7 U	2.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 UT	--	1.9 U	2.1 U	3.1 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 UT	--	2.6 U	2.9 U	4.3 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Carbazole	ug/kg	1.5 J	1.3 U	14 T	--	1.3 U	6.2 J	6.7 J	16	1.3 U	3.4 J	16	2.1 J
Dibenzofuran	ug/kg	0.92 J	0.59 U	10.5 T	--	1.2 J	5.3	77	3.8	0.59 U	0.98 J	5.4	0.64 J
Hexachlorobenzene	ug/kg	0.12 U	0.12 U	0.21 UT	--	0.12 U	0.14 U	0.2 U	0.17 J	0.24	0.63 U	0.47	0.12 U
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.065 UT	--	0.065 U	0.072 U	0.11 U	0.065 U	0.065 U	0.34 U	0.065 U	0.065 U
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 UT	--	29 U	32 U	48 U	29 U	29 U	30 U	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 UT	--	0.079 U	0.087 U	0.13 U	0.079 U	0.079 U	0.41 U	0.079 U	0.079 U
Isophorone	ug/kg	1 U	1 U	1 UT	--	1 U	1.1 U	1.7 U	1 U	1 U	1.1 U	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 UT	--	2.2 U	2.5 U	3.6 U	2.2 U	2.2 U	2.3 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 UT	--	6.1 U	6.7 U	10 U	6.1 U	6.1 U	6.4 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 UT	--	1.6 U	1.8 U	2.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 UT	--	2.4 U	2.7 U	3.9 U	2.4 U	2.4 U	2.5 U	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G051	DPSC-G052	DPSC-G053	DPSC-G054	DPSC-G055	DPSC-G056	DPSC-G057	DPSC-G058	DPSC-G059	DPSC-G060	DPSC-G061	DPSC-G062
		12.8 East 0 - 19	12.8 East 0 - 24	12.7 East 0 - 22	12.7 East 0 - 14	12.6 East 0 - 16	12.6 East 0 - 18	12.5 East 0 - 15	12.5 East 0 - 17	12.4 East 0 - 10	12.3 East 0 - 8	12.3 East 0 - 10	12.3 East 0 - 16
<b>PCB Aroclors</b>													
Aroclor 1016	ug/kg	1 U	1 U	1 U	1 U	1 U	4.3 U	6.2 U	1 U	1 U	1.5 U	1.1 U	1 U
Aroclor 1221	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	3.4 U	1 U	1 U	1.1 U	1.1 U	1 U
Aroclor 1232	ug/kg	1 U	1 U	1 U	1 U	1 U	5 U	3 U	1 U	1 U	3 U	1.1 U	1 U
Aroclor 1242	ug/kg	1 U	1 U	1 U	110	19	3.3 U	4.2 U	9.5	1 U	2 U	1.1 U	2.8 U
Aroclor 1248	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	1.1 U	1 U
Aroclor 1254	ug/kg	1 U	8.2	3.4	120	30	10	6.6 J	31	22	3.6 U	1.1 U	14
Aroclor 1260	ug/kg	5.2	10	5.3	30	14	3.2	7.1	9.3	22	3.7 U	7.2 U	14
Aroclor 1262	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8	1.1 U	1.1 U	1 U
Total Aroclors	ug/kg	5.2 T	18.2 T	8.7 T	260 T	63 T	13.2 T	13.7 T	49.8 T	48.8 T	3.7 UT	7.2 UT	28 T
<b>Butyltins</b>													
Butyltin ion	ug/kg	3.2	3.5 J	1.6 J	0.89 J	0.48 J	0.34 J	0.43 J	0.52 J	1.5 J	4.5	0.064 U	0.33 J
Dibutyltin ion	ug/kg	2.5	2.9 J	1.7 J	5.1	1.2 J	0.69 J	1.4 J	1 J	1.1 J	3	0.78 J	0.52 J
Tetrabutyltin	ug/kg	0.13 U	0.14 U	0.13 U	0.078 U	0.097 U	0.079 U	0.093 U	0.12 U	0.12 U	0.16 U	0.15 U	0.11 U
Tributyltin ion	ug/kg	0.79 J	0.75 J	0.11 U	0.69 J	5.7	0.67 J	0.71 J	0.089 U	4.2	0.13 U	0.12 U	0.081 U
Total Butyltins	ug/kg	6.49 T	7.15 T	3.3 T	6.68 T	7.38 T	1.7 T	2.54 T	1.52 T	6.8 T	7.5 T	0.78 T	0.85 T
<b>Conventionals</b>													
Total organic carbon	percent	1.4	1.64	1.23	0.67	0.67	1.74	0.63	2.8	1.43	1.96 T	1.55	0.65
Total solids	percent	54.5 T	51.1	53.1	88.3	72.4	88	74.8	62.9	58.7	45.5 T	47.4	68.9
<b>Dioxin/Furan Homologs</b>													
Heptachlorodibenzofuran homologs	pg/g	--	24.2	--	81.2	--	94.1	179	--	--	34.6	--	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	--	70	--	134	--	309	344	--	--	76.9	--	--
Hexachlorodibenzofuran homologs	pg/g	--	14	--	48.2	--	47.3	97.8	--	--	15.4	--	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	--	11.1	--	19.6	--	30.7	51.6	--	--	14.6	--	--
Octachlorodibenzofuran	pg/g	--	23.2	--	112	--	93.4	180	--	--	46.6	--	--
Octachlorodibenzo-p-dioxin	pg/g	--	312	--	686	--	1880	1780	--	--	381	--	--
Pentachlorodibenzofuran homologs	pg/g	--	5.91 J	--	49.7	--	17	48.2	--	--	7.55 J	--	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	--	1.42 J	--	4.28	--	2.51 J	7.64 J	--	--	0.462 J	--	--
Tetrachlorodibenzofuran homologs	pg/g	--	2.1	--	23.4	--	4.45	11.7	--	--	3.7	--	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	--	0.78 J	--	2.09	--	0.399 J	3.6 J	--	--	4.23	--	--
Total PCDD/F	pg/g	--	465 T	--	1161 T	--	2479 T	2704 T	--	--	585 T	--	--
<b>Dioxins/Furans</b>													
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	--	7.05 J	--	20.2	--	23.9	52.6	--	--	10	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	--	37.7	--	75.6	--	178	201	--	--	39.9	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	--	0.474 J	--	1.6 J	--	1.7 J	4.01 J	--	--	0.728 J	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	--	0.926 J	--	3.03 J	--	2.06 J	8.31 J	--	--	0.952 J	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	0.468 J	--	0.999 J	--	1.18 J	3.35 J	--	--	0.655 J	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	--	0.439 J	--	1.52 J	--	1.14 J	3.34 J	--	--	0.431 J	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	2.13 J	--	3.53 J	--	8.51	11 J	--	--	2.28 J	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	--	0.0318 U	--	0.0381 J	--	0.178 U	0.159 J	--	--	0.166 U	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	--	1.09 J	--	2.2 J	--	2.74 J	6.5 J	--	--	1.41 J	--	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	--	0.149 J	--	0.484 J	--	0.43 J	0.865 J	--	--	0.173 J	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	--	0.285 J	--	0.678 J	--	0.644 J	2.02 J	--	--	0.462 J	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	--	0.653 J	--	2.46 J	--	1.93 J	4.35 J	--	--	0.753 J	--	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	--	0.284 J	--	1.2 J	--	0.566 J	1.74 J	--	--	0.28 J	--	--
2,3,7,8-Tetrachlorodibenzofuran	pg/g	--	0.204 U	--	0.549 J	--	0.401 J	0.943 J	--	--	0.494 U	--	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G051	DPSC-G052	DPSC-G053	DPSC-G054	DPSC-G055	DPSC-G056	DPSC-G057	DPSC-G058	DPSC-G059	DPSC-G060	DPSC-G061	DPSC-G062
		12.8 East 0 - 19	12.8 East 0 - 24	12.7 East 0 - 22	12.7 East 0 - 14	12.6 East 0 - 16	12.6 East 0 - 18	12.5 East 0 - 15	12.5 East 0 - 17	12.4 East 0 - 10	12.3 East 0 - 8	12.3 East 0 - 10	12.3 East 0 - 16
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	--	0.0196 U	--	0.26 J	--	0.168 J	0.427 J	--	--	0.0723 U	--	--
Dioxin/furan TCDD toxicity equivalent	pg/g	--	1.5 T	--	3.96 T	--	5.42 T	9.95 T	--	--	1.83 T	--	--
<b>Grainsize</b>													
Medium gravel	percent	0	0.15	0.54	33.1	31.05 T	42.1	50	53.1	41	0.36	0.8225 T	18.9
Fine gravel	percent	0.45	0.13	0.11	10.4	20.5 T	7.14	0.94	1.92	4.99	1.34	0.6425 T	0.58
Very coarse sand	percent	1.04	0.89	0.87	23.2	9.09 T	9.88	5.2	1.69	4.83	1.21	0.7375 T	6
Coarse sand	percent	0.98	1.18	0.71	20.7	10.0525 T	19.5	24.8	5.73	8.28	2.05	1.89 T	6.92
Medium sand	percent	2.6	2.48	1.99	10.2	13.525 T	16.4	16.9	13.5	12.9	4.5	6.425 T	11.9
Fine sand	percent	24	23	24.9	2.05	14.25 T	4.78	4.67	21.3	16.1	23.7	32.4 T	22.9
Very fine sand	percent	41.9	39.9	40.5	0.36	5.1425 T	4.87	1.05	7.63	6.94	30	26.275 T	24
Coarse silt	percent	18.6	18.8	17.1	0.1	1.3925 T	0.25	0.15	1.39	3.8	22.4	15.725 T	5.7
Medium silt	percent	6.65	7.28	6.3	0.18	0.9575 T	0.16	0.32	0.92	3.8	5.46	5.05 T	2.67
Fine silt	percent	3.48	4.09	3.68	0.19	0.76 T	0.1	0.12	0.49	2.76	3.59	3.2775 T	1.41
Very fine silt	percent	2.79	3.07	2.83	0.1	0.6625 T	0.18	0.31	0.52	2.34	3.18	2.9625 T	1.07
8-9 Phi clay	percent	0.99	2.66	2.09	0.08	0.52 T	0.09	0.13	0.38	1.54	0.8	0.665 T	0.9
>9 Phi clay	percent	2.97	2.72	2.43	0.13	0.5125 T	0.04	0.18	0.49	2.91	2.87	2.7875 T	1.61
<b>Metals</b>													
Aluminum	mg/kg	24050 JT	21200 J	26100 J	7520 J	12400 J	6170 J	7490 J	15100 J	20100 J	21800 JT	26700 J	12500 J
Antimony	mg/kg	0.21 T	0.17	0.26	1.27	0.31	0.53	0.31	0.36	0.8	0.175 T	0.16	0.21
Arsenic	mg/kg	2.89 T	2.62	2.88	2.17	3.53	2.28	1.66	2.96	3.96	3.18 T	2.99	3.05
Cadmium	mg/kg	0.194 T	0.253	0.251	0.563	0.918	0.444	0.142	0.348	1.7	0.213 T	0.143	0.231
Chromium	mg/kg	20.3 T	18.6	21.9	19.3	29.2	12.6	11.8	16	23	29.9 JT	25.7 J	17.9
Copper	mg/kg	24.35 JT	26.1 J	26 J	175 J	32.9 J	36.7 J	16.4 J	31.4 J	46.9	40.7 JT	29.9 J	26.6 J
Lead	mg/kg	15.75 T	23.6	23.6	103	306	122	63.6	41.5	96.3	47 JT	23.2 J	66.1
Mercury	mg/kg	0.04	0.048	0.036	0.071	0.045	0.097	0.154	0.063	0.327	0.052 T	0.039	0.053
Nickel	mg/kg	19.75 T	18.8	20.4	15.9	15.9	12.4	9.77	17.8	18.4 J	25.35 T	24.1	19.5
Selenium	mg/kg	0.125 T	0.12	0.17	0.05	0.06	0.06	0.03	0.1	0.06	0.175 T	0.15	0.06
Silver	mg/kg	0.1255 T	0.174	0.116	0.368	0.13	0.435	0.765	0.194	0.789	0.695 JT	0.474 J	0.137
Zinc	mg/kg	72.05 JT	78.2 J	75.4 J	106 J	324 J	110 J	43.3 J	92.7 J	130	103 T	82.6	90.5 J
<b>PAHs</b>													
C1-Chrysene	ug/kg	15	24	11	140	44	190	61	77	99	48	19	36
C1-Dibenzothiophene	ug/kg	2.5	6.5	2.7	58	44	9.2	3.8	16	190	5.6	1.8 J	25
C1-Fluoranthene/pyrene	ug/kg	13	23	12	190	32	230	49	71	180	64	19	49
C1-Fluorene	ug/kg	1.1 J	2.7	1 J	23	10	18	3	7.9	70	3	2.7	9.7
C1-Phenanthrene/anthracene	ug/kg	7.4	19	6.5	260	30	210	34	67	240	35	15	51
C2-Chrysene	ug/kg	12	20	11	140	72	150	71	98	96	41	18	62
C2-Dibenzothiophene	ug/kg	3.2	9.7	3.1	65	28	49	11	22	110	13	3.9	21
C2-Fluoranthene/pyrene	ug/kg	13	20	9.8	140	44	130	43	88	110	43	27	40
C2-Fluorene	ug/kg	2.9	6.1	3.5	52	32	18	6.6	15	190	13	4.5	21
C2-Naphthalene	ug/kg	2.5	8.5	3.1	47	26	16	3.4	19	300	9.2	6.8	28
C2-Phenanthrene/anthracene	ug/kg	14	28	9.4	200	62	150	37	110	320	45	14	66
C3-Chrysene	ug/kg	12	21	12	130	76	120	73	86	83	49	15	68
C3-Dibenzothiophene	ug/kg	0.21 U	8.9	3.7	84	36	52	17	25	110	14	4.7	20
C3-Fluoranthene/pyrene	ug/kg	8.7	16	8.6	110	51	88	36	77	110	31	15	35
C3-Fluorene	ug/kg	3.9	12	4.4	90	54	28	12	26	210	20	6.6	33
C3-Naphthalene	ug/kg	3.2	8.6	3.2	96	62	20	3.9	13	460	10	4.6	25
C3-Phenanthrene/anthracene	ug/kg	8.2	18	8.4	170	77	100	42	120	360	32	14	70

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.



**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G051	DPSC-G052	DPSC-G053	DPSC-G054	DPSC-G055	DPSC-G056	DPSC-G057	DPSC-G058	DPSC-G059	DPSC-G060	DPSC-G061	DPSC-G062
		12.8 East 0 - 19	12.8 East 0 - 24	12.7 East 0 - 22	12.7 East 0 - 14	12.6 East 0 - 16	12.6 East 0 - 18	12.5 East 0 - 15	12.5 East 0 - 17	12.4 East 0 - 10	12.3 East 0 - 8	12.3 East 0 - 10	12.3 East 0 - 16
C4-Chrysene	ug/kg	4.4	12	4.9	68	38	58	38	42	46	0.25 U	0.25 U	36
C4-Naphthalene	ug/kg	3.9	11	3.8	87	65	16	6.2	21	540	17	5.7	31
C4-Phenanthrene/anthracene	ug/kg	4.9	8.7	5.2	83	42	65	24	96	220	19	6.9	33
1-Methylnaphthalene	ug/kg	0.78 J	1.8 J	0.82 J	8.2	3.5	7.5	1.4 J	5.7	37	4	4.9	6.8
2-Methylnaphthalene	ug/kg	1.3 J	2.9	1.4 J	5.5	6.4	7.9	2	8.5	77	6.7	6.6	13
Acenaphthene	ug/kg	1.5 J	0.76 J	0.8 J	25	2.2	10	4.6	3.6	24	3.9	11	9.7
Acenaphthylene	ug/kg	0.82 J	2 J	1.2 J	26	2.7	12	3.5	6.4	16	2.8 J	2.3 J	6.7
Anthracene	ug/kg	2.8	3	2.8	33	4.4	87	15	18	39	7.9	11	15
Benzo(a)anthracene	ug/kg	9	13	7.4	73	15	200	49	55	70	39	14	23
Benzo(a)pyrene	ug/kg	9.4	16	9.1	260	19	170	47	55	75	39	13	22
Benzo(b)fluoranthene	ug/kg	13	22	15	470	25	210	69	77	98	48	20	30
Benzo(e)pyrene	ug/kg	8.5	16	9.2	320	19	120	43	45	63	32	13	20
Benzo(g,h,i)perylene	ug/kg	9.2	19	11	390	21	120	42	46	72	31	15	20
Benzo(k)fluoranthene	ug/kg	4.5	7.3	5.1	150	7.4	71	23	26	28	19	7.9	9.6
Chrysene	ug/kg	12	21	14	460	18	220	62	64	100	42	13	27
Dibenzo(a,h)anthracene	ug/kg	1.7 J	2.7	1.7 J	50	3.5	34	9.5	10	13	6.9	3.1	4.4
Dibenzothiophene	ug/kg	0.65 J	1.5 J	0.64 J	68	3.5	26	3.3	5.7	20	1.7 J	2.7	5.5
Fluoranthene	ug/kg	19	26	20	1000	48	450	110	130	250	71	40	84
Fluorene	ug/kg	1.6 J	1.4 J	1.6 J	13	4	20	4.5	6	37	4.2	11	12
Indeno(1,2,3-cd)pyrene	ug/kg	7.9	16	9.1	370	17	130	44	49	66	29	14	19
Naphthalene	ug/kg	6.3	4.1	4	8.4	11	9.6	9.4	12	58	350	99	38
Perylene	ug/kg	6.4	9.2	6.8	43	17	53	16	17	37	21	12	33
Phenanthrene	ug/kg	11	16	9.7	730	29	350	60	80	250	29	47	69
Pyrene	ug/kg	20	32	21	1200	50	410	97	120	310	66	38	83
Total C1-PAHs	ug/kg	39 T	75.2 T	33.2 T	671 T	160 T	657.2 T	150.8 T	238.9 T	779 T	155.6 T	57.5 T	170.7 T
Total C2-PAHs	ug/kg	47.6 T	92.3 T	39.9 T	644 T	264 T	513 T	172 T	352 T	1126 T	164.2 T	74.2 T	238 T
Total C3-PAHs	ug/kg	36 T	84.5 T	40.3 T	680 T	356 T	408 T	183.9 T	347 T	1333 T	156 T	59.9 T	251 T
Total C4-PAHs	ug/kg	13.2 T	31.7 T	13.9 T	238 T	145 T	139 T	68.2 T	159 T	806 T	36 T	12.6 T	100 T
Total HPAHs	ug/kg	106 T	175 T	113 T	4423 T	224 T	2015 T	553 T	632 T	1082 T	391 T	178 T	322 T
Total LPAHs	ug/kg	25.3 T	30.2 T	21.5 T	841 T	59.7 T	497 T	99 T	135 T	501 T	405 T	188 T	163 T
Total PAHs	ug/kg	131 T	205 T	135 T	5264 T	284 T	2512 T	652 T	767 T	1583 T	795 T	366 T	485 T
<b>Pesticides</b>													
2,4'-DDD	ug/kg	0.3 U	0.82 J	0.28 U	3.4 U	4 J	1.5 J	0.49 U	0.97 U	2.2 J	0.24 U	0.35 U	1.9
2,4'-DDE	ug/kg	0.19 U	0.2 U	0.19 U	1.2 U	0.14 U	0.14 U	0.29 U	0.58 U	0.77 J	0.056 U	0.054 U	0.47 U
2,4'-DDT	ug/kg	0.24 J	0.61 J	0.27 J	6.8 J	2.2	0.88	0.62 U	2.3 J	1.2	0.42 U	0.23 U	1.6
4,4'-DDD	ug/kg	0.24	1	0.31	8.2	4.5	1.6	1.1	2.9	2.1	0.74	0.45	2.8
4,4'-DDE	ug/kg	0.42	0.87	0.52	1.6 U	2.6	1.6 J	1.2	2.7 J	7.5 J	0.94	0.9	1.6 J
4,4'-DDT	ug/kg	0.55 U	0.88	0.54	4.2	2.5 U	2.2	1.5 U	2.6	1.3 U	9.5	0.99	1.3
Total DDD	ug/kg	0.24 T	1.82 T	0.31 T	8.2 T	8.5 T	3.1 T	1.1 T	2.9 T	4.3 T	0.74 T	0.45 T	4.7 T
Total DDE	ug/kg	0.42 T	0.87 T	0.52 T	1.6 UT	2.6 T	1.6 T	1.2 T	2.7 T	8.27 T	0.94 T	0.9 T	1.6 T
Total DDT	ug/kg	0.24 T	1.49 T	0.81 T	11 T	2.2 T	3.08 T	1.5 UT	4.9 T	1.2 T	9.5 T	0.99 T	2.9 T
Total DDx	ug/kg	0.9 T	4.18 T	1.64 T	19.2 T	13.3 T	7.78 T	2.3 T	10.5 T	13.8 T	11.2 T	2.34 T	9.2 T
Aldrin	ug/kg	0.096 U	0.19 U	0.19 U	0.51 U	0.14 U	0.071 U	0.28 U	0.6 J	0.27 J	0.22 U	0.22 U	0.52
alpha-Endosulfan	ug/kg	0.07 U	0.16 U	0.028 U	0.28 U	0.39 J	0.49	0.21 U	0.35	0.025 U	0.027 U	0.027 U	0.093 U
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.078 J	0.083 J	0.047 U	0.047 U	0.047 U	0.047 U	0.099 U	0.064 U	0.056 J	0.047 U
beta-Endosulfan	ug/kg	0.051 U	0.13 U	0.077 U	0.22 U	0.14 U	0.22 U	0.26 U	0.96 U	1	0.22 U	0.054 U	0.25 U
beta-Hexachlorocyclohexane	ug/kg	0.11 U	0.11 U	0.054 U	0.17 U	0.14 U	0.054 U	0.41 J	0.075 U	0.28 U	0.17 U	0.24 U	0.054 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G051	DPSC-G052	DPSC-G053	DPSC-G054	DPSC-G055	DPSC-G056	DPSC-G057	DPSC-G058	DPSC-G059	DPSC-G060	DPSC-G061	DPSC-G062
		12.8 East 0 - 19	12.8 East 0 - 24	12.7 East 0 - 22	12.7 East 0 - 14	12.6 East 0 - 16	12.6 East 0 - 18	12.5 East 0 - 15	12.5 East 0 - 17	12.4 East 0 - 10	12.3 East 0 - 8	12.3 East 0 - 10	12.3 East 0 - 16
cis-Chlordane	ug/kg	0.04 U	0.12 U	0.032 U	0.75 U	0.22 U	0.46	1.4 J	0.28 U	0.032 U	0.22 U	0.16 U	0.032 U
cis-Nonachlor	ug/kg	0.19 U	0.77 U	0.24 U	1.9 U	1.2 U	0.053 U	0.54	1.1 U	0.87 U	0.43 U	0.28 U	1.2 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.037 U	0.037 U	0.14 U	0.037 U	0.13 U	0.18 U	0.037 U	0.04 U	0.039 U	0.037 U
Dieldrin	ug/kg	0.036 U	0.091 U	0.036 U	0.18 U	0.26 U	0.45	0.36 U	6.7	0.21 U	0.12 J	0.16 J	1.1
Endosulfan sulfate	ug/kg	0.19 U	0.2 U	0.19 U	0.24 U	0.14 U	0.24 U	0.33 J	0.26 U	0.52 U	0.22 U	0.22 U	0.15 U
Endrin	ug/kg	0.046 U	0.046 U	0.046 U	0.16 U	0.36	0.046 U	0.76 U	0.11 U	0.12 U	0.05 U	0.049 U	0.046 U
Endrin aldehyde	ug/kg	0.086 U	0.047 U	0.069 U	0.17 U	0.27 U	0.12 U	0.2 U	0.19 U	0.047 U	0.051 U	0.22 U	0.26 U
Endrin ketone	ug/kg	0.2 U	0.2 U	0.042 U	0.44 U	0.19 U	0.2 J	0.51 J	0.16 U	0.5 U	0.22 U	0.22 U	0.22 U
gamma-Hexachlorocyclohexane	ug/kg	0.043 U	0.2 U	0.043 U	1.2 J	0.14 U	0.043 U	1.7 U	0.17 U	0.2 U	0.28 U	0.22 U	0.15 U
Heptachlor	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.076 U	0.074 U	0.07 U
Heptachlor epoxide	ug/kg	0.19 U	0.2 U	0.19 U	3.6 U	0.5 U	0.33 J	0.22 J	0.32 U	0.2 U	0.22 U	0.22 U	0.19 U
Methoxychlor	ug/kg	0.18 U	0.27 U	0.21 U	0.4 U	0.24 U	0.12 U	0.42 U	0.054 U	0.58 J	0.32 U	0.53 U	0.32 U
Mirex	ug/kg	0.049 U	0.049 U	0.049 U	0.13	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.058 U	0.052 U	0.049 U
Oxychlordane	ug/kg	0.054 U	0.054 U	0.054 U	0.25 U	0.17 U	0.054 U	0.36 U	0.19 U	0.14 U	0.14 U	0.22 U	0.21 U
Total Chlordanes	ug/kg	0.29 T	0.6 T	0.26 T	6 T	1.8 T	1.32 T	3.38 T	1.9 T	0.4 T	0.55 T	0.35 T	0.9 T
Total Endosulfans	ug/kg	0.19 UT	0.2 UT	0.19 UT	0.28 UT	0.39 T	0.49 T	0.33 T	0.35 T	1 T	0.22 UT	0.22 UT	0.25 UT
Toxaphene	ug/kg	14 U	23 U	11 U	54 U	26 U	9.1 U	19 U	41 U	21 U	18 U	22 U	24 U
trans-Chlordane	ug/kg	0.29	0.6	0.26	6	1.8	0.86	1.1 J	1.9 J	0.4 J	0.31	0.18 J	0.9
trans-Nonachlor	ug/kg	0.19 U	0.099 U	0.036 U	0.62 U	0.24 U	0.34 U	0.34	0.33 U	0.21 U	0.24 J	0.17 J	0.086 U
<b>Petroleum</b>													
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	31 J	64 J	29 J	145 JT	75 J	48 J	53 J	49 J	475 JT	57 J	32 J	42 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	170 J	300 J	150 J	610 JT	270 J	340 J	360 J	280 J	1200 JT	300 J	180 J	140 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	201 T	364 T	179 T	755 T	345 T	388 T	413 T	329 T	1675 T	357 T	212 T	182 T
<b>Phenols</b>													
2,3,4,5-Tetrachlorophenol	ug/kg	5.4 U	5.8 U	5.5 U	3.4 U	4.1 U	3.4 U	20 U	4.6 U	5.2 U	6.6 U	6.4 U	4.2 U
2,3,5,6-Tetrachlorophenol	ug/kg	6.7 U	7.1 U	6.8 U	4.2 U	5.1 U	4.2 U	25 U	5.7 U	6.3 U	8.1 U	7.8 U	5.2 U
2,4,5-Trichlorophenol	ug/kg	4.7 U	5 U	4.8 U	2.9 U	3.6 U	3 U	18 U	4 U	4.5 U	5.7 U	5.5 U	3.7 U
2,4,6-Trichlorophenol	ug/kg	4.9 U	5.2 U	5 U	3.1 U	3.7 U	3.1 U	18 U	4.2 U	4.6 U	6 U	5.7 U	3.8 U
2,4-Dichlorophenol	ug/kg	1 U	1 U	1 U	5 U	2 U	1 U	2 U	5 U	1 U	1.1 U	1.1 U	1 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	5.5 U	--	--	--	6.1 U	5.8 U	--
2,4-Dinitrophenol	ug/kg	17 U	17 U	17 U	85 U	34 U	17 U	34 U	85 U	17 U	19 U	18 U	17 U
2-Chlorophenol	ug/kg	2 U	2 U	2 U	10 U	4 U	2 U	4 U	10 U	2 U	2.2 U	2.2 U	2 U
2-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 U	7.5 U	3 U	1.5 U	3 U	7.5 U	1.5 U	1.7 U	1.6 U	1.5 U
2-Nitrophenol	ug/kg	1.5 U	1.5 U	1.5 U	7.5 U	3 U	1.5 U	3 U	7.5 U	1.5 U	1.7 U	1.6 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	1.4 U	7 U	2.8 U	1.4 U	2.8 U	7 U	1.4 U	1.6 U	1.5 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	1.4 U	7 U	2.8 U	1.4 U	2.8 U	7 U	1.4 U	1.6 U	1.5 U	1.4 U
4-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 U	7.5 U	25	1.5 U	6.3 J	7.5 U	56	12	18	16
4-Nitrophenol	ug/kg	18 U	18 U	18 U	90 U	36 U	18 U	36 U	90 U	18 U	20 U	19 U	18 U
Pentachlorophenol	ug/kg	57	110	6.5 U	33	4.8 U	4 U	890	35 J	6 U	7.7 U	7.4 U	4.9 U
Phenol	ug/kg	2 U	34	2 U	10 U	4 U	2 U	4 U	27 J	2 U	2.2 U	2.2 U	4.4 U
<b>Phthalates</b>													
Bis(2-ethylhexyl) phthalate	ug/kg	150	460	130	490	290	260	590	460	160	790	240	35
Butylbenzyl phthalate	ug/kg	3.2 U	14	16	37	6.4 U	3.2 U	25	16 U	3.2 U	22	20	3.2 U
Dibutyl phthalate	ug/kg	8.8 J	13	9.8	40 U	16 U	8.7 J	16 U	46	26	15	16	12
Diethyl phthalate	ug/kg	2.6 J	2.2 J	2.2 J	6.5 U	2.6 U	3.8 J	2.6 U	6.5 U	1.3 U	5.6 U	5 U	3.7 J
Dimethyl phthalate	ug/kg	10	1 U	5.5 J	170	2 U	1 U	2 U	5 U	1 U	2.5 J	3.6 J	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 U	8.5 U	3.4 U	1.7 U	3.4 U	8.5 U	1.7 U	14	12	1.7 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G051	DPSC-G052	DPSC-G053	DPSC-G054	DPSC-G055	DPSC-G056	DPSC-G057	DPSC-G058	DPSC-G059	DPSC-G060	DPSC-G061	DPSC-G062
		12.8 East 0 - 19	12.8 East 0 - 24	12.7 East 0 - 22	12.7 East 0 - 14	12.6 East 0 - 16	12.6 East 0 - 18	12.5 East 0 - 15	12.5 East 0 - 17	12.4 East 0 - 10	12.3 East 0 - 8	12.3 East 0 - 10	12.3 East 0 - 16
<b>SVOCs</b>													
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 U	13 U	5.2 U	2.6 U	5.2 U	13 U	2.6 U	2.9 U	2.8 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	15 U	5.8 U	2.9 U	5.8 U	15 U	2.9 U	3.2 U	3.1 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 U	15 U	6 U	3 U	6 U	15 U	3 U	3.3 U	3.2 U	3 U
1,4-Dichlorobenzene	ug/kg	2.9 U	3 J	2.9 U	15 U	9.2 J	13	24	23 J	6.7 J	3.2 U	3.7 J	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 U	7.5 U	3 U	1.5 U	3 U	7.5 U	1.5 U	1.7 U	1.6 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 U	10 U	4 U	2 U	4 U	10 U	2 U	2.2 U	2.2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 U	8 U	3.2 U	1.6 U	3.2 U	8 U	1.6 U	1.8 U	1.7 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 U	16 U	6.4 U	3.2 U	6.4 U	16 U	3.2 U	3.5 U	3.4 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	5.1 J	3.7 U	19 U	7.4 U	3.7 U	7.4 U	19 U	3.7 U	4.1 U	3.9 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 U	13 U	5 U	2.5 U	5 U	13 U	2.5 U	2.8 U	2.7 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 U	8 U	3.2 U	1.6 U	3.2 U	8 U	1.6 U	1.8 U	1.7 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 U	9.5 U	3.8 U	1.9 U	3.8 U	9.5 U	1.9 U	2.1 U	2.1 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 U	7 U	2.8 U	1.4 U	2.8 U	7 U	1.4 U	1.6 U	1.5 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 U	9 U	3.6 U	1.8 U	3.6 U	9 U	1.8 U	2 U	1.9 U	1.8 U
Aniline	ug/kg	1.5 U	1.5 U	1.5 U	7.5 U	3 U	1.5 U	3 U	7.5 U	1.5 U	29	1.6 U	1.5 U
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 U	5.5 U	2.2 U	1.1 U	2.2 U	5.5 U	1.1 U	1.3 U	1.2 U	1.1 U
Benzoic acid	ug/kg	96 U	96 U	96 U	480 U	200 U	96 U	200 U	3400	96 U	110 U	110 U	96 U
Benzyl alcohol	ug/kg	33	170	2.1 U	120	4.2 U	2.1 U	4.2 U	19 J	2.1 U	1800	2.3 U	5.9 J
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 U	7.5 U	3 U	1.5 U	3 U	7.5 U	1.5 U	1.7 U	1.6 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 U	9.5 U	3.8 U	1.9 U	3.8 U	9.5 U	1.9 U	2.1 U	2.1 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 U	13 U	5.2 U	2.6 U	5.2 U	13 U	2.6 U	2.9 U	2.8 U	2.6 U
Carbazole	ug/kg	1.3 U	2.1 J	2 J	32 J	2.6 U	14	9.8 J	11 J	15	4 J	6.3 J	4.5 J
Dibenzofuran	ug/kg	1.2 J	0.71 J	1.3 J	3.5	1.7 J	6.6	2.8	3.2	15	4	11	8.5
Hexachlorobenzene	ug/kg	0.12 U	0.16 J	0.5	0.24 U	0.32	0.21	0.29	0.4	0.12 U	0.19 J	0.24	0.12 U
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.065 U	0.065 U	0.065 J	2.5 UT	0.084 U	0.065 U	0.16 U	0.071 U	0.069 U	0.065 U
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 U	150 U	58 U	29 U	58 U	150 U	29 U	32 U	31 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	3.1 UT	0.079 U	0.079 U	0.079 U	0.086 U	0.084 U	0.079 U
Isophorone	ug/kg	1 U	1 U	1 U	5 U	2 U	1 U	2 U	5 U	1 U	1.1 U	1.1 U	1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 U	11 U	4.4 U	2.2 U	4.4 U	11 U	2.2 U	2.5 U	2.4 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 U	31 U	13 U	6.1 U	13 U	31 U	6.1 U	6.7 U	6.5 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 U	8 U	3.2 U	1.6 U	3.2 U	8 U	1.6 U	1.8 U	1.7 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 U	12 U	4.8 U	2.4 U	4.8 U	12 U	2.4 U	2.7 U	2.6 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G063	DPSC-G064	DPSC-G065	DPSC-G066	DPSC-G067	DPSC-G068	DPSC-G069	DPSC-G070	DPSC-G071	DPSC-G072	DPSC-G073	DPSC-G074
		12.1 East 0 - 30	12.1 East 0 - 27	12.1 East 0 - 26	12 MidRv 0 - 23	12.1 MidRv 0 - 26	12.4 MidRv 0 - 20	13 MidRv 0 - 23	13.5 West 0 - 29	13.6 West 0 - 22	13.6 West 0 - 24	13.7 MidRv 0 - 26	13.7 West 0 - 23
<b>PCB Aroclors</b>													
Aroclor 1016	ug/kg	2.1 U	4.8 U	3.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1221	ug/kg	7.4 U	13 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1232	ug/kg	2.3 U	9.3 U	6.5 U	1.4 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1242	ug/kg	2.6 U	4.1 U	3.8 U	1 U	1 U	1 U	1 U	7.9 U	1 U	1 U	1 U	1 U
Aroclor 1248	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1254	ug/kg	4 U	5.7 U	14 U	1.2 U	1 U	1 U	1 U	40	1 U	1 U	2.9	1 U
Aroclor 1260	ug/kg	6.9	5.7	28	1 U	1 U	1 U	1 U	26	1 U	1 U	2.2	1 U
Aroclor 1262	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Aroclors	ug/kg	6.9 T	5.7 T	28 T	1.4 UT	1 UT	1 UT	1 UT	66 T	1 UT	1 UT	5.1 T	1 UT
<b>Butyltins</b>													
Butyltin ion	ug/kg	5.5	0.17 U	8	0.034 U	0.45 J	0.033 U	0.032 U	0.051 U	0.033 U	0.037 U	0.035 U	0.034 U
Dibutyltin ion	ug/kg	5.7 J	1.1 J	17	0.032 U	0.031 U	0.031 U	0.03 U	0.047 U	0.031 U	0.035 U	0.033 U	0.032 U
Tetrabutyltin	ug/kg	0.13 U	0.4 U	0.12 U	0.08 U	0.076 U	0.077 U	0.074 U	0.12 U	0.076 U	0.086 U	0.082 U	0.079 U
Tributyltin ion	ug/kg	0.93 J	1.4 U	1.1 J	0.064 U	0.061 U	0.062 U	0.06 U	0.094 U	0.061 U	0.069 U	0.066 U	0.064 U
Total Butyltins	ug/kg	12.1 T	1.1 T	26.1 T	0.08 UT	0.45 T	0.077 UT	0.074 UT	0.12 UT	0.076 UT	0.086 UT	0.082 UT	0.079 UT
<b>Conventionals</b>													
Total organic carbon	percent	1.18	0.65	1.04	0.19	0.258 T	0.8	0.128 T	1.48	0.2	0.39	0.36	0.26
Total solids	percent	55.9 T	89.3	62.2	87.8	93.1	91.6	94.2	59.1	91.9	79.7	84.3	87.3
<b>Dioxin/Furan Homologs</b>													
Heptachlorodibenzofuran homologs	pg/g	--	65	--	2.96 J	6.25	2.46 J	1.69 J	--	--	--	2.92 J	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	--	133	--	7.72	15.1	6.35	6.44	--	--	--	9.1	--
Hexachlorodibenzofuran homologs	pg/g	--	33.6	--	2.51 J	3.64 J	0.492 J	2.51 J	--	--	--	1.35 J	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	--	16	--	1.29 J	2.07 J	0.355 J	1.08 J	--	--	--	0.882 J	--
Octachlorodibenzofuran	pg/g	--	64.5	--	2.4 J	5.21 J	4.16 J	1.99 J	--	--	--	2.4 J	--
Octachlorodibenzo-p-dioxin	pg/g	--	706	--	32.3	62.8	45.4	24.4	--	--	--	57.6	--
Pentachlorodibenzofuran homologs	pg/g	--	20.9	--	3.18 J	1.91 J	0.0892 J	5.74	--	--	--	0.51 J	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	--	2.16 J	--	0.244 J	0.208 J	0.016 U	0.386 J	--	--	--	0.0318 U	--
Tetrachlorodibenzofuran homologs	pg/g	--	7.61	--	0.677 J	0.299 J	0.0266 U	1.61	--	--	--	0.0209 U	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	--	1.03 J	--	0.0766 J	0.016 U	0.0279 U	0.0979 U	--	--	--	0.0185 U	--
Total PCDD/F	pg/g	--	1050 T	--	53.4 T	97.5 T	59.3 T	45.9 T	--	--	--	74.8 T	--
<b>Dioxins/Furans</b>													
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	--	16.4	--	1.04 J	1.97 J	0.62 J	0.777 J	--	--	--	1.07 J	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	--	71.9	--	4.09 J	8.62	4.09 J	3.6 J	--	--	--	4.46 J	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	--	1.14 J	--	0.0239 U	0.133 J	0.0764 J	0.258 J	--	--	--	0.0521 U	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	--	1.85 J	--	0.161 J	0.218 J	0.0329 J	0.314 J	--	--	--	0.0721 J	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	0.81 J	--	0.0599 J	0.142 J	0.0449 J	0.377 J	--	--	--	0.0228 U	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	--	0.956 J	--	0.106 J	0.117 J	0.0195 U	0.467 J	--	--	--	0.109 J	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	3.23 J	--	0.285 J	0.588 J	0.109 J	0.381 J	--	--	--	0.192 J	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	--	0.0491 U	--	0.0184 U	0.0212 U	0.0192 U	0.272 J	--	--	--	0.0264 U	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	--	1.8 J	--	0.19 J	0.292 J	0.0217 U	0.43 J	--	--	--	0.0225 U	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	--	0.29 J	--	0.0952 J	0.0127 U	0.0129 U	0.412 J	--	--	--	0.0219 U	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	--	0.542 J	--	0.0367 J	0.0802 J	0.016 U	0.386 J	--	--	--	0.0318 U	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	--	1.48 J	--	0.192 J	0.183 J	0.0181 U	0.464 J	--	--	--	0.0271 U	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	--	0.53 J	--	0.125 J	0.0692 J	0.0116 U	0.538 J	--	--	--	0.0201 U	--
2,3,7,8-Tetrachlorodibenzofuran	pg/g	--	0.282 J	--	0.167 J	0.134 U	0.0266 U	0.258 U	--	--	--	0.0209 U	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G063	DPSC-G064	DPSC-G065	DPSC-G066	DPSC-G067	DPSC-G068	DPSC-G069	DPSC-G070	DPSC-G071	DPSC-G072	DPSC-G073	DPSC-G074
		12.1 East 0 - 30	12.1 East 0 - 27	12.1 East 0 - 26	12 MidRv 0 - 23	12.1 MidRv 0 - 26	12.4 MidRv 0 - 20	13 MidRv 0 - 23	13.5 West 0 - 29	13.6 West 0 - 22	13.6 West 0 - 24	13.7 MidRv 0 - 26	13.7 West 0 - 23
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	--	0.136 J	--	0.00918 U	0.016 U	0.0279 U	0.0979 U	--	--	--	0.0185 U	--
Dioxin/furan TCDD toxicity equivalent	pg/g	--	3.01 T	--	0.255 T	0.383 T	0.081 T	0.885 T	--	--	--	0.111 T	--
<b>Grainsize</b>													
Medium gravel	percent	0.51	13.4	0.06	34.325 T	60.1	75.7	67.8	30.4	61.7	45.5	41.6 T	47.9
Fine gravel	percent	1.31	27.9	0.5	11.8825 T	8.77	8.81	22.1	3.53	6.44	4.99	9.9375 T	7.92
Very coarse sand	percent	1	28.5	0.9	9.2675 T	6.48	1.27	4.39	6.71	5.01	5.46	5.08 T	4
Coarse sand	percent	1.22	19.3	2.32	33.2 T	7.92	6.78	3.08	8.62	13.7	20.2	15.1 T	14.3
Medium sand	percent	6.08	9.31	7.63	12.7425 T	10.4	10.8	2.26	16.6	9.69	22.2	23.825 T	22.8
Fine sand	percent	42.3	2.12	50.8	1.81 T	3.4	1.55	1.27	7.2	2.9	4	4.3825 T	4.16
Very fine sand	percent	30.4	0.24	30.7	0.1625 T	0.49	0.14	0.291	5.2	0.36	0.9	0.465 T	0.53
Coarse silt	percent	7.23	0.15	2.63	0.1675 T	0.27	0.07	0.15	9.15	0.23	0.87	0.5975 T	0.27
Medium silt	percent	5.19	0.07	1.25	0 T	0.22	0.1	0.03	5.75	0.19	0.97	0.4 T	0.31
Fine silt	percent	3.3	0.1	0.57	0.13 T	0.23	0	0.11	5.78	0.23	0.76	9.305 T	0.13
Very fine silt	percent	2.58	0.1	0.72	0.075 T	0.26	0.03	0.07	3.93	0.11	0.5	0.35 T	0.2
8-9 Phi clay	percent	1.5	0	0.59	0.0275 T	0.14	0.07	0	2.49	0.13	0.31	0.2175 T	0.19
>9 Phi clay	percent	1.84	0	0.55	0 T	0	0.03	0.11	5.04	0.09	0.2	0.25 T	0.06
<b>Metals</b>													
Aluminum	mg/kg	11700	6880	17050 T	7810	5570	9950 J	6830 J	21900 J	6600 J	12200 J	9840 J	8250 J
Antimony	mg/kg	0.1	0.19	0.17 T	0.11	0.11	0.08	0.15	0.1	0.04 U	0.07	0.92	0.08
Arsenic	mg/kg	2.47	1.62	2.32 T	2.57	2.27	2.2	2.16	2.97	1.75	2.61	2.12	2.28
Cadmium	mg/kg	0.244	0.54	0.275 T	0.065	0.071	0.055	0.045	0.227 J	0.03 J	0.057 J	0.052 J	0.048 J
Chromium	mg/kg	19	12.1	20.45 T	9.72	6.16	14.3	7.58	16.7	6.26	13.3	10.4	9.92
Copper	mg/kg	23.6	37	25.8 T	12.9	10.1	13	10.3	23.7	9.52	13.1	11.2	12.4
Lead	mg/kg	21.8 J	23.4 J	40.35 JT	6.16 J	14.8 J	4.97	3.67	15.7 J	2.93 J	6.03 J	6.56 J	5.74 J
Mercury	mg/kg	0.048	0.047	0.078	0.026 T	0.058	0.012	0.0105 T	0.19	0.01	0.017	0.013	0.018
Nickel	mg/kg	19.1	13.5	19.85 T	12	9.49	15.1	9.11 J	15.7	9.47	13.8	12.9	14
Selenium	mg/kg	0.08	0.05	0.055 T	0.03	0.02	0.02 U	0.02 U	0.11	0.03	0.05	0.03	0.02 U
Silver	mg/kg	0.397	1.01	0.479 T	0.172	0.176	0.022	0.087	0.255	0.022 U	0.021 U	0.036	0.023 U
Zinc	mg/kg	71.6 J	134 J	84.2 JT	40.4 J	29.9 J	36.8	31	111 J	32 J	46.8 J	46.5 J	45.2 J
<b>PAHs</b>													
C1-Chrysene	ug/kg	83	31	30	20	40	0.25 U	0.25 U	24	0.25 U	1.1 J	0.45 J	2.4 J
C1-Dibenzothiophene	ug/kg	16	4.9	3	0.21 U	0.21 U	0.21 U	0.21 U	20	0.21 U	0.21 U	0.21 U	0.21 U
C1-Fluoranthene/pyrene	ug/kg	73	41	24	35	65	0.61 U	0.61 U	34	0.61 U	2.1 J	1.4 J	2 J
C1-Fluorene	ug/kg	7.4	4.9	1.4 J	2.2 J	1.4 J	0.5 U	0.5 U	7.1	0.5 U	0.5 U	0.5 U	0.5 U
C1-Phenanthrene/anthracene	ug/kg	53	33	11	16	5.6	0.75 U	0.75 U	34	0.75 U	1.7 J	0.75 U	1.2 J
C2-Chrysene	ug/kg	110	25	25	8.7	52	0.25 U	0.25 U	24	0.25 U	1.7 J	0.25 U	6.1
C2-Dibenzothiophene	ug/kg	45	6.9	7.2	0.21 U	0.21 U	0.21 U	0.21 U	13	0.21 U	0.21 U	0.21 U	0.21 U
C2-Fluoranthene/pyrene	ug/kg	76	22	20	10	92	0.61 U	0.61 U	26	0.61 U	1.6 J	0.61 U	3.1
C2-Fluorene	ug/kg	20	6.1	4.4	1.4 J	4.5	0.5 U	0.5 U	16	0.5 U	0.69 J	0.5 U	0.5 J
C2-Naphthalene	ug/kg	8.8	14	2.6	2.8	2 J	0.37 U	0.37 U	53	0.37 U	2.9	0.79 J	0.94 J
C2-Phenanthrene/anthracene	ug/kg	85	28	23	6.8	14	0.75 U	0.75 U	47	0.75 U	2.1 J	0.78 J	1.3 J
C3-Chrysene	ug/kg	110	26	27	6.7	63	0.25 U	0.25 U	22	0.25 U	0.25 U	0.25 U	9.3
C3-Dibenzothiophene	ug/kg	75	9.2	9.6	0.21 U	0.21 U	0.21 U	0.21 U	11	0.21 U	0.21 U	0.21 U	0.21 U
C3-Fluoranthene/pyrene	ug/kg	65	17	17	5.3	62	0.61 U	0.61 U	21	0.61 U	0.61 U	0.61 U	0.61 U
C3-Fluorene	ug/kg	38	9.7	8.5	0.5 U	0.5 U	0.5 U	0.5 U	28	0.5 U	0.5 U	0.5 U	0.5 U
C3-Naphthalene	ug/kg	15	9.8	2.4 J	1.2 J	1.5 J	0.37 U	0.37 U	46	0.37 U	1.5 J	0.65 J	0.37 U
C3-Phenanthrene/anthracene	ug/kg	82	17	20	3.7	51	0.75 U	0.75 U	37	0.75 U	1.6 J	0.75 U	3.5

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G063	DPSC-G064	DPSC-G065	DPSC-G066	DPSC-G067	DPSC-G068	DPSC-G069	DPSC-G070	DPSC-G071	DPSC-G072	DPSC-G073	DPSC-G074
		12.1 East 0 - 30	12.1 East 0 - 27	12.1 East 0 - 26	12 MidRv 0 - 23	12.1 MidRv 0 - 26	12.4 MidRv 0 - 20	13 MidRv 0 - 23	13.5 West 0 - 29	13.6 West 0 - 22	13.6 West 0 - 24	13.7 MidRv 0 - 26	13.7 West 0 - 23
C4-Chrysene	ug/kg	50	8.4	10	0.25 U	34	0.25 U	0.25 U	13	0.25 U	0.25 U	0.25 U	0.25 U
C4-Naphthalene	ug/kg	26	8.7	4	0.48 J	1.9 J	0.37 U	0.37 U	44	0.37 U	1.6 J	0.37 U	0.37 U
C4-Phenanthrene/anthracene	ug/kg	44	9.7	12	1.4 J	77	0.75 U	0.75 U	19	0.75 U	0.75 U	0.75 U	2.9
1-Methylnaphthalene	ug/kg	3.7	11	0.98 J	1.8 J	0.81 J	0.31 U	0.31 U	7	0.31 U	1.4 J	0.31 U	1.2 J
2-Methylnaphthalene	ug/kg	4.5	16	2.1 J	2.6	2.3 J	0.39 U	0.39 U	13	0.39 U	2.7	0.41 J	2.2 J
Acenaphthene	ug/kg	4.1	26	1.1 J	11	0.93 J	0.23 U	0.23 U	3.1	0.23 U	0.46 J	0.23 U	0.27 J
Acenaphthylene	ug/kg	3.3	4	1.4 J	0.24 U	0.46 J	0.24 U	0.24 U	3.9	0.24 U	0.24 U	0.24 U	0.24 J
Anthracene	ug/kg	10	22	4.2	21	1 J	0.47 U	0.47 U	5.5	0.47 U	0.47 U	0.47 U	0.47 U
Benzo(a)anthracene	ug/kg	74	37	17	40	2.1 J	0.48 U	0.48 U	22	0.48 U	0.98 J	0.87 J	1.1 J
Benzo(a)pyrene	ug/kg	62	33	20	31	8.8	0.14 U	0.14 U	22	0.17 J	0.67 J	0.63 J	0.82 J
Benzo(b)fluoranthene	ug/kg	88	41	27	41	17	0.25 U	0.25 U	30	0.25 U	1 J	0.95 J	1 J
Benzo(e)pyrene	ug/kg	53	26	18	22	31	0.18 U	0.18 U	19	0.3 J	1.2 J	0.88 J	1.7 J
Benzo(g,h,i)perylene	ug/kg	50	28	22	18	39	0.64 U	0.64 U	17	0.64 U	0.79 J	0.89 J	0.97 J
Benzo(k)fluoranthene	ug/kg	32	19	9.5	15	3.9	0.15 U	0.15 U	10	0.16 J	0.38 J	0.41 J	0.4 J
Chrysene	ug/kg	78	41	22	37	21	0.25 U	0.25 U	25	0.25 J	0.86 J	0.83 J	1.1 J
Dibenzo(a,h)anthracene	ug/kg	14	5.8	4.4	5.3	3.3	0.28 U	0.28 U	4	0.28 U	0.28 U	0.28 U	0.3 J
Dibenzothiophene	ug/kg	4.4	5.2	0.98 J	2.6	0.74 J	0.21 U	0.21 U	1.7 J	0.21 U	0.21 U	0.21 U	0.21 U
Fluoranthene	ug/kg	150	95	36	66	5.8	0.61 U	0.61 U	48	0.62 J	2 J	1.6 J	1.6 J
Fluorene	ug/kg	5.7	22	1.4 J	10	1.1 J	0.5 U	0.5 U	4.9	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	ug/kg	50	27	20	22	16	0.16 U	0.16 U	16	0.22 J	0.66 J	0.67 J	0.74 J
Naphthalene	ug/kg	6.1	130	80	6.4	3	0.72 U	0.57 J	19	1 J	3.5	1.4 J	5.8
Perylene	ug/kg	22	14	8.9	8.8	5	0.86 J	0.32 U	25	0.67 J	2.4 J	1.3 J	2.4 J
Phenanthrene	ug/kg	53	96	16	55	4.3	0.75 U	0.75 U	31	0.75 U	2.8	0.95 J	1.1 J
Pyrene	ug/kg	120	91	36	57	21	0.37 U	0.41 U	55	0.6 J	2.2 J	2.4 J	2 J
Total C1-PAHs	ug/kg	232.4 T	114.8 T	69.4 T	73.2 T	112 T	0.75 UT	0.75 UT	119.1 T	0.75 UT	4.9 T	1.85 T	5.6 T
Total C2-PAHs	ug/kg	344.8 T	102 T	82.2 T	29.7 T	164.5 T	0.75 UT	0.75 UT	179 T	0.75 UT	8.99 T	1.57 T	11.94 T
Total C3-PAHs	ug/kg	385 T	88.7 T	84.5 T	16.9 T	177.5 T	0.75 UT	0.75 UT	165 T	0.75 UT	3.1 T	0.65 T	12.8 T
Total C4-PAHs	ug/kg	120 T	26.8 T	26 T	1.88 T	112.9 T	0.75 UT	0.75 UT	76 T	0.75 UT	1.6 T	0.75 UT	2.9 T
Total HPAHs	ug/kg	718 T	418 T	214 T	332 T	138 T	0.64 UT	0.64 UT	249 T	2.02 T	9.54 T	9.25 T	10 T
Total LPAHs	ug/kg	86.7 T	316 T	106 T	106 T	13.1 T	0.75 UT	0.57 T	80.4 T	1 T	9.46 T	2.76 T	9.61 T
Total PAHs	ug/kg	805 T	734 T	320 T	438T	151 T	0.75 UT	0.57 T	329 T	3.02 T	19 T	12 T	19.6 T
<b>Pesticides</b>													
2,4'-DDD	ug/kg	0.35 U	0.82 J	1.4	0.14 J	0.12 J	0.032 U	0.032 U	2 J	0.032 U	0.032 U	0.12 U	0.032 U
2,4'-DDE	ug/kg	0.2 U	0.22 U	0.32 U	0.16 U	0.14 U	0.03 U	0.03 U	0.38 U	0.03 U	0.03 U	0.12 U	0.03 U
2,4'-DDT	ug/kg	0.31 J	0.79	0.92 U	0.07 J	0.045 J	0.039 U	0.03 U	1.6	0.03 U	0.03 U	0.17	0.03 U
4,4'-DDD	ug/kg	0.5 U	0.62	0.47	0.15 J	0.19 J	0.047 U	0.047 U	1.3	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	ug/kg	0.79	0.69	0.88	0.11 J	0.097 J	0.034 U	0.052 U	4.1	0.034 U	0.095 J	0.14 J	0.047 J
4,4'-DDT	ug/kg	0.76 U	0.71 U	2.5	0.13 U	0.13 U	0.13 U	0.13 U	2.3	0.13 U	0.13 U	0.22	0.13 U
Total DDD	ug/kg	0.5 UT	1.44 T	1.87 T	0.29 T	0.31 T	0.047 UT	0.047 UT	3.3 T	0.047 UT	0.047 UT	0.12 UT	0.047 UT
Total DDE	ug/kg	0.79 T	0.69 T	0.88 T	0.11 T	0.097 T	0.034 UT	0.052 UT	4.1 T	0.034 UT	0.095 T	0.14 T	0.047 T
Total DDT	ug/kg	0.31 T	0.79 T	2.5 T	0.07 T	0.045 T	0.13 UT	0.13 UT	3.9 T	0.13 UT	0.13 UT	0.39 T	0.13 UT
Total DDx	ug/kg	1.1 T	2.92 T	5.25 T	0.47 T	0.452 T	0.13 UT	0.13 UT	11.3 T	0.13 UT	0.095 T	0.53 T	0.047 T
Aldrin	ug/kg	0.055 U	0.087 U	0.11 J	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
alpha-Endosulfan	ug/kg	0.13 U	0.38	0.36 J	0.025 U	0.025 U	0.025 U	0.025 U	0.033 U	0.025 U	0.025 U	0.025 U	0.025 U
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.17 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-Endosulfan	ug/kg	0.075 U	0.25 J	0.22 U	0.051 U	0.051 U	0.051 U	0.051 U	0.24 U	0.051 U	0.051 U	0.051 U	0.051 U
beta-Hexachlorocyclohexane	ug/kg	0.2 U	0.32 U	0.21 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G063	DPSC-G064	DPSC-G065	DPSC-G066	DPSC-G067	DPSC-G068	DPSC-G069	DPSC-G070	DPSC-G071	DPSC-G072	DPSC-G073	DPSC-G074
		12.1 East 0 - 30	12.1 East 0 - 27	12.1 East 0 - 26	12 MidRv 0 - 23	12.1 MidRv 0 - 26	12.4 MidRv 0 - 20	13 MidRv 0 - 23	13.5 West 0 - 29	13.6 West 0 - 22	13.6 West 0 - 24	13.7 MidRv 0 - 26	13.7 West 0 - 23
cis-Chlordane	ug/kg	4.8 U	0.32	0.094 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U
cis-Nonachlor	ug/kg	0.38 U	0.52 U	0.36 U	0.12 U	0.081 U	0.053 U	0.053 U	1.3 U	0.053 U	0.053 U	0.11 U	0.053 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.04 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.059 U	0.037 U	0.037 U	0.037 U	0.037 U
Dieldrin	ug/kg	0.1 U	0.28 J	0.2 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
Endosulfan sulfate	ug/kg	0.2 U	0.24 U	4.3 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
Endrin	ug/kg	0.046 U	0.2 U	0.051 J	0.046 U	0.046 U	0.046 U	0.046 U	0.18 U	0.046 U	0.046 U	0.046 U	0.046 U
Endrin aldehyde	ug/kg	0.25 U	0.15 U	0.2 U	0.047 U	0.047 U	0.047 U	0.047 U	0.17 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone	ug/kg	0.2 U	0.2 U	0.45 U	0.042 U	0.042 U	0.042 U	0.042 U	1.1 J	0.042 U	0.042 U	0.042 U	0.042 U
gamma-Hexachlorocyclohexane	ug/kg	0.043 U	0.059 J	0.2 U	0.043 U	0.043 U	0.043 U	0.043 U	0.17 U	0.043 U	0.043 U	0.043 U	0.043 U
Heptachlor	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Heptachlor epoxide	ug/kg	0.2 U	0.2 U	0.2 U	0.058 J	0.084 U	0.057 U	0.057 U	0.26 U	0.057 U	0.057 U	0.057 U	0.057 U
Methoxychlor	ug/kg	0.24 U	0.38 U	0.9 U	0.054 U	0.054 U	0.054 U	0.054 U	0.17 U	0.054 U	0.054 U	0.054 U	0.054 U
Mirex	ug/kg	0.049 U	0.049 U	0.23	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U
Oxychlordane	ug/kg	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.43 U	0.054 U	0.099 U	0.054 U	0.054 U	0.054 U	0.054 U
Total Chlordanes	ug/kg	0.24 T	1.24 T	0.36 UT	0.142 T	0.078 T	0.045 T	0.054 UT	0.55 T	0.054 UT	0.054 UT	0.11 T	0.054 UT
Total Endosulfans	ug/kg	0.2 UT	0.63 T	0.36 T	0.053 UT	0.053 UT	0.053 UT	0.053 UT	0.24 UT	0.053 UT	0.053 UT	0.053 UT	0.053 UT
Toxaphene	ug/kg	14 U	22 U	39 U	4.6 U	4.3 U	5.4 U	4.3 U	22 U	4.3 U	4.3 U	4.3 U	4.3 U
trans-Chlordane	ug/kg	0.24	0.71	0.53 U	0.1 J	0.078 J	0.035 U	0.035 U	0.55 J	0.035 U	0.035 U	0.11 J	0.035 U
trans-Nonachlor	ug/kg	0.1 U	0.21 J	0.2 U	0.042 J	0.036 U	0.045 J	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
<b>Petroleum</b>													
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	30 J	72 JT	47 J	3.7 J	33 J	1.4 U	1.3 U	120 J	1.4 U	3.7 J	3.9 J	2.8 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	200 J	435 JT	310 J	18 J	120 J	6.8 J	3.1 U	300 J	4.9 J	16 J	15 J	12 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	230 T	507 T	357 T	21.7 T	153 T	6.8 T	3.1 UT	420 T	4.9 T	19.7 T	18.9 T	14.8 T
<b>Phenols</b>													
2,3,4,5-Tetrachlorophenol	ug/kg	5.3 U	3.4 U	4.8 U	3.4 U	3.2 U	3.2 U	3.1 U	5.1 U	3.2 U	3.6 U	3.6 U	3.5 U
2,3,5,6-Tetrachlorophenol	ug/kg	6.6 U	4.1 U	6 U	4.2 U	4 U	4 U	3.9 U	6.2 U	3.9 U	4.4 U	4.4 U	4.3 U
2,4,5-Trichlorophenol	ug/kg	4.6 U	2.9 U	4.2 U	3 U	2.8 U	2.8 U	2.7 U	4.4 U	2.8 U	3.1 U	3.1 U	3 U
2,4,6-Trichlorophenol	ug/kg	4.8 U	3 U	4.4 U	3.1 U	2.9 U	2.9 U	2.8 U	4.6 U	2.9 U	3.2 U	3.2 U	3.1 U
2,4-Dichlorophenol	ug/kg	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	17 UJ	17 U	17 U	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U
2-Chlorophenol	ug/kg	2 UJ	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U
2-Methylphenol	ug/kg	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
2-Nitrophenol	ug/kg	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Methylphenol	ug/kg	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	17	1.5 U	1.5 U	1.5 U	1.5 U
4-Nitrophenol	ug/kg	18 UJ	18 U	18 U	18 U	18 U	18 U	18 UJ	18 U	18 U	18 U	18 U	18 U
Pentachlorophenol	ug/kg	6.2 U	3.9 U	5.6 U	4 U	3.8 U	3.8 U	3.7 U	5.9 U	3.7 U	4.1 U	4.2 U	4.1 U
Phenol	ug/kg	2 UJ	2 U	2 U	4.1 U	2 U	2 U	2 UJ	2 U	4.2 U	4.5 U	5.2 U	2 U
<b>Phthalates</b>													
Bis(2-ethylhexyl) phthalate	ug/kg	180	700	350	16 J	52	7 U	7 U	20 J	7.6 J	11 J	7 U	8.8 J
Butylbenzyl phthalate	ug/kg	3.2 U	3.2 U	40	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Dibutyl phthalate	ug/kg	7.9 U	9.9 J	9.9	7.9 J	13	7.9 U	7.9 U	8.4 J	7.9 U	7.9 U	7.9 U	7.9 U
Diethyl phthalate	ug/kg	1.3 U	1.3 U	1.8 J	1.3 U	1.3 U	1.3 U	1.3 U	2.7 J	1.3 U	1.3 U	1.3 U	1.3 U
Dimethyl phthalate	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	27	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

Table 6-2a  
Analytical Results of Surface Sediment Samples - DPSC Data

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G063	DPSC-G064	DPSC-G065	DPSC-G066	DPSC-G067	DPSC-G068	DPSC-G069	DPSC-G070	DPSC-G071	DPSC-G072	DPSC-G073	DPSC-G074
		12.1 East 0 - 30	12.1 East 0 - 27	12.1 East 0 - 26	12 MidRv 0 - 23	12.1 MidRv 0 - 26	12.4 MidRv 0 - 20	13 MidRv 0 - 23	13.5 West 0 - 29	13.6 West 0 - 22	13.6 West 0 - 24	13.7 MidRv 0 - 26	13.7 West 0 - 23
<b>SVOCs</b>													
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	4.6 J	34	5.3 J	2.9 U	18	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aniline	ug/kg	1.5 U	1.5 U	64	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Benzoic acid	ug/kg	96 UJ	96 U	96 U	96 U	96 U	96 U	96 UJ	96 U	96 U	96 U	96 U	96 U
Benzyl alcohol	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Carbazole	ug/kg	15	11	1.3 U	12	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dibenzofuran	ug/kg	2.6	19	0.76 J	5.6	0.77 J	0.59 U	0.59 U	3	0.59 U	0.59 U	0.59 U	0.59 U
Hexachlorobenzene	ug/kg	0.19 J	0.41 J	0.15 J	0.12 U	0.21	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.17 U	0.065 U	0.065 U	0.065 U	0.065 U
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Isophorone	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.



**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G075 13.9 MidRv 0 - 30	DPSC-G076 14.1 MidRv 0 - 14	DPSC-G077 14.5 MidRv 0 - 20	DPSC-G078 15 MidRv 0 - 17	DPSC-G079 15.4 MidRv 0 - 16	DPSC-G080 15.8 West 0 - 28	DPSC-G085 13.4 East 0 - 18
<b>PCB Aroclors</b>								
Aroclor 1016	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1221	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1232	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1242	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1248	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1254	ug/kg	1.3 J	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1260	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	9.8
Aroclor 1262	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Aroclors	ug/kg	1.3 T	1 UT	1 UT	1 UT	1 UT	1 UT	9.8 T
<b>Butyltins</b>								
Butyltin ion	ug/kg	0.047 U	0.043 U	0.034 U	0.038 U	0.044 U	0.79 J	0.04 U
Dibutyltin ion	ug/kg	0.044 U	0.04 U	0.031 U	0.036 U	0.041 U	0.055 U	1.8
Tetrabutyltin	ug/kg	0.11 U	0.1 U	0.078 U	0.089 U	0.11 U	0.14 U	0.092 U
Tributyltin ion	ug/kg	0.087 U	0.08 U	0.062 U	0.071 U	0.082 U	0.11 U	71
Total Butyltins	ug/kg	0.11 UT	0.1 UT	0.078 UT	0.089 UT	0.11 UT	0.79 T	72.8 T
<b>Conventionals</b>								
Total organic carbon	percent	0.32	0.45	0.22	0.19	1.12	2.1	0.37
Total solids	percent	63.9	70 T	90.5	79.3	67.2	51.4 T	76.4
<b>Dioxin/Furan Homologs</b>								
Heptachlorodibenzofuran homologs	pg/g	1.53 J	--	0.694 J	0.484 J	0.519 U	19.4	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	2.56 J	--	3.85 J	1.73 J	1.59 U	34.5	--
Hexachlorodibenzofuran homologs	pg/g	0.406 J	--	0.377 J	0.0977 J	0.0289 U	6.55 J	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.41 J	--	0.509 J	0.0828 J	0.0337 U	5.77 J	--
Octachlorodibenzofuran	pg/g	1.46 J	--	0.694 U	0.546 U	0.696 U	32.9	--
Octachlorodibenzo-p-dioxin	pg/g	22 J	--	11.3 J	7.18 J	7.88 U	194	--
Pentachlorodibenzofuran homologs	pg/g	0.277 J	--	0.161 J	0.0189 U	0.0317 U	1.62 J	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.0594 U	--	0.0179 U	0.0198 U	0.0522 U	0.524 J	--
Tetrachlorodibenzofuran homologs	pg/g	0.28 J	--	0.0882 U	0.0178 U	0.039 U	0.89 J	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.0655 U	--	0.0138 U	0.0156 U	0.0397 U	0.0503 U	--
Total PCDD/F	pg/g	28.9 T	--	16.9 T	9.58 T	7.88 UT	296 T	--
<b>Dioxins/Furans</b>								
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.551 J	--	0.244 J	0.163 J	0.2 U	4.79 J	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2.27 J	--	2.07 J	0.842 J	0.784 U	19.1	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.0655 U	--	0.0264 U	0.046 U	0.0619 U	0.467 J	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.0603 U	--	0.0183 U	0.021 U	0.0289 U	0.341 J	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.072 U	--	0.0302 U	0.0312 U	0.0337 U	0.292 J	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0665 U	--	0.02 U	0.023 U	0.0311 U	0.179 J	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.222 J	--	0.113 J	0.0316 U	0.0382 U	0.767 J	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.0671 U	--	0.0207 U	0.0244 U	0.0332 U	0.0636 U	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.0729 U	--	0.0881 J	0.0296 U	0.0337 U	0.581 J	--
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.0412 U	--	0.0151 U	0.0201 U	0.0325 U	0.0361 U	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.0594 U	--	0.0179 U	0.0198 U	0.0522 U	0.102 J	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.0655 U	--	0.0183 U	0.0216 U	0.0306 U	0.262 J	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.0388 U	--	0.0144 U	0.0189 U	0.0317 U	0.115 J	--
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.535 U	--	0.103 U	0.0178 U	0.039 U	0.563 U	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G075 13.9 MidRv 0 - 30	DPSC-G076 14.1 MidRv 0 - 14	DPSC-G077 14.5 MidRv 0 - 20	DPSC-G078 15 MidRv 0 - 17	DPSC-G079 15.4 MidRv 0 - 16	DPSC-G080 15.8 West 0 - 28	DPSC-G085 13.4 East 0 - 18
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.0655 U	--	0.0138 U	0.0156 U	0.0397 U	0.0503 U	--
Dioxin/furan TCDD toxicity equivalent	pg/g	0.058 T	--	0.047 T	0.012 T	0.0522 UT	0.690 T	--
<b>Grainsize</b>								
Medium gravel	percent	0.17	27.975 T	49.5	66.3	12.2	0.31	72
Fine gravel	percent	0.15	1.9775 T	22	5.59	14.2	0.81	16.6
Very coarse sand	percent	0.58	2.7925 T	3.28	4.38	3.46	1.71	3.07
Coarse sand	percent	3.73	3.5 T	10.6	9.54	5.35	1.66	8.3
Medium sand	percent	38.1	14.6 T	12.7	9.92	34.7	8.67	5.89
Fine sand	percent	45.1	15.275 T	2.66	5.72	22.1	43.8	3.06
Very fine sand	percent	8.75	13.25 T	0.35	0.75	5.85	20.6	1.28
Coarse silt	percent	2.11	9.97 T	0.31	0.73	2.14	12.6	0.61
Medium silt	percent	2.13	6.6375 T	0.11	0.39	1.27	6.25	0.59
Fine silt	percent	1.2	3.4725 T	0.17	0.28	0.88	3.33	0.42
Very fine silt	percent	0.93	2.0025 T	0.09	0.25	0.88	2.51	0.31
8-9 Phi clay	percent	0.9	1.3875 T	0.12	0.2	0.92	1.29	0.39
>9 Phi clay	percent	1.3	3.4675 T	0.07	0.17	0.86	1.83	0.08
<b>Metals</b>								
Aluminum	mg/kg	18100 J	16400 JT	6260 J	8000 J	11300	25100	5930 J
Antimony	mg/kg	0.12	0.105 T	0.07	0.07	5.45	0.18	0.08
Arsenic	mg/kg	2.65	2.5 T	2.23	1.82	2.47	3.79	4.54
Cadmium	mg/kg	0.108	0.11 T	0.054	0.053	0.084	0.169	0.079
Chromium	mg/kg	18	16.85 T	7.89	10.5	13.2	25.4	10.8
Copper	mg/kg	17.2	18.4 T	10.9	11.2	17.1	27.3	12.8
Lead	mg/kg	9.85	4.58 T	3.42	3.53	4.22	9.73	9.75
Mercury	mg/kg	0.032	0.022	0.012	0.014	0.018	0.033	0.022
Nickel	mg/kg	19 J	18.85 JT	11.7 J	12.6 J	16.4	22.9	14.9 J
Selenium	mg/kg	0.02 U	0.04 T	0.02 U	0.02 U	0.03	0.11	0.02 U
Silver	mg/kg	0.058	0.0425 T	0.022 U	0.021 U	0.035	0.064 J	0.031
Zinc	mg/kg	61.4	44.2 T	36	37.4	41.7	73	46.5
<b>PAHs</b>								
C1-Chrysene	ug/kg	2.5	0.36 U	0.25 U	0.25 U	1.2 J	19	47
C1-Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2 J	0.21 U
C1-Fluoranthene/pyrene	ug/kg	3.1	0.79 U	0.61 U	0.61 U	2.3	13	38
C1-Fluorene	ug/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.62 J	0.65 J
C1-Phenanthrene/anthracene	ug/kg	2.1	0.75 U	0.75 U	0.75 U	2.2	3.1	5.7
C2-Chrysene	ug/kg	3.2	0.25 U	0.25 U	0.25 U	1.6 J	25	31
C2-Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	3.5	1.9 J
C2-Fluoranthene/pyrene	ug/kg	3.9	0.61 U	0.61 U	0.61 U	2.1	21	27
C2-Fluorene	ug/kg	0.65 J	0.5 U	0.5 U	0.5 U	1.1 J	1.7 J	1.8 J
C2-Naphthalene	ug/kg	1.6 J	0.37 U	0.37 U	0.37 U	0.71 J	1.4 J	1.7 J
C2-Phenanthrene/anthracene	ug/kg	2.6	0.75 U	0.75 U	0.75 U	3.3	9.4	6.4
C3-Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	24	24
C3-Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	4.8	0.21 U
C3-Fluoranthene/pyrene	ug/kg	3.1	0.61 U	0.61 U	0.61 U	0.61 U	20	16
C3-Fluorene	ug/kg	0.5 U	0.5 U	0.5 U	0.5 U	1.4 J	6.2	3.3
C3-Naphthalene	ug/kg	0.99 J	0.37 U	0.37 U	0.37 U	0.58 J	1.5 J	1.5 J
C3-Phenanthrene/anthracene	ug/kg	2.8	0.75 U	0.75 U	0.75 U	2.8	19	7.9

Note:

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**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G075 13.9 MidRv 0 - 30	DPSC-G076 14.1 MidRv 0 - 14	DPSC-G077 14.5 MidRv 0 - 20	DPSC-G078 15 MidRv 0 - 17	DPSC-G079 15.4 MidRv 0 - 16	DPSC-G080 15.8 West 0 - 28	DPSC-G085 13.4 East 0 - 18
C4-Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	9.4
C4-Naphthalene	ug/kg	0.6 J	0.37 U	0.37 U	0.37 U	0.9 J	2 J	1.3 J
C4-Phenanthrene/anthracene	ug/kg	0.75 U	0.75 U	0.75 U	0.75 U	1.7 J	12	7
1-Methylnaphthalene	ug/kg	1 J	0.31 U	0.31 U	0.31 U	0.31 U	0.58 J	0.57 J
2-Methylnaphthalene	ug/kg	1.5 J	0.39 U	0.39 U	0.39 U	0.39 U	0.83 J	1.1 J
Acenaphthene	ug/kg	1.9 J	0.23 U	0.23 U	0.23 U	0.23 U	0.48 J	1.5 J
Acenaphthylene	ug/kg	0.77 J	0.24 U	0.24 U	0.24 U	0.47 J	1.4 J	2.9
Anthracene	ug/kg	1.7 J	0.47 U	0.47 U	0.47 U	0.47 U	1.2 J	6.2
Benzo(a)anthracene	ug/kg	2 J	0.73 U	0.48 U	0.48 U	1 J	5.3	48
Benzo(a)pyrene	ug/kg	1.9 J	0.54 U	0.14 U	0.18 J	0.84 J	5.1	72
Benzo(b)fluoranthene	ug/kg	3	0.79 U	0.25 U	0.33 J	1.3 J	7	70
Benzo(e)pyrene	ug/kg	2.2	0.73 U	0.18 U	0.38 J	0.89 J	5.3	45
Benzo(g,h,i)perylene	ug/kg	2.3	0.64 U	0.64 U	0.64 U	0.99 J	5.4	44
Benzo(k)fluoranthene	ug/kg	0.88 J	0.29 U	0.15 U	0.15 U	0.36 J	2.4 J	27
Chrysene	ug/kg	2.9	0.63 U	0.25 U	0.27 J	1.2 J	7.5	50
Dibenzo(a,h)anthracene	ug/kg	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	1.2 J	9.4
Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.46 J
Fluoranthene	ug/kg	5.5 J	1.2 U	0.61 U	0.62 J	2	10	18
Fluorene	ug/kg	0.97 J	0.5 U	0.5 U	0.5 U	0.5 U	0.59 J	0.92 J
Indeno(1,2,3-cd)pyrene	ug/kg	2	0.6 U	0.16 U	0.26 J	0.78 J	4.6	47
Naphthalene	ug/kg	7.9	1.3 J	0.6 J	1.1 J	1.6 J	4.3	2.9
Perylene	ug/kg	11	5.8	0.32 U	0.32 U	15	6.3	18
Phenanthrene	ug/kg	7.6	0.75 U	0.75 U	0.75 U	2.2	6.1	11
Pyrene	ug/kg	8.2	1.1 U	0.37 U	0.58 J	3.2	11	38
Total C1-PAHs	ug/kg	7.7 T	0.79 UT	0.75 UT	0.75 UT	5.7 T	37.72 T	91.35 T
Total C2-PAHs	ug/kg	11.95 T	0.75 UT	0.75 UT	0.75 UT	8.81 T	62 T	69.8 T
Total C3-PAHs	ug/kg	6.89 T	0.75 UT	0.75 UT	0.75 UT	4.78 T	75.5 T	52.7 T
Total C4-PAHs	ug/kg	0.6 T	0.75 UT	0.75 UT	0.75 UT	2.6 T	14 T	17.7 T
Total HPAHs	ug/kg	28.7 T	1.2 UT	0.64 UT	2.24 T	11.7 T	59.5 T	423 T
Total LPAHs	ug/kg	22.3 T	1.3 T	0.6 T	1.1 T	4.27 T	14.9 T	26.5 T
Total PAHs	ug/kg	51.0 T	1.3 T	0.6 T	3.34 T	15.9 T	74.4 T	450 T
<b>Pesticides</b>								
2,4'-DDD	ug/kg	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.23 U	0.4
2,4'-DDE	ug/kg	0.03 U	0.051 U	0.03 U	0.051 U	0.03 U	0.11 U	0.2 U
2,4'-DDT	ug/kg	0.11 J	0.03 U	0.03 U	0.03 U	0.03 U	0.2 U	0.8 J
4,4'-DDD	ug/kg	0.11 J	0.047 U	0.047 U	0.047 U	0.047 U	0.41	0.2 U
4,4'-DDE	ug/kg	0.22	0.092 U	0.066 U	0.2 U	0.034 U	0.63	0.2 U
4,4'-DDT	ug/kg	0.15 U	0.13 U	0.13 U	0.13 U	0.13 U	0.69 J	0.82 J
Total DDD	ug/kg	0.11 T	0.047 UT	0.047 UT	0.047 UT	0.047 UT	0.41 T	0.4 T
Total DDE	ug/kg	0.22 T	0.092 UT	0.066 UT	0.2 UT	0.034 UT	0.63 T	0.2 UT
Total DDT	ug/kg	0.11 T	0.13 UT	0.13 UT	0.13 UT	0.13 UT	0.69 T	1.62 T
Total DDx	ug/kg	0.44 T	0.13 UT	0.13 UT	0.2 UT	0.13 UT	1.73 T	2.02 T
Aldrin	ug/kg	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
alpha-Endosulfan	ug/kg	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.17 U	0.025 U
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-Endosulfan	ug/kg	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.11 J
beta-Hexachlorocyclohexane	ug/kg	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G075	DPSC-G076	DPSC-G077	DPSC-G078	DPSC-G079	DPSC-G080	DPSC-G085
		13.9 MidRv 0 - 30	14.1 MidRv 0 - 14	14.5 MidRv 0 - 20	15 MidRv 0 - 17	15.4 MidRv 0 - 16	15.8 West 0 - 28	13.4 East 0 - 18
cis-Chlordane	ug/kg	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U
cis-Nonachlor	ug/kg	0.076 U	0.053 U	0.053 U	0.053 U	0.053 U	0.21 U	0.053 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
Dieldrin	ug/kg	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.093 J	0.036 U
Endosulfan sulfate	ug/kg	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.23 U	0.053 U
Endrin	ug/kg	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U
Endrin aldehyde	ug/kg	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.2 U
Endrin ketone	ug/kg	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.2 U
gamma-Hexachlorocyclohexane	ug/kg	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.2 U	0.043 U
Heptachlor	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Heptachlor epoxide	ug/kg	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.2 U	0.2 U
Methoxychlor	ug/kg	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.12 U	0.054 U
Mirex	ug/kg	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U
Oxychlordane	ug/kg	0.054 U	0.29 J	0.13 U	0.054 U	0.054 U	0.054 U	0.054 U
Total Chlordanes	ug/kg	0.054 T	0.29 T	0.13 UT	0.19 T	0.054 UT	0.21 UT	0.23 T
Total Endosulfans	ug/kg	0.053 UT	0.053 UT	0.053 UT	0.053 UT	0.053 UT	0.23 UT	0.11 T
Toxaphene	ug/kg	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	8.6 U	16 U
trans-Chlordane	ug/kg	0.054 J	0.035 U	0.035 U	0.035 U	0.035 U	0.065 U	0.23 J
trans-Nonachlor	ug/kg	0.036 U	0.036 U	0.036 U	0.19 J	0.036 U	0.11 U	0.2 U
<b>Petroleum</b>								
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	12 J	1.9 JT	2 U	4.5 U	8.1 J	22 J	9.4 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	34 J	6.9 JT	8.9 J	14 J	27 J	130 J	33 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	46 T	8.8 T	8.9 T	14 T	35.1 T	152 T	42.4 T
<b>Phenols</b>								
2,3,4,5-Tetrachlorophenol	ug/kg	4.6 U	4.3 U	3.3 U	3.8 U	4.3 U	5.8 U	4 U
2,3,5,6-Tetrachlorophenol	ug/kg	5.7 U	5.3 U	4.1 U	4.7 U	5.3 U	7.1 U	4.9 U
2,4,5-Trichlorophenol	ug/kg	4 U	3.7 U	2.9 U	3.3 U	3.7 U	5 U	3.4 U
2,4,6-Trichlorophenol	ug/kg	4.2 U	3.9 U	3 U	3.4 U	3.9 U	5.2 U	3.6 U
2,4-Dichlorophenol	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U
2-Chlorophenol	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
2-Nitrophenol	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.8 J	1.4 U	1.4 U	1.4 U	5.2 J	1.4 U
4-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	16	1.5 U
4-Nitrophenol	ug/kg	18 U	18 U	18 U	18 U	18 U	18 U	18 U
Pentachlorophenol	ug/kg	5.4 U	5 U	3.9 U	4.4 U	5 U	6.8 U	4.6 U
Phenol	ug/kg	5.6 J	5.7 J	2 U	2 U	2.4 J	18 J	5.9 J
<b>Phthalates</b>								
Bis(2-ethylhexyl) phthalate	ug/kg	8.6 J	7 U	7 U	10 J	7 U	67	19 J
Butylbenzyl phthalate	ug/kg	3.2 U	3.2 U	3.2 U	3.6 J	3.2 U	18	14
Dibutyl phthalate	ug/kg	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	11	7.9 U
Diethyl phthalate	ug/kg	1.3 U	1.3 U	13	1.5 J	1.4 J	1.8 J	6.1 J
Dimethyl phthalate	ug/kg	1 U	1 U	1 U	1 U	1 U	2.8 J	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2a**  
**Analytical Results of Surface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-G075 13.9 MidRv 0 - 30	DPSC-G076 14.1 MidRv 0 - 14	DPSC-G077 14.5 MidRv 0 - 20	DPSC-G078 15 MidRv 0 - 17	DPSC-G079 15.4 MidRv 0 - 16	DPSC-G080 15.8 West 0 - 28	DPSC-G085 13.4 East 0 - 18
<b>SVOCs</b>								
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aniline	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 J
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Benzoic acid	ug/kg	96 U	96 U	96 U	96 U	96 U	160 J	96 U
Benzyl alcohol	ug/kg	2.5 J	2.8 J	2.1 U	2.1 U	4.3 J	6.1 J	2.1 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Carbazole	ug/kg	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.7 J	2.2 J
Dibenzofuran	ug/kg	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 J	0.59 U
Hexachlorobenzene	ug/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 U	29 U	29 U	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Isophorone	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
<b>PCB Aroclors</b>										
Aroclor 1016	ug/kg	1.4 U	1.37 U	1.61 U	1.3 U	6.4 U	1.3 U	1.3 U	1.3 U	1.3 U
Aroclor 1221	ug/kg	2.59 U	2.53 U	2.98 U	1.3 U	6.5 U	1.3 U	1.3 U	1.3 U	1.3 U
Aroclor 1232	ug/kg	2.34 U	2.29 U	2.69 U	1.3 U	8.7 U	1.3 U	1.3 U	1.3 U	1.3 U
Aroclor 1242	ug/kg	1.42 U	1.39 U	1.64 U	6.4 NJ	3.4 U	27	15 U	1.3 U	1.3 U
Aroclor 1248	ug/kg	1.83 U	1.78 U	2.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Aroclor 1254	ug/kg	0.851 U	0.832 U	0.977 U	16 J	5.7 J	53	31 J	21	42
Aroclor 1260	ug/kg	4.46	1.07 U	1.25 U	12	9	80	140	1.3 U	92
Aroclor 1262	ug/kg	1.31 U	1.28 U	1.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Aroclor 1268	ug/kg	1.12 U	1.1 U	1.29 U	8.2	1.3 U	15 U	1.3 U	1.3 U	1.3 U
Total Aroclors	ug/kg	4.46 T	2.53 UT	2.98 UT	42.6 JT	14.7 JT	160 T	171 JT	21 T	134 T
<b>Butyltins</b>										
Butyltin ion	ug/kg	--	--	--	--	--	--	1.7	0.38 J	0.75 J
Dibutyltin ion	ug/kg	--	--	--	--	--	--	8.5	0.42 J	1.4 J
Tetrabutyltin	ug/kg	--	--	--	--	--	--	0.099 U	0.14 U	0.11 U
Tributyltin ion	ug/kg	--	--	--	--	--	--	4.8	0.11 U	3.1
Total Butyltins	ug/kg	--	--	--	--	--	--	15 T	0.8 T	5.25 T
<b>Conventionals</b>										
Ammonia	mg/kg	8.9	34.5	5.2	54.2	54.6	--	--	--	--
Specific Gravity	NA	--	--	--	1.58	1.61	1.57 T	--	--	--
Sulfide	mg/kg	0.2 U	0.6	0.2 U	1.3	1.4	--	--	--	--
Total organic carbon	percent	1.4	1.14	0.28	1.07	0.76	0.76 T	0.94	1.33	0.78
Total solids	percent	63.6	66	68.9	59.6	62.6	74.2 T	70.3	52.1	68.7
<b>Dioxin/Furan Homologs</b>										
Heptachlorodibenzofuran homologs	pg/g	24.592 T	1.635	0.759	--	--	--	23.6	1.03 J	33.1
Heptachlorodibenzo-p-dioxin homologs	pg/g	33.141 T	4.888	2.341	--	--	--	77.9	9.3	93.4
Hexachlorodibenzofuran homologs	pg/g	18.148 T	1.191	0.467	--	--	--	15.2	0.204 J	20.3
Hexachlorodibenzo-p-dioxin homologs	pg/g	3.313 T	1.344	0.52	--	--	--	12.1	0.552 J	12.7
Octachlorodibenzofuran	pg/g	12.043 T	1.076 U	0.666 U	--	--	--	40.6	0.874 J	32.7
Octachlorodibenzo-p-dioxin	pg/g	211.997 JT	18.856 U	8.635 U	--	--	--	359	23.2	544
Pentachlorodibenzofuran homologs	pg/g	3.372 T	0.699	0.181	--	--	--	9.73	0.0764 U	9.71
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.243 T	0.246	0.041	--	--	--	0.364 J	0.0757 U	0.706 J
Tetrachlorodibenzofuran homologs	pg/g	0.55 T	0.321	0.047	--	--	--	1.09 J	0.0873 U	3.98
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.114 T	0.189	0.131	--	--	--	0.296 J	0.099 U	1.2
Total PCDD/F	pg/g	308 JT	10.5 T	4.49 T	--	--	--	540 JT	35.2 JT	752 JT
<b>Dioxins/Furans</b>										
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	10.447 T	0.534 U	0.253 U	--	--	--	6.54	0.289 J	7.21
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	33.846 T	2.433 U	1.223 U	--	--	--	42.4	2.13 J	39.1
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.328 JT	0.027 U	0.014 U	--	--	--	0.614 J	0.123 U	0.653 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.688 JT	0.054 J	0.061 U	--	--	--	1.04 J	0.0543 U	0.753 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.057 JT	0.03 U	0.017 J	--	--	--	0.471 J	0.102 U	0.296 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.289 JT	0.049 J	0.005 U	--	--	--	0.441 J	0.0549 U	0.483 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	1.22 JT	0.206 J	0.092 J	--	--	--	2.17 J	0.112 U	1.7 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.007 UT	0.007 U	0.006 U	--	--	--	0.165 U	0.0915 U	0.236 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.175 JT	0.122 J	0.055 J	--	--	--	1.46 J	0.107 U	0.883 J

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.353 JT	0.022 J	0.005 U	--	--	--	0.272 J	0.0752 U	0.215 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.033 JT	0.035 J	0.006 U	--	--	--	0.364 J	0.0757 U	0.325 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.726 JT	0.058 J	0.005 U	--	--	--	0.752 J	0.0733 U	0.491 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.186 JT	0.024 U	0.017 U	--	--	--	0.266 J	0.0764 U	0.33 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.094 JT	0.076 U	0.051 U	--	--	--	0.0686 U	0.0873 U	0.158 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.018 UT	0.04 U	0.006 U	--	--	--	0.0729 U	0.099 U	0.157 J
Dioxin/furan TCDD toxicity equivalent	pg/g	0.938 JT	0.0846 JT	0.0164 JT	--	--	--	1.7 JT	0.0314 JT	1.71 JT
<b>Grainsize</b>										
Medium gravel	percent	0.62	1.22 T	0	0.11	0.05	14.8 T	5.8	0.08	7.98
Fine gravel	percent	1.56	2.03 T	0	0.41	0.37	19.7 T	20.7	1.34	9.98
Very coarse sand	percent	1	1.28 T	0.05	0.58	0.37	8.61 T	11.4	0.69	6.01
Coarse sand	percent	2.42	3.78 T	0.15	0.96	1	12.7 T	11.8	0.77	7.03
Medium sand	percent	56	53.6 T	19.6	9.16	17.4	21.4 T	13.5	3.23	13.6
Fines	percent	4.71 T	3.95 T	6.41 T	19.7 T	18.8 T	16 T	12.3 T	29 T	16.9 T
Fine sand	percent	29.3	29.2 T	58.7	52.6	48.9	7.93 T	15.2	32.5	24.3
Very fine sand	percent	2.91	1.82 T	13.9	17.6	10	2.11 T	7.23	30.5	11.8
Coarse silt	percent	0.9	0.803 T	2.12	6.99	8.64	2.2 T	5.1	12.7	3.42
Medium silt	percent	0.77	0.523 T	0.83	4.17	3.47	3.87 T	2.67	7.76	4.31
Fine silt	percent	0.84	0.713 T	0.95	2.46	2.18	3.12 T	1.9	3	2.5
Very fine silt	percent	0.74	0.613 T	0.73	2.19	2.03	2.8 T	1.08	1.67	1.78
8-9 Phi clay	percent	0.75	0.52 T	0.69	2.02	1.18	1.66 T	0.64	2.43	2.57
>9 Phi clay	percent	0.71	0.777 T	1.09	1.85	1.33	2.34 T	0.92	1.41	2.35
<b>Metals</b>										
Aluminum	mg/kg	14900	15100	15400	16800	14200	11500 T	11000	23300	12300
Antimony	mg/kg	0.09 UJ	0.09 UJ	0.09 UJ	0.58 J	0.71 J	0.33 JT	0.25 J	0.08 J	0.15 J
Arsenic	mg/kg	2.36 J	2.15 J	2.73 J	2.29	1.89	3.22 T	2.63	2.43 J	1.91 J
Cadmium	mg/kg	0.107 J	0.092 J	0.116 J	0.225	0.156	0.436 T	0.238	0.147 J	0.266 J
Chromium	mg/kg	20.7	19.9	26.6	20.1	17.1	16.6 T	17	21.1	17.1
Copper	mg/kg	16.5	17.3	15.8	25.4	20.8	33.1 T	35.4	23.7 J	22.7 J
Lead	mg/kg	5.92	5.81	6.47	22.1	14	65.1 T	66.7	12 J	90.1 J
Manganese	mg/kg	--	--	--	--	--	--	394 J	482	479
Mercury	mg/kg	0.022	0.02	0.017 J	0.316	0.046	0.316 JT	0.024	0.049	0.065
Nickel	mg/kg	18.9 J	19.9	25.2	20.2 J	18.2 J	15.2 T	16.4	20.1 J	14.7 J
Selenium	mg/kg	0.08 U	0.07 U	0.07 U	--	--	--	0.03 J	0.07 J	0.06 J
Silver	mg/kg	0.039	0.037	0.036	0.46	0.22	1.7 T	0.09	0.128	0.162
Thallium	mg/kg	--	--	--	--	--	--	0.07	0.078 J	0.081 J
Zinc	mg/kg	65.2	64.4	65.9	103	79.8	185 T	116 J	87	109
<b>PAHs</b>										
C1-Dibenzothiophene	ug/kg	--	--	--	11	2.3	110	3	0.41 U	14
C1-Chrysene	ug/kg	--	--	--	23	16	710	34	11	39
C1-Fluoranthene/pyrene	ug/kg	--	--	--	35	22	1300	27	17	43
C1-Fluorene	ug/kg	--	--	--	7.5	2.4	130	2.3 U	2.1 J	4.5
C1-Phenanthrene/anthracene	ug/kg	--	--	--	35	15	1100	20	14	30
C2-Dibenzothiophene	ug/kg	--	--	--	13	5.1	310	13	2.8 J	25
C2-Chrysene	ug/kg	--	--	--	19	13	420	54	8.7	57

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
C2-Fluoranthene/pyrene	ug/kg	--	--	--	23	13	440	29	11	36
C2-Fluorene	ug/kg	--	--	--	15	5.2	220	6.5	4.7	13
C2-Naphthalene	ug/kg	--	--	--	21	6.5	190	2.7	4.9	21
C2-Phenanthrene/anthracene	ug/kg	--	--	--	32	11	540	25	14	31
C3-Dibenzothiophene	ug/kg	--	--	--	0.21 U	5	240	30	0.41 U	50
C3-Chrysene	ug/kg	--	--	--	20	10	230	75	7.7	65
C3-Fluoranthene/pyrene	ug/kg	--	--	--	15	7.4	280	42	8	47
C3-Fluorene	ug/kg	--	--	--	16	6.3	260	15	0.96 U	22
C3-Naphthalene	ug/kg	--	--	--	20	6.1	350	2.6	4 J	30
C3-Phenanthrene/anthracene	ug/kg	--	--	--	29	12	450	45	22	58
C4-Chrysene	ug/kg	--	--	--	11	7.9	130	47	0.48 U	85
C4-Naphthalene	ug/kg	--	--	--	18	6.1	270	4.8	5.2	28
C4-Phenanthrene/anthracene	ug/kg	--	--	--	20	6.6	260	23	1.5 U	56
1-Methylnaphthalene	ug/kg	--	--	--	4	2.2	18	1.3 J	2.3 J	1.8 J
2-Methylnaphthalene	ug/kg	0.85 U	0.63 U	0.63 U	6.5	3.6	22	1.8	2.6 J	3.5 J
Acenaphthene	ug/kg	0.49 U	0.26 U	0.24 U	30	2.1	48	3.1	6.9	2.2 J
Acenaphthylene	ug/kg	0.6 U	0.63 U	0.78 U	3.9	4	310 J	0.62 J	1.7 J	1.4 J
Anthracene	ug/kg	1.4 U	0.35 U	0.36 U	7.1	4.9	420 J	7.5	4.5 J	3.7
Benzo(a)anthracene	ug/kg	2.2 U	1.7 J	0.79 U	23	20	1700	18	11	18
Benzo(a)pyrene	ug/kg	1.8 U	0.35 U	0.33 U	32	34	2800	19	9.7	18
Benzo(b)fluoranthene	ug/kg	3.1 U	1.2 U	0.71 U	33	40	2400	27	13	26
Benzo(e)pyrene	ug/kg	--	--	--	21	30	1700 J	19	9	19
Benzo(g,h,i)perylene	ug/kg	2.2 U	0.89 U	0.65 U	30	42	2500	19	8.6	21
Benzo(k)fluoranthene	ug/kg	0.52 U	0.52 U	0.49 U	9.8	11	670 J	7.1	4.4 J	8.4
Chrysene	ug/kg	1.9 U	0.65 U	0.62 U	25	33	2100	26	12	20
Dibenzo(a,h)anthracene	ug/kg	0.58 J	0.41 U	0.39 U	3.2	3.5	210 J	3.4	1.8 U	4.5
Dibenzothiophene	ug/kg	--	--	--	4.6	2 J	310 J	2	1.2 J	2.3 J
Fluoranthene	ug/kg	6.7	1.8 U	1.3 U	58	59	6400 J	42	34	39
Fluorene	ug/kg	0.8 U	0.3 U	0.28 U	11	2.8	160 J	3.6	5.7	3.1 J
Indeno(1,2,3-cd)pyrene	ug/kg	1.3 U	0.93 U	0.55 U	27	37	2300	17	8.5	15
Naphthalene	ug/kg	2 U	1.7 U	2 U	9.6	9.7	55	42	6.1	9.6
Perylene	ug/kg	--	--	--	15	15	740 J	11	5.1	25
Phenanthrene	ug/kg	1.2 U	0.88 U	0.93 U	55	25	3900	30	27	17
Pyrene	ug/kg	6.4	1.9 U	1.4 U	58	70	7900 J	40	29	40
Total HPAHs	ug/kg	13.7 JT	1.7 JT	1.4 UT	300 T	350 T	29000 JT	220 T	130 JT	210 T
Total LPAHs	ug/kg	2 UT	1.7 UT	2 UT	120 T	52 T	4900 JT	89 JT	55 JT	41 JT
Total PAHs	ug/kg	13.7 JT	1.7 JT	2 UT	420 T	400 T	34000 JT	310 JT	180 JT	250 JT
<b>PCB Congeners</b>										
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	--	--	--	--	--	--	4.51 T	0.421 JT	3.15 T
PCB001	pg/g	--	--	--	--	--	--	9.26	12.4 U	633
PCB002	pg/g	--	--	--	--	--	--	9.61	12.4 U	44.4
PCB003	pg/g	--	--	--	--	--	--	10.9	12.4 U	164
PCB004 & 010	pg/g	--	--	--	--	--	--	35.3	24.9 U	14500
PCB005 & 008	pg/g	--	--	--	--	--	--	86.7	24.9 U	3640
PCB006	pg/g	--	--	--	--	--	--	21.5	24.9 U	799

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.



**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
PCB007 & 009	pg/g	--	--	--	--	--	--	10.8	24.9 U	400
PCB011	pg/g	--	--	--	--	--	--	71.7	94.1	50 U
PCB012 & 013	pg/g	--	--	--	--	--	--	16.1	24.9 U	295
PCB014	pg/g	--	--	--	--	--	--	9.44 U	24.9 U	50 U
PCB015	pg/g	--	--	--	--	--	--	70.2	52.8	1240
PCB016 & 032	pg/g	--	--	--	--	--	--	376	48.4	14100
PCB017	pg/g	--	--	--	--	--	--	89.6	31.3	23300
PCB018	pg/g	--	--	--	--	--	--	161	56.9	4630
PCB019	pg/g	--	--	--	--	--	--	24.3	12.4 U	30700
PCB020 & 021 & 033	pg/g	--	--	--	--	--	--	184	39	2470
PCB022	pg/g	--	--	--	--	--	--	223	29.8	2300
PCB023	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB024 & 027	pg/g	--	--	--	--	--	--	19.9	12.4 U	4510
PCB025	pg/g	--	--	--	--	--	--	37.4	24.8	1390
PCB026	pg/g	--	--	--	--	--	--	51.3	32	2280
PCB028	pg/g	--	--	--	--	--	--	349	93.8	6770
PCB029	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB030	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	48.5
PCB031	pg/g	--	--	--	--	--	--	234	82.6	3870
PCB034	pg/g	--	--	--	--	--	--	5.08	12.4 U	154
PCB035	pg/g	--	--	--	--	--	--	7.7	12.4 U	33.5
PCB036	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	11.5 J
PCB037	pg/g	--	--	--	--	--	--	96.3	29.1	356
PCB038	pg/g	--	--	--	--	--	--	222	12.4 U	1290
PCB039	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	87.5
PCB040	pg/g	--	--	--	--	--	--	58.3	19.8	332
PCB041 & 064 & 071 & 072	pg/g	--	--	--	--	--	--	677	101	9230
PCB042 & 059	pg/g	--	--	--	--	--	--	126	35.7	2110
PCB043 & 049	pg/g	--	--	--	--	--	--	2580	106	52900
PCB044	pg/g	--	--	--	--	--	--	374	131	5250
PCB045	pg/g	--	--	--	--	--	--	47.4	14.6	442
PCB046	pg/g	--	--	--	--	--	--	69.8	12.4 U	2660
PCB047	pg/g	--	--	--	--	--	--	6320	52.2	84900
PCB048 & 075	pg/g	--	--	--	--	--	--	117	18.7	2550
PCB050	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	1460
PCB051	pg/g	--	--	--	--	--	--	3110	13	57900
PCB052 & 069	pg/g	--	--	--	--	--	--	1060	154	47000
PCB053	pg/g	--	--	--	--	--	--	1030	18.9	51200
PCB054	pg/g	--	--	--	--	--	--	196	12.4 U	10200
PCB055	pg/g	--	--	--	--	--	--	80.5	12.4 U	511
PCB056 & 060	pg/g	--	--	--	--	--	--	281	45.2	785
PCB057	pg/g	--	--	--	--	--	--	25.4	12.4 U	149
PCB058	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	24.6 J
PCB061 & 070	pg/g	--	--	--	--	--	--	593	103	3470
PCB062	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
PCB063	pg/g	--	--	--	--	--	--	43.4	12.4 U	240
PCB065	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB066 & 076	pg/g	--	--	--	--	--	--	465	83.6	3380
PCB067	pg/g	--	--	--	--	--	--	74.2	12.4 U	357
PCB068	pg/g	--	--	--	--	--	--	58.1	12.4 U	845
PCB073	pg/g	--	--	--	--	--	--	162	12.4 U	3320
PCB074	pg/g	--	--	--	--	--	--	223	34	756
PCB077	pg/g	--	--	--	--	--	--	63.6	12.1 J	140
PCB078	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	21.7 J
PCB079	pg/g	--	--	--	--	--	--	50.5	12.4 U	247
PCB080	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB081	pg/g	--	--	--	--	--	--	21.7	1.59 U	25.7
PCB082	pg/g	--	--	--	--	--	--	171	41.1	558
PCB083	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB084 & 092	pg/g	--	--	--	--	--	--	2630	121	7600
PCB085 & 116	pg/g	--	--	--	--	--	--	227	57.3	757
PCB086	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25.2
PCB087 & 117 & 125	pg/g	--	--	--	--	--	--	1670	116	3370
PCB088 & 091	pg/g	--	--	--	--	--	--	1790	49.6	21200
PCB089	pg/g	--	--	--	--	--	--	16.1	12.4 U	45.6
PCB090 & 101	pg/g	--	--	--	--	--	--	16200	344	20100
PCB093	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB094	pg/g	--	--	--	--	--	--	448	12.4 U	2210
PCB095 & 098 & 102	pg/g	--	--	--	--	--	--	10900	248	24300
PCB096	pg/g	--	--	--	--	--	--	294	12.4 U	3380
PCB097	pg/g	--	--	--	--	--	--	569	96.8	1720
PCB099	pg/g	--	--	--	--	--	--	1720	164	9810
PCB100	pg/g	--	--	--	--	--	--	1490	12.4 U	10700
PCB103	pg/g	--	--	--	--	--	--	498	12.4 U	4170
PCB104	pg/g	--	--	--	--	--	--	91.9	12.4 U	1030
PCB105	pg/g	--	--	--	--	--	--	1040	125	1540
PCB106 & 118	pg/g	--	--	--	--	--	--	4300	288	5720
PCB107 & 109	pg/g	--	--	--	--	--	--	249	22.6	1110
PCB108 & 112	pg/g	--	--	--	--	--	--	80.1	14.6	411
PCB110	pg/g	--	--	--	--	--	--	6770	421	12700
PCB111 & 115	pg/g	--	--	--	--	--	--	38.7	12.4 U	165
PCB113	pg/g	--	--	--	--	--	--	26.3	12.4 U	477
PCB114	pg/g	--	--	--	--	--	--	28.5	6.58 J	96.9
PCB119	pg/g	--	--	--	--	--	--	411	12.4 U	3690
PCB120	pg/g	--	--	--	--	--	--	51	12.4 U	157
PCB121	pg/g	--	--	--	--	--	--	33.3	12.4 U	566
PCB122	pg/g	--	--	--	--	--	--	17.3	12.4 U	55
PCB123	pg/g	--	--	--	--	--	--	24.8	6.09 J	69.2
PCB124	pg/g	--	--	--	--	--	--	166	13.9	151
PCB126	pg/g	--	--	--	--	--	--	42	4.05 J	28.4

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
PCB127	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB128 & 162	pg/g	--	--	--	--	--	--	2090	67.3	1310
PCB129	pg/g	--	--	--	--	--	--	562	18.4	350
PCB130	pg/g	--	--	--	--	--	--	1290	27.4	1040
PCB131	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB132 & 161	pg/g	--	--	--	--	--	--	10800	107	4470
PCB133 & 142	pg/g	--	--	--	--	--	--	951	12.4 U	2130
PCB134 & 143	pg/g	--	--	--	--	--	--	1770	22.4	1250
PCB135	pg/g	--	--	--	--	--	--	6150	53.9	5490
PCB136	pg/g	--	--	--	--	--	--	7140	49.4	8070
PCB137	pg/g	--	--	--	--	--	--	161	21.9	632
PCB138 & 163 & 164	pg/g	--	--	--	--	--	--	43600	407	18700
PCB139 & 149	pg/g	--	--	--	--	--	--	43400	287	23100
PCB140	pg/g	--	--	--	--	--	--	78.8	12.4 U	551
PCB141	pg/g	--	--	--	--	--	--	13300	87.5	3640
PCB144	pg/g	--	--	--	--	--	--	2930	16.6	698
PCB145	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB146 & 165	pg/g	--	--	--	--	--	--	6430	65.9	7290
PCB147	pg/g	--	--	--	--	--	--	1850	12.4 U	11000
PCB148	pg/g	--	--	--	--	--	--	114	12.4 U	1030
PCB150	pg/g	--	--	--	--	--	--	234	12.4 U	1940
PCB151	pg/g	--	--	--	--	--	--	17000	90.5	9760
PCB152	pg/g	--	--	--	--	--	--	194	12.4 U	647
PCB153	pg/g	--	--	--	--	--	--	54300	414	28500
PCB154	pg/g	--	--	--	--	--	--	599	12.4 U	4740
PCB155	pg/g	--	--	--	--	--	--	28	12.4 U	194
PCB156	pg/g	--	--	--	--	--	--	2640	40.8	1110
PCB157	pg/g	--	--	--	--	--	--	115	9.11 J	207
PCB158 & 160	pg/g	--	--	--	--	--	--	3900	46.2	1410
PCB159	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	452
PCB166	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	19 J
PCB167	pg/g	--	--	--	--	--	--	947	18.7	471
PCB168	pg/g	--	--	--	--	--	--	75.5	12.4 U	253
PCB169	pg/g	--	--	--	--	--	--	2.96 U	2.1 U	3.62 U
PCB170	pg/g	--	--	--	--	--	--	25000	95.3	8420
PCB171	pg/g	--	--	--	--	--	--	6240	23.9 UJ	2260
PCB172	pg/g	--	--	--	--	--	--	4150	16.2	1620
PCB173	pg/g	--	--	--	--	--	--	581	12.4 U	154
PCB174	pg/g	--	--	--	--	--	--	30600	116	9150
PCB175	pg/g	--	--	--	--	--	--	1500	12.4 U	474
PCB176	pg/g	--	--	--	--	--	--	3970	17.2	1620
PCB177	pg/g	--	--	--	--	--	--	16200	68.2	8010
PCB178	pg/g	--	--	--	--	--	--	6180	28.8	5210
PCB179	pg/g	--	--	--	--	--	--	14100	59.6	8360
PCB180	pg/g	--	--	--	--	--	--	66600	254	23500

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
PCB181	pg/g	--	--	--	--	--	--	92.3	12.4 U	135
PCB182 & 187	pg/g	--	--	--	--	--	--	37400	173	26200
PCB183	pg/g	--	--	--	--	--	--	16700	75.6	7140
PCB184	pg/g	--	--	--	--	--	--	6.11	12.4 U	50.4
PCB185	pg/g	--	--	--	--	--	--	3340	14	931
PCB186	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB188	pg/g	--	--	--	--	--	--	79.3	12.4 U	642
PCB189	pg/g	--	--	--	--	--	--	842	3.15 J	400
PCB190	pg/g	--	--	--	--	--	--	5450	20.8	2080
PCB191	pg/g	--	--	--	--	--	--	1040	12.4 U	376
PCB192	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	25 U
PCB193	pg/g	--	--	--	--	--	--	3170	12.4	2060
PCB194	pg/g	--	--	--	--	--	--	15000	59.3	15000
PCB195	pg/g	--	--	--	--	--	--	7100	25.6 UJ	6570
PCB196 & 203	pg/g	--	--	--	--	--	--	19700	82.5	14700
PCB197	pg/g	--	--	--	--	--	--	572	12.4 U	598
PCB198	pg/g	--	--	--	--	--	--	1270	12.4 U	552
PCB199	pg/g	--	--	--	--	--	--	17100	94.2	13500
PCB200	pg/g	--	--	--	--	--	--	2240	12.4 U	1230
PCB201	pg/g	--	--	--	--	--	--	1870	12.4 U	1750
PCB202	pg/g	--	--	--	--	--	--	2300	16.9	2060
PCB204	pg/g	--	--	--	--	--	--	4.72 U	12.4 U	7.92 J
PCB205	pg/g	--	--	--	--	--	--	634	12.4 U	772
PCB206	pg/g	--	--	--	--	--	--	2660	42.2	4480
PCB207	pg/g	--	--	--	--	--	--	349	12.4 U	552
PCB208	pg/g	--	--	--	--	--	--	383	12.4 U	583
PCB209	pg/g	--	--	--	--	--	--	56.4	33.3	207
Total PCB Congeners	pg/g	--	--	--	--	--	--	609000 T	6830 JT	912000 JT
<b>PCB Homologs</b>										
Monochlorobiphenyl homologs	pg/g	--	--	--	--	--	--	29.8 T	12.4 UT	841 T
Dichlorobiphenyl homologs	pg/g	--	--	--	--	--	--	312 T	147 T	20900 T
Trichlorobiphenyl homologs	pg/g	--	--	--	--	--	--	2080 T	468 T	98300 JT
Tetrachlorobiphenyl homologs	pg/g	--	--	--	--	--	--	17900 T	943 JT	342000 JT
Pentachlorobiphenyl homologs	pg/g	--	--	--	--	--	--	52000 T	2140 JT	138000 T
Hexachlorobiphenyl homologs	pg/g	--	--	--	--	--	--	223000 T	1850 JT	140000 JT
Heptachlorobiphenyl homologs	pg/g	--	--	--	--	--	--	243000 T	954 JT	109000 T
Octachlorobiphenyl homologs	pg/g	--	--	--	--	--	--	67800 T	253 T	56700 JT
Nonachlorobiphenyl homologs	pg/g	--	--	--	--	--	--	3390 T	42.2 T	5620 T
<b>Pesticides</b>										
2,4'-DDD	ug/kg	0.067 J	0.406 J	0.0422 U	0.64 U	0.2 U	7 NJ	3.8 J	1.1 U	2.6
2,4'-DDE	ug/kg	0.039 U	0.0368 U	0.0449 U	0.22 U	0.081 U	0.23 U	1.2 U	0.14 U	0.87 U
2,4'-DDT	ug/kg	0.0516 UJ	0.0486 UJ	0.0593 UJ	0.97	0.68	6.9 J	2.5 U	1.5 J	1.8 U
4,4'-DDD	ug/kg	0.788 NJ	0.414 NJ	0.145 NJ	0.79 J	0.45	5	1.3 U	0.67 J	2.4
4,4'-DDE	ug/kg	0.198 NJ	0.299 NJ	0.243 NJ	1.4 J	0.84 J	4.5 NJ	0.86 NJ	1.4 J	2.1 J
4,4'-DDT	ug/kg	--	--	--	6.1	2.7 NJ	9.6	12 U	3.1 J	8.5

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
Total DDD	ug/kg	0.855 T	0.82 T	0.145 T	0.79 T	0.45 T	12 T	3.8 T	0.67 T	5 T
Total DDE	ug/kg	0.198 T	0.299 T	0.243 T	1.4 T	0.84 T	4.5 T	0.86 T	1.4 T	2.1 T
Total DDT	ug/kg	0.052 UT	0.049 UT	0.059 UT	7.07 T	3.38 T	16.5 T	12 UT	4.6 T	8.5 T
Total DDx	ug/kg	1.05 T	1.12 T	0.388 T	9.26 T	4.67 T	33 T	4.66 T	6.67 T	15.6 T
Aldrin	ug/kg	0.036 UJ	0.034 UJ	0.041 UJ	0.24 NJ	0.26	0.6 U	0.27 U	0.36 U	0.28 U
alpha-Endosulfan	ug/kg	0.0329 U	0.031 U	0.0378 U	0.2 U	0.16 U	0.19 U	0.33 U	0.2 U	0.2 U
alpha-Hexachlorocyclohexane	ug/kg	0.0382 U	0.036 U	0.0439 U	0.097 U	0.097 U	0.49 U	0.097 U	0.3 J	0.097 U
beta-Endosulfan	ug/kg	0.0275 U	0.0259 U	0.0316 U	0.13 U	0.094 U	1.8 U	0.62 U	0.2 U	0.4 U
beta-Hexachlorocyclohexane	ug/kg	1.87 J	0.43 J	0.195	0.14 U	0.21	0.7 U	0.46 U	0.2 U	0.19 U
cis-Chlordane	ug/kg	0.082 U	0.0358 U	0.0437 U	0.031 U	0.031 U	0.16 U	0.38 J	0.05 U	0.19 U
cis-Nonachlor	ug/kg	0.0476 UJ	0.0448 UJ	0.0547 UJ	0.72 U	1.4 U	4.1 U	8.3 U	0.41 U	1.8 U
delta-Hexachlorocyclohexane	ug/kg	0.0817 UJ	0.0769 UJ	0.0938 UJ	0.12 J	0.11 U	0.55 U	0.93 U	0.11 U	0.22 U
Dieldrin	ug/kg	0.0585 U	0.0551 U	0.0672 U	0.28 U	0.23 U	0.7 U	0.19 U	0.2 U	0.2 U
Endosulfan sulfate	ug/kg	0.0844 UJ	0.0795 UJ	0.097 UJ	0.058 U	0.058 U	0.29 U	0.22 U	0.2 U	0.2 U
Endrin	ug/kg	--	--	--	0.16 U	0.071 U	0.7 U	1.8 U	0.2 U	0.2 U
Endrin aldehyde	ug/kg	0.0499 U	0.147 NJ	0.0574 U	0.31 U	0.26 U	0.94 U	1.4 U	0.13 U	0.73 U
Endrin ketone	ug/kg	0.0336 U	0.0316 U	0.0386 U	0.74 U	0.22 U	8.5 NJ	1.9 U	0.36 U	1.6 U
gamma-Hexachlorocyclohexane	ug/kg	0.0872 U	0.0822 U	0.1 U	0.17 U	0.062 U	0.31 U	0.062 U	0.17 NJ	0.2 U
Heptachlor	ug/kg	0.0348 UJ	0.0327 UJ	0.0399 UJ	0.52 NJ	0.076 U	0.7 U	0.17 J	0.16 J	0.092 NJ
Heptachlor epoxide	ug/kg	0.0453 U	0.0427 U	0.0521 U	0.24 U	0.16 U	0.96 U	0.38 U	0.2 U	0.31 U
Methoxychlor	ug/kg	0.0452 UJ	0.0426 UJ	0.0519 UJ	0.46 U	0.28 U	1.9 U	0.88 U	0.22 U	1.1 U
Mirex	ug/kg	0.041 U	0.0387 U	0.0472 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Oxychlordane	ug/kg	0.0206 U	0.0194 U	0.0237 U	0.2 U	0.36 U	0.23 U	0.2 U	0.38 U	0.061 U
Total Chlordanes	ug/kg	0.167 UT	0.113 UT	0.078 UT	0.72 UT	1.4 UT	4.1 JT	4.2 JT	0.062 JT	1.8 UT
Total Endosulfans	ug/kg	0.0844 UJT	0.0795 UJT	0.097 UJT	0.2 UT	0.16 UT	1.8 UT	0.62 UT	0.2 UT	0.4 UT
Toxaphene	ug/kg	10.7 U	10.1 U	12.3 U	39 U	36 U	130 U	110 U	24 U	93 U
trans-Chlordane	ug/kg	0.167 U	0.113 U	0.078 U	0.17 U	0.092 U	3.9 J	3.8 NJ	0.26 U	0.85 U
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	0.986 JT	0.713 JT	0.388 JT	--	--	--	--	--	--
trans-Nonachlor	ug/kg	0.0415 U	0.0391 U	0.0477 U	0.087 U	0.2 U	0.2 J	0.29 U	0.062 J	0.057 U
<b>Petroleum</b>										
Gasoline Range Hydrocarbons	mg/kg	--	--	--	--	--	--	--	--	--
Diesel Range Hydrocarbons	mg/kg	--	--	--	130 J	38 J	215 JT	--	--	--
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	130 J	32 J	190 JT	--	--	--
Residual Range Hydrocarbons	mg/kg	--	--	--	360 J	210 J	575 JT	--	--	--
Residual Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	280 J	120 J	485 JT	--	--	--
Total Petroleum Hydrocarbons	mg/kg	--	--	--	490 JA	248 JA	790 JA	--	--	--
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	--	--	--	410 JA	152 JA	675 JA	--	--	--
<b>Phenols</b>										
2,3,4,5-Tetrachlorophenol	ug/kg	0.91 U	4.6 U	0.86 U	0.35 U	0.33 U	0.29 U	0.3 U	0.41 U	0.31 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	0.56 U	2.9 U	0.53 U	--	--	--	--	--	--
2,3,5,6-Tetrachlorophenol	ug/kg	--	--	--	0.29 U	0.27 U	0.24 U	0.78 J	0.33 U	0.25 U
2,4,5-Trichlorophenol	ug/kg	0.46 U	2.3 U	0.43 U	0.91 U	0.86 U	0.76 U	0.78 U	1.1 U	0.81 U
2,4,6-Trichlorophenol	ug/kg	2.1 J	2.9 U	0.53 U	0.19 U	0.18 U	0.16 U	0.16 U	0.22 UJ	0.17 UJ
2,4-Dichlorophenol	ug/kg	2.8 U	2.9 U	2.7 U	5 U	1 U	50 U	5 U	1 U	--
2,4-Dimethylphenol	ug/kg	8.6 U	8.7 U	8.1 U	28 UJ	5.5 UJ	280 UJ	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
2,4-Dinitrophenol	ug/kg	56 U	57 U	53 U	85 U	17 U	--	85 U	17 U	--
2-Chlorophenol	ug/kg	2.7 U	2.7 U	2.5 U	10 U	2 U	100 U	10 U	2 U	--
2-Methylphenol	ug/kg	5.3 U	5.4 U	5 U	7.5 U	1.5 U	75 U	7.5 U	1.5 U	--
2-Nitrophenol	ug/kg	4.1 U	4.1 U	3.9 U	7.5 U	1.5 U	75 U	7.5 U	1.5 U	--
3,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
3,5-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	2.7 U	2.7 U	2.5 U	7 U	1.4 U	70 U	7 U	1.4 U	--
4-Chloro-3-methylphenol	ug/kg	3.3 U	3.3 U	3.1 U	7 U	1.4 U	70 U	7 U	1.4 U	--
4-Methylphenol	ug/kg	38	4.6 U	4.3 U	13 J	6.8 J	75 U	7.5 U	1.5 U	--
4-Nitrophenol	ug/kg	47 U	47 U	45 U	90 U	18 U	900 U	90 U	18 U	--
Pentachlorophenol	ug/kg	12	3.1 U	0.58 U	0.27 U	0.26 U	3.3 U	3.2 NJ	20	0.24 U
Phenol	ug/kg	7.7 U	7.8 U	7.2 U	21 J	3.2 J	100 U	10 U	20 U	--
<b>Phthalates</b>										
Bis(2-ethylhexyl) phthalate	ug/kg	5 J	5.3 J	2100	200 U	120 U	560 UJ	390 J	65	18000
Butylbenzyl phthalate	ug/kg	2.9 J	2.4 U	2.3 U	18 J	5.8 J	160 U	510 J	4.9 J	32
Dibutyl phthalate	ug/kg	5.1 J	4.1 U	9.7 J	40 U	12	400 U	40 U	13	15
Diethyl phthalate	ug/kg	5.5 U	5.5 U	5.2 U	6.5 U	2.4 J	65 U	6.5 U	1.8 J	1.3 U
Dimethyl phthalate	ug/kg	2.8 U	2.9 U	2.7 U	5 U	1 U	50 U	5 U	1 U	1 U
Di-n-octyl phthalate	ug/kg	1.9 U	1.9 U	1.8 U	8.5 U	1.7 U	85 U	8.5 U	1.7 U	1.7 U
<b>SVOCs</b>										
1,2,4-Trichlorobenzene	ug/kg	2.4 U	2.4 U	2.3 U	13 U	2.6 U	130 U	13 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.1 U	2.1 U	2 U	15 U	2.9 U	150 U	15 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	2.5 U	2.6 U	2.4 U	15 U	3 U	150 U	15 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	3 U	3 U	2.8 U	15 U	18	150 U	15 U	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	4.4 U	4.4 U	4.2 U	7.5 U	1.5 U	75 U	7.5 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	4.4 U	4.4 U	4.2 U	10 U	2 U	100 U	10 U	2 U	2 U
2-Chloronaphthalene	ug/kg	5.6 U	5.7 U	5.3 U	8 U	1.6 U	80 U	8 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	4.2 U	4.3 U	4 U	16 U	3.2 U	160 U	16 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	5.8 U	5.8 U	5.5 U	19 U	3.7 U	190 U	19 U	--	--
3-Nitroaniline	ug/kg	4.1 U	4.1 U	3.9 U	13 U	2.5 U	130 U	13 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	2.2 U	2.2 U	2.1 U	8 U	1.6 U	80 U	8 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	3.3 U	3.3 U	3.1 U	9.5 U	1.9 U	95 U	9.5 U	--	--
4-Chlorophenyl phenyl ether	ug/kg	3.2 U	3.2 U	3 U	7 U	1.4 U	70 U	7 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	5.3 U	5.4 U	5 U	9 U	1.8 U	90 U	9 U	1.8 U	1.8 U
Aniline	ug/kg	2.4 U	2.4 U	2.3 U	7.5 U	1.5 U	--	7.5 U	--	--
Azobenzene	ug/kg	3.8 U	3.8 U	3.6 U	5.5 U	1.1 U	55 U	5.5 U	1.1 U	1.1 U
Benzoic acid	ug/kg	150 U	160 U	150 U	480 U	96 U	4800 U	480 U	96 U	--
Benzyl alcohol	ug/kg	5.8 U	5.8 U	5.5 U	11 U	4.3 J	110 U	11 U	5.3 J	3 J
Bis(2-chloroethoxy) methane	ug/kg	2.1 U	2.1 U	2 U	7.5 U	1.5 U	75 U	7.5 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	3.8 U	3.8 U	3.6 U	9.5 U	1.9 U	95 U	9.5 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	1.9 U	1.9 U	1.8 U	13 U	2.6 U	130 U	13 U	2.6 U	2.6 U
Carbazole	ug/kg	2.1 U	2.1 U	2 U	6.5 U	2.7 J	65 U	6.9 J	2.5 J	2 J
Dibenzofuran	ug/kg	0.4 U	0.27 U	0.25 U	3.8	1.2 J	13	1.1 J	3.8 J	1.4 J
Hexachlorobenzene	ug/kg	0.869 J	0.318 J	0.584 J	6 U	1.3	0.34 U	0.32 UJ	0.096 J	0.19 J
Hexachlorobutadiene	ug/kg	0.0395 U	0.0372 U	0.0454 U	0.14 U	0.14 U	0.43 U	0.22 U	0.16 U	0.14 U

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
Hexachlorocyclopentadiene	ug/kg	24 U	24 U	23 U	150 U	29 U	--	150 U	29 U	29 U
Hexachloroethane	ug/kg	0.0584 U	0.0549 U	0.067 U	0.16 U	0.16 U	0.16 U	0.16 U	0.27 U	0.16 U
Isophorone	ug/kg	2.5 U	2.6 U	2.4 U	5 U	1 U	50 U	5 U	1 U	1 U
Nitrobenzene	ug/kg	3.2 U	3.2 U	3 U	11 U	2.2 U	110 U	11 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	9.5 U	9.6 U	9 U	31 U	6.1 U	310 U	31 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	3.5 U	3.5 U	3.3 U	8.5 J	1.8 J	80 U	8 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	5 U	5.1 U	4.8 U	12 U	2.4 U	120 U	12 U	2.4 U	2.4 U
<b>VOCs</b>										
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--
1,4-Dichloro-trans-2-butene	ug/kg	--	--	--	--	--	--	--	--	--
2-Chloroethyl vinyl ether	ug/kg	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
Chlorodibromomethane	ug/kg	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--
Chloromethane	ug/kg	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
Ethylene dibromide	ug/kg	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
Methyl iodide	ug/kg	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--
Methyl n-butyl ketone	ug/kg	--	--	--	--	--	--	--	--	--
Methylene bromide	ug/kg	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	ug/kg	--	--	--	--	--	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW2-U1C-1 15.4 MidRv 0 - 25	LW2-U1C-2 15.4 MidRv 0 - 28	LW2-U1C-3 15.4 MidRv 0 - 25.5	LW3-G780 12.1 West 0 - 30	LW3-G781 12.1 West 0 - 30	LW3-G783 12.2 West 0 - 26	LW3-GCA12E-C00-R* 12.1 East 0 - 28	LW3-GCR12W 12 West 0 - 12	LW3-GCRSP12E 12.1 East 0 - 12
m,p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	ug/kg	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--
Xylene	ug/kg	--	--	--	--	--	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.



**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
<b>PCB Aroclors</b>					
Aroclor 1016	ug/kg	3.1 U	2.6 U	3.4 U	10 U
Aroclor 1221	ug/kg	3.1 U	2.6 U	3.4 U	3.1 U
Aroclor 1232	ug/kg	3.1 U	2.6 U	3.4 U	10 U
Aroclor 1242	ug/kg	3.1 U	2.6 U	3.4 U	10 U
Aroclor 1248	ug/kg	3.1 U	2.6 U	3.4 U	3.1 U
Aroclor 1254	ug/kg	5.3 J	2.6 U	69	32
Aroclor 1260	ug/kg	4.7 J	2.6 U	84	35
Aroclor 1262	ug/kg	3.1 U	2.6 U	3.4 U	10 U
Aroclor 1268	ug/kg	3.1 U	2.6 U	37	3.1 U
Total Aroclors	ug/kg	10 JT	2.6 UT	190 T	67 T
<b>Butyltins</b>					
Butyltin ion	ug/kg	--	--	--	--
Dibutyltin ion	ug/kg	--	--	--	--
Tetrabutyltin	ug/kg	--	--	--	--
Tributyltin ion	ug/kg	--	--	--	--
Total Butyltins	ug/kg	--	--	--	--
<b>Conventionals</b>					
Ammonia	mg/kg	--	--	--	--
Specific Gravity	NA	1.59	1.71	1.38	1.46
Sulfide	mg/kg	--	--	--	--
Total organic carbon	percent	1.01	0.26	2.79	1.31
Total solids	percent	55.9	65.4	50.5	56.4 T
<b>Dioxin/Furan Homologs</b>					
Heptachlorodibenzofuran homologs	pg/g	--	--	--	--
Heptachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--
Hexachlorodibenzofuran homologs	pg/g	--	--	--	--
Hexachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--
Octachlorodibenzofuran	pg/g	--	--	--	--
Octachlorodibenzo-p-dioxin	pg/g	--	--	--	--
Pentachlorodibenzofuran homologs	pg/g	--	--	--	--
Pentachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--
Tetrachlorodibenzofuran homologs	pg/g	--	--	--	--
Tetrachlorodibenzo-p-dioxin homologs	pg/g	--	--	--	--
Total PCDD/F	pg/g	--	--	--	--
<b>Dioxins/Furans</b>					
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05	LW3-UG06	LW3-UG07	LW3-UG08
		12 West 0 - 27	12 West 0 - 23	12.1 West 0 - 25	12.1 West 0 - 27
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	pg/g	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	--	--	--	--
Dioxin/furan TCDD toxicity equivalent	pg/g	--	--	--	--
<b>Grainsize</b>					
Medium gravel	percent	0.17	0	0	0.1
Fine gravel	percent	0.9	0.17	0.59	0.19
Very coarse sand	percent	0.72	0.41	0.84	0.35
Coarse sand	percent	1.35	1.07	1.66	0.87
Medium sand	percent	11.7	37.8	12.1	10.6
Fines	percent	25 T	5.69 T	57 T	25.2 T
Fine sand	percent	41.3	42.9	18.8	42.9
Very fine sand	percent	18	11.1	8.24	19.8
Coarse silt	percent	6.08	1.55	8.11	6.39
Medium silt	percent	4.9	0.83	14.6	6.23
Fine silt	percent	3.99	0.77	9.34	3.14
Very fine silt	percent	3.46	0.79	8.44	3.42
8-9 Phi clay	percent	2.6	0.68	5.46	2.25
>9 Phi clay	percent	3.95	1.07	11	3.73
<b>Metals</b>					
Aluminum	mg/kg	23800	12800	32200	27000
Antimony	mg/kg	0.23 J	0.18 J	0.41 J	0.25 J
Arsenic	mg/kg	4.09 J	2.55 J	4.87	3.92
Cadmium	mg/kg	0.2	0.08	0.99	0.31
Chromium	mg/kg	36.3	19.9	40.7	42.7
Copper	mg/kg	33.7	18.3	70.5	36.4
Lead	mg/kg	48.1	8.93	85.7	37
Manganese	mg/kg	--	--	--	--
Mercury	mg/kg	0.133	0.041	1.28 J	0.149 J
Nickel	mg/kg	30.1	19	27.6	28.6
Selenium	mg/kg	0.12	0.03 J	0.18 U	0.21
Silver	mg/kg	0.211	0.115	4.85	0.62
Thallium	mg/kg	--	--	--	--
Zinc	mg/kg	103	69.5	419	172
<b>PAHs</b>					
C1-Dibenzothiophene	ug/kg	--	--	--	--
C1-Chrysene	ug/kg	--	--	--	--
C1-Fluoranthene/pyrene	ug/kg	--	--	--	--
C1-Fluorene	ug/kg	--	--	--	--
C1-Phenanthrene/anthracene	ug/kg	--	--	--	--
C2-Dibenzothiophene	ug/kg	--	--	--	--
C2-Chrysene	ug/kg	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05	LW3-UG06	LW3-UG07	LW3-UG08
		12 West 0 - 27	12 West 0 - 23	12.1 West 0 - 25	12.1 West 0 - 27
C2-Fluoranthene/pyrene	ug/kg	--	--	--	--
C2-Fluorene	ug/kg	--	--	--	--
C2-Naphthalene	ug/kg	--	--	--	--
C2-Phenanthrene/anthracene	ug/kg	--	--	--	--
C3-Dibenzothiophene	ug/kg	--	--	--	--
C3-Chrysene	ug/kg	--	--	--	--
C3-Fluoranthene/pyrene	ug/kg	--	--	--	--
C3-Fluorene	ug/kg	--	--	--	--
C3-Naphthalene	ug/kg	--	--	--	--
C3-Phenanthrene/anthracene	ug/kg	--	--	--	--
C4-Chrysene	ug/kg	--	--	--	--
C4-Naphthalene	ug/kg	--	--	--	--
C4-Phenanthrene/anthracene	ug/kg	--	--	--	--
1-Methylnaphthalene	ug/kg	--	--	--	--
2-Methylnaphthalene	ug/kg	11	2.5 U	76	25
Acenaphthene	ug/kg	25	5.7	200	68
Acenaphthylene	ug/kg	13	1.8 U	46	11
Anthracene	ug/kg	24	6.8	65	36
Benzo(a)anthracene	ug/kg	56	15	120	120
Benzo(a)pyrene	ug/kg	67	16	150	180
Benzo(b)fluoranthene	ug/kg	46	12	130	130
Benzo(e)pyrene	ug/kg	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	42	6.4	140	170
Benzo(k)fluoranthene	ug/kg	47	10	97	98
Chrysene	ug/kg	63	17	190	150
Dibenzo(a,h)anthracene	ug/kg	6.4	1.7 U	17	18
Dibenzothiophene	ug/kg	--	--	--	--
Fluoranthene	ug/kg	130	39	540	250
Fluorene	ug/kg	16	4.1	100	47
Indeno(1,2,3-cd)pyrene	ug/kg	40	8.6	110	150
Naphthalene	ug/kg	27	0.62 U	200	52
Perylene	ug/kg	--	--	--	--
Phenanthrene	ug/kg	89	30	490	260
Pyrene	ug/kg	170	38	680	330
Total HPAHs	ug/kg	670 T	160 T	2200 T	1600 T
Total LPAHs	ug/kg	210 T	47 T	1200 T	500 T
Total PAHs	ug/kg	870 T	210 T	3400 T	2100 T
<b>PCB Congeners</b>					
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	--	--	--	--
PCB001	pg/g	--	--	--	--
PCB002	pg/g	--	--	--	--
PCB003	pg/g	--	--	--	--
PCB004 & 010	pg/g	--	--	--	--
PCB005 & 008	pg/g	--	--	--	--
PCB006	pg/g	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
PCB007 & 009	pg/g	--	--	--	--
PCB011	pg/g	--	--	--	--
PCB012 & 013	pg/g	--	--	--	--
PCB014	pg/g	--	--	--	--
PCB015	pg/g	--	--	--	--
PCB016 & 032	pg/g	--	--	--	--
PCB017	pg/g	--	--	--	--
PCB018	pg/g	--	--	--	--
PCB019	pg/g	--	--	--	--
PCB020 & 021 & 033	pg/g	--	--	--	--
PCB022	pg/g	--	--	--	--
PCB023	pg/g	--	--	--	--
PCB024 & 027	pg/g	--	--	--	--
PCB025	pg/g	--	--	--	--
PCB026	pg/g	--	--	--	--
PCB028	pg/g	--	--	--	--
PCB029	pg/g	--	--	--	--
PCB030	pg/g	--	--	--	--
PCB031	pg/g	--	--	--	--
PCB034	pg/g	--	--	--	--
PCB035	pg/g	--	--	--	--
PCB036	pg/g	--	--	--	--
PCB037	pg/g	--	--	--	--
PCB038	pg/g	--	--	--	--
PCB039	pg/g	--	--	--	--
PCB040	pg/g	--	--	--	--
PCB041 & 064 & 071 & 072	pg/g	--	--	--	--
PCB042 & 059	pg/g	--	--	--	--
PCB043 & 049	pg/g	--	--	--	--
PCB044	pg/g	--	--	--	--
PCB045	pg/g	--	--	--	--
PCB046	pg/g	--	--	--	--
PCB047	pg/g	--	--	--	--
PCB048 & 075	pg/g	--	--	--	--
PCB050	pg/g	--	--	--	--
PCB051	pg/g	--	--	--	--
PCB052 & 069	pg/g	--	--	--	--
PCB053	pg/g	--	--	--	--
PCB054	pg/g	--	--	--	--
PCB055	pg/g	--	--	--	--
PCB056 & 060	pg/g	--	--	--	--
PCB057	pg/g	--	--	--	--
PCB058	pg/g	--	--	--	--
PCB061 & 070	pg/g	--	--	--	--
PCB062	pg/g	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
PCB063	pg/g	--	--	--	--
PCB065	pg/g	--	--	--	--
PCB066 & 076	pg/g	--	--	--	--
PCB067	pg/g	--	--	--	--
PCB068	pg/g	--	--	--	--
PCB073	pg/g	--	--	--	--
PCB074	pg/g	--	--	--	--
PCB077	pg/g	--	--	--	--
PCB078	pg/g	--	--	--	--
PCB079	pg/g	--	--	--	--
PCB080	pg/g	--	--	--	--
PCB081	pg/g	--	--	--	--
PCB082	pg/g	--	--	--	--
PCB083	pg/g	--	--	--	--
PCB084 & 092	pg/g	--	--	--	--
PCB085 & 116	pg/g	--	--	--	--
PCB086	pg/g	--	--	--	--
PCB087 & 117 & 125	pg/g	--	--	--	--
PCB088 & 091	pg/g	--	--	--	--
PCB089	pg/g	--	--	--	--
PCB090 & 101	pg/g	--	--	--	--
PCB093	pg/g	--	--	--	--
PCB094	pg/g	--	--	--	--
PCB095 & 098 & 102	pg/g	--	--	--	--
PCB096	pg/g	--	--	--	--
PCB097	pg/g	--	--	--	--
PCB099	pg/g	--	--	--	--
PCB100	pg/g	--	--	--	--
PCB103	pg/g	--	--	--	--
PCB104	pg/g	--	--	--	--
PCB105	pg/g	--	--	--	--
PCB106 & 118	pg/g	--	--	--	--
PCB107 & 109	pg/g	--	--	--	--
PCB108 & 112	pg/g	--	--	--	--
PCB110	pg/g	--	--	--	--
PCB111 & 115	pg/g	--	--	--	--
PCB113	pg/g	--	--	--	--
PCB114	pg/g	--	--	--	--
PCB119	pg/g	--	--	--	--
PCB120	pg/g	--	--	--	--
PCB121	pg/g	--	--	--	--
PCB122	pg/g	--	--	--	--
PCB123	pg/g	--	--	--	--
PCB124	pg/g	--	--	--	--
PCB126	pg/g	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
PCB127	pg/g	--	--	--	--
PCB128 & 162	pg/g	--	--	--	--
PCB129	pg/g	--	--	--	--
PCB130	pg/g	--	--	--	--
PCB131	pg/g	--	--	--	--
PCB132 & 161	pg/g	--	--	--	--
PCB133 & 142	pg/g	--	--	--	--
PCB134 & 143	pg/g	--	--	--	--
PCB135	pg/g	--	--	--	--
PCB136	pg/g	--	--	--	--
PCB137	pg/g	--	--	--	--
PCB138 & 163 & 164	pg/g	--	--	--	--
PCB139 & 149	pg/g	--	--	--	--
PCB140	pg/g	--	--	--	--
PCB141	pg/g	--	--	--	--
PCB144	pg/g	--	--	--	--
PCB145	pg/g	--	--	--	--
PCB146 & 165	pg/g	--	--	--	--
PCB147	pg/g	--	--	--	--
PCB148	pg/g	--	--	--	--
PCB150	pg/g	--	--	--	--
PCB151	pg/g	--	--	--	--
PCB152	pg/g	--	--	--	--
PCB153	pg/g	--	--	--	--
PCB154	pg/g	--	--	--	--
PCB155	pg/g	--	--	--	--
PCB156	pg/g	--	--	--	--
PCB157	pg/g	--	--	--	--
PCB158 & 160	pg/g	--	--	--	--
PCB159	pg/g	--	--	--	--
PCB166	pg/g	--	--	--	--
PCB167	pg/g	--	--	--	--
PCB168	pg/g	--	--	--	--
PCB169	pg/g	--	--	--	--
PCB170	pg/g	--	--	--	--
PCB171	pg/g	--	--	--	--
PCB172	pg/g	--	--	--	--
PCB173	pg/g	--	--	--	--
PCB174	pg/g	--	--	--	--
PCB175	pg/g	--	--	--	--
PCB176	pg/g	--	--	--	--
PCB177	pg/g	--	--	--	--
PCB178	pg/g	--	--	--	--
PCB179	pg/g	--	--	--	--
PCB180	pg/g	--	--	--	--

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
PCB181	pg/g	--	--	--	--
PCB182 & 187	pg/g	--	--	--	--
PCB183	pg/g	--	--	--	--
PCB184	pg/g	--	--	--	--
PCB185	pg/g	--	--	--	--
PCB186	pg/g	--	--	--	--
PCB188	pg/g	--	--	--	--
PCB189	pg/g	--	--	--	--
PCB190	pg/g	--	--	--	--
PCB191	pg/g	--	--	--	--
PCB192	pg/g	--	--	--	--
PCB193	pg/g	--	--	--	--
PCB194	pg/g	--	--	--	--
PCB195	pg/g	--	--	--	--
PCB196 & 203	pg/g	--	--	--	--
PCB197	pg/g	--	--	--	--
PCB198	pg/g	--	--	--	--
PCB199	pg/g	--	--	--	--
PCB200	pg/g	--	--	--	--
PCB201	pg/g	--	--	--	--
PCB202	pg/g	--	--	--	--
PCB204	pg/g	--	--	--	--
PCB205	pg/g	--	--	--	--
PCB206	pg/g	--	--	--	--
PCB207	pg/g	--	--	--	--
PCB208	pg/g	--	--	--	--
PCB209	pg/g	--	--	--	--
Total PCB Congeners	pg/g	--	--	--	--
<b>PCB Homologs</b>					
Monochlorobiphenyl homologs	pg/g	--	--	--	--
Dichlorobiphenyl homologs	pg/g	--	--	--	--
Trichlorobiphenyl homologs	pg/g	--	--	--	--
Tetrachlorobiphenyl homologs	pg/g	--	--	--	--
Pentachlorobiphenyl homologs	pg/g	--	--	--	--
Hexachlorobiphenyl homologs	pg/g	--	--	--	--
Heptachlorobiphenyl homologs	pg/g	--	--	--	--
Octachlorobiphenyl homologs	pg/g	--	--	--	--
Nonachlorobiphenyl homologs	pg/g	--	--	--	--
<b>Pesticides</b>					
2,4'-DDD	ug/kg	0.85 J	0.33 U	3.3 NJ	1.6 J
2,4'-DDE	ug/kg	0.42 U	0.56 U	1 U	1 U
2,4'-DDT	ug/kg	0.38 J	1 U	4.1 J	2.2 NJ
4,4'-DDD	ug/kg	0.82 J	0.56 J	0.79 J	0.58 J
4,4'-DDE	ug/kg	0.54 J	1 U	1.9 NJ	1.6 J
4,4'-DDT	ug/kg	0.56 J	1 U	5.7 NJ	2.3

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05	LW3-UG06	LW3-UG07	LW3-UG08
		12 West 0 - 27	12 West 0 - 23	12.1 West 0 - 25	12.1 West 0 - 27
Total DDD	ug/kg	1.67 T	0.56 T	4.09 T	2.18 T
Total DDE	ug/kg	0.54 T	1 UT	1.9 T	1.6 T
Total DDT	ug/kg	0.94 T	1 UT	9.8 T	4.5 T
Total DDx	ug/kg	3.15 T	0.56 T	15.8 T	8.28 T
Aldrin	ug/kg	0.62 NJ	0.23 U	0.3 U	0.7 NJ
alpha-Endosulfan	ug/kg	0.31 U	0.26 U	0.39 U	0.31 U
alpha-Hexachlorocyclohexane	ug/kg	0.47 U	0.4 U	0.52 U	0.47 U
beta-Endosulfan	ug/kg	0.34 U	0.3 U	0.38 U	0.34 U
beta-Hexachlorocyclohexane	ug/kg	0.81 J	0.46 U	0.6 U	0.54 U
cis-Chlordane	ug/kg	0.42 U	0.36 U	0.83 U	0.44 U
cis-Nonachlor	ug/kg	0.27 U	0.31 U	1 U	1 U
delta-Hexachlorocyclohexane	ug/kg	0.099 U	0.085 U	0.55 U	0.098 U
Dieldrin	ug/kg	0.52 U	0.45 U	0.58 U	0.52 U
Endosulfan sulfate	ug/kg	0.15 U	0.13 U	0.16 U	1 U
Endrin	ug/kg	0.36 U	1 U	0.4 U	0.36 U
Endrin aldehyde	ug/kg	0.28 J	0.082 U	1 U	0.094 U
Endrin ketone	ug/kg	0.16 U	0.13 U	1.6 J	0.88 U
gamma-Hexachlorocyclohexane	ug/kg	0.27 U	0.23 U	1.2	0.39 J
Heptachlor	ug/kg	0.15 U	0.18 U	0.16 U	0.15 U
Heptachlor epoxide	ug/kg	1 U	0.2 U	0.45 U	0.45 NJ
Methoxychlor	ug/kg	0.38 U	1 U	1 U	0.18 U
Mirex	ug/kg	0.18 U	0.16 U	0.2 U	0.18 U
Oxychlordane	ug/kg	0.67 U	0.57 U	0.74 U	0.66 U
Total Chlordanes	ug/kg	0.21 JT	0.39 JT	1.9 UT	1 UT
Total Endosulfans	ug/kg	--	--	--	--
Toxaphene	ug/kg	19 U	50 U	90 U	56 U
trans-Chlordane	ug/kg	0.21 J	0.39 J	1.9 U	0.3 U
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	1.9 JT	0.56 JT	8.4 JT	4.5 JT
trans-Nonachlor	ug/kg	0.16 U	0.14 U	0.18 U	0.16 U
<b>Petroleum</b>					
Gasoline Range Hydrocarbons	mg/kg	1.4 J	0.91 U	55 J	1.2 J
Diesel Range Hydrocarbons	mg/kg	41 J	6.4 J	510 J	85 J
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--
Residual Range Hydrocarbons	mg/kg	240 J	50 J	1800 J	430 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--
Total Petroleum Hydrocarbons	mg/kg	280 JT	56 JT	2400 JT	520 JT
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--
<b>Phenols</b>					
2,3,4,5-Tetrachlorophenol	ug/kg	1.2 U	0.95 U	13 U	5.5 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	--	--	--	--
2,3,5,6-Tetrachlorophenol	ug/kg	0.54 U	0.46 U	6 U	2.7 U
2,4,5-Trichlorophenol	ug/kg	0.99 U	0.85 U	11 U	4.9 U
2,4,6-Trichlorophenol	ug/kg	0.7 U	0.6 U	7.8 U	3.5 U
2,4-Dichlorophenol	ug/kg	3.3 U	2.8 U	3.6 U	3.2 U
2,4-Dimethylphenol	ug/kg	9.9 U	8.5 U	11 U	9.8 U

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.



**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
2,4-Dinitrophenol	ug/kg	65 U	56 U	72 U	64 U
2-Chlorophenol	ug/kg	3.1 U	2.6 U	3.4 U	3.1 U
2-Methylphenol	ug/kg	6.1 U	5.2 U	6.8 U	6.1 U
2-Nitrophenol	ug/kg	4.7 U	4 U	5.2 U	4.7 U
3,4-Dichlorophenol	ug/kg	17 U	0.88 U	--	--
3,5-Dichlorophenol	ug/kg	3.1 U	15 U	--	--
4,6-Dinitro-2-methylphenol	ug/kg	3.1 U	2.6 U	3.4 U	3.1 U
4-Chloro-3-methylphenol	ug/kg	3.8 U	3.3 U	4.2 U	3.8 U
4-Methylphenol	ug/kg	5.2 U	12	69	27
4-Nitrophenol	ug/kg	54 U	46 U	60 U	54 U
Pentachlorophenol	ug/kg	0.26 U	0.22 U	4.1 J	1.3 U
Phenol	ug/kg	3.4 U	6.8 U	21 U	11 U
<b>Phthalates</b>					
Bis(2-ethylhexyl) phthalate	ug/kg	18 U	77	78	190
Butylbenzyl phthalate	ug/kg	2.7 U	4.6 U	3 U	15 U
Dibutyl phthalate	ug/kg	4.7 U	8.8 J	34	23
Diethyl phthalate	ug/kg	6.3 U	5.4 U	7 U	6.3 U
Dimethyl phthalate	ug/kg	3.3 U	2.8 U	3.6 U	3.2 U
Di-n-octyl phthalate	ug/kg	2.2 U	1.9 U	2.4 U	2.2 U
<b>SVOCs</b>					
1,2,4-Trichlorobenzene	ug/kg	2.7 U	2.3 U	3 U	2.7 U
1,2-Dichlorobenzene	ug/kg	2.4 U	2 U	2.6 U	2.4 U
1,3-Dichlorobenzene	ug/kg	2.9 U	2.5 U	3.2 U	2.9 U
1,4-Dichlorobenzene	ug/kg	0.34 UJ	0.3 U	22	7.4 J
2,4-Dinitrotoluene	ug/kg	5.1 U	4.3 U	5.6 U	5 U
2,6-Dinitrotoluene	ug/kg	5.1 U	4.3 U	5.6 U	5 U
2-Chloronaphthalene	ug/kg	6.5 U	5.6 U	20	6.4 U
2-Nitroaniline	ug/kg	4.9 U	4.2 U	5.4 U	4.8 U
3,3'-Dichlorobenzidine	ug/kg	6.7 U	5.7 U	7.4 U	6.6 U
3-Nitroaniline	ug/kg	4.7 U	4 U	5.2 U	4.7 U
4-Bromophenyl phenyl ether	ug/kg	2.6 U	2.2 U	2.8 U	2.5 U
4-Chloroaniline	ug/kg	3.8 U	3.3 U	4.2 U	3.8 U
4-Chlorophenyl phenyl ether	ug/kg	3.6 U	3.1 U	4 U	3.6 U
4-Nitroaniline	ug/kg	6.1 U	5.2 U	6.8 U	6.1 U
Aniline	ug/kg	2.7 U	2.3 U	3 U	2.7 U
Azobenzene	ug/kg	4.3 U	3.7 U	4.8 U	4.3 U
Benzoic acid	ug/kg	180 U	150 U	200 UJ	180 UJ
Benzyl alcohol	ug/kg	6.7 U	5.7 U	7.4 U	6.6 U
Bis(2-chloroethoxy) methane	ug/kg	2.4 U	2 U	2.6 U	2.4 U
Bis(2-chloroethyl) ether	ug/kg	4.3 U	3.7 U	4.8 U	4.3 U
Bis(2-chloroisopropyl) ether	ug/kg	2.2 U	1.9 U	2.4 U	2.2 U
Carbazole	ug/kg	2.4 U	2.6 J	2.6 U	2.4 U
Dibenzofuran	ug/kg	5.9	1.5 J	51	15
Hexachlorobenzene	ug/kg	1 U	0.13 U	0.2 U	0.15 U
Hexachlorobutadiene	ug/kg	0.88 U	0.75 U	0.98 U	0.87 U

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
Hexachlorocyclopentadiene	ug/kg	27 U	23 U	30 U	27 U
Hexachloroethane	ug/kg	0.29 U	0.29 U	0.46 U	0.29 U
Isophorone	ug/kg	2.9 U	2.5 U	3.2 U	2.9 U
Nitrobenzene	ug/kg	3.6 U	3.1 U	4 U	3.6 U
N-Nitrosodimethylamine	ug/kg	11 U	9.4 U	13 U	11 U
N-Nitrosodiphenylamine	ug/kg	4 U	3.4 U	4.4 U	4 U
N-Nitrosodipropylamine	ug/kg	5.8 U	4.9 U	6.4 U	5.7 U
<b>VOCs</b>					
1,1,1,2-Tetrachloroethane	ug/kg	0.097 UJ	0.083 U	0.11 U	0.096 U
1,1,1-Trichloroethane	ug/kg	0.14 UJ	0.12 U	0.16 U	0.14 U
1,1,2,2-Tetrachloroethane	ug/kg	0.22 UJ	0.19 U	0.24 U	0.22 U
1,1,2-Trichloroethane	ug/kg	0.13 UJ	0.11 U	0.14 U	0.13 U
1,1-Dichloroethane	ug/kg	0.11 UJ	0.094 U	0.13 U	0.11 U
1,1-Dichloroethene	ug/kg	0.15 UJ	0.13 U	0.17 U	0.15 U
1,2,3-Trichloropropane	ug/kg	0.33 UJ	0.28 U	0.36 U	0.32 U
1,2-Dichloroethane	ug/kg	0.18 UJ	0.15 U	0.2 U	0.18 U
1,2-Dichloropropane	ug/kg	0.12 UJ	0.11 U	0.14 U	0.12 U
1,4-Dichloro-trans-2-butene	ug/kg	0.6 UJ	0.51 U	0.66 U	0.59 U
2-Chloroethyl vinyl ether	ug/kg	0.27 UJ	0.23 U	0.3 U	0.27 U
Acetone	ug/kg	11 UJ	9.1 U	12 U	11 U
Acrylonitrile	ug/kg	0.74 UJ	0.63 U	0.82 U	0.73 U
Benzene	ug/kg	0.079 UJ	0.068 U	0.15 J	0.079 U
Bromochloromethane	ug/kg	0.18 UJ	0.15 U	0.2 U	0.18 U
Bromodichloromethane	ug/kg	0.072 UJ	0.062 U	0.08 U	0.071 U
Bromoform	ug/kg	0.22 UJ	0.19 U	0.24 U	0.22 U
Bromomethane	ug/kg	0.51 UJ	0.43 U	0.56 U	0.5 U
Carbon disulfide	ug/kg	0.12 UJ	0.11 U	0.16 J	0.12 U
Carbon tetrachloride	ug/kg	0.09 UJ	0.077 U	0.1 U	0.089 U
Chlorobenzene	ug/kg	0.11 UJ	0.092 U	0.12 J	0.11 U
Chlorodibromomethane	ug/kg	0.18 UJ	0.16 U	0.2 U	0.18 U
Chloroethane	ug/kg	0.36 UJ	0.31 U	0.4 U	0.36 U
Chloroform	ug/kg	0.15 UJ	0.13 U	0.16 U	0.15 U
Chloromethane	ug/kg	0.14 UJ	0.12 U	0.15 U	0.14 U
cis-1,2-Dichloroethene	ug/kg	0.18 UJ	0.15 U	0.2 U	0.18 U
cis-1,3-Dichloropropene	ug/kg	0.12 UJ	0.095 U	0.13 U	0.11 U
Dichlorodifluoromethane	ug/kg	0.11 UJ	0.091 U	0.12 U	0.11 U
Ethylbenzene	ug/kg	0.092 UJ	0.078 U	0.11 U	0.091 U
Ethylene dibromide	ug/kg	0.11 UJ	0.094 U	0.13 U	0.11 U
Isopropylbenzene	ug/kg	0.16 UJ	0.13 U	0.17 U	0.16 U
Methyl iodide	ug/kg	0.6 UJ	0.51 U	0.66 U	0.59 U
Methyl isobutyl ketone	ug/kg	0.9 UJ	0.77 U	1 U	0.89 U
Methyl n-butyl ketone	ug/kg	6.3 UJ	5.4 U	7 U	6.3 U
Methylene bromide	ug/kg	0.13 UJ	0.11 U	0.14 U	0.13 U
Methylene chloride	ug/kg	2.1 UJ	1 U	3.7 U	0.76 U
Methyl tert-butyl ether	ug/kg	0.13 UJ	0.11 U	0.15 U	0.13 U

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-2b**  
**Analytical Results of Surface Sediment Samples - LWG Data**

Analytes	Location River Mile & Side Depth (cm) Units	LW3-UG05 12 West 0 - 27	LW3-UG06 12 West 0 - 23	LW3-UG07 12.1 West 0 - 25	LW3-UG08 12.1 West 0 - 27
m,p-Xylene	ug/kg	0.2 UJ	0.24 U	0.28 U	0.2 U
o-Xylene	ug/kg	0.11 UJ	0.088 U	0.12 U	0.11 U
Styrene	ug/kg	0.17 UJ	0.15 U	0.19 U	0.17 U
Tetrachloroethene	ug/kg	0.16 UJ	0.13 U	0.17 U	0.16 U
Toluene	ug/kg	0.13 UJ	0.11 U	0.23 U	0.13 U
trans-1,2-Dichloroethene	ug/kg	0.11 UJ	0.091 U	0.12 U	0.11 U
trans-1,3-Dichloropropene	ug/kg	0.12 UJ	0.1 U	0.13 U	0.12 U
Trichloroethene	ug/kg	0.15 UJ	0.13 U	0.17 U	0.15 U
Trichlorofluoromethane	ug/kg	0.63 UJ	0.54 U	0.7 U	0.63 U
Vinyl chloride	ug/kg	0.26 UJ	0.22 U	0.28 U	0.25 U
Xylene	ug/kg	0.2 UJT	0.24 UT	0.28 UT	0.2 UT

Note:

\*This sample is listed as LW3-GCA12E in the figures and Appendix M Data Files.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C001-B 12.3 West 0-68	DPSC-C002-B 13 West 30-85	DPSC-C003-E 13.2 West 257 - 372	DPSC-C004-B 13.3 West 30 - 209	DPSC-C005-D 13.4 West 221 - 372	DPSC-C006-D 13.4 West 169 - 378	DPSC-C007-C 14.1 West 88 - 210	DPSC-C008-B 14.1 West 30 - 130	DPSC-C009-B 14.2 West 30 - 182	DPSC-C010-B 14.4 West 30 - 90
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1221	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1232	ug/kg	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1242	ug/kg	1.6 U	7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1248	ug/kg	2 U	1 U	1 U	1 U	1 U	1 U	1 U	24	11	1 U
Aroclor 1254	ug/kg	2.5 U	130	1 U	34	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1260	ug/kg	2.2 U	34 U	1 U	30	20	20	21	38	8.6	12
Aroclor 1262	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1268	ug/kg	1 U	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Aroclors	ug/kg	2.5 UT	141 T	1 UT	64 T	20 T	20 T	21 T	62 T	19.6 T	12 T
<b>Butyltins</b>											
Butyltin ion	ug/kg	0.044 U	3.7	0.041 U	5.8	0.049 U	0.049 U	0.42 U	0.36 U	0.32 U	0.5 U
Dibutyltin ion	ug/kg	0.041 U	9.4	0.038 U	0.81 J	0.046 U	0.045 U	0.044 U	0.5 J	0.25 U	0.039 U
Tetrabutyltin	ug/kg	0.11 U	0.088 U	0.095 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.097 U	0.097 U
Tributyltin ion	ug/kg	0.081 U	7.3	0.076 U	23	0.091 U	0.09 U	0.088 U	1.4 J	0.48 U	0.078 U
Total Butyltins	ug/kg	0.11 UT	20.4 T	0.095 UT	29.6 T	0.12 UT	0.12 UT	0.42 UT	1.9 T	0.48 UT	0.5 UT
<b>Conventionals</b>											
Total organic carbon	percent	0.94	0.71	0.813 T	1.74	2.35	2.11	2.2	0.858 T	0.81	1.48
Total solids	percent	68.9	79.3 T	71.1 T	57.2	61.9	61.8	63.2	65.9 T	72	72.1
<b>Dioxin/Furan Homologs</b>											
Heptachlorodibenzofuran homologs	pg/g	0.425 J	40.6	1.11 J	62.5	113	174	790	52.9	15.8	23.5
Heptachlorodibenzo-p-dioxin homologs	pg/g	4.26 J	226	10.6	295	119	202	377	233	61.1	79.5
Hexachlorodibenzofuran homologs	pg/g	0.842 J	49.9	0.0254 U	42.9	60.8	87.8	166	41.2	8.9	14.5
Hexachlorodibenzo-p-dioxin homologs	pg/g	1.01 J	26.3	1.85 J	65.1	19.4	32.8	61	46.2	11.7	13.8
Octachlorodibenzofuran	pg/g	1.23 J	29.7	1.05 J	56.9	60.4	93.7	268	33	14.8	23.5
Octachlorodibenzo-p-dioxin	pg/g	14.3	1440	35.7	1500	777	1310	2700	1460	358	386
Pentachlorodibenzofuran homologs	pg/g	0.346 J	58.6	0.029 U	20.2	26.2	39.7	154	19.7	3.76 J	5.32 J
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.039 U	3.38 J	0.035 U	7.4 J	3.04 J	5.27 J	12.1	9.52	0.755 J	0.694 J
Tetrachlorodibenzofuran homologs	pg/g	3.78	15.1	0.0321 U	6.4	8.94	15.8	57.3	9.72	2.63	3.73
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.0432 U	2.25	0.362 J	3.45	1.12 J	1.83	9.34	2.35	0.748 J	0.125 U
Total PCDD/F	pg/g	26.2 T	1892 T	50.7 T	2060 T	1189 T	1963 T	4595 T	1908 T	478 T	551 T
<b>Dioxins/Furans</b>											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.425 J	10.8	0.275 J	19.9	48.2	70.8	396	15.4	4.96 J	7.22
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	1.81 J	102	3.41 J	138	46.7	81.3	132	117	29.7	32.3
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.0472 U	0.845 J	0.0804 U	1.49 J	1.03 J	1.64 J	4.2 J	1.04 J	0.287 J	0.89 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.238 J	1.59 J	0.0403 J	2.52 J	1.27 J	2 J	6.19 J	2.74 J	0.428 J	1.61 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.123 J	0.618 J	0.0371 U	1.11 J	0.291 J	0.515 J	0.798 J	0.475 J	0.284 J	0.381 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.194 J	1.56 J	0.0297 U	1.59 J	4.4 J	6.08 J	16.9	0.995 J	0.353 J	0.663 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.117 J	3.59 J	0.11 J	8.46	2.45 J	4.22 J	7.53	4.4 J	1.83 J	1.58 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.0536 U	0.105 U	0.0351 U	0.0595 U	0.107 J	0.116 J	0.261 J	0.0839 U	0.0199 U	0.201 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.25 J	1.58 J	0.149 J	3.98 J	1.06 J	1.72 J	2.75 J	1.58 J	0.764 J	1.01 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.178 J	0.315 J	0.0315 U	0.569 J	0.338 J	0.498 J	1.16 J	0.298 J	0.0934 J	0.419 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.0902 J	0.611 J	0.035 U	0.92 J	0.304 J	0.451 J	0.833 J	0.364 J	0.199 J	0.287 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.126 J	3.19 J	0.027 U	1.96 J	2.01 J	2.93 J	10.3	1.23 J	0.357 J	0.963 J

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C001-B 12.3 West 0-68	DPSC-C002-B 13 West 30-85	DPSC-C003-E 13.2 West 257 - 372	DPSC-C004-B 13.3 West 30 - 209	DPSC-C005-D 13.4 West 221 - 372	DPSC-C006-D 13.4 West 169 - 378	DPSC-C007-C 14.1 West 88 - 210	DPSC-C008-B 14.1 West 30 - 130	DPSC-C009-B 14.2 West 30 - 182	DPSC-C010-B 14.4 West 30 - 90
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.212 J	1.03 J	0.029 U	0.934 J	0.449 J	0.702 J	2.15 J	0.489 J	0.14 J	0.759 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.8 J	1.12 J	0.0321 U	1.33 J	0.259 U	0.54 J	1.51	0.729 J	0.208 U	0.451 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.0432 U	0.297 J	0.0397 U	0.479 J	0.152 J	0.223 J	0.404 J	0.171 J	0.0681 J	0.125 U
Dioxin/furan TCDD toxicity equivalent	pg/g	0.371 T	4.13 T	0.078 T	5.85 T	2.97 T	4.67 T	12.8 T	3.69 T	1.18 T	1.68 T
<b>Grainsize</b>											
Medium gravel	percent	10.4	37.9	0	0.015 T	0	0	0	0.41	3.435 T	48.6
Fine gravel	percent	1.65	21.8	0	0.195 T	1.11	1.91	2.72	0.73	3.7575 T	12.3
Very coarse sand	percent	2.4	9.98	0.26	0.885 T	0.72	1.07	2.37	0.63	3.775 T	4.86
Coarse sand	percent	5.87	12.1	0.16	0.75 T	0.48	0.67	1.77	1.79	8.6575 T	6.03
Medium sand	percent	17.3	13.9	0.24	1.015 T	3.76	2.69	5.97	16	21.275 T	8.17
Fine sand	percent	26	7.75	9.33	8.4275 T	15.6	11.9	16.2	30.1	23.55 T	6.47
Very fine sand	percent	11.9	1.77	21.1	21.325 T	17.5	17.4	17.5	21.5	17.15 T	5.09
Coarse silt	percent	8.15	0.47	21.4	22.35 T	17.5	16.5	16	11	7.8475 T	4.62
Medium silt	percent	5.84	0.46	18	19.225 T	12.7	15.4	10.3	6.63	5.755 T	3.41
Fine silt	percent	4.46	0.43	11.9	10.7 T	10.3	10.5	9.82	3.79	3.125 T	1.25
Very fine silt	percent	2.43	0.23	6.82	5.945 T	7.11	6.9	5.84	2.78	1.905 T	1.03
8-9 Phi clay	percent	0.95	0.42	7.36	3.0525 T	5.09	4.92	4.21	1.72	1.3825 T	0.58
>9 Phi clay	percent	3.32	0.16	4.55	9.345 T	9.4	8.67	8.45	2.51	2.08 T	1.48
<b>Metals</b>											
Aluminum	mg/kg	18200 T	9650 J	24100	29150 T	27500	26400	24100	17400	14000	14800
Antimony	mg/kg	0.354 JT	0.72	0.16	0.495 T	0.67	0.33	0.51	0.36	0.61	0.294 J
Arsenic	mg/kg	2.525 T	6.02	2.71	3.375 T	3.49	3.25	2.92	2.88	2.79	2.36
Cadmium	mg/kg	0.3105 T	0.749	0.154	0.315 T	0.311	0.317	0.351	0.22	0.136	0.21
Chromium	mg/kg	17.7 T	21.7 J	21.3	21.9 T	22.7	22	20.6	16.4	12.6	14
Copper	mg/kg	36.45 T	37 J	26.2	34.35 T	31.4	30.8	32.5	32.8	18.3	25.7
Lead	mg/kg	85.95 JT	123 J	6.02	34.35 T	22.8	22.5	17.8	23.5	9.62	24.4 J
Mercury	mg/kg	0.858	0.116	0.025	0.116	0.179	0.163	0.492	0.059 T	0.022	0.088
Nickel	mg/kg	19.9 T	13.8	22.6	19 T	19.7	19.4	19.5	17.1	15	15.3
Selenium	mg/kg	0.075 T	0.06	0.13	0.175 T	0.14	0.12	0.12	0.08	0.05	0.11
Silver	mg/kg	1.965 T	0.339 J	0.056 J	0.3655 JT	0.263 J	0.281 J	0.238 J	0.13 J	0.065 J	0.198
Zinc	mg/kg	114.5 T	178	49.5	114.5 T	113	102	115	112	56.9	74.5
<b>PAHs</b>											
C1-Chrysene	ug/kg	240	110	0.25 U	43	66	36	20	34	12	47
C1-Dibenzothiophene	ug/kg	230	31	0.21 U	25	50	47	34	96	16	49
C1-Fluoranthene/pyrene	ug/kg	360	110	1.1 J	46	74	60	41	44	19	72
C1-Fluorene	ug/kg	100	16	0.5 U	8.6	12	13	11	23	4.5	17
C1-Phenanthrene/anthracene	ug/kg	490	74	0.82 J	34	66	60	45	67	21	92
C2-Chrysene	ug/kg	290	140	0.25 U	48	82	36	23	60	13	52
C2-Dibenzothiophene	ug/kg	200	45	0.21 U	14	42	34	19	44	13	40
C2-Fluoranthene/pyrene	ug/kg	290	94	0.61 U	54	67	48	30	50	14	46
C2-Fluorene	ug/kg	240	40	0.5 U	21	38	36	29	67	15	51
C2-Naphthalene	ug/kg	420	16	8.7	14	80	83	45	66	12	57
C2-Phenanthrene/anthracene	ug/kg	720	100	1.1 J	71	100	89	68	88	28	150
C3-Chrysene	ug/kg	240	180	0.25 U	45	67	33	20	57	14	46
C3-Dibenzothiophene	ug/kg	280	72	0.21 U	15	49	35	18	43	11	44

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C001-B 12.3 West 0-68	DPSC-C002-B 13 West 30-85	DPSC-C003-E 13.2 West 257 - 372	DPSC-C004-B 13.3 West 30 - 209	DPSC-C005-D 13.4 West 221 - 372	DPSC-C006-D 13.4 West 169 - 378	DPSC-C007-C 14.1 West 88 - 210	DPSC-C008-B 14.1 West 30 - 130	DPSC-C009-B 14.2 West 30 - 182	DPSC-C010-B 14.4 West 30 - 90
C3-Fluoranthene/pyrene	ug/kg	280	120	0.61 U	50	71	35	23	50	11	54
C3-Fluorene	ug/kg	390	68	0.5 U	42	0.5 U	53	43	84	17	84
C3-Naphthalene	ug/kg	750	21	0.37 U	25	120	130	51	180	18	82
C3-Phenanthrene/anthracene	ug/kg	710	140	0.85 J	89	140	77	61	84	22	140
C4-Chrysene	ug/kg	130	96	0.25 U	23	30	0.25 U	0.25 U	27	0.25 U	27
C4-Naphthalene	ug/kg	570	42	0.37 U	43	100	110	76	180	29	86
C4-Phenanthrene/anthracene	ug/kg	350	130	0.75 U	40	58	36	30	78	12	74
1-Methylnaphthalene	ug/kg	40	4.4	61	3	10	12	7.5	2.8	3.3	21
2-Methylnaphthalene	ug/kg	77	5.1	63	5.1	21	18	11	5.4	6.6	36
Acenaphthene	ug/kg	90	220	49	3.3	13	8.1	5.1	6.5	4	22
Acenaphthylene	ug/kg	35	6	0.24 U	2.6	17	18	12	1.3 J	1.8 J	47
Anthracene	ug/kg	90	32	0.59 J	4.1	12	14	8.1	4.8	4.4	36
Benzo(a)anthracene	ug/kg	180	83	0.63 J	21	33	35	17	29	8.3	30
Benzo(a)pyrene	ug/kg	210	81	0.14 U	23	39	39	20	25	8.2	40
Benzo(b)fluoranthene	ug/kg	240	98	0.32 J	31	47	51	25	35	14	46
Benzo(e)pyrene	ug/kg	150	62	0.18 U	19	32	31	17	21	9.2	31
Benzo(g,h,i)perylene	ug/kg	160	68	0.64 U	17	41	39	24	16	8.2	44
Benzo(k)fluoranthene	ug/kg	67	30	0.15 U	11	15	17	7.7	12	4.9	15
Chrysene	ug/kg	220	95	0.43 J	28	43	44	22	32	9.1	42
Dibenzo(a,h)anthracene	ug/kg	35	16	0.28 U	4.7	7.5	6.4	3	5	2.3 J	5.7
Dibenzothiophene	ug/kg	45	17	0.21 U	0.21 U	5.2	5	3.5	5.3	2.1 J	7.5
Fluoranthene	ug/kg	630	180	1.7 J	40	110	120	75	56	30	160
Fluorene	ug/kg	76	13	12	4	17	13	8.3	7.8	4.6	28
Indeno(1,2,3-cd)pyrene	ug/kg	160	66	0.16 U	17	30	32	19	16	7.9	35
Naphthalene	ug/kg	150	21	530	9.7	48	50	43	5	11	160
Perylene	ug/kg	130	40	62	28	42	45	45	36	28	31
Phenanthrene	ug/kg	570	120	3.1	25	94	94	65	42	25	170
Pyrene	ug/kg	630	300	1.3 J	45	130	130	82	54	26	160
Total C1-PAHs	ug/kg	1420 T	341 T	1.92 T	156.6 T	268 T	216 T	151 T	264 T	72.5 T	277 T
Total C2-PAHs	ug/kg	2160 T	435 T	9.8 T	222 T	409 T	326 T	214 T	375 T	95 T	396 T
Total C3-PAHs	ug/kg	2650 T	601 T	0.85 T	266 T	447 T	363 T	216 T	498 T	93 T	450 T
Total C4-PAHs	ug/kg	1050 T	268 T	0.75 UT	106 T	188 T	146 T	106 T	285 T	41 T	187 T
Total HPAHs	ug/kg	2532 T	1017 T	4.38 T	238 T	496 T	513 T	295 T	280 T	119 T	578 T
Total LPAHs	ug/kg	1088 T	417 T	658 T	53.8 T	222 T	215 T	153 T	72.8 T	57.4 T	499 T
Total PAHs	ug/kg	3620 T	1434 T	662 T	292 T	718 T	729 T	447 T	353 T	176 T	1077 T
<b>Pesticides</b>											
2,4'-DDD	ug/kg	0.13 U	1.8 U	0.032 U	3.5 J	1.9 J	1.9 J	1.4 J	0.92 U	1	0.24 U
2,4'-DDE	ug/kg	0.03 U	2.5 U	0.088 U	0.2 U	0.03 U	0.03 U	0.2 U	0.86 U	0.23 U	0.1 U
2,4'-DDT	ug/kg	0.067 U	6.4	0.03 U	2.5	1.3 J	1.3	1.2	2.8 J	0.8	0.87 J
4,4'-DDD	ug/kg	0.098 U	1.8	0.047 U	1.8	2.2	1.9	1.6	0.74	0.5 J	0.16 J
4,4'-DDE	ug/kg	0.052 J	0.69 U	0.034 U	3.1 J	3.5 J	2.4 J	3.3 J	2 J	0.91 J	0.12 U
4,4'-DDT	ug/kg	0.16 U	18 J	0.13 U	3.9	1.3	1.6	1.3	2.7	0.88	1
Total DDD	ug/kg	0.13 UT	1.8 T	0.047 UT	5.3 T	4.1 T	3.8 T	3 T	0.74 T	1.5 T	0.16 T
Total DDE	ug/kg	0.052 T	2.5 UT	0.088 UT	3.1 T	3.5 T	2.4 T	3.3 T	2 T	0.91 T	0.12 UT
Total DDT	ug/kg	0.16 UT	24.4 T	0.13 UT	6.4 T	2.6 T	2.9 T	2.5 T	5.5 T	1.68 T	1.87 T

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C001-B 12.3 West 0-68	DPSC-C002-B 13 West 30-85	DPSC-C003-E 13.2 West 257 - 372	DPSC-C004-B 13.3 West 30 - 209	DPSC-C005-D 13.4 West 221 - 372	DPSC-C006-D 13.4 West 169 - 378	DPSC-C007-C 14.1 West 88 - 210	DPSC-C008-B 14.1 West 30 - 130	DPSC-C009-B 14.2 West 30 - 182	DPSC-C010-B 14.4 West 30 - 90
Total DDx	ug/kg	0.052 T	26.2 T	0.13 UT	14.8 T	10.2 T	9.1 T	8.8 T	8.24 T	4.09 T	2.03 T
Aldrin	ug/kg	0.063 U	1.7	0.055 U	0.56 J	0.07 U	0.055 U	0.079 J	0.2 U	0.055 U	0.055 U
alpha-Endosulfan	ug/kg	0.025 U	0.44 U	0.025 U	0.15 U	0.16 J	0.16 J	0.025 U	0.2 U	0.2 U	0.055 U
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.055 J	0.054 U	0.047 U	0.047 U	0.047 U
beta-Endosulfan	ug/kg	0.051 U	0.2 U	0.051 U	0.65 J	0.19 U	0.3 J	0.2 U	0.51	0.093 J	0.24 J
beta-Hexachlorocyclohexane	ug/kg	0.054 U	0.2 U	0.054 U	0.063 U	0.13 U	0.056 U	0.2 U	0.11 J	0.13 U	0.054 U
cis-Chlordane	ug/kg	0.032 U	0.32 U	0.032 U	0.032 U	0.15 U	0.032 U	0.032 U	0.032 U	0.032 U	0.3
cis-Nonachlor	ug/kg	0.12 U	1.5 U	0.053 U	1.3 U	0.96 U	1.3	0.91 U	0.53 U	0.24 U	0.19 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.037 U	0.16 U	0.037 U	0.037 U	0.12 U	0.037 U	0.037 U	0.037 U
Dieldrin	ug/kg	0.036 U	0.2 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
Endosulfan sulfate	ug/kg	0.053 U	0.6 U	0.053 U	0.053 U	0.053 U	0.053 U	0.63 U	0.053 U	0.053 U	0.053 U
Endrin	ug/kg	0.046 U	0.33 U	0.046 U	0.046 U	0.2 U	0.2 J	0.046 U	0.046 U	0.046 U	0.046 U
Endrin aldehyde	ug/kg	0.087 U	0.6 J	0.047 U	0.2 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone	ug/kg	0.042 U	1.2	0.042 U	0.54 U	1 J	1.1 J	1.1 J	0.74 U	0.2 U	0.19 U
gamma-Hexachlorocyclohexane	ug/kg	0.33 U	0.22 U	0.043 U	0.14 J	0.27	0.21	0.22	0.068 U	0.043 U	1.5
Heptachlor	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.13 U
Heptachlor epoxide	ug/kg	0.057 U	0.2 U	0.057 U	0.27 U	0.14 U	0.13 U	0.057 U	0.26 U	0.18 U	0.057 U
Methoxychlor	ug/kg	0.085 U	0.59 U	0.054 U	0.34 U	0.41 U	0.61	0.34 U	0.37 U	0.054 U	0.16 U
Mirex	ug/kg	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U
Oxychlordane	ug/kg	0.054 U	0.054 U	0.77 U	0.19 U	0.054 U	0.1 U	0.094 U	0.22 J	0.46 U	0.068 U
Total Chlordanes	ug/kg	0.12 UT	4.3 T	0.77 UT	1.5 T	0.68 T	2.02 T	0.57 T	1.62 T	0.47 T	0.82 T
Total Endosulfans	ug/kg	0.053 UT	0.6 UT	0.053 UT	0.65 T	0.16 T	0.46 T	0.63 UT	0.51 T	0.093 T	0.24 T
Toxaphene	ug/kg	5.6 U	59 U	5.6 U	49 U	33 U	32 U	29 U	34 U	26 U	21 U
trans-Chlordane	ug/kg	0.035 U	4.3 J	0.035 U	1.5	0.45 J	0.72 J	0.57 J	1.4	0.47	0.52
trans-Nonachlor	ug/kg	0.036 U	0.45 U	0.079 U	0.13 U	0.23 J	0.13 U	0.036 U	0.038 U	0.2 U	0.067 U
<b>Petroleum</b>											
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	900 J	87 J	4.65 JT	140 J	170 J	120 J	125 JT	130 J	40 J	150 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	1300 J	430 J	5.25 JT	370 J	400 J	290 J	300 JT	230 J	110 J	350 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	2200 T	517 T	9.9 T	510 T	570 T	410 T	425 T	360 T	150 T	500 T
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	4.4 U	3.8 U	4.3 U	5.2 U	4.9 U	4.8 U	4.7 U	4.6 U	4.2 U	4.2 U
2,3,5,6-Tetrachlorophenol	ug/kg	5.4 U	4.6 U	5.3 U	6.4 U	6 U	6 U	5.8 U	5.7 U	5.2 U	5.2 U
2,4,5-Trichlorophenol	ug/kg	3.8 U	3.3 U	3.7 U	4.5 U	4.3 U	4.2 U	4.1 U	4 U	3.6 U	3.6 U
2,4,6-Trichlorophenol	ug/kg	4 U	3.4 U	3.9 U	4.7 U	4.4 U	4.4 U	4.3 U	4.1 U	3.8 U	3.8 U
2,4-Dichlorophenol	ug/kg	1 U	5 U	1 U	1 U	5.1 U	1.1 U	5 U	1.1 U	1 U	1 U
2,4-Dimethylphenol	ug/kg	5.5 U	28 U	6.7 J	--	28 U	5.6 U	28 U	5.6 U	5.5 U	5.5 U
2,4-Dinitrophenol	ug/kg	17 U	85 U	17 U	17 U	86 U	18 U	85 U	18 U	17 U	17 U
2-Chlorophenol	ug/kg	2 U	10 U	2 U	2 U	11 U	2.1 U	10 U	2.1 U	2 U	2 U
2-Methylphenol	ug/kg	1.5 U	7.5 U	1.5 U	1.5 U	7.6 U	1.6 U	7.5 U	1.6 U	1.5 U	1.5 U
2-Nitrophenol	ug/kg	1.5 U	7.5 U	1.5 U	1.5 U	7.6 U	1.6 U	7.5 U	1.6 U	1.5 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	7 U	1.4 U	1.4 U	7.1 U	1.5 U	7 U	1.5 U	1.4 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	7 U	1.4 U	1.4 U	7.1 U	1.5 U	7 U	1.5 U	1.4 U	1.4 U
4-Methylphenol	ug/kg	46	7.5 U	1.5 U	10	37 J	18	98	10 J	8.5 J	110
4-Nitrophenol	ug/kg	18 U	90 U	18 U	18 U	91 U	19 U	90 U	19 U	18 U	18 U
Pentachlorophenol	ug/kg	5.1 U	4.4 U	5 U	6.1 U	5.7 U	5.6 U	5.5 U	5.4 U	4.9 U	4.9 U

Note:

\*These results are averaged values.

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**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C001-B 12.3 West 0-68	DPSC-C002-B 13 West 30-85	DPSC-C003-E 13.2 West 257 - 372	DPSC-C004-B 13.3 West 30 - 209	DPSC-C005-D 13.4 West 221 - 372	DPSC-C006-D 13.4 West 169 - 378	DPSC-C007-C 14.1 West 88 - 210	DPSC-C008-B 14.1 West 30 - 130	DPSC-C009-B 14.2 West 30 - 182	DPSC-C010-B 14.4 West 30 - 90
Phenol	ug/kg	7.2 J	10 U	2 U	6.9 J	11 U	11 J	10 U	5.7 J	4.8 J	8 J
<b>Phthalates</b>											
Bis(2-ethylhexyl) phthalate	ug/kg	140	580	7 U	65	36 U	31	35 U	51	520	350
Butylbenzyl phthalate	ug/kg	3.2 U	16 U	3.2 U	3.2 U	17 U	3.3 U	16 U	3.3 U	3.2 U	13
Dibutyl phthalate	ug/kg	13	40 U	7.9 U	7.9 U	40 U	13 U	40 U	11 J	8.9 J	10
Diethyl phthalate	ug/kg	1.3 U	6.5 U	1.3 U	1.3 U	6.6 U	3.4 U	6.5 U	3.7 U	4.8 U	3.6 U
Dimethyl phthalate	ug/kg	1 U	5 U	1 U	1 U	5.1 U	1.1 U	5 U	1.1 U	1 U	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	8.5 U	1.7 U	1.7 U	8.6 U	18	8.5 U	1.8 U	1.7 U	1.7 U
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	2.6 U	13 U	2.6 U	2.6 U	14 U	2.7 U	13 U	2.7 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	15 U	2.9 U	2.9 U	15 U	3 U	15 U	3 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	15 U	3 U	3 U	16 U	3.1 U	15 U	3.1 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	11	15 J	2.9 U	2.9 U	15 U	3 U	15 U	3 U	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	7.5 U	1.5 U	1.5 U	7.6 U	1.6 U	7.5 U	1.6 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	10 U	2 U	2 U	11 U	2.1 U	10 U	2.1 U	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	8 U	1.6 U	1.6 U	8.1 U	1.7 U	8 U	1.7 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	16 U	3.2 U	3.2 U	17 U	3.3 U	16 U	3.3 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	19 U	3.7 U	3.7 U	19 U	3.8 U	19 U	3.8 U	3.7 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	13 U	2.5 U	2.5 U	13 U	2.6 U	13 U	2.6 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	8 U	1.6 U	1.6 U	8.1 U	1.7 U	8 U	1.7 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	9.5 U	1.9 U	1.9 U	9.6 U	2 U	9.5 U	2 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	7 U	1.4 U	1.4 U	7.1 U	1.5 U	7 U	1.5 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	9 U	1.8 U	1.8 U	9.1 U	1.9 U	9 U	1.9 U	1.8 U	1.8 U
Aniline	ug/kg	1.5 U	7.5 U	1.5 U	1.5 U	--	--	--	--	--	1.5 U
Azobenzene	ug/kg	1.1 U	5.5 U	1.1 U	1.1 U	5.6 U	1.2 U	5.5 U	1.2 U	1.1 U	1.1 U
Benzoic acid	ug/kg	96 U	480 U	96 U	96 U	490 U	97 U	480 U	97 U	96 U	96 U
Benzyl alcohol	ug/kg	2.1 U	11 U	5.2 J	4.7 J	11 U	2.2 U	11 U	3.5 J	2.1 U	2.1 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	7.5 U	1.5 U	1.5 U	7.6 U	1.6 U	7.5 U	1.6 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	9.5 U	1.9 U	1.9 U	9.6 U	2 U	9.5 U	2 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	13 U	2.6 U	2.6 U	14 U	2.7 U	13 U	2.7 U	2.6 U	2.6 U
Carbazole	ug/kg	18	6.5 U	12	2.4 J	6.6 U	3.5 J	6.5 U	1.4 U	1.3 U	10
Dibenzofuran	ug/kg	29	5.8	11	2.5 J	10	6.9	5.6	2.4 J	3.3	21
Hexachlorobenzene	ug/kg	0.12 U	0.25	0.12 U	0.12 U	0.12 U	0.12 U	0.22	0.12 U	0.12 U	0.12 U
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.078 J	0.14 U	0.065 U	0.065 U	0.065 U	0.071 U	0.23 J	0.065 U
Hexachlorocyclopentadiene	ug/kg	29 U	150 U	29 U	29 U	150 U	30 U	150 U	30 U	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Isophorone	ug/kg	1 U	5 U	1 U	1 U	5.1 U	1.1 U	5 U	1.1 U	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	11 U	2.2 U	2.2 U	12 U	2.3 U	11 U	2.3 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	31 U	6.1 U	6.1 U	31 U	6.2 U	31 U	6.2 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	8 U	1.6 U	1.6 U	8.1 U	1.7 U	8 U	1.7 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	12 U	2.4 U	2.4 U	13 U	2.5 U	12 U	2.5 U	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.



**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C011-B 14.5 West 30 - 99	DPSC-C014-B 15 West 0 - 40	DPSC-C016-B 15.5 West 30 - 142	DPSC-C017-D 15.6 West 265 - 373	DPSC-C018-B 15.1 East 30 - 122	DPSC-C019-C 13.8 East 62 - 135	DPSC-C020-C 13.8 East 95-134	DPSC-C021-C* 13.6 East 120 - 228	DPSC-C022-C 13.5 East 96 - 156	DPSC-C023-B 13.3 East 31 - 80
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 UT	1 U	1 U
Aroclor 1221	ug/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 UT	1 U	1 U
Aroclor 1232	ug/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 UT	1 U	1 U
Aroclor 1242	ug/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	6.6 U	1 UT	1 U	1 U
Aroclor 1248	ug/kg	1 U	1 U	1 U	11 U	1.1 U	33	1.1 U	37.5 T	1 U	1 U
Aroclor 1254	ug/kg	1 U	5.3 U	1 U	1 U	1.1 U	1 U	13	1 UT	220	1 U
Aroclor 1260	ug/kg	1 U	12 U	5.5 U	9.9 U	7.4 U	42	6 U	75.5 T	390	1 U
Aroclor 1262	ug/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 UT	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	7.7	1 UT	1 U	1 U
Total Aroclors	ug/kg	1 UT	12 UT	5.5 UT	11 UT	7.4 UT	75 T	20.7 T	113 T	610 T	1 UT
<b>Butyltins</b>											
Butyltin ion	ug/kg	0.043 UJ	0.049 U	0.05 U	0.046 U	0.036 U	0.061 U	0.041 U	0.82 J	0.35 U	0.038 U
Dibutyltin ion	ug/kg	0.04 U	0.54 J	0.047 U	0.043 U	0.034 U	0.057 U	0.038 U	0.051 UT	0.048 U	0.035 U
Tetrabutyltin	ug/kg	0.1 U	0.12 U	0.12 U	0.11 U	0.083 U	0.15 U	0.094 U	0.13 UT	0.12 U	0.087 U
Tributyltin ion	ug/kg	0.08 U	0.67 J	0.093 U	0.085 U	0.067 U	0.12 U	0.075 U	0.1 UT	0.096 U	0.07 U
Total Butyltins	ug/kg	0.1 UT	1.21 T	0.12 UT	0.11 UT	0.083 UT	0.15 UT	0.094 UT	0.82 T	0.35 UT	0.087 UT
<b>Conventionals</b>											
Total organic carbon	percent	0.115 T	1.59	1.79 T	1.15	0.1	1.79	2.32 T	3.04 T	2.57 T	15.8
Total solids	percent	70.5 T	61.4	60.3 T	65.7	84.6	49.4	74.6	55.1 T	58.3 T	80.4
<b>Dioxin/Furan Homologs</b>											
Heptachlorodibenzofuran homologs	pg/g	0.22 J	23.1	50.6	40.7	8.35	149	29.9	103 T	163	0.0523 U
Heptachlorodibenzo-p-dioxin homologs	pg/g	2.25 J	219	125	103	31.5	336	50.6	267 T	302	0.367 U
Hexachlorodibenzofuran homologs	pg/g	0.0279 J	23.6	34.5	20.4	8.31	82	83.7	74.4 T	157	0.0335 U
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.513 J	34.3	20.4	17.9	0.863 J	38.7	17	44.5 T	62.9	0.0386 U
Octachlorodibenzofuran	pg/g	0.203 J	20.1	40.1	43.6	15.3	114	26.6	80 T	133	0.0951 U
Octachlorodibenzo-p-dioxin	pg/g	8.55 J	806	779	763	193	2940	218	2025 T	1910	2.88 U
Pentachlorodibenzofuran homologs	pg/g	0.0249 U	14.5	23.4	7.95	13.8	61.3	150	39.3 T	158	0.0266 U
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.0128 U	1.44 J	5.13 J	1.41 J	0.104 U	6.33 J	6.43	5.33 JT	9.71	0.0363 U
Tetrachlorodibenzofuran homologs	pg/g	0.108 J	4.16	9.63	2.62	1.71	23.5	80	14.1 T	48.3	0.0394 U
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.0171 U	0.47 J	5.57	0.142 U	0.0617 U	2.26	3.1	1.95 JT	8.23	0.0496 U
Total PCDD/F	pg/g	11.9 T	1147 T	1093 T	1001 T	273 T	3753 T	665 T	2655 T	2952 T	2.88 UT
<b>Dioxins/Furans</b>											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.0956 J	7.08 J	15.7	9.86	1.69 J	41.6	8.56	27.7 T	41.6	0.0523 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	0.906 J	123	54.8	42.8	16.9	150	24.9	116 T	134	0.367 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.0359 U	0.528 J	1.1 J	0.782 J	0.157 U	2.06 J	0.819 J	1.96 JT	3.77 J	0.0621 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.0128 U	0.778 J	1.62 J	0.683 J	0.237 J	2.56 J	3 J	3.13 JT	5.66 J	0.0335 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.0268 U	2.15 J	0.527 J	0.524 J	0.131 U	1.04 J	0.439 J	1.20 JT	1.39 J	0.0386 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0139 U	0.748 J	1.42 J	0.865 J	0.313 J	2.01 J	3.16 J	3.28 JT	6.59 J	0.0358 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.0385 J	6.06 J	2.98 J	2.03 J	0.446 J	5.34 J	1.93 J	5.76 JT	8.4	0.042 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.02 U	0.0719 U	0.203 U	0.128 U	0.135 U	0.0846 J	0.0502 U	0.156 JT	0.168 J	0.043 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.0952 J	4.42 J	1.49 J	1.05 J	0.125 U	2.61 J	1.19 J	3.14 JT	4 J	0.038 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.0235 U	0.224 J	0.286 J	0.0631 U	0.0716 U	0.435 J	0.51 J	1.07 JT	0.806 J	0.0272 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.0128 U	0.598 J	0.532 J	0.117 U	0.104 U	0.657 J	0.949 J	0.849 JT	1.5 J	0.0363 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.013 U	1.35 J	1.39 J	0.742 J	0.714 J	3.14 J	5.63 J	2.96 JT	8.81	0.0373 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C011-B 14.5 West 30 - 99	DPSC-C014-B 15 West 0 - 40	DPSC-C016-B 15.5 West 30 - 142	DPSC-C017-D 15.6 West 265 - 373	DPSC-C018-B 15.1 East 30 - 122	DPSC-C019-C 13.8 East 62 - 135	DPSC-C020-C 13.8 East 95-134	DPSC-C021-C* 13.6 East 120 - 228	DPSC-C022-C 13.5 East 96 - 156	DPSC-C023-B 13.3 East 31 - 80
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.0249 U	0.384 J	0.485 J	0.062 U	0.172 J	1.19 J	2.55 J	0.894 JT	2.36 J	0.0266 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.126 U	0.192 U	0.435 J	0.234 U	0.0605 U	0.867 J	1.04 J	0.701 JT	1.1 J	0.0394 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.0171 U	0.14 J	0.191 U	0.142 U	0.0617 U	0.372 J	0.182 J	0.3132 JT	0.56 J	0.0496 U
Dioxin/furan TCDD toxicity equivalent	pg/g	0.026 T	3.96 T	2.63T	1.37 T	0.471 T	6.02 T	3.97 T	5.58 T	8.81 T	0.05 UT
<b>Grainsize</b>											
Medium gravel	percent	0.46 T	1.26	0	0	3.52	1.15	45.5 T	0.09 T	0	84.2
Fine gravel	percent	1.57 T	2.97	0.37	0.1	7.26	4.39	4.37 T	1.63 T	0.76	6.32
Very coarse sand	percent	2.995 T	3.58	0.72	0.25	6.08	4.06	5.065 T	2.34 T	1.32	2.57
Coarse sand	percent	3.0025 T	4.47	1.22	0.39	28.2	7.91	10.295 T	2.15 T	1.41	2.79
Medium sand	percent	2.435 T	7.23	2.74	9.78	47.7	13.9	13.49 T	4.87 T	2.6	1.97
Fine sand	percent	3.6075 T	27.4	25.2	51.6	5.55	15	11.0575 T	11.9 T	19.5	1.5
Very fine sand	percent	11.875 T	24.2	24.5	16	0.26	18.9	6.035 T	18.6 T	31.2	1.11
Coarse silt	percent	27.275 T	17.1	23.7	11.4	0.48	12.8	2.8025 T	15.0 T	11.1	0.4
Medium silt	percent	16.0325 T	1.7	2.89	1.22	0	11.8	2.79 T	12.7 T	11.1	0.83
Fine silt	percent	9.99 T	2.51	4.96	3.55	0.16	5.33	1.97 T	8.86 T	5.07	0.58
Very fine silt	percent	8.1375 T	2.67	4.68	3.31	0.27	3.13	1.8275 T	7.62 T	3.2	0.45
8-9 Phi clay	percent	3.36 T	1.45	3.21	2.73	0.07	2.01	0.655 T	4.03 T	2.02	0.35
>9 Phi clay	percent	8.33 T	3.62	4.18	3.7	0.09	2.91	1.61 T	10.8 T	6.36	0.41
<b>Metals</b>											
Aluminum	mg/kg	16200	17800	24200	18900	7970	23200	10500 J	29000 T	25200	9680
Antimony	mg/kg	0.234 J	0.13 J	0.18 J	0.365 J	0.113 J	1.07 J	0.69	0.546 JT	0.532 J	0.194 J
Arsenic	mg/kg	7.18	1.59	2.4	2.37	2.33	5.09	3	3.51 T	2.88	1.21
Cadmium	mg/kg	0.125	0.15	0.217	0.187	0.091	0.439	0.574	0.596 T	0.315	0.309
Chromium	mg/kg	16.7	17.2	20.5	19.7	7.91	28.6	15.6 J	23.6 T	23.6	9.91
Copper	mg/kg	21.1	24.4	33	26	18.9	39.6	48.7 J	39.8 T	33.8	22
Lead	mg/kg	11.8 J	9.74 J	19.4 J	14.6 J	13.3 J	98.8 J	148 J	63.3 JT	35 J	12.4 J
Mercury	mg/kg	0.015	0.04	0.172 T	0.08	0.122	0.195	1.1	0.320 T	0.231	0.083
Nickel	mg/kg	15.4	18.5	19	21.1	13.6	21.4	14.8	20 T	23.6	8.68
Selenium	mg/kg	0.03 J	0.08	0.11	0.08	0.13	0.09	0.1	0.165 T	0.1	0.15
Silver	mg/kg	0.399	0.112	0.151	0.174	0.042	0.346	0.908 J	0.600 JT	0.25	0.114
Zinc	mg/kg	61.2	64.9	78.1	119	38.5	157	188	178 T	173	72.2
<b>PAHs</b>											
C1-Chrysene	ug/kg	0.25 U	7.5	18	22	7.5	89	200	101 T	81	3.3
C1-Dibenzothiophene	ug/kg	0.21 U	2.8	12	8.4	0.21 U	340	400	103 JT	83	16
C1-Fluoranthene/pyrene	ug/kg	0.61 U	15	50	25	4.8	230	850	120 T	100	17
C1-Fluorene	ug/kg	0.5 U	1.7 J	4.8	3.6	0.5 U	150	190	34 JT	28	4.2
C1-Phenanthrene/anthracene	ug/kg	0.75 U	7.8	33	15	1.4 J	620	940	145 T	160	22
C2-Chrysene	ug/kg	0.25 U	7.9	25	15	13	130	500	81.5 T	110	6.7
C2-Dibenzothiophene	ug/kg	0.21 U	3.2	13	5.6	0.21 U	250	430	73.5 T	79	9.4
C2-Fluoranthene/pyrene	ug/kg	0.61 U	9.9	28	17	6.8	150	630	81 T	100	9.1
C2-Fluorene	ug/kg	0.5 U	3.5	15	7	0.5 U	370	520	83 JT	90	12
C2-Naphthalene	ug/kg	0.37 U	4.7	16	24	0.37 U	630	560	160 JT	110	41
C2-Phenanthrene/anthracene	ug/kg	0.75 U	9.1	42	24	2.3 J	610	1400 J	165 T	250	32
C3-Chrysene	ug/kg	0.25 U	6.8	29	13	13	120	390	69 T	110	0.25 U
C3-Dibenzothiophene	ug/kg	0.21 U	3.3	14	4.3	0.21 U	0.21 U	560	66 T	110	9.4

Note:

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**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C011-B 14.5 West 30 - 99	DPSC-C014-B 15 West 0 - 40	DPSC-C016-B 15.5 West 30 - 142	DPSC-C017-D 15.6 West 265 - 373	DPSC-C018-B 15.1 East 30 - 122	DPSC-C019-C 13.8 East 62 - 135	DPSC-C020-C 13.8 East 95-134	DPSC-C021-C* 13.6 East 120 - 228	DPSC-C022-C 13.5 East 96 - 156	DPSC-C023-B 13.3 East 31 - 80
C3-Fluoranthene/pyrene	ug/kg	0.61 U	10	22	13	0.61 U	130	510	63 JT	130	8.1
C3-Fluorene	ug/kg	0.5 U	5.8	21	11	0.5 U	400	820	106 JT	140	15
C3-Naphthalene	ug/kg	0.37 U	4.5	17	21	0.37 U	950	1100 J	260 JT	170	29
C3-Phenanthrene/anthracene	ug/kg	0.75 U	11	43	20	4.2	400	1100 J	160 JT	340	30
C4-Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	54	210	31 T	60	0.25 U
C4-Naphthalene	ug/kg	0.37 U	4.8	26	20	0.37 U	790	940	230 JT	150	29
C4-Phenanthrene/anthracene	ug/kg	0.75 U	5.4	20	9.7	5.9	150	630	57.5 JT	160	18
1-Methylnaphthalene	ug/kg	0.31 U	2 J	4.4	3.8	0.31 U	100	63	21 JT	21	32
2-Methylnaphthalene	ug/kg	0.39 U	3.4	6.1	5.4	0.39 U	160	110	34.5 JT	36	34
Acenaphthene	ug/kg	0.23 U	2.3 J	4.1	2.9	0.23 U	140	85	10.1 T	14	4.2
Acenaphthylene	ug/kg	0.24 U	3.1	8.4	1.8 J	0.24 U	15	68	16 T	23	200
Anthracene	ug/kg	0.47 U	3.9	13	5.4	0.47 U	85	150	20.5 JT	14	18
Benzo(a)anthracene	ug/kg	0.48 U	8.4	28	25	2.5	98	390	78.5 T	32	3.2
Benzo(a)pyrene	ug/kg	0.14 U	11	34	32	4	95	510	86.5 T	29	3.6
Benzo(b)fluoranthene	ug/kg	0.25 U	14	44	46	5.3	120	600	110 T	45	5.3
Benzo(e)pyrene	ug/kg	0.18 U	9.4	29	28	4.4	83	380	67 T	33	4.7
Benzo(g,h,i)perylene	ug/kg	0.64 U	11	35	31	4.6	86	460	66 T	33	7.6
Benzo(k)fluoranthene	ug/kg	0.15 U	5	16	16	1.3 J	40	200	39 T	12	1.5 J
Chrysene	ug/kg	0.3 J	13	37	36	4.4	150	500	93 T	40	3.2
Dibenzo(a,h)anthracene	ug/kg	0.28 U	2 J	7	7.9	1 J	16	59	17 T	6.4	0.28 U
Dibenzothiophene	ug/kg	0.21 U	0.99 J	3.2	1.2 J	0.21 U	96	98	12.5 T	13	1.7 J
Fluoranthene	ug/kg	0.61 U	23	79	42	3.7	420	1500	180 T	140	93
Fluorene	ug/kg	0.5 U	2.8	6.4	3.7	0.5 U	120	110	18 JT	23	8.4
Indeno(1,2,3-cd)pyrene	ug/kg	0.28 U	9.9	33	32	4.3	79	420	66 T	27	3.3
Naphthalene	ug/kg	0.45 J	24	36	8.9	1.3 U	120	140	34 JT	100	740
Perylene	ug/kg	0.32 U	23	51	46	1.8 J	48	160	44.5 T	38	1.2 J
Phenanthrene	ug/kg	0.75 U	14	55	21	1.9 J	740	1100	135 T	150	120
Pyrene	ug/kg	0.37 U	27	91	49	6.7	460	1400	185 T	130	130
Total C1-PAHs	ug/kg	0.75 UT	34.8 T	117.8 T	74 T	13.7 T	1429 T	2580 T	502 T	452 T	62.5 T
Total C2-PAHs	ug/kg	0.75 UT	38.3 T	139 T	92.6 T	22.1 T	2140 T	4040 T	644 T	739 T	110.2 T
Total C3-PAHs	ug/kg	0.75 UT	41.4 T	146 T	82.3 T	17.2 T	2000 T	4480 T	724 T	1000 T	91.5 T
Total C4-PAHs	ug/kg	0.75 UT	10.2 T	46 T	29.7 T	5.9 T	994 T	1780 T	318.5 T	370 T	47 T
Total HPAHs	ug/kg	0.3 T	124 T	404 T	317 T	37.8 T	1564 T	6039 T	921 T	494 T	251 T
Total LPAHs	ug/kg	0.45 T	53.5 T	129 T	49.1 T	1.9 T	1380 T	1763 T	268 T	360 T	1125 T
Total PAHs	ug/kg	0.75 T	178 T	533 T	366 T	39.7 T	2944 T	7802 T	1189 T	854 T	1375 T
<b>Pesticides</b>											
2,4'-DDD	ug/kg	0.032 U	0.64 J	2	1.6 J	0.19 J	1.1 U	0.22 U	5.85 JT	15	0.032 U
2,4'-DDE	ug/kg	0.03 U	0.03 U	0.2 U	0.2 U	0.031 U	1.2 U	0.033 U	0.62 UT	0.37 U	0.03 U
2,4'-DDT	ug/kg	0.03 U	0.82 J	0.73 J	0.95	0.21 U	2.6	0.5 U	5.65 JT	8.8 U	0.03 U
4,4'-DDD	ug/kg	0.047 U	0.42	3.7	1.3	0.048 U	0.68	1.1	5.6 T	8.6	0.047 U
4,4'-DDE	ug/kg	0.034 U	0.77 J	2.4 J	2 J	0.09 J	9	0.32 U	8.2 JT	6 J	0.034 U
4,4'-DDT	ug/kg	0.13 U	0.86	0.91	0.9	0.61	3.6	0.51 U	5.15 T	41 J	0.13 U
Total DDD	ug/kg	0.047 UT	1.06 T	5.7 T	2.9 T	0.19 T	0.68 T	1.1 T	11.5 T	23.6 T	0.047 UT
Total DDE	ug/kg	0.034 UT	0.77 T	2.4 T	2 T	0.09 T	9 T	0.32 UT	8.2 T	6 T	0.034 UT
Total DDT	ug/kg	0.13 UT	1.68 T	1.64 T	1.85 T	0.61 T	6.2 T	0.51 UT	10.8 T	41 T	0.13 UT

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C011-B 14.5 West 30 - 99	DPSC-C014-B 15 West 0 - 40	DPSC-C016-B 15.5 West 30 - 142	DPSC-C017-D 15.6 West 265 - 373	DPSC-C018-B 15.1 East 30 - 122	DPSC-C019-C 13.8 East 62 - 135	DPSC-C020-C 13.8 East 95-134	DPSC-C021-C* 13.6 East 120 - 228	DPSC-C022-C 13.5 East 96 - 156	DPSC-C023-B 13.3 East 31 - 80
Total DDx	ug/kg	0.13 UT	3.51 T	9.74 T	6.75 T	0.89 T	15.9 T	1.1 T	30.5 T	70.6 T	0.13 UT
Aldrin	ug/kg	0.055 U	0.12 J	0.2 U	0.055 U	0.056 U	0.055 U	0.19 J	0.055 UT	0.4 U	0.055 U
alpha-Endosulfan	ug/kg	0.025 U	0.075 J	0.2 U	0.025 U	0.026 U	0.2 U	0.32	0.058 UT	0.46 U	0.025 U
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U	0.051 U	0.047 UT	0.047 U	0.047 U
beta-Endosulfan	ug/kg	0.051 U	0.12 U	0.051 U	0.2 U	0.052 U	0.28 U	0.055 U	0.94 T	0.43 U	0.051 U
beta-Hexachlorocyclohexane	ug/kg	0.054 U	0.054 U	0.054 U	0.054 U	0.055 U	0.19 U	0.19 U	0.25 JT	0.054 U	0.054 U
cis-Chlordane	ug/kg	0.032 U	0.11 J	0.98 J	0.25 J	0.033 U	0.19 U	0.2 U	1.7 JT	0.2 U	0.032 U
cis-Nonachlor	ug/kg	0.053 U	0.35 U	0.54 U	0.71 U	0.31 U	0.49 U	0.28 U	4.3 UT	6.2 U	0.053 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.037 U	0.037 U	0.038 U	0.44 J	0.15 U	0.037 UT	0.037 U	0.2 U
Dieldrin	ug/kg	0.036 U	0.036 U	0.036 U	0.036 U	0.12 U	0.036 U	0.22 U	0.2 UT	8.8 U	0.2 U
Endosulfan sulfate	ug/kg	0.053 U	0.053 U	0.2 U	0.053 U	0.054 U	0.053 U	0.22 U	0.053 UT	4.5 U	0.053 U
Endrin	ug/kg	0.046 U	0.15 U	0.046 U	0.2 U	0.047 U	0.12 U	0.35 U	0.12 UT	1.1 U	0.046 U
Endrin aldehyde	ug/kg	0.047 U	0.2 U	0.047 U	0.047 U	0.21 U	0.2 U	0.27 U	0.2 UT	1.9 U	0.047 U
Endrin ketone	ug/kg	0.042 U	0.6 J	0.2 U	0.23 U	0.21 U	0.47 U	0.48	1.2 UT	3.9 U	0.042 U
gamma-Hexachlorocyclohexane	ug/kg	0.043 U	0.043 U	0.2 U	0.043 U	0.044 U	0.33 U	0.85 U	0.29 JT	0.57 J	0.33 J
Heptachlor	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U	0.07 U	0.075 U	0.07 UT	0.07 U	0.07 U
Heptachlor epoxide	ug/kg	0.057 U	0.2 U	0.2 U	0.24 U	0.058 U	0.45 U	0.22 U	0.29 UT	0.09 U	0.057 U
Methoxychlor	ug/kg	0.054 U	0.21 U	0.054 U	0.13 U	0.21 U	0.53 U	0.53 U	0.62 UT	1.7 U	0.054 U
Mirex	ug/kg	0.049 U	0.049 U	0.049 U	0.049 U	0.05 U	0.049 U	0.053 U	0.049 UT	0.049 U	0.049 U
Oxychlordane	ug/kg	0.34 U	0.054 U	0.29	0.054 U	0.055 U	0.2 U	0.13 U	0.59 JT	0.2 U	0.2 U
Total Chlordanes	ug/kg	0.34 UT	0.48 T	2.93 T	0.89 T	0.12 T	1.4 T	0.59 T	6.04 T	14 T	0.2 UT
Total Endosulfans	ug/kg	0.053 UT	0.075 T	0.2 UT	0.2 UT	0.054 UT	0.28 UT	0.32 T	0.94 T	4.5 UT	0.053 UT
Toxaphene	ug/kg	4.3 U	15 U	14 U	14 U	7.7 U	43 U	36 U	59 UT	260 U	4.7 U
trans-Chlordane	ug/kg	0.035 U	0.37 J	0.94	0.64	0.12 J	1.4 J	0.22 U	3.75 T	14	0.035 U
trans-Nonachlor	ug/kg	0.2 U	0.055 U	0.72	0.036 U	0.037 U	0.2 U	0.59 J	0.18 UT	0.7 U	0.036 U
<b>Petroleum</b>											
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	2.9 U	22 J	58 J	46 J	5 JT	420 J	570 JT	325 JT	490 J	62 J
Residual Range Hydrocarbons (silica gel treated)	mg/kg	6.8 U	84 J	290 J	130 J	21 JT	600 J	1450 JT	830 JT	1300 J	150 J
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	6.8 UT	106 T	348 T	176 T	21 UT	1020 T	2020 T	1155 T	1790 T	212 T
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	4.3 U	4.9 U	5 U	4.6 U	3.5 U	6.1 U	4 U	5.4 UT	5.2 U	3.7 U
2,3,5,6-Tetrachlorophenol	ug/kg	5.3 U	6 U	6.2 U	5.7 U	4.4 U	7.5 U	4.9 U	6.6 UT	6.3 U	4.6 U
2,4,5-Trichlorophenol	ug/kg	3.7 U	4.2 U	4.3 U	4 U	3.1 U	5.3 U	3.5 U	4.7 UT	4.5 U	3.3 U
2,4,6-Trichlorophenol	ug/kg	3.9 U	4.4 U	4.5 U	4.2 U	3.2 U	5.5 U	3.6 U	4.9 UT	4.6 U	3.4 U
2,4-Dichlorophenol	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 UT	1 U	1 U
2,4-Dimethylphenol	ug/kg	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	55 U	5.5 UT	5.5 U	5.5 U
2,4-Dinitrophenol	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	170 U	17 UT	17 U	17 U
2-Chlorophenol	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	20 U	2 UT	2 U	2 U
2-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	1.5 UT	1.5 U	1.5 U
2-Nitrophenol	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	1.5 UT	1.5 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	14 U	1.4 UT	1.4 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	14 U	1.4 UT	1.4 U	1.4 U
4-Methylphenol	ug/kg	1.5 U	11	80	42	1.5 U	21	120	61.5 JT	160	9.1 J
4-Nitrophenol	ug/kg	18 U	18 U	18 U	18 U	18 U	18 U	180 U	18 UT	18 U	18 U
Pentachlorophenol	ug/kg	5 U	5.7 U	5.8 U	5.4 U	4.1 U	7.1 U	4.7 U	6.3 UT	6 U	4.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C011-B 14.5 West 30 - 99	DPSC-C014-B 15 West 0 - 40	DPSC-C016-B 15.5 West 30 - 142	DPSC-C017-D 15.6 West 265 - 373	DPSC-C018-B 15.1 East 30 - 122	DPSC-C019-C 13.8 East 62 - 135	DPSC-C020-C 13.8 East 95-134	DPSC-C021-C* 13.6 East 120 - 228	DPSC-C022-C 13.5 East 96 - 156	DPSC-C023-B 13.3 East 31 - 80
Phenol	ug/kg	2.5 J	2 U	2 U	3.4 J	2 U	16 J	20 U	9.7 JT	16 J	12 J
<b>Phthalates</b>											
Bis(2-ethylhexyl) phthalate	ug/kg	8.6 J	26	110	20 J	12 J	96	94 J	123.5 JT	70 U	41
Butylbenzyl phthalate	ug/kg	3.3 J	3.2 U	16	3.2 U	3.2 U	3.2 U	32 U	3.2 UT	32 U	3.2 U
Dibutyl phthalate	ug/kg	8.3 J	11	9.9	17	7.9 U	12	79 U	28.5 T	20	12
Diethyl phthalate	ug/kg	3.5 U	3.7 U	3.6 U	5.3 U	4 U	1.3 U	13 U	4.8 UT	1.3 U	3.8 U
Dimethyl phthalate	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	10 U	17 JT	1 U	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	17 U	1.7 UT	1.7 U	1.7 U
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U	2.6 UT	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	29 U	2.9 UT	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 U	3 U	3 U	3 U	30 U	3 UT	3 U	3 U
1,4-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	4.6 J	29 U	57.5 T	4.1 J	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	1.5 UT	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	20 U	2 UT	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	16 U	1.6 UT	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	32 U	3.2 UT	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	37 U	3.7 UT	37 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 UT	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	16 U	1.6 UT	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 UT	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	14 U	1.4 UT	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 UT	1.8 U	1.8 U
Aniline	ug/kg	--	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	1.5 UT	16 J	1.5 U
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	1.1 UT	1.1 U	1.1 U
Benzoic acid	ug/kg	96 U	96 U	96 U	96 U	96 U	96 U	960 U	96 UT	96 U	96 U
Benzyl alcohol	ug/kg	2.7 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	2.1 UT	2.1 U	2.1 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	1.5 UT	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 UT	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U	2.6 UT	2.6 U	2.6 U
Carbazole	ug/kg	1.3 U	1.3 U	2.7 J	1.8 J	1.3 U	25	29 J	9.85 JT	1.3 U	1.3 U
Dibenzofuran	ug/kg	0.59 U	2.5 J	4.6	2.3 J	0.59 U	33	26	6.75 JT	15	22
Hexachlorobenzene	ug/kg	0.12 U	0.12 U	0.28	0.12 U	0.13 U	0.27 J	0.13 U	0.14 UT	0.18 J	0.2 U
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.065 U	0.065 U	0.066 U	0.065 U	0.089 U	0.1 UT	0.065 U	0.17 J
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 U	29 U	29 U	29 U	290 U	29 UT	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.08 U	0.079 U	0.085 U	0.079 UT	0.079 U	0.079 U
Isophorone	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 UT	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	22 U	2.2 UT	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	61 U	6.1 UT	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	16 U	1.6 UT	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	24 U	2.4 UT	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C024-C 13.3 East 99 - 142	DPSC-C025-D 13.1 East 247 - 330	DPSC-C026-B 13 East 30 - 147	DPSC-C027-B 12.8 East 30 - 202	DPSC-C028-B 12.7 East 30 - 58	DPSC-C029-C 12.6 East 53 - 157	DPSC-C030-B 12.5 East 30 - 99	DPSC-C031-C* 12.1 East 129 - 199	DPSC-C032-B 15.8 West 30 - 114	DPSC-C033-B 13.4 East 30 - 152
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UT	1.4 U	1 U
Aroclor 1221	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UT	1 U	1 U
Aroclor 1232	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UT	2.8 U	1 U
Aroclor 1242	ug/kg	1 U	1 U	1 U	1 U	47	1 U	1 U	1 UT	1.5 U	1 U
Aroclor 1248	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	94 T	1.7 U	1 U
Aroclor 1254	ug/kg	1 U	1 U	1 U	18	1 U	1 U	1 U	1 UT	1.8 U	1 U
Aroclor 1260	ug/kg	1 U	1 U	6.5	23	1 U	7.1	1 U	145 T	1.5 U	1 U
Aroclor 1262	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UT	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UT	1 U	1 U
Total Aroclors	ug/kg	1 UT	1 UT	6.5 T	41 T	47 T	7.1 T	1 UT	239 T	2.8 UT	1 UT
<b>Butyltins</b>											
Butyltin ion	ug/kg	0.059 U	0.043 U	0.039 U	0.052 U	0.48 U	0.043 U	0.038 U	0.83 JT	0.96 J	0.036 U
Dibutyltin ion	ug/kg	0.055 U	0.041 U	0.037 U	0.21 U	0.042 U	0.04 U	0.035 U	0.62 JT	0.047 U	0.034 U
Tetrabutyltin	ug/kg	0.14 U	0.11 U	0.091 U	0.13 U	0.11 U	0.1 U	0.088 U	0.099 UT	0.12 U	0.084 U
Tributyltin ion	ug/kg	0.11 U	0.081 U	0.073 U	0.097 U	0.083 U	0.08 U	0.07 U	0.55 JT	0.094 U	0.067 U
Total Butyltins	ug/kg	0.14 UT	0.11 UT	0.091 UT	0.21 UT	0.48 UT	0.1 UT	0.088 UT	2 T	0.96 T	0.084 UT
<b>Conventionals</b>											
Total organic carbon	percent	3.01	1.09	0.45	2.82	1.71	1.51	0.09	1.29 T	1.47	0.08
Total solids	percent	51.3	67.2	75.6	56.3	68	70	79.8	70.4 T	59.8	83.4
<b>Dioxin/Furan Homologs</b>											
Heptachlorodibenzofuran homologs	pg/g	0.0775 U	0.136 J	6.02 J	147	25.4	104	0.895 J	107 T	14.9	0.0703 U
Heptachlorodibenzo-p-dioxin homologs	pg/g	1.6 J	0.499 J	11.4	182	41.2	150	2.57 J	166 T	51.2	1.3 U
Hexachlorodibenzofuran homologs	pg/g	0.0419 U	0.0227 U	18.4	92.4	36	84.9	0.585 J	75.5 T	6.52 J	0.0289 U
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.212 J	0.0317 U	1.74 J	27.4	9.15	21.5	0.443 J	32.2 T	5.94 J	0.277 U
Octachlorodibenzofuran	pg/g	0.379 J	0.234 J	4.22 J	85	23.5	51.3	1.48 J	103.1 T	14.8	0.0956 U
Octachlorodibenzo-p-dioxin	pg/g	7.3 J	3.87 J	52.9	1230	178	828	12.3	969 T	261	4.14 U
Pentachlorodibenzofuran homologs	pg/g	0.0344 U	0.0167 U	30.8	53.9	49.1	69.9	0.203 J	61.1 T	2.05 J	0.0242 U
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.0485 U	0.0226 U	1.09 J	5.54 J	1.01 J	4.39 J	0.0259 U	7.04 JT	0.563 J	0.0295 U
Tetrachlorodibenzofuran homologs	pg/g	0.314 J	0.0198 U	9.82	22.3	37.1	26.1	0.0227 U	22.35 T	0.87 J	0.0295 U
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.0658 U	0.0299 U	0.304 J	3.91	0.641 J	0.621 J	0.0244 U	3.62 T	0.936 J	0.0282 U
Total PCDD/F	pg/g	9.81 T	4.74 T	137 T	1850 T	401 T	1341 T	18.5 T	1546 T	359 T	4.14 UT
<b>Dioxins/Furans</b>											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.211 J	0.136 J	2.47 J	56.5	9.54	43.8	0.296 J	28.8 T	3.87 J	0.0802 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	0.692 J	0.342 J	4.65 J	66.2	22.6	55.9	1.32 J	83.9 T	27.4	0.472 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.0924 U	0.0527 U	0.0644 U	1.78 J	0.796 J	1.34 J	0.0902 U	2.08 JT	0.333 J	0.0944 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.0419 U	0.0227 U	0.402 J	1.75 J	2.55 J	1.58 J	0.0483 J	5.63 JT	0.305 J	0.0289 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.0564 U	0.0317 U	0.0656 J	0.455 J	0.387 J	0.296 J	0.0308 U	0.626 JT	0.191 J	0.0622 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0456 U	0.0248 U	0.589 J	10.1	1.63 J	10.8	0.0227 U	2.83 JT	0.219 J	0.0309 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.0598 U	0.0297 U	0.236 J	3.72 J	2.04 J	2.52 J	0.0559 J	3.90 JT	1.01 J	0.0499 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.055 U	0.0322 U	0.0379 U	0.135 J	0.107 U	0.166 J	0.0249 U	0.071 JT	0.0593 U	0.0545 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.0549 U	0.029 U	0.226 J	1.21 J	1.17 J	0.949 J	0.0926 J	2.28 JT	0.545 J	0.0506 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.0348 U	0.0166 U	0.144 J	0.575 J	1.14 J	0.526 J	0.0196 U	0.632 JT	0.0356 U	0.025 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.0485 U	0.0226 U	0.118 J	0.336 J	0.5 J	0.343 J	0.0259 U	0.661 JT	0.0465 U	0.0295 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.0478 U	0.0252 U	1.39 J	4.01 J	2.46 J	4.98 J	0.0222 U	3.8 JT	0.301 J	0.0325 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C024-C	DPSC-C025-D	DPSC-C026-B	DPSC-C027-B	DPSC-C028-B	DPSC-C029-C	DPSC-C030-B	DPSC-C031-C*	DPSC-C032-B	DPSC-C033-B
		13.3 East 99 - 142	13.1 East 247 - 330	13 East 30 - 147	12.8 East 30 - 202	12.7 East 30 - 58	12.6 East 53 - 157	12.5 East 30 - 99	12.1 East 129 - 199	15.8 West 30 - 114	13.4 East 30 - 152
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.0344 U	0.0167 U	0.463 J	0.802 J	1.87 J	1.22 J	0.0425 J	1.57 JT	0.0356 U	0.0242 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.367 U	0.281 U	0.278 J	0.346 J	13.4	0.424 U	0.0227 U	0.939 JT	0.235 U	0.171 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.0658 U	0.0299 U	0.0835 J	0.195 J	0.0737 U	0.0519 U	0.0244 U	0.418 JT	0.0445 U	0.0282 U
Dioxin/furan TCDD toxicity equivalent	pg/g	0.011 T	0.006 T	0.752 T	4.60 T	3.85 T	4.13 T	0.053 T	5.04 T	0.656 T	0.0295 UT
<b>Grainsize</b>											
Medium gravel	percent	6.68	0.07	13.7	0	63	0.35	11.4	2.34 JT	0 T	27.3
Fine gravel	percent	1.69	0.56	9.84	1.03	4.78	1.03	1.51	5.49 T	0.2825 T	8.06
Very coarse sand	percent	1.34	1.06	10.2	0.69	4.41	0.99	2.75	6.65 T	0.6675 T	5.45
Coarse sand	percent	1.25	5.12	12.8	0.68	5	2.47	40.7	7.75 T	1.32 T	32.2
Medium sand	percent	4.78	18.8	13.5	1.4	6.15	25.7	44.9	19.3 T	12.75 T	30
Fine sand	percent	13.6	14.3	8.23	8.44	4.92	49.6	3.02	34.2 T	44.925 T	2.73
Very fine sand	percent	15	17.4	6.58	18.6	3.42	12.2	0.21	12.1 T	20.325 T	0.22
Coarse silt	percent	14.5	12.3	7.46	22.8	4.56	2.6	0.09	4.48 T	10.3 T	0.4
Medium silt	percent	15.8	12.1	6.32	18	3.95	1.89	0.12	2.48 T	1.125 T	0.05
Fine silt	percent	7.4	6.32	4.87	11.9	1.42	1.48	0.11	1.5 T	2.4925 T	0.1
Very fine silt	percent	4.51	3.51	3.06	5.83	0.94	1.19	0.11	1.67 T	2.8475 T	0.14
8-9 Phi clay	percent	1.89	2.1	1.84	3.99	0.65	0.7	0.06	1.24 T	2.2475 T	0.02
>9 Phi clay	percent	6.68	5.72	5.48	9.1	0.96	1.31	0.03	1.29 T	3.195 T	0
<b>Metals</b>											
Aluminum	mg/kg	27700	19800	18400	29200	16000	19300	8200	14450 T	25100	9420
Antimony	mg/kg	0.313 J	0.36	0.31	0.69	0.368 J	0.774 J	0.101 J	0.435 JT	0.138 J	0.121 J
Arsenic	mg/kg	3.02	2.8	2.72	3.07	2.18	2.58	1.08	2.71 T	2.45	1.89
Cadmium	mg/kg	0.274	0.154	0.212	0.361	0.486	0.356	0.051	1.04 T	0.132	0.052
Chromium	mg/kg	24.6	16.7	13.1	20.8	15.1	21.6	8.07	28.6 JT	23.4	9.18
Copper	mg/kg	44.7	23	20.7	29.9	37.5	36.4	14.8	40.0 T	26.8	17
Lead	mg/kg	40 J	77.5	75.5	30.8	174 J	90.3 J	3.31 J	371 JT	9.34 J	2.36 J
Mercury	mg/kg	0.366	0.136	0.067	0.467	0.993	1.32	0.012	0.315 T	0.031	0.012
Nickel	mg/kg	22.2	17.3	12.5	18.4	16.2	21.1	12.8	18.6 T	20.6	13.2
Selenium	mg/kg	0.13	0.09	0.11	0.17	0.13	0.07	0.02 U	0.06 JT	0.08	0.02 U
Silver	mg/kg	0.309	0.085 J	0.061 J	0.4 J	0.58	0.166	0.029	0.797 T	0.109	0.135
Zinc	mg/kg	111	55.7	74.8	105	134	119	34.6	218 T	65.8	38.3
<b>PAHs</b>											
C1-Chrysene	ug/kg	88	41	36	45	230	110	2.8	385 T	11	0.25 U
C1-Dibenzothiophene	ug/kg	100	41	1.3 J	3.2	130	59	0.21 U	145 T	1.4 J	0.21 U
C1-Fluoranthene/pyrene	ug/kg	130	60	19	29	290	220	4.6	210 T	26	0.61 U
C1-Fluorene	ug/kg	34	14	1.4 J	2.9	48	67	0.5 U	57 T	1.1 J	0.5 U
C1-Phenanthrene/anthracene	ug/kg	220	75	5.4	16	330	310	1.8 J	305 T	9.1	0.75 U
C2-Chrysene	ug/kg	110	57	85	82	330	100	0.25 U	250 T	15	0.25 U
C2-Dibenzothiophene	ug/kg	120	36	0.21 U	5.9	130	61	0.21 U	175 T	3.1	0.21 U
C2-Fluoranthene/pyrene	ug/kg	120	53	31	47	220	100	2.8	200 T	16	0.61 U
C2-Fluorene	ug/kg	130	50	2.4 J	4.6	210	77	0.5 U	170 T	3.4	0.5 U
C2-Naphthalene	ug/kg	90	21	3.3	3.8	77	150	0.37 U	200 T	1.8 J	0.37 U
C2-Phenanthrene/anthracene	ug/kg	430	160	17	31	480	210	2 J	410 T	9.6	0.75 U
C3-Chrysene	ug/kg	84	51	110	92	290	71	0.25 U	200 T	14	0.25 U
C3-Dibenzothiophene	ug/kg	180	42	0.21 U	12	190	65	0.21 U	185 T	3.5	0.21 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C024-C	DPSC-C025-D	DPSC-C026-B	DPSC-C027-B	DPSC-C028-B	DPSC-C029-C	DPSC-C030-B	DPSC-C031-C*	DPSC-C032-B	DPSC-C033-B
		13.3 East 99 - 142	13.1 East 247 - 330	13 East 30 - 147	12.8 East 30 - 202	12.7 East 30 - 58	12.6 East 53 - 157	12.5 East 30 - 99	12.1 East 129 - 199	15.8 West 30 - 114	13.4 East 30 - 152
C3-Fluoranthene/pyrene	ug/kg	170	62	55	58	260	74	0.61 U	195 T	10	0.61 U
C3-Fluorene	ug/kg	270	110	4.1	6.9	350	96	0.5 U	255 T	4.7	0.5 U
C3-Naphthalene	ug/kg	130	29	3.2	4.8	160	180	0.37 U	410 T	1.9 J	0.37 U
C3-Phenanthrene/anthracene	ug/kg	700	230	27	39	470	170	2.6	415 T	10	0.75 U
C4-Chrysene	ug/kg	55	30	60	50	140	24	0.25 U	96 T	0.25 U	0.25 U
C4-Naphthalene	ug/kg	160	69	2.8	8.3	230	120	0.37 U	425 T	3.7	0.37 U
C4-Phenanthrene/anthracene	ug/kg	320	110	21	19	270	74	0.75 U	160 T	5.7	0.75 U
1-Methylnaphthalene	ug/kg	27	6.8	1.5 J	1.1 J	13	24	0.31 U	24.5 T	0.79 J	0.31 U
2-Methylnaphthalene	ug/kg	44	9.9	2.5	1.4 J	28	40	0.39 U	40 T	1.3 J	0.39 U
Acenaphthene	ug/kg	21	5	0.76 J	2.6	35	130	0.23 U	37 T	0.71 J	0.23 U
Acenaphthylene	ug/kg	81	25	1 J	0.95 J	20	35	0.24 U	11.6 T	0.91 J	0.24 U
Anthracene	ug/kg	33	8.4	2 J	2.9	61	150	0.91 J	31.5 T	3	0.47 U
Benzo(a)anthracene	ug/kg	37	18	6.2	11	120	120	4.6	98.5 T	26	0.48 U
Benzo(a)pyrene	ug/kg	44	19	12	20	120	110	3.7	101 T	20	0.14 U
Benzo(b)fluoranthene	ug/kg	59	23	14	24	140	160	5.6	125 T	30	0.25 U
Benzo(e)pyrene	ug/kg	35	15	15	25	94	95	2.9	89 T	17	0.18 U
Benzo(g,h,i)perylene	ug/kg	46	19	14	24	100	100	2.9	81 T	13	0.64 U
Benzo(k)fluoranthene	ug/kg	17	6.3	3.7	5.8	46	47	2.2 J	35.5 T	11	0.15 U
Chrysene	ug/kg	42	25	7.2	14	160	140	4.4	135 T	29	0.25 U
Dibenzo(a,h)anthracene	ug/kg	8.6	2.6	3	6.9	55	18	0.85 J	23 T	4	0.28 U
Dibenzothiophene	ug/kg	12	3.9	0.61 J	0.88 J	35	88	0.21 U	27.5 T	0.5 J	0.21 U
Fluoranthene	ug/kg	220	71	11	16	480	910	7.2	245 T	42	0.61 U
Fluorene	ug/kg	38	12	0.96 J	0.92 J	59	280	0.5 U	44.5 T	1.1 J	0.5 U
Indeno(1,2,3-cd)pyrene	ug/kg	42	17	9.5	19	91	96	3.3	75.5 T	14	0.28 J
Naphthalene	ug/kg	290	73	3.3	2.1 J	88	150	1 J	32 T	4.2	0.97 U
Perylene	ug/kg	57	39	18	12	98	60	1.8 J	49 T	18	1.3 J
Phenanthrene	ug/kg	230	71	6.5	8.1	440	1500	2 J	265 T	12	0.75 U
Pyrene	ug/kg	180	68	16	27	390	660	6.6	280 T	41	0.37 U
Total C1-PAHs	ug/kg	572 T	231 T	63.1 T	96.1 T	1028 T	766 T	9.2 T	1102 T	48.6 T	0.75 UT
Total C2-PAHs	ug/kg	1000 T	377 T	138.7 T	174.3 T	1447 T	698 T	4.8 T	1405 T	48.9 T	0.75 UT
Total C3-PAHs	ug/kg	1534 T	524 T	199.3 T	212.7 T	1720 T	656 T	2.6 T	1660 T	44.1 T	0.75 UT
Total C4-PAHs	ug/kg	535 T	209 T	83.8 T	77.3 T	640 T	218 T	0.75 UT	681 T	9.4 T	0.75 UT
Total HPAHs	ug/kg	696 T	269 T	96.6 T	168 T	1702 T	2361 T	41.4 T	1199 T	230 T	0.28 T
Total LPAHs	ug/kg	737 T	204 T	17 T	19 T	731 T	2285 T	3.91 T	462 T	23.2 T	0.97 UT
Total PAHs	ug/kg	1433 T	473 T	114 T	187 T	2433 T	4646 T	45.3 T	1661 T	253 T	0.28 T
<b>Pesticides</b>											
2,4'-DDD	ug/kg	0.2 U	0.075 U	0.61	1.9	0.46 U	0.24 U	0.032 U	18.5 JT	0.12 J	0.032 U
2,4'-DDE	ug/kg	0.03 U	0.03 U	0.16 U	0.25 U	0.03 U	0.54	0.045 U	0.3 UT	0.044 U	0.03 U
2,4'-DDT	ug/kg	0.2 U	0.03 U	0.2 U	1.7 J	1.6	0.41 J	0.03 U	14 JT	0.2 U	0.03 U
4,4'-DDD	ug/kg	0.048 U	0.047 U	1.8 J	2.9	1.5	0.85	0.047 U	22 T	0.29	0.047 U
4,4'-DDE	ug/kg	0.034 U	0.034 U	0.93 J	6	0.27 U	0.59 J	0.034 U	6.5 JT	0.58	0.034 U
4,4'-DDT	ug/kg	0.13 U	0.13 U	0.51	1.6	1.1	0.41 U	0.13 U	240 JT	0.13 U	0.13 U
Total DDD	ug/kg	0.2 UT	0.075 UT	2.41 T	4.8 T	1.5 T	0.85 T	0.047 UT	40.5 T	0.41 T	0.047 UT
Total DDE	ug/kg	0.034 UT	0.034 UT	0.93 T	6 T	0.27 UT	1.13 T	0.045 UT	6.5 T	0.58 T	0.034 UT
Total DDT	ug/kg	0.2 UT	0.13 UT	0.51 T	3.3 T	2.7 T	0.41 T	0.13 UT	254 T	0.2 UT	0.13 UT

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.



**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C024-C	DPSC-C025-D	DPSC-C026-B	DPSC-C027-B	DPSC-C028-B	DPSC-C029-C	DPSC-C030-B	DPSC-C031-C*	DPSC-C032-B	DPSC-C033-B
		13.3 East 99 - 142	13.1 East 247 - 330	13 East 30 - 147	12.8 East 30 - 202	12.7 East 30 - 58	12.6 East 53 - 157	12.5 East 30 - 99	12.1 East 129 - 199	15.8 West 30 - 114	13.4 East 30 - 152
Total DDx	ug/kg	0.2 UT	0.13 UT	3.85 T	14.1 T	4.2 T	2.39 T	0.13 UT	301 T	0.99 T	0.13 UT
Aldrin	ug/kg	0.083 U	0.055 U	0.055 U	0.22 J	0.055 U	0.055 U	0.055 U	0.63 UJT	0.055 U	0.055 U
alpha-Endosulfan	ug/kg	0.025 U	0.025 U	0.025 U	0.058 U	0.17 U	0.051 U	0.025 U	0.72 JT	0.15 J	0.025 U
alpha-Hexachlorocyclohexane	ug/kg	0.047 U	0.047 U	0.047 U	0.047 U	0.059 J	0.047 U	0.047 U	0.26 JT	0.047 U	0.047 U
beta-Endosulfan	ug/kg	0.051 U	0.051 U	0.051 U	0.25 U	0.051 U	0.051 U	0.051 U	1.8 JT	0.051 U	0.051 U
beta-Hexachlorocyclohexane	ug/kg	0.096 U	0.054 U	0.054 U	0.054 U	0.054 U	0.076 J	0.054 U	0.745 T	0.2 U	0.054 U
cis-Chlordane	ug/kg	0.032 U	0.032 U	0.032 U	0.2 U	0.12 U	0.2 U	0.032 U	1.6 JT	0.11 J	0.032 U
cis-Nonachlor	ug/kg	0.18 J	0.053 U	0.42 J	1.3 U	1.3 U	0.053 U	0.053 U	10 UT	0.053 U	0.053 U
delta-Hexachlorocyclohexane	ug/kg	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 UT	0.037 U	0.037 U
Dieldrin	ug/kg	0.036 U	0.036 U	0.036 U	0.2 U	0.036 U	0.036 U	0.036 U	7.45 T	0.036 U	0.036 U
Endosulfan sulfate	ug/kg	0.053 U	0.053 U	0.053 U	0.64 U	0.2 U	0.053 U	0.053 U	0.053 UT	0.2 U	0.053 U
Endrin	ug/kg	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.31 UT	0.046 U	0.046 U
Endrin aldehyde	ug/kg	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.2 UT	0.047 U	0.047 U
Endrin ketone	ug/kg	0.042 U	0.042 U	0.2 U	0.39 U	0.2 U	0.19 J	0.042 U	1.3 UT	0.042 U	0.042 U
gamma-Hexachlorocyclohexane	ug/kg	0.89	0.24	0.12 J	0.18 J	0.46 J	0.5	0.043 U	0.68 JT	0.2 U	0.043 U
Heptachlor	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 UT	0.07 U	0.07 U
Heptachlor epoxide	ug/kg	0.057 U	0.057 U	0.057 U	0.079 U	0.2 U	0.057 U	0.057 U	0.057 UT	0.057 U	0.057 U
Methoxychlor	ug/kg	0.16 U	0.054 U	0.49 U	0.51 U	0.38	0.21 J	0.054 U	1.3 UT	0.4 U	0.054 U
Mirex	ug/kg	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.22 UT	0.049 U	0.049 U
Oxychlordane	ug/kg	0.054 U	0.054 U	0.19 U	0.24 J	0.057 U	0.054 U	0.52 U	0.054 UT	0.054 U	0.054 U
Total Chlordanes	ug/kg	0.18 T	0.054 UT	0.42 T	1.17 T	1.2 T	0.2 UT	0.52 UT	8.1 T	0.187 T	0.054 UT
Total Endosulfans	ug/kg	0.053 UT	0.053 UT	0.053 UT	0.64 UT	0.2 UT	0.053 UT	0.053 UT	2.52 T	0.15 T	0.053 UT
Toxaphene	ug/kg	16 U	4.3 U	12 U	39 U	21 U	13 U	4.3 U	110 UT	6.1 U	4.3 U
trans-Chlordane	ug/kg	0.035 U	0.035 U	0.2 U	0.93 J	1.2	0.094 U	0.035 U	6.5 JT	0.077 J	0.035 U
trans-Nonachlor	ug/kg	0.036 U	0.036 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.58 UT	0.044 U	0.036 U
<b>Petroleum</b>											
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	455 JT	170 J	34 J	280 J	310 J	155 JT	4.3 U	320 JT	21 J	2.2 U
Residual Range Hydrocarbons (silica gel treated)	mg/kg	965 JT	320 J	120 J	510 J	800 J	425 JT	22 U	1000 JT	160 J	5.2 U
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	1420 T	490 T	154 T	790 T	1110 T	580 T	22 UT	1320 T	181 T	5.2 UT
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	5.9 U	4.5 U	4 U	5.3 U	4.4 U	4.3 U	3.8 U	4.3 UT	5 U	3.6 U
2,3,5,6-Tetrachlorophenol	ug/kg	7.3 U	5.5 U	4.9 U	6.5 U	5.5 U	5.3 U	4.7 U	5.3 UT	6.1 U	4.5 U
2,4,5-Trichlorophenol	ug/kg	5.1 U	3.9 U	3.5 U	4.6 U	3.9 U	3.7 U	3.3 U	3.7 UT	4.3 U	3.2 U
2,4,6-Trichlorophenol	ug/kg	5.3 U	4 U	3.6 U	4.8 U	4 U	3.9 U	3.4 U	3.8 UT	4.5 U	3.3 U
2,4-Dichlorophenol	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 UT	1 U	1 U
2,4-Dimethylphenol	ug/kg	5.5 U	5.6 U	5.5 U	--	5.5 U	5.5 U	5.5 U	5.5 UT	5.5 U	5.5 U
2,4-Dinitrophenol	ug/kg	17 U	18 U	17 U	17 U	17 U	17 U	17 U	17 UT	17 U	17 U
2-Chlorophenol	ug/kg	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U
2-Methylphenol	ug/kg	6.9 J	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U
2-Nitrophenol	ug/kg	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT	1.4 U	1.4 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT	1.4 U	1.4 U
4-Methylphenol	ug/kg	330	46	5.4 J	66	120	240	1.5 U	13 T	1.5 U	1.5 U
4-Nitrophenol	ug/kg	18 U	19 U	18 U	18 U	18 U	18 U	18 U	18 UT	18 U	18 U
Pentachlorophenol	ug/kg	6.9 U	5.2 U	4.7 U	6.2 U	5.2 U	5 U	4.4 U	5 UT	5.8 U	4.2 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3a**  
**Analytical Results of Subsurface Sediment Samples - DPSC Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C024-C 13.3 East 99 - 142	DPSC-C025-D 13.1 East 247 - 330	DPSC-C026-B 13 East 30 - 147	DPSC-C027-B 12.8 East 30 - 202	DPSC-C028-B 12.7 East 30 - 58	DPSC-C029-C 12.6 East 53 - 157	DPSC-C030-B 12.5 East 30 - 99	DPSC-C031-C* 12.1 East 129 - 199	DPSC-C032-B 15.8 West 30 - 114	DPSC-C033-B 13.4 East 30 - 152
Phenol	ug/kg	22 J	6.3 J	2 U	9.4 J	2 U	18 J	2 U	2 UT	8.6 J	2 U
<b>Phthalates</b>											
Bis(2-ethylhexyl) phthalate	ug/kg	7 U	11 J	7 U	23	150	33	15 J	815 T	3800	7.5 J
Butylbenzyl phthalate	ug/kg	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	33 T	3.2 U	3.6 J
Dibutyl phthalate	ug/kg	7.9 U	10 J	13	7.9 U	17	11	7.9 U	20.5 T	12	7.9 U
Diethyl phthalate	ug/kg	3.3 U	4.8 U	2.1 U	1.3 U	1.3 U	2.8 U	2.7 U	12 UT	4 U	3 U
Dimethyl phthalate	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 UT	1 U	1 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT	1.7 U	1.7 U
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 UT	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	2.9 U	3 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 UT	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	3 U	3.1 U	3 U	3 U	3 U	3 U	3 U	3 UT	3 U	3 U
1,4-Dichlorobenzene	ug/kg	2.9 U	3 U	2.9 U	2.9 U	24	130	2.9 U	315 T	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U
2-Chloronaphthalene	ug/kg	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT	1.6 U	1.6 U
2-Nitroaniline	ug/kg	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 UT	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.8 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 UT	3.7 U	3.7 U
3-Nitroaniline	ug/kg	2.5 U	2.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UT	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT	1.6 U	1.6 U
4-Chloroaniline	ug/kg	1.9 U	2 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UT	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT	1.4 U	1.4 U
4-Nitroaniline	ug/kg	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UT	1.8 U	1.8 U
Aniline	ug/kg	1.5 U	--	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	--	28	1.5 U
Azobenzene	ug/kg	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UT	1.1 U	1.1 U
Benzoic acid	ug/kg	96 U	97 U	96 U	110 J	100 J	96 U	96 U	96 UT	96 U	96 U
Benzyl alcohol	ug/kg	8.6 J	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UT	2.1 U	2.1 U
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	2 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UT	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 UT	2.6 U	2.6 U
Carbazole	ug/kg	9.7 J	1.4 U	4.1 J	1.3 U	15	18	1.3 U	14 T	2.2 J	1.3 U
Dibenzofuran	ug/kg	31	7.9	1.1 J	0.59 U	23	100	0.59 U	10.5 T	0.61 J	0.59 U
Hexachlorobenzene	ug/kg	0.12 U	0.12 U	0.12 U	0.2 J	0.2 U	0.12 U	0.12 U	0.21 UT	0.12 U	0.12 U
Hexachlorobutadiene	ug/kg	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 UT	0.065 U	0.065 U
Hexachlorocyclopentadiene	ug/kg	29 U	30 U	29 U	29 U	29 U	29 U	29 U	29 UT	29 U	29 U
Hexachloroethane	ug/kg	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 UT	0.079 U	0.079 U
Isophorone	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 UT	1 U	1 U
Nitrobenzene	ug/kg	2.2 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 UT	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.2 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 UT	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.5 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 UT	2.4 U	2.4 U

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C034-A 14 West 0 - 59	DPSC-C034-B 14 West 59 - 101	DPSC-C035-A 14.1 West 0 - 61	DPSC-C035-B 14.1 West 61 - 108	DPSC-C036-A 14.1 West 0 - 60	DPSC-C036-B 14.1 West 60 - 68	DPSC-C037-A 14.2 West 0 - 60	DPSC-C037-B 14.2 West 60 - 68	DPSC-C038-A 14.2 West 0 - 60
<b>PCB Aroclors</b>										
Aroclor 1016	ug/kg	4.8 U	4.6 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1221	ug/kg	2 U	2.4 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1232	ug/kg	6.4 U	5 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1242	ug/kg	6.6 U	4.8 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1248	ug/kg	5.3 U	4.4 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1254	ug/kg	7.6 U	7.2 U	41	9 J	30	13	75	26	1 U
Aroclor 1260	ug/kg	8.5	12	1 U	9.3	21	11	1 U	1 U	1 U
Aroclor 1262	ug/kg	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Aroclor 1268	ug/kg	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Total Aroclors	ug/kg	8.5 T	12 T	41 T	18.3 T	51 T	24 T	75 T	26 T	1 UT
<b>Butyltins</b>										
Butyltin ion	ug/kg	0.26 U	0.3 U	0.27 U	0.52 J	0.46 J	0.42 J	0.28 U	0.23 U	0.25 U
Dibutyltin ion	ug/kg	0.29 U	0.34 U	0.31 U	0.042 U	0.54 J	1.4	0.32 U	0.26 U	0.28 U
Tetrabutyltin	ug/kg	0.56 U	0.67 U	0.61 U	0.11 U	0.67 U	0.56 U	0.63 U	0.51 U	0.55 U
Tributyltin ion	ug/kg	0.36 U	0.43 U	0.39 U	0.084 U	0.72 J	0.9 J	0.4 U	0.32 U	0.35 U
Total Butyltins	ug/kg	0.56 UT	0.67 UT	0.61 UT	0.52 T	1.72 T	2.72 T	0.63 UT	0.51 UT	0.55 UT
<b>Conventionals</b>										
Ammonia	mg/kg	36.6	110	51.3	224 T	137	69.5	2.5	2.4	27.9
Sulfide	mg/kg	--	--	--	14 T	--	--	--	--	--
Total organic carbon	percent	0.52	1.33	0.71	1.72T	0.99	0.395 T	0.55	--	0.52
Total solids	percent	82.7 T	70.6	75.7	66.7 T	69.7	82.8	72.6	89.8	82.9
<b>EPH</b>										
C8-C10 Aliphatics	ug/kg	2400 U	2700 U	2700 U	2900 UT	2700 U	2400 U	6600	2600	2400 U
C8-C10 Aromatics	ug/kg	2400 U	2700 U	2700 U	2900 UT	2700 U	2400 U	2500 U	2300 U	2400 U
C10-C12 Aliphatics	ug/kg	2400 U	2700 U	2700 U	2900 UT	2700 U	2400 U	5400	2500	2400 U
C10-C12 Aromatics	ug/kg	2400 U	2700 U	2700 U	2900 UT	2700 U	2400 U	2500 U	2300 U	2400 U
C12-C16 Aliphatics	ug/kg	2400 U	2700 U	2700 U	3900	2700 U	2400 U	16000	8800	2400 U
C12-C16 Aromatics	ug/kg	2400 U	2700 U	2700 U	2900 U	2700 U	2400 U	2500 U	2300 U	2400 U
C16-C21 Aliphatics	ug/kg	2800	8100	2700 U	5000	3700	2400 U	47000	30000	2400 U
C16-C21 Aromatics	ug/kg	2400 U	2700 U	3200	2900 U	2700 U	2400 U	15000	4200	2400 U
C21-C34 Aliphatics	ug/kg	190000	38000	45000	78000	62000	35000	340000	180000	34000
C21-C34 Aromatics	ug/kg	140000	9700	5600	21000	6000	2400 U	72000	32000	3500
<b>Grainsize</b>										
0.001MM	percent	--	--	--	14.85 T	--	--	--	--	--
0.005MM	percent	--	--	--	34.2 T	--	--	--	--	--
0.074MM	percent	--	--	--	66.65 T	--	--	--	--	--
19.0MM	percent	--	--	--	100 T	--	--	--	--	--
9.50MM	percent	--	--	--	100 T	--	--	--	--	--
Medium gravel	percent	90.75 T	100	100	99.95 T	100	100	100	7.3	100
Fine gravel	percent	82.75 T	100	89.2	99.9 T	100	88.5	100	44.7	84.1
Very coarse sand	percent	62.05 T	98.8	80.7	99.25 T	95.7	69.2	67.9	13.2	58.4
Coarse sand	percent	48.45 T	97.6	76.5	98.4 T	91.9	61.7	53.9	9.33	47.4
Medium sand	percent	34.65 T	84.4	68.1	96.15 T	81.4	47.7	36.4	5.93	33.6
Fine sand	percent	16.85 T	40.1	48.1	71.5 T	48.5	24.8	18.9	2.99	21.7

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C034-A 14 West 0 - 59	DPSC-C034-B 14 West 59 - 101	DPSC-C035-A 14.1 West 0 - 61	DPSC-C035-B 14.1 West 61 - 108	DPSC-C036-A 14.1 West 0 - 60	DPSC-C036-B 14.1 West 60 - 68	DPSC-C037-A 14.2 West 0 - 60	DPSC-C037-B 14.2 West 60 - 68	DPSC-C038-A 14.2 West 0 - 60
Very fine sand	percent	13.15 T	31.4	42.3	62.85 T	39.3	18.8	15.2	2.48	19
<b>Metals</b>										
Aluminum	mg/kg	10300	19300	17900	--	16800	13300	13700	7180	13100 T
Antimony	mg/kg	0.26	0.67	0.97	0.31	1.13	1.55	0.57	0.57	0.305 T
Arsenic	mg/kg	1.59	1.86	2.12	3.19	2.96	1.67	3.93	2.81	1.94 T
Cadmium	mg/kg	0.18	0.202	0.246	0.254	0.349	0.206	0.192	0.113	0.132 T
Chromium	mg/kg	8.7	15.8	13.9	23.9 J	15.5	11.1	13.6	5.09	8.815 T
Copper	mg/kg	23.3	56.4	40.1	32 J	47.7	34.7	31.1	18	21.15 T
Lead	mg/kg	62.7	18.4	51.4	16.2 J	83	49	33	14.9	30.15 T
Mercury	mg/kg	0.048	0.269 T	0.302	0.419	0.081	0.032	0.017	1.58	0.033
Nickel	mg/kg	10.9	17.2	16	23.1	17.3	26.3	11.4	6.77	11.55 T
Selenium	mg/kg	0.5 U	0.8 U	0.8 U	--	0.8 U	0.5 U	0.6 U	0.3 U	0.5 UT
Silver	mg/kg	0.09	0.2	0.18	0.633 J	0.16	0.11	0.14	0.04	0.095 T
Zinc	mg/kg	80.6	104	178	127	101	158	175	45.8	66.65 T
<b>PAHs</b>										
2-Methylnaphthalene	ug/kg	11 U	19 J	15 J	13	16	2.7 J	3.4 J	2.2 U	7.5 J
Acenaphthene	ug/kg	7 U	8.4 J	11 J	4.7 J	14	1.4 U	1.4 U	1.4 U	3.4 J
Acenaphthylene	ug/kg	6 U	24 J	100	13	8.1 J	1.8 J	1.2 U	1.2 U	11
Anthracene	ug/kg	9 J	13 J	83	8.4 J	22	2.6 J	4.4 J	1.7 J	5 J
Benzo(a)anthracene	ug/kg	22 J	17 J	210	12	55	8.7 J	15	6.1 J	7.8 J
Benzo(a)pyrene	ug/kg	20 J	19 J	460	16	49	9.4 J	16	6.2 J	12
Benzo(b)fluoranthene	ug/kg	34 J	31 J	560	18	63	12	17	8.2 J	14
Benzo(g,h,i)perylene	ug/kg	26 J	25 J	570	16	32	8.4 J	14	7.6 J	19
Benzo(k)fluoranthene	ug/kg	7 U	10 J	160	6.4 J	23	5.4 J	6.7 J	3 J	4.4 J
Chrysene	ug/kg	29 J	23 J	470	18	66	14	22	10	14
Dibenzo(a,h)anthracene	ug/kg	7.5 U	7.5 U	70	1.5 U	8.9 J	1.5 U	1.5 U	1.5 U	1.5 U
Fluoranthene	ug/kg	35 J	85	900	44	120	18	24	12	31
Fluorene	ug/kg	5.5 U	12 J	27 J	10	15	1.1 U	1.1 U	1.1 U	4.4 J
Indeno(1,2,3-cd)pyrene	ug/kg	19 J	17 J	480	14	34	8.4 J	13	7.5 J	12
Naphthalene	ug/kg	12 U	110	62	37	12	3 J	2.8 J	2.3 U	38
Phenanthrene	ug/kg	34 J	76	770	43	100	11	20	6 J	28
Pyrene	ug/kg	45 J	90	1100	51	100	19	40	18	35
Total HPAHs	ug/kg	230 T	317 T	4980 T	195 T	551 T	103 T	168 T	78.6 T	149 T
Total LPAHs	ug/kg	43 T	262 T	1068 T	129T	187 T	21.1 T	30.6 T	7.7 T	97.3 T
Total PAHs	ug/kg	273 T	579 T	6048 T	325 T	738 T	124 T	198 T	86.3 T	247 T
<b>Pesticides</b>										
2,4'-DDD	ug/kg	0.77 J	0.98 J	1.1 U	1	0.65 U	0.5 U	0.91 U	0.5 U	0.052 U
2,4'-DDE	ug/kg	0.25 U	0.25 U	0.25 U	0.21 U	0.26 U	0.25 U	1.2 J	0.25 U	0.25 U
2,4'-DDT	ug/kg	0.72 U	1.2 J	3.1	0.79	2.7 J	1.3	5	1.7	0.066 U
4,4'-DDD	ug/kg	2.2	1.5	1.9	1.6	0.61 J	1.2 J	0.25 J	0.19 J	0.091 U
4,4'-DDE	ug/kg	1.4	1.2 J	2 J	2.2	0.76 U	0.5 U	0.5 U	0.17 U	0.17 U
4,4'-DDT	ug/kg	0.69	0.83 J	4.4	0.9	3.5 J	1.3	3.9	1.4	0.13 J
Total DDD	ug/kg	2.97 T	2.48 T	1.9 T	2.6 T	0.61 T	1.2 T	0.25 T	0.19 T	0.091 UT
Total DDE	ug/kg	1.4 T	1.2 T	2 T	2.2 T	0.76 UT	0.5 UT	1.2 T	0.25 UT	0.25 UT
Total DDT	ug/kg	0.69 T	2.03 T	7.5 T	1.69 T	6.2 T	2.6 T	8.9 T	3.1 T	0.13 T

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C034-A 14 West 0 - 59	DPSC-C034-B 14 West 59 - 101	DPSC-C035-A 14.1 West 0 - 61	DPSC-C035-B 14.1 West 61 - 108	DPSC-C036-A 14.1 West 0 - 60	DPSC-C036-B 14.1 West 60 - 68	DPSC-C037-A 14.2 West 0 - 60	DPSC-C037-B 14.2 West 60 - 68	DPSC-C038-A 14.2 West 0 - 60
Total DDX	ug/kg	5.06 T	5.71 T	11.4 T	6.49 T	6.81 T	3.8 T	10.4 T	3.29 T	0.13 T
Aldrin	ug/kg	0.091 U	0.063 U	0.063 U	0.056 U	0.064 U	0.063 U	0.063 U	0.063 U	0.063 U
alpha-Endosulfan	ug/kg	0.12 U	0.12 U	0.12 U	0.026 U	0.25 J	0.5 U	0.12 U	0.12 U	0.12 U
alpha-Hexachlorocyclohexane	ug/kg	0.061 U	0.061 U	0.061 U	0.048 U	0.062 U	0.061 U	0.061 U	0.061 U	0.061 U
beta-Endosulfan	ug/kg	0.17 J	0.18 J	1.1 U	0.097 U	0.1 U	0.099 U	1.8 U	0.56 U	0.099 U
beta-Hexachlorocyclohexane	ug/kg	0.09 U	0.09 U	0.09 U	0.055 U	0.11 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-Chlordane	ug/kg	0.43 J	0.075 U	0.075 U	0.033 U	0.13 U	0.075 U	0.075 U	0.2 J	0.075 U
cis-Nonachlor	ug/kg	0.5 U	0.86 J	1.7 U	0.59 U	1.5 U	0.043 U	0.5 U	0.043 U	0.043 U
delta-Hexachlorocyclohexane	ug/kg	0.071 U	0.071 U	0.071 U	0.038 U	0.072 U	0.071 U	0.071 U	0.071 U	0.099 J
Dieldrin	ug/kg	0.073 U	0.38 U	0.073 U	0.037 U	0.51 U	0.073 U	0.5 U	0.5 U	0.073 U
Endosulfan sulfate	ug/kg	0.11 U	0.29 J	0.45 U	0.19 U	0.59 U	0.07 U	0.07 U	0.07 U	0.22 U
Endrin	ug/kg	0.074 U	0.36 U	2.4	0.047 U	1.2 J	0.68 U	2.7 U	0.94 U	0.074 U
Endrin aldehyde	ug/kg	0.086 U	0.5 U	0.56 J	0.048 U	0.32 U	0.19 U	0.51 J	0.2 J	0.076 U
Endrin ketone	ug/kg	0.5 U	0.24 U	0.52 U	0.21 U	0.44 U	0.081 U	0.62 U	0.3 U	0.081 U
gamma-Hexachlorocyclohexane	ug/kg	0.085 U	0.21 U	0.085 U	0.044 U	0.086 U	0.085 U	0.085 U	0.085 U	0.085 U
Heptachlor	ug/kg	0.32 U	0.074 U	0.074 U	0.071 U	0.075 U	0.074 U	0.074 U	0.074 U	0.074 U
Heptachlor epoxide	ug/kg	0.13 U	0.26 U	0.5 U	0.21 U	0.51 U	0.5 U	0.5 U	0.5 U	0.086 U
Methoxychlor	ug/kg	0.21 U	0.21 U	0.21 U	0.16 U	0.28 U	0.23 U	0.5 U	0.21 U	0.21 U
Mirex	ug/kg	0.075 U	0.075 U	0.075 U	0.05 U	0.076 U	0.075 U	0.075 U	0.075 U	0.075 U
Oxychlordane	ug/kg	0.22 U	0.22 U	0.22 U	0.21 U	0.51 U	0.22 U	0.22 U	0.22 U	0.22 U
Total Chlordanes	ug/kg	1.39 T	0.86 T	1.6 T	0.65 T	1.5 UT	0.23 UT	1.9 T	1.3 T	0.22 UT
Total Endosulfans	ug/kg	0.17 T	0.47 T	1.1 UT	0.19 UT	0.25 T	0.5 UT	1.8 UT	0.56 UT	0.22 UT
Toxaphene	ug/kg	14 U	22 U	20 U	13 U	15 U	8.9 U	25 U	11 U	8.9 U
trans-Chlordane	ug/kg	0.81	0.39 U	1.6 J	0.4	0.51 U	0.075 U	1.9 J	1.1 J	0.075 U
trans-Nonachlor	ug/kg	0.15 J	0.11 U	0.11 U	0.25	0.12 U	0.23 U	0.11 U	0.11 U	0.11 U
<b>Phenols</b>										
2,4-Dichlorophenol	ug/kg	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,4-Dimethylphenol	ug/kg	28 U	28 U	28 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 UJ	5.5 U
2,4-Dinitrophenol	ug/kg	85 U	85 U	85 U	17 U	17 U	17 U	17 U	17 UJ	17 U
2-Chlorophenol	ug/kg	10 U	10 U	10 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Methylphenol	ug/kg	7.5 U	7.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
2-Nitrophenol	ug/kg	7.5 U	7.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
4,6-Dinitro-2-methylphenol	ug/kg	7 U	7 U	7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U
4-Chloro-3-methylphenol	ug/kg	7 U	7 U	7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U
4-Methylphenol	ug/kg	7.5 U	48 J	7.5 U	160	64	1.5 U	1.5 U	1.5 UJ	8.5 J
4-Nitrophenol	ug/kg	90 U	90 U	90 U	18 U	18 U	18 U	18 U	18 UJ	18 U
Phenol	ug/kg	10 U	10 U	10 U	2 U	6.5 J	2.6 J	2 U	2 UJ	24 J
<b>Phthalates</b>										
Bis(2-ethylhexyl) phthalate	ug/kg	58 J	35 U	40 J	13 J	53	25	110	69	18 J
Butylbenzyl phthalate	ug/kg	16 U	16 U	16 U	3.2 U	21	8 J	3.2 U	3.2 U	7 U
Dibutyl phthalate	ug/kg	40 U	40 U	40 U	7.9 U	27	10	14	12	9 J
Diethyl phthalate	ug/kg	6.5 U	6.5 U	6.5 U	4.2 U	1.3 U	3.5 U	1.3 U	1.3 U	2.3 U
Dimethyl phthalate	ug/kg	150 U	470	180 U	1 U	400	160	170	330	15 U
Di-n-octyl phthalate	ug/kg	8.5 U	8.5 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
<b>SVOCs</b>										

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C034-A 14 West 0 - 59	DPSC-C034-B 14 West 59 - 101	DPSC-C035-A 14.1 West 0 - 61	DPSC-C035-B 14.1 West 61 - 108	DPSC-C036-A 14.1 West 0 - 60	DPSC-C036-B 14.1 West 60 - 68	DPSC-C037-A 14.2 West 0 - 60	DPSC-C037-B 14.2 West 60 - 68	DPSC-C038-A 14.2 West 0 - 60
1,2,4-Trichlorobenzene	ug/kg	13 U	13 U	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
1,2-Dichlorobenzene	ug/kg	15 U	15 U	15 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
1,3-Dichlorobenzene	ug/kg	15 U	15 U	15 U	3 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	ug/kg	15 U	15 U	15 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
2,4-Dinitrotoluene	ug/kg	7.5 U	7.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/kg	10 U	10 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	ug/kg	8 U	8 U	8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
2-Nitroaniline	ug/kg	16 U	16 U	16 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
3,3'-Dichlorobenzidine	ug/kg	19 U	19 U	19 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
3-Nitroaniline	ug/kg	13 U	13 U	13 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/kg	8 U	8 U	8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Chloroaniline	ug/kg	9.5 U	9.5 U	9.5 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	7 U	7 U	7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Nitroaniline	ug/kg	9 U	9 U	9 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aniline	ug/kg	7.5 U	7.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Azobenzene	ug/kg	5.5 U	5.5 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Benzoic acid	ug/kg	--	--	--	96 U	110 J	--	--	--	--
Benzyl alcohol	ug/kg	11 U	11 U	11 U	2.1 U	2.1 U	2.1 U	18 J	2.1 U	12 J
Bis(2-chloroethoxy) methane	ug/kg	7.5 U	7.5 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Bis(2-chloroethyl) ether	ug/kg	9.5 U	9.5 U	9.5 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Bis(2-chloroisopropyl) ether	ug/kg	13 U	13 U	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Carbazole	ug/kg	6.5 U	6.5 U	44 J	1.3 U	9.5 J	3.4 J	1.3 U	1.3 U	1.7 J
Dibenzofuran	ug/kg	6 U	7.9 J	6 U	5.3 J	9 J	1.2 U	1.2 U	1.2 U	3.8 J
Hexachlorobenzene	ug/kg	0.11 U	0.11 U	0.11 U	0.17 J	0.12 U	0.11 U	0.24 J	0.11 U	0.11 U
Hexachlorobutadiene	ug/kg	0.062 U	0.062 U	0.062 U	0.066 U	0.063 U	0.062 U	0.5 U	0.062 U	0.062 U
Hexachlorocyclopentadiene	ug/kg	150 U	150 U	150 U	29 U	29 U	29 U	29 U	29 U	29 U
Hexachloroethane	ug/kg	0.037 U	0.037 U	0.037 U	0.08 U	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U
Isophorone	ug/kg	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	ug/kg	11 U	11 U	11 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
N-Nitrosodimethylamine	ug/kg	31 U	31 U	31 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
N-Nitrosodiphenylamine	ug/kg	8 U	8 U	8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
N-Nitrosodipropylamine	ug/kg	12 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
<b>VPH</b>										
Benzene	ug/kg	--	--	--	3300 U	--	--	--	--	--
Docane	ug/kg	--	--	--	3300 U	--	--	--	--	--
Dodecane	ug/kg	--	--	--	3300 U	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	3300 U	--	--	--	--	--
m,p-Xylene	ug/kg	--	--	--	6700 U	--	--	--	--	--
Methyl tert-butyl ether	ug/kg	--	--	--	3300 U	--	--	--	--	--
n-Hexane	ug/kg	--	--	--	3300 U	--	--	--	--	--
Octane	ug/kg	--	--	--	3300 U	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	3300 U	--	--	--	--	--
Pentane	ug/kg	--	--	--	3300 U	--	--	--	--	--
Toluene	ug/kg	--	--	--	3300 U	--	--	--	--	--
C5-C6 Aliphatics	ug/kg	--	--	--	33000 U	--	--	--	--	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C034-A 14 West 0 - 59	DPSC-C034-B 14 West 59 - 101	DPSC-C035-A 14.1 West 0 - 61	DPSC-C035-B 14.1 West 61 - 108	DPSC-C036-A 14.1 West 0 - 60	DPSC-C036-B 14.1 West 60 - 68	DPSC-C037-A 14.2 West 0 - 60	DPSC-C037-B 14.2 West 60 - 68	DPSC-C038-A 14.2 West 0 - 60
C6-C8 Aliphatics	ug/kg	--	--	--	33000 U	--	--	--	--	--
C8-C10 Aliphatics	ug/kg	--	--	--	33000 UT	--	--	--	--	--
C8-C10 Aromatics	ug/kg	--	--	--	33000 UT	--	--	--	--	--
C10-C12 Aliphatics	ug/kg	--	--	--	33000 UT	--	--	--	--	--
C10-C12 Aromatics	ug/kg	--	--	--	33000 UT	--	--	--	--	--
C12-C13 Aromatics	ug/kg	--	--	--	33000 U	--	--	--	--	--

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C038-B 14.2 West 60 - 127	DPSC-C039-A 14.2 West 0 - 60	DPSC-C039-B* 14.2 West 60 - 127
<b>PCB Aroclors</b>				
Aroclor 1016	ug/kg	1 U	1 U	1.1 UT
Aroclor 1221	ug/kg	1 U	1 U	1.1 UT
Aroclor 1232	ug/kg	1 U	1 U	1.1 UT
Aroclor 1242	ug/kg	1 U	1 U	1.1 UT
Aroclor 1248	ug/kg	1 U	1 U	116 JT
Aroclor 1254	ug/kg	1 U	1 U	4.8 JT
Aroclor 1260	ug/kg	1 U	1 U	5.0 JT
Aroclor 1262	ug/kg	1 U	46	259 JT
Aroclor 1268	ug/kg	1 U	24 U	153 JT
Total Aroclors	ug/kg	1 UT	46 T	538 T
<b>Butyltins</b>				
Butyltin ion	ug/kg	0.3 U	0.28 U	0.038 UT
Dibutyltin ion	ug/kg	0.34 U	0.31 U	0.036 UT
Tetrabutyltin	ug/kg	0.66 U	0.61 U	0.088 UT
Tributyltin ion	ug/kg	0.42 U	0.73 J	0.071 UT
Total Butyltins	ug/kg	0.66 UT	0.73 T	0.088 UT
<b>Conventionals</b>				
Ammonia	mg/kg	63.5	16.1	15 T
Sulfide	mg/kg	--	--	6.65 T
Total organic carbon	percent	1.12	0.38	0.315 T
Total solids	percent	70.3	75.9	83.2 T
<b>EPH</b>				
C8-C10 Aliphatics	ug/kg	2900 U	2500 U	2400 UT
C8-C10 Aromatics	ug/kg	2900 U	2500 U	2400 UT
C10-C12 Aliphatics	ug/kg	2900 U	2500 U	2400 UT
C10-C12 Aromatics	ug/kg	2900 U	2500 U	2400 UT
C12-C16 Aliphatics	ug/kg	2900 U	2500 U	2400 UT
C12-C16 Aromatics	ug/kg	2900 U	2500 U	2400 UT
C16-C21 Aliphatics	ug/kg	2900 U	2500 U	2400 UT
C16-C21 Aromatics	ug/kg	2900 U	2500 U	2400 UT
C21-C34 Aliphatics	ug/kg	52000	34000	15500 T
C21-C34 Aromatics	ug/kg	9400	3500	4400 T
<b>Grainsize</b>				
0.001MM	percent	--	--	0 T
0.005MM	percent	--	--	0 T
0.074MM	percent	--	--	20.8 T
19.0MM	percent	--	--	100 T
9.50MM	percent	--	--	91.6 T
Medium gravel	percent	100	0	68.6 T
Fine gravel	percent	100	0	50.3 T
Very coarse sand	percent	99.3	87.6	37.2 T
Coarse sand	percent	98.7	71.6	42.0 T
Medium sand	percent	97.4	50.2	29.2 T
Fine sand	percent	81.6	22.2	23 T

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.



**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C038-B 14.2 West 60 - 127	DPSC-C039-A 14.2 West 0 - 60	DPSC-C039-B* 14.2 West 60 - 127
Very fine sand	percent	70.5	17.1	22.1 T
<b>Metals</b>				
Aluminum	mg/kg	23200	12800	--
Antimony	mg/kg	0.13	0.4	0.285 T
Arsenic	mg/kg	1.73	2.22	2.6 T
Cadmium	mg/kg	0.116	0.16	0.106 T
Chromium	mg/kg	19.2	12.7	11.6 JT
Copper	mg/kg	28.7	23.6	22 JT
Lead	mg/kg	14.4	16.1	11.5 JT
Mercury	mg/kg	0.038	0.021	0.016 T
Nickel	mg/kg	17.6	12.6	15.5 T
Selenium	mg/kg	0.9 U	0.6 U	--
Silver	mg/kg	0.09	0.09	0.29 JT
Zinc	mg/kg	63.8	81.4	61.0 T
<b>PAHs</b>				
2-Methylnaphthalene	ug/kg	5.3 J	2.2 U	2.2 UT
Acenaphthene	ug/kg	11	1.4 U	1.4 UT
Acenaphthylene	ug/kg	14	2.6 J	1.35 JT
Anthracene	ug/kg	8.5 J	3.5 J	2.4 JT
Benzo(a)anthracene	ug/kg	21	11	5.35 JT
Benzo(a)pyrene	ug/kg	27	15	6.55 JT
Benzo(b)fluoranthene	ug/kg	27	23	9.9 JT
Benzo(g,h,i)perylene	ug/kg	33	15	5.15 JT
Benzo(k)fluoranthene	ug/kg	9.3 J	8.3 J	3.35 JT
Chrysene	ug/kg	26	18	8.15 JT
Dibenzo(a,h)anthracene	ug/kg	4.4 J	3.7 J	1.5 UT
Fluoranthene	ug/kg	39	25	11 T
Fluorene	ug/kg	6.4 J	1.1 U	1.1 UT
Indeno(1,2,3-cd)pyrene	ug/kg	30	14	4.45 JT
Naphthalene	ug/kg	30	2.9 J	2.3 UT
Phenanthrene	ug/kg	40	8.1 J	3 JT
Pyrene	ug/kg	45	27	11.5 T
Total HPAHs	ug/kg	262 T	160 T	65.4 T
Total LPAHs	ug/kg	115 T	17.1 T	6.75 T
Total PAHs	ug/kg	377 T	177 T	72.2 T
<b>Pesticides</b>				
2,4'-DDD	ug/kg	0.052 U	0.73 J	0.13 UT
2,4'-DDE	ug/kg	0.25 U	0.25 U	0.21 UT
2,4'-DDT	ug/kg	0.066 U	0.5 U	6.11 JT
4,4'-DDD	ug/kg	0.091 U	0.13 J	0.39 JT
4,4'-DDE	ug/kg	0.17 U	0.19 J	0.25 JT
4,4'-DDT	ug/kg	0.1 U	0.65 U	0.42 JT
Total DDD	ug/kg	0.091 UT	0.86 T	0.39 T
Total DDE	ug/kg	0.25 UT	0.19 T	0.25 T
Total DDT	ug/kg	0.1 UT	0.65 UT	6.53 T

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C038-B 14.2 West 60 - 127	DPSC-C039-A 14.2 West 0 - 60	DPSC-C039-B* 14.2 West 60 - 127
Total DDx	ug/kg	0.25 UT	1.05 T	7.17 T
Aldrin	ug/kg	0.063 U	0.079 U	0.056 UT
alpha-Endosulfan	ug/kg	0.12 U	0.12 U	0.026 UT
alpha-Hexachlorocyclohexane	ug/kg	0.061 U	0.061 U	0.048 UT
beta-Endosulfan	ug/kg	0.099 U	0.5 U	3.40 JT
beta-Hexachlorocyclohexane	ug/kg	0.09 U	0.09 U	0.055 UT
cis-Chlordane	ug/kg	0.075 U	0.075 U	0.32 JT
cis-Nonachlor	ug/kg	0.043 U	0.9 U	0.054 UT
delta-Hexachlorocyclohexane	ug/kg	0.071 U	0.071 U	0.038 UT
Dieldrin	ug/kg	0.073 U	0.073 U	0.037 UT
Endosulfan sulfate	ug/kg	0.07 U	0.07 U	0.082 UT
Endrin	ug/kg	0.074 U	0.5 U	1.5 JT
Endrin aldehyde	ug/kg	0.076 U	0.5 U	0.048 UT
Endrin ketone	ug/kg	0.081 U	3.1 U	31.2 JT
gamma-Hexachlorocyclohexane	ug/kg	0.085 U	0.085 U	0.044 UT
Heptachlor	ug/kg	0.074 U	0.074 U	0.071 UT
Heptachlor epoxide	ug/kg	0.086 U	0.14 U	0.27 JT
Methoxychlor	ug/kg	0.21 U	1.1 U	21 JT
Mirex	ug/kg	0.075 U	0.075 U	0.05 UT
Oxychlordane	ug/kg	0.22 U	0.22 U	0.058 UT
Total Chlordanes	ug/kg	0.22 UT	0.9 UT	0.98 T
Total Endosulfans	ug/kg	0.12 UT	0.5 UT	3.40 T
Toxaphene	ug/kg	8.9 U	21 U	9.2 UT
trans-Chlordane	ug/kg	0.075 U	0.16 U	0.41 JT
trans-Nonachlor	ug/kg	0.11 U	0.11 U	0.25 JT
<b>Phenols</b>				
2,4-Dichlorophenol	ug/kg	1 U	1 U	1 UT
2,4-Dimethylphenol	ug/kg	5.5 U	5.5 U	5.5 UT
2,4-Dinitrophenol	ug/kg	17 U	17 U	17 UT
2-Chlorophenol	ug/kg	2 U	2 U	2 UT
2-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 UT
2-Nitrophenol	ug/kg	1.5 U	1.5 U	1.5 UT
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	1.4 UT
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	1.4 UT
4-Methylphenol	ug/kg	31	1.5 U	1.5 UT
4-Nitrophenol	ug/kg	18 U	18 U	18 UT
Phenol	ug/kg	2 U	2 U	2 UT
<b>Phthalates</b>				
Bis(2-ethylhexyl) phthalate	ug/kg	29	35	18 JT
Butylbenzyl phthalate	ug/kg	3.2 U	3.2 U	3.2 UT
Dibutyl phthalate	ug/kg	8.5 J	19	7.9 UT
Diethyl phthalate	ug/kg	2.8 J	2.9 U	3.1 UT
Dimethyl phthalate	ug/kg	120	50	1.8 JT
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 UT
<b>SVOCs</b>				

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C038-B 14.2 West 60 - 127	DPSC-C039-A 14.2 West 0 - 60	DPSC-C039-B* 14.2 West 60 - 127
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 UT
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 UT
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 UT
1,4-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 UT
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 UT
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 UT
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 UT
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 UT
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 UT
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 UT
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 UT
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 UT
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 UT
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 UT
Aniline	ug/kg	1.5 U	1.5 U	1.5 UT
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 UT
Benzoic acid	ug/kg	--	--	96 UT
Benzyl alcohol	ug/kg	13 J	2.1 U	4.1 JT
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 UT
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 UT
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 U	2.6 UT
Carbazole	ug/kg	1.3 U	1.3 U	1.5 JT
Dibenzofuran	ug/kg	2.3 J	1.2 U	1.2 UT
Hexachlorobenzene	ug/kg	0.11 U	0.11 U	0.079 UT
Hexachlorobutadiene	ug/kg	0.062 U	0.062 U	0.35 JT
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 UT
Hexachloroethane	ug/kg	0.037 U	0.037 U	0.08 UT
Isophorone	ug/kg	1 U	1 U	1 UT
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 UT
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 UT
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 UT
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 UT
<b>VPH</b>				
Benzene	ug/kg	--	--	2000 UT
Docane	ug/kg	--	--	2000 UT
Dodecane	ug/kg	--	--	2000 UT
Ethylbenzene	ug/kg	--	--	2000 UT
m,p-Xylene	ug/kg	--	--	4000 UT
Methyl tert-butyl ether	ug/kg	--	--	2000 UT
n-Hexane	ug/kg	--	--	2000 UT
Octane	ug/kg	--	--	2000 UT
o-Xylene	ug/kg	--	--	2000 UT
Pentane	ug/kg	--	--	2000 UT
Toluene	ug/kg	--	--	2000 UT
C5-C6 Aliphatics	ug/kg	--	--	20000 UT

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3b**  
**Analytical Results of Subsurface Sediment Samples - PP&R Data**

Analyte	Location River Mile & Side Depth (cm) Units	DPSC-C038-B 14.2 West 60 - 127	DPSC-C039-A 14.2 West 0 - 60	DPSC-C039-B* 14.2 West 60 - 127
C6-C8 Aliphatics	ug/kg	--	--	20000 UT
C8-C10 Aliphatics	ug/kg	--	--	20000 UT
C8-C10 Aromatics	ug/kg	--	--	20000 UT
C10-C12 Aliphatics	ug/kg	--	--	20000 UT
C10-C12 Aromatics	ug/kg	--	--	20000 UT
C12-C13 Aromatics	ug/kg	--	--	20000 UT

Note:

\*These results are averaged values.

The results of individual field split and/or reanalyzed samples are shown in Table 6-1.

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-C782-A 12.1 West 0 - 30	LW3-C782-B 12.1 West 30 - 66	LW3-C782-C 12.1 West 66 - 136	LW3-C783-B 12.2 West 30 - 70	LW3-C783-C 12.2 West 70 - 141	LW3-C783-D 12.2 West 141 - 244	LW3-C783-E 12.2 West 244 - 327	LW3-UC05-B1 12 West 30 - 147	LW3-UC05-B2 12 West 30 - 124	LW3-UC05-C1 12 West 147 - 254
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	2.3 U	2.2 UT	2.2 U
Aroclor 1221	ug/kg	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	2.3 U	2.2 UT	2.2 U
Aroclor 1232	ug/kg	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	2.3 U	2.2 UT	2.2 U
Aroclor 1242	ug/kg	0.73 U	0.73 U	0.73 U	19	1.1 U	0.73 U	0.97 U	2.3 U	2.2 UT	2.2 U
Aroclor 1248	ug/kg	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	2.3 U	2.2 UT	2.2 U
Aroclor 1254	ug/kg	0.73 U	0.73 U	0.73 U	39	1.5 U	0.73 U	0.73 U	2.3 U	2.2 UT	2.2 U
Aroclor 1260	ug/kg	0.73 U	0.73 U	0.73 U	26	1.6 J	0.73 U	0.73 U	2.3 U	2.2 UT	2.2 U
Aroclor 1262	ug/kg	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	2.3 U	2.3 UT	2.2 U
Aroclor 1268	ug/kg	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	2.3 U	2.2 UT	2.2 U
Total Aroclors	ug/kg	0.73 UT	0.73 UT	0.73 UT	84 T	1.6 JT	0.73 UT	0.97 UT	2.3 UT	2.3 UT	2.2 UT
<b>Conventionals</b>											
Specific Gravity	NA	2.43	2.43	2.15	1.5 T	1.81	1.77	1.76	1.85	1.77 T	1.88
Total organic carbon	percent	0.05 J	0.02 U	0.12	2.84 T	1.03	1.4	0.62	0.29 J	0.155 JT	0.67 J
Total solids	percent	93.6	94.3	90.7	53.1 T	67.8	68.1	66.3	77.1	77.9 T	77.5
<b>Grainsize</b>											
Medium gravel	percent	0	13	36.6 JT	1.73	1.03	4.52	0	3.79	0.26 T	0.82
Fine gravel	percent	0.43	8.81	18.3 T	5.81	2.83	1.32	0.01	3.88	0.69 T	0.42
Very coarse sand	percent	2.46	7.1	17.1 T	2.55	1.85	1.6	0.21	4.56	0.775 T	1.82
Coarse sand	percent	38.9	30.3	20.3 T	4.99	10.1	4.44	0.5	18.8	8.19 T	16.5
Medium sand	percent	51.2	35	6.44 T	18.9	59.7	13.6	1.92	38.4	72.5 T	59
Fines	percent	0.76 T	0.56 T	0.397 T	56.3 T	14.2 T	33.8 T	64.8 T	17 T	1.89 T	3.05 T
Fine sand	percent	5.32	3.85	0.527 T	8.91	11.6	24.7	9.91	8.76	13.5 T	13.1
Very fine sand	percent	0.35	0.23	0.07 T	5.94	1.94	16.5	27.4	4.92	1.6 T	2.87
Coarse silt	percent	0.24	0.07	0.03 T	9.96	1.59	10.6	27.8	4.97	0.605 T	0.86
Medium silt	percent	0.1	0.12	0.08 T	14.1	3.61	8.96	15.3	4.16	0.41 T	0.73
Fine silt	percent	0.15	0.1	0.107 T	12.1	2.64	5.3	8.44	2.61	0.295 T	0.44
Very fine silt	percent	0.01	0.11	0 T	6.43	2.46	3.19	4.16	1.78	0.33 T	0.51
8-9 Phi clay	percent	0.05	0	0.0633 T	4.46	1.39	2.37	2.15	1.18	0.01 T	0.15
>9 Phi clay	percent	0.21	0.16	0.117 T	9.28	2.52	3.37	6.95	2.33	0.235 T	0.36
<b>Metals</b>											
Aluminum	mg/kg	8980	7520	5940	23900 J	13600 J	18700 J	23800 J	14000	13300 T	12700
Antimony	mg/kg	0.12 J	0.13 J	0.1 J	0.69 J	0.69 J	0.47 J	0.16 J	0.11 J	0.075 JT	0.08 J
Arsenic	mg/kg	1.07	0.95	0.8	4.25	2.31	2.34	2.14	3.06	2.38 T	2.05
Cadmium	mg/kg	0.043	0.028 U	0.026 U	0.852	0.481	0.208	0.101	0.1	0.08 T	0.06
Chromium	mg/kg	6.91	7.38	5.19	29.8 U	15.8 U	21.4 U	24.3 U	19.6 J	17.4 JT	17.3 J
Copper	mg/kg	13.9	10.4	9.48	72.1	55.9	33.3	31	19.8 J	15.9 JT	16 J
Lead	mg/kg	2.1	1.77	1.36	325	200	58	6.66	7.68 J	4.16 JT	2.74 J
Mercury	mg/kg	0.009 J	0.009 J	0.018	3.46 JT	2.02 J	0.641 J	0.082 J	0.038	0.126 T	0.013 J
Nickel	mg/kg	12.6	10.2	11.1	25.7	18.2	22.1	27.8	24.8 J	22.6 JT	18.9 J
Selenium	mg/kg	--	--	--	--	--	--	--	0.02 J	0.02 UT	0.02 U
Silver	mg/kg	0.08	0.06	0.06	7.18	5.32	2.01	0.163	0.277	0.235 T	0.252

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-C782-A 12.1 West 0 - 30	LW3-C782-B 12.1 West 30 - 66	LW3-C782-C 12.1 West 66 - 136	LW3-C783-B 12.2 West 30 - 70	LW3-C783-C 12.2 West 70 - 141	LW3-C783-D 12.2 West 141 - 244	LW3-C783-E 12.2 West 244 - 327	LW3-UC05-B1 12 West 30 - 147	LW3-UC05-B2 12 West 30 - 124	LW3-UC05-C1 12 West 147 - 254
Zinc	mg/kg	45.8	42.2	37.1	315	165	116	63.6	52.4	50.5 T	48.6
<b>PAHs</b>											
C1-Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	360	400	330	9.9	--	--	--
C1-Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	360	980	3000	150	--	--	--
C1-Fluoranthene/pyrene	ug/kg	0.61 U	0.61 U	0.61 U	750	1800	7300	360	--	--	--
C1-Fluorene	ug/kg	0.5 U	0.5 U	0.5 U	150	230	1400	68	--	--	--
C1-Phenanthrene/anthracene	ug/kg	0.75 U	0.75 U	0.75 U	1100	1400	7400	370	--	--	--
C2-Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	410	410	700	25	--	--	--
C2-Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	440	650	1200	61	--	--	--
C2-Fluoranthene/pyrene	ug/kg	0.61 U	0.61 U	0.61 U	450	1000	2900	140	--	--	--
C2-Fluorene	ug/kg	0.5 U	0.5 U	0.5 U	420	530	1400	71	--	--	--
C2-Naphthalene	ug/kg	0.37 U	0.37 U	0.37 U	590	980	4800	210	--	--	--
C2-Phenanthrene/anthracene	ug/kg	0.75 U	0.75 U	0.75 U	1100	1400	3500	160	--	--	--
C3-Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	410	470	560	12	--	--	--
C3-Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	460	460	620	26	--	--	--
C3-Fluoranthene/pyrene	ug/kg	0.61 U	0.61 U	0.61 U	470	620	1400	59	--	--	--
C3-Fluorene	ug/kg	0.5 U	0.5 U	0.5 U	990	1100	1900	88	--	--	--
C3-Naphthalene	ug/kg	0.37 U	0.37 U	0.37 U	990	1200	2500	110	--	--	--
C3-Phenanthrene/anthracene	ug/kg	0.75 U	0.75 U	0.75 U	1300	1800	1700	95	--	--	--
C4-Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	2.5 U	330	480	15	--	--	--
C4-Naphthalene	ug/kg	0.37 U	0.37 U	0.37 U	900	1000	1300	46	--	--	--
C4-Phenanthrene/anthracene	ug/kg	0.75 U	0.75 U	0.75 U	610	670	490	24	--	--	--
1-Methylnaphthalene	ug/kg	0.31 U	0.31 U	0.31 U	63	210	4000	190	--	--	--
2-Methylnaphthalene	ug/kg	0.39 U	0.39 U	0.39 U	120	240	3600	240	19	0.44 UT	1.1 U
Acenaphthene	ug/kg	3.6	0.7 J	0.69 J	370	560	8100	370	470	230 T	380
Acenaphthylene	ug/kg	0.24 U	0.24 U	0.24 U	59	150	610	27	13	1.7 JT	1.3 J
Anthracene	ug/kg	0.47 U	0.47 U	0.47 U	110	440	5400	260	62	8.8 T	2.5 J
Benzo(a)anthracene	ug/kg	0.48 U	0.48 U	0.48 U	310	1300	4200	220	140	5.3 T	0.21 U
Benzo(a)pyrene	ug/kg	0.14 U	0.14 U	0.14 U	250	1500	4300	220	220	6.2 T	0.29 U
Benzo(b)fluoranthene	ug/kg	0.25 U	0.25 U	0.25 U	310	1600	4000	210	140	4.5 T	0.62 U
Benzo(e)pyrene	ug/kg	0.18 U	0.18 U	0.18 U	190	940	2400	120	--	--	--
Benzo(g,h,i)perylene	ug/kg	0.64 U	0.64 U	0.64 U	190	1100	2100	110	180	4.3 T	0.3 U
Benzo(k)fluoranthene	ug/kg	0.15 U	0.15 U	0.15 U	110	560	1400	72	90	5.1 T	0.43 U
Chrysene	ug/kg	0.25 U	0.25 U	0.25 U	400	1300	3700	200	180	5.7 T	0.53 U
Dibenzo(a,h)anthracene	ug/kg	0.28 U	0.28 U	0.28 U	29	130	380	20	14	0.75 JT	0.34 U
Dibenzothiophene	ug/kg	0.21 U	0.21 U	0.21 U	100	180	1200	49	--	--	--
Fluoranthene	ug/kg	0.61 U	0.61 U	0.61 U	1800	2600	12000	610	760	44 T	3.4
Fluorene	ug/kg	0.5 U	0.5 U	0.5 U	210	300	4800	230	91	47 T	17
Indeno(1,2,3-cd)pyrene	ug/kg	0.16 U	0.16 U	0.16 U	190	1100	2400	120	150	3.7 T	0.31 U
Naphthalene	ug/kg	0.73 U	0.57 U	0.5 U	210	410	5400	320	54	0.51 UT	15
Perylene	ug/kg	0.32 U	0.32 U	0.32 U	140	420	980	110	--	--	--
Phenanthrene	ug/kg	0.75 U	0.75 U	0.75 U	1300	2000	17000	890	890	330 T	58

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-C782-A 12.1 West 0 - 30	LW3-C782-B 12.1 West 30 - 66	LW3-C782-C 12.1 West 66 - 136	LW3-C783-B 12.2 West 30 - 70	LW3-C783-C 12.2 West 70 - 141	LW3-C783-D 12.2 West 141 - 244	LW3-C783-E 12.2 West 244 - 327	LW3-UC05-B1 12 West 30 - 147	LW3-UC05-B2 12 West 30 - 124	LW3-UC05-C1 12 West 147 - 254
Pyrene	ug/kg	0.37 U	0.37 U	0.37 U	1900	2800	11000	510	1100	44 T	3
Total HPAHs	ug/kg	0.64 UT	0.64 UT	0.64 UT	5500 T	14000 T	45000 T	2300 T	3000 T	120 JT	6.4 T
Total LPAHs	ug/kg	3.6 T	0.7 JT	0.69 JT	2400 T	4100 T	45000 T	2300 T	1600 T	620 JT	470 JT
Total PAHs	ug/kg	3.6 T	0.7 JT	0.69 JT	7900 T	18000 T	90000 T	4600 T	4600 T	740 JT	480 JT
<b>Pesticides</b>											
2,4'-DDD	ug/kg	0.16 U	0.16 U	0.16 U	8.9 NJ	0.21 U	1.6 U	0.16 U	0.28 U	0.27 UT	0.28 U
2,4'-DDE	ug/kg	0.046 U	0.046 U	0.082 J	1.6 U	0.3 NJ	0.73 U	0.16 U	0.3 U	0.3 UT	0.3 U
2,4'-DDT	ug/kg	0.061 U	0.061 U	0.061 U	4.9 J	0.27 U	4 U	0.061 U	0.19 U	0.18 UT	0.19 U
4,4'-DDD	ug/kg	0.073 U	0.073 U	0.073 U	12	0.93	7.2 U	0.22 U	0.18 U	0.16 UT	0.16 U
4,4'-DDE	ug/kg	0.027 U	0.027 U	0.11 U	11 J	0.15 U	2 U	0.16 U	0.13 U	0.13 UT	0.13 U
4,4'-DDT	ug/kg	0.18 U	0.18 U	0.18 U	5.3	0.4 U	2 U	0.18 U	0.16 U	0.082 UT	0.083 U
Total DDD	ug/kg	0.16 UT	0.16 UT	0.16 UT	20.9 T	0.93 T	7.2 UT	0.22 UT	0.28 UT	0.27 UT	0.28 UT
Total DDE	ug/kg	0.046 UT	0.046 UT	0.082 T	11 T	0.3 T	2 UT	0.16 UT	0.3 UT	0.3 UT	0.3 UT
Total DDT	ug/kg	0.18 UT	0.18 UT	0.18 UT	10.2 T	0.4 UT	4 UT	0.18 UT	0.19 UT	0.18 UT	0.19 UT
Total DDx	ug/kg	0.18 UT	0.18 UT	0.082 T	42.1 T	1.23 T	7.2 UT	0.22 UT	0.3 UT	0.3 UT	0.3 UT
Aldrin	ug/kg	0.12 U	0.12 U	0.12 U	0.6 U	0.12 U	1.2 U	0.12 U	0.23 U	0.2 UT	0.2 U
alpha-Endosulfan	ug/kg	0.037 U	0.037 U	0.037 U	0.66 U	0.15 U	2.7 U	0.093 U	0.23 U	0.22 UT	0.22 U
alpha-Hexachlorocyclohexane	ug/kg	0.097 U	0.097 U	0.097 U	0.49 U	0.097 U	0.97 U	0.097 U	0.34 U	0.33 UT	0.34 U
beta-Endosulfan	ug/kg	0.031 U	0.031 U	0.031 U	0.66 U	0.27 U	2.2 U	0.031 U	0.25 U	0.25 UT	0.25 U
beta-Hexachlorocyclohexane	ug/kg	0.14 U	0.47 U	0.14 U	0.7 U	0.14 U	3.1 NJ	0.28 NJ	0.39 U	0.39 UT	0.39 U
cis-Chlordane	ug/kg	0.031 U	0.031 U	0.031 U	0.8 U	0.17 U	0.31 U	0.031 U	0.3 U	0.3 UT	0.3 U
cis-Nonachlor	ug/kg	0.087 U	0.087 U	0.087 U	3.4 J	0.52 U	8.3 U	0.087 U	0.11 U	0.11 UT	0.11 U
delta-Hexachlorocyclohexane	ug/kg	0.11 U	0.12 U	0.11 U	0.62 U	0.11 U	1.1 U	0.11 U	0.072 U	0.07 UT	0.071 U
Dieldrin	ug/kg	0.03 U	0.03 U	0.03 U	0.94 U	0.094 U	3.6 U	0.29 J	0.38 U	0.37 UT	0.38 U
Endosulfan sulfate	ug/kg	0.058 U	0.058 U	0.058 U	2.5 U	0.12 U	0.58 U	0.058 U	0.14 U	0.11 UT	0.11 U
Endrin	ug/kg	0.071 U	0.071 U	0.071 U	0.36 U	0.18	1.5 U	0.071 U	0.26 U	0.26 UT	0.26 U
Endrin aldehyde	ug/kg	0.042 U	0.042 U	0.042 U	1.1 U	0.37 U	2.7 U	0.11 U	0.2 U	0.64 UT	0.069 U
Endrin ketone	ug/kg	0.029 U	0.029 U	0.029 U	2.9 NJ	0.092 U	2.6 J	0.041 U	0.11 U	0.11 UT	0.11 U
gamma-Hexachlorocyclohexane	ug/kg	0.062 U	0.14 U	0.062 U	2.1 U	0.15 U	2.9 U	0.23 U	0.2 U	0.2 UT	0.2 U
Heptachlor	ug/kg	0.076 U	0.19 U	0.076 U	0.38 U	0.24	0.76 U	0.076 U	0.11 U	0.11 UT	0.11 U
Heptachlor epoxide	ug/kg	0.068 U	0.068 U	0.068 U	0.94 U	0.24 U	0.7 U	0.068 U	0.17 U	0.17 UT	0.17 U
Methoxychlor	ug/kg	0.075 U	0.075 U	0.075 U	0.72 U	0.44 U	0.75 U	0.21 U	0.57 J	0.13 UT	0.13 U
Mirex	ug/kg	0.12 U	0.12 U	0.12 U	0.6 U	0.14 U	2.1 U	0.12 U	0.13 U	0.13 UT	0.13 U
Oxychlordane	ug/kg	0.061 U	0.061 U	0.24 NJ	0.67 U	0.26 NJ	4.3 NJ	0.12 J	0.48 U	0.47 UT	0.48 U
Total Chlordanes	ug/kg	0.087 UT	0.087 UT	0.24 JT	3.4 JT	0.26 JT	4.3 JT	0.12 JT	0.48 UT	0.47 UT	0.48 UT
Total Endosulfans	ug/kg	0.058 UT	0.058 UT	0.058 UT	2.5 UT	0.27 UT	2.7 UT	0.093 UT	--	--	--
Toxaphene	ug/kg	3.4 U	3.4 U	3.4 U	130 U	25 U	270 U	6 U	12 U	12 UT	12 U
trans-Chlordane	ug/kg	0.027 U	0.027 U	0.027 U	1.1 U	0.21 U	1.5 U	0.027 U	0.13 U	0.084 UT	0.083 U
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	--	--	--	--	--	--	--	0.18 UT	0.16 UT	0.16 UT
trans-Nonachlor	ug/kg	0.034 U	0.034 U	0.034 U	0.94 U	0.085 U	1.5 U	0.034 U	0.14 U	0.12 UT	0.12 U
<b>Petroleum</b>											
Gasoline Range Hydrocarbons	mg/kg	--	--	--	--	--	--	--	3.2 U	0.75 UT	0.79 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-C782-A 12.1 West 0 - 30	LW3-C782-B 12.1 West 30 - 66	LW3-C782-C 12.1 West 66 - 136	LW3-C783-B 12.2 West 30 - 70	LW3-C783-C 12.2 West 70 - 141	LW3-C783-D 12.2 West 141 - 244	LW3-C783-E 12.2 West 244 - 327	LW3-UC05-B1 12 West 30 - 147	LW3-UC05-B2 12 West 30 - 124	LW3-UC05-C1 12 West 147 - 254
Diesel Range Hydrocarbons	mg/kg	1.3 U	1.3 UT	1.4 U	1300 J	1000 J	975 JT	33 J	19 J	2.1 JT	5.1 JT
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	1.3 U	1.3 UT	1.4 U	1200 J	920 J	741 JT	17 J	--	--	--
Residual Range Hydrocarbons	mg/kg	10 J	3.6 JT	3.2 U	2700 J	1900 J	1350 JT	82 J	60 J	9.8 UT	9.1 JT
Residual Range Hydrocarbons (silica gel treated)	mg/kg	3.1 U	3.1 UT	3.2 U	2300 J	1500 J	895 JT	27 J	--	--	--
Total Petroleum Hydrocarbons	mg/kg	10 JA	3.6 JA	3.2 UA	4000 JA	2900 JA	2330 JA	115 JA	79 JT	2.1 JT	14 JT
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	3.1 UA	3.1 UA	3.2 UA	3500 JA	2420 JA	1640 JA	44 JA	--	--	--
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	0.23 U	0.23 U	0.23 U	0.61 U	0.31 U	0.3 U	0.31 U	0.81 U	0.79 UT	0.8 U
2,3,5,6-Tetrachlorophenol	ug/kg	0.18 U	0.18 U	0.19 U	0.31 U	0.25 U	0.24 U	0.25 U	0.39 U	3.2 JT	0.39 U
2,4,5-Trichlorophenol	ug/kg	5.3 U	5.3 U	2.3 U	5.1 J	4.1 J	2.5 U	2.2 U	0.72 U	0.7 UT	0.71 U
2,4,6-Trichlorophenol	ug/kg	0.12 U	0.12 U	0.12 U	1.3 J	0.16 U	0.16 U	0.17 U	0.51 UJ	0.5 UJT	0.51 UJ
2,4-Dichlorophenol	ug/kg	1 U	1 U	1 U	50 U	50 U	50 U	1 U	2.4 U	2.3 UT	2.4 U
2,4-Dimethylphenol	ug/kg	5.5 U	5.5 U	5.5 U	--	--	--	--	7.2 U	7 UT	7.1 U
2,4-Dinitrophenol	ug/kg	17 U	17 U	17 U	850 U	850 U	850 U	17 U	47 U	46 UT	47 U
2-Chlorophenol	ug/kg	2 U	2 U	2 U	100 U	100 U	100 U	2 U	2.3 U	2.2 UT	2.2 U
2-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 U	75 U	75 U	75 U	1.5 U	4.5 U	4.4 UT	4.4 U
2-Nitrophenol	ug/kg	1.5 U	1.5 U	1.5 U	75 U	75 U	75 U	1.5 U	3.4 U	3.3 UT	3.4 U
4,6-Dinitro-2-methylphenol	ug/kg	1.4 U	1.4 U	1.4 U	70 U	70 U	70 U	1.4 U	2.3 U	2.2 UT	2.2 U
4-Chloro-3-methylphenol	ug/kg	1.4 U	1.4 U	1.4 U	70 U	70 U	70 U	1.4 U	2.8 U	2.7 UT	2.8 U
4-Methylphenol	ug/kg	1.5 U	1.5 U	1.5 U	75 U	300 J	140 J	3.4 J	5.6 J	3.7 UT	3.8 U
4-Nitrophenol	ug/kg	18 U	18 U	18 U	900 U	900 U	900 U	18 U	39 U	39 UT	39 U
Pentachlorophenol	ug/kg	0.17 U	0.17 U	0.18 U	3 J	0.24 U	0.23 U	0.24 U	0.24 J	26 T	0.19 U
Phenol	ug/kg	4.8 J	2 U	3.8 J	100 U	100 U	100 U	2 U	6.9 U	5.9 UT	5 U
<b>Phthalates</b>											
Bis(2-ethylhexyl) phthalate	ug/kg	7 U	7 U	7 U	350 U	350 U	350 U	7 U	5.2 U	5.4 UT	3.4 U
Butylbenzyl phthalate	ug/kg	3.2 U	3.2 U	3.2 U	160 U	160 U	160 U	3.2 U	2 U	2 UT	2 U
Dibutyl phthalate	ug/kg	7.9 U	7.9 U	7.9 U	400 U	400 U	400 U	9	5.7 J	7.6 JT	3.9 J
Diethyl phthalate	ug/kg	1.5 J	1.4 J	2.5 J	65 U	65 U	65 U	1.3 U	4.6 U	4.5 UT	4.6 U
Dimethyl phthalate	ug/kg	1 U	1 U	1 U	50 U	50 U	50 U	1 U	2.4 U	2.3 UT	2.4 U
Di-n-octyl phthalate	ug/kg	1.7 U	1.7 U	1.7 U	85 U	85 U	85 U	1.7 U	1.6 U	1.6 UT	1.6 U
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	2.6 U	2.6 U	2.6 U	130 U	130 U	130 U	2.6 U	2 U	2 UT	2 U
1,2-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	150 U	150 U	150 U	2.9 U	1.7 U	1.7 UT	1.7 U
1,3-Dichlorobenzene	ug/kg	3 U	3 U	3 U	150 U	150 U	150 U	3 U	2.1 U	2.1 UT	2.1 U
1,4-Dichlorobenzene	ug/kg	2.9 U	2.9 U	2.9 U	150 U	150 U	150 U	2.9 U	0.25 U	0.25 UT	0.25 U
2,4-Dinitrotoluene	ug/kg	1.5 U	1.5 U	1.5 U	75 U	75 U	75 U	1.5 U	3.7 U	3.6 UT	3.7 U
2,6-Dinitrotoluene	ug/kg	2 U	2 U	2 U	100 U	100 U	100 U	2 U	3.7 U	3.6 UT	3.7 U
2-Chloronaphthalene	ug/kg	1.6 U	1.6 U	1.6 U	80 U	80 U	120 J	1.6 U	4.7 U	4.6 UT	4.7 U
2-Nitroaniline	ug/kg	3.2 U	3.2 U	3.2 U	160 U	160 U	160 U	3.2 U	3.6 U	3.5 UT	3.5 U
3,3'-Dichlorobenzidine	ug/kg	3.7 U	3.7 U	3.7 U	190 U	190 U	190 U	3.7 U	4.8 U	4.7 UT	4.8 U
3-Nitroaniline	ug/kg	2.5 U	2.5 U	2.5 U	130 U	130 U	130 U	2.5 U	3.4 U	3.3 UT	3.4 U
4-Bromophenyl phenyl ether	ug/kg	1.6 U	1.6 U	1.6 U	80 U	80 U	80 U	1.6 U	1.9 U	1.8 UT	1.9 U



**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-C782-A 12.1 West 0 - 30	LW3-C782-B 12.1 West 30 - 66	LW3-C782-C 12.1 West 66 - 136	LW3-C783-B 12.2 West 30 - 70	LW3-C783-C 12.2 West 70 - 141	LW3-C783-D 12.2 West 141 - 244	LW3-C783-E 12.2 West 244 - 327	LW3-UC05-B1 12 West 30 - 147	LW3-UC05-B2 12 West 30 - 124	LW3-UC05-C1 12 West 147 - 254
4-Chloroaniline	ug/kg	1.9 U	1.9 U	1.9 U	95 U	95 U	95 U	1.9 U	2.8 U	2.7 UT	2.8 U
4-Chlorophenyl phenyl ether	ug/kg	1.4 U	1.4 U	1.4 U	70 U	70 U	70 U	1.4 U	2.6 U	2.6 UT	2.6 U
4-Nitroaniline	ug/kg	1.8 U	1.8 U	1.8 U	90 U	90 U	90 U	1.8 U	4.5 U	4.4 UT	4.4 U
Aniline	ug/kg	1.5 U	1.5 U	1.5 U	75 U	75 U	75 U	5.1 J	2 U	2 UT	2 U
Azobenzene	ug/kg	1.1 U	1.1 U	1.1 U	55 U	55 U	55 U	1.1 U	3.2 U	3.1 UT	3.1 U
Benzoic acid	ug/kg	--	--	--	4800 U	4800 U	4800 U	96 U	130 U	130 UT	130 U
Benzyl alcohol	ug/kg	2.1 U	2.1 U	2.1 U	110 U	110 U	110 U	4.5 J	29	40 T	24
Bis(2-chloroethoxy) methane	ug/kg	1.5 U	1.5 U	1.5 U	75 U	75 U	75 U	1.5 U	1.7 U	1.7 UT	1.7 U
Bis(2-chloroethyl) ether	ug/kg	1.9 U	1.9 U	1.9 U	95 U	95 U	95 U	1.9 U	3.2 U	3.1 UT	3.1 U
Bis(2-chloroisopropyl) ether	ug/kg	2.6 U	2.6 UJ	2.6 U	130 UJ	130 UJ	130 UJ	2.6 UJ	1.6 UJ	1.6 UJT	1.6 UJ
Carbazole	ug/kg	1.3 U	1.3 U	1.3 U	65 U	65 U	1700	80	5.2 J	1.7 UT	1.7 U
Dibenzofuran	ug/kg	0.59 U	0.59 U	0.59 U	40	84	2400	130	6.9	0.86 JT	0.39 J
Hexachlorobenzene	ug/kg	0.068 U	0.068 U	0.068 U	0.64 J	0.21 U	1.2 U	0.069 U	0.11 U	0.11 UT	0.11 U
Hexachlorobutadiene	ug/kg	0.14 U	0.45 U	0.14 U	0.7 U	0.14 U	1.4 U	0.14 U	0.64 U	0.63 UT	0.64 U
Hexachlorocyclopentadiene	ug/kg	29 U	29 U	29 U	1500 U	1500 U	1500 U	29 U	20 U	20 UT	20 U
Hexachloroethane	ug/kg	0.16 U	0.16 U	0.22 U	0.8 U	0.16 U	1.6 U	0.16 U	1 U	1.4 UT	0.99 U
Isophorone	ug/kg	1 U	1 U	1 U	50 U	50 U	50 U	1 U	2.1 U	3.9 JT	2.1 U
Nitrobenzene	ug/kg	2.2 U	2.2 U	2.2 U	110 U	110 U	110 U	2.2 U	2.6 U	2.6 UT	2.6 U
N-Nitrosodimethylamine	ug/kg	6.1 U	6.1 U	6.1 U	310 U	310 U	310 U	6.1 U	8 U	7.8 UT	7.9 U
N-Nitrosodiphenylamine	ug/kg	1.6 U	1.6 U	1.6 U	80 U	80 U	80 U	1.6 U	2.9 U	2.8 UT	2.9 U
N-Nitrosodipropylamine	ug/kg	2.4 U	2.4 U	2.4 U	120 U	120 U	120 U	2.4 U	4.2 U	4.1 UT	4.2 U
<b>VOCs</b>											
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	0.071 U	0.069 UT	0.07 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	0.099 U	0.097 UT	0.099 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	0.16 U	0.16 UT	0.16 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	0.089 U	0.087 UT	0.088 U
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	0.08 U	0.078 UT	0.079 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	0.11 U	0.11 UT	0.11 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	0.24 U	0.23 UT	0.24 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	0.13 U	0.13 UT	0.13 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	0.086 U	0.084 UT	0.086 U
1,4-Dichloro-trans-2-butene	ug/kg	--	--	--	--	--	--	--	0.43 U	0.42 UT	0.43 U
2-Chloroethyl vinyl ether	ug/kg	--	--	--	--	--	--	--	0.2 U	0.2 UT	0.2 U
Acetone	ug/kg	--	--	--	--	--	--	--	67 U	28 UT	36 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	0.54 U	0.53 UT	0.53 U
Benzene	ug/kg	--	--	--	--	--	--	--	0.058 U	0.056 UT	0.15 J
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	0.13 U	0.13 UT	0.13 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	0.052 U	0.051 UT	0.052 U
Bromoform	ug/kg	--	--	--	--	--	--	--	0.16 U	0.16 UT	0.16 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	0.37 U	0.36 UT	0.37 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	0.1 J	0.086 UT	0.087 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	0.065 U	0.064 UT	0.065 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-C782-A 12.1 West 0 - 30	LW3-C782-B 12.1 West 30 - 66	LW3-C782-C 12.1 West 66 - 136	LW3-C783-B 12.2 West 30 - 70	LW3-C783-C 12.2 West 70 - 141	LW3-C783-D 12.2 West 141 - 244	LW3-C783-E 12.2 West 244 - 327	LW3-UC05-B1 12 West 30 - 147	LW3-UC05-B2 12 West 30 - 124	LW3-UC05-C1 12 West 147 - 254
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	0.078 U	0.077 UT	0.078 U
Chlorodibromomethane	ug/kg	--	--	--	--	--	--	--	0.13 U	0.13 UT	0.13 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	0.26 U	0.26 UT	0.26 U
Chloroform	ug/kg	--	--	--	--	--	--	--	0.11 U	0.11 UT	0.11 U
Chloromethane	ug/kg	--	--	--	--	--	--	--	0.098 U	0.096 UT	0.097 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	0.13 U	0.13 UT	0.13 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	0.081 U	0.079 UT	0.08 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	0.077 U	0.075 UT	0.077 U
Ethylbenzene	ug/kg	--	--	--	--	--	--	--	0.067 U	0.065 UT	0.066 U
Ethylene dibromide	ug/kg	--	--	--	--	--	--	--	0.08 U	0.078 UT	0.079 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	0.12 U	0.11 UT	0.11 U
Methyl iodide	ug/kg	--	--	--	--	--	--	--	0.43 U	0.42 UT	0.43 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	0.65 U	0.64 UT	0.65 U
Methyl n-butyl ketone	ug/kg	--	--	--	--	--	--	--	4.6 U	4.5 UT	4.6 U
Methylene bromide	ug/kg	--	--	--	--	--	--	--	0.091 U	0.089 UT	0.091 U
Methylene chloride	ug/kg	--	--	--	--	--	--	--	4 U	3.8 UT	4.7 U
m,p-Xylene	ug/kg	--	--	--	--	--	--	--	0.16 U	0.14 UT	0.18 U
Methyl tert-butyl ether	ug/kg	--	--	--	--	--	--	--	0.11 J	0.15 JT	0.14 J
o-Xylene	ug/kg	--	--	--	--	--	--	--	0.074 U	0.073 UT	0.074 U
Styrene	ug/kg	--	--	--	--	--	--	--	0.16 U	0.12 UT	0.16 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	0.12 U	0.11 UT	0.11 U
Toluene	ug/kg	--	--	--	--	--	--	--	0.12 U	0.089 UT	0.14 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	0.077 U	0.075 UT	0.077 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	0.085 U	0.083 UT	0.084 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	0.11 U	0.11 UT	0.11 U
Trichlorofluoromethane	ug/kg	--	--	--	--	--	--	--	0.46 U	0.45 UT	0.46 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	0.19 U	0.18 UT	0.19 U
Xylene	ug/kg	--	--	--	--	--	--	--	0.16 UT	0.14 UT	0.18 UT

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC05-C2	LW3-UC05-D1	LW3-UC05-D2	LW3-UC06-B	LW3-UC06-C	LW3-UC06-D	LW3-UC06-E	LW3-UC07-B	LW3-UC07-C	LW3-UC07-D
		12 West 124 - 177	12 West 254 - 354	12 West 177 - 280	12 West 30 - 84	12 West 80 - 180	12 West 180 - 239	12 West 239 - 270	12.1 West 30 - 140	12.1 West 140 - 191	12.1 West 191 - 262
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1221	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1232	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1242	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1248	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1254	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1260	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1262	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Aroclor 1268	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
Total Aroclors	ug/kg	2.5 UT	2.6 UT	2.6 UT	2.4 UT	2.6 UT	2.3 UT	--	2.1 UT	2.6 UT	2.2 UT
<b>Conventionals</b>											
Specific Gravity	NA	1.76 T	1.72	1.63 T	1.79	1.74	1.91	--	2.03 T	1.64	1.86
Total organic carbon	percent	1.05 JT	0.78 J	1.01 JT	0.92 J	0.86 J	0.06 J	--	0.06 J	0.81 J	0.02 UJ
Total solids	percent	69.1 T	66.6	67.2 T	71	67.5	76.1	67.2 T	83.1	65.4	79.6 T
<b>Grainsize</b>											
Medium gravel	percent	2.42 T	0 T	0.065 T	0	0	0	--	2.51	0.00667 T	0
Fine gravel	percent	2.91 T	0.02 T	0.15 T	0.66	2.45	0	--	2.3	0.07 T	0.08
Very coarse sand	percent	5.62 T	0.18 T	0.31 T	3.41	0.23	0.06	--	8.46	0.297 T	2.57
Coarse sand	percent	13.4 T	0.73 T	0.6 T	26.9	1.61	14.6	--	40.5	0.96 T	38.7
Medium sand	percent	29.3 T	11.7 T	4.41 T	23.3	10.5	69.6	--	36.7	4.12 T	41.4
Fines	percent	17.6 T	53.5 T	53.1 T	25.3 T	60.4 T	3.22 T	--	1.31 T	70 T	9.19 T
Fine sand	percent	17.6 T	18.4 T	17.5 T	14.5	11.6	16.2	--	3.99	6.95 T	11.3
Very fine sand	percent	11.2 T	18.7 T	21.3 T	7.57	17.6	0.87	--	1.2	20.7 T	1.88
Coarse silt	percent	5.66 T	15.9 T	16.6 T	5.7	17.1	0.73	--	0.28	23.3 T	1.16
Medium silt	percent	3.98 T	15.3 T	14.6 T	7.23	17.6	1.08	--	0.25	19.5 T	6.93
Fine silt	percent	2.69 T	7.79 T	7.59 T	4.29	9.39	0.59	--	0.37	9.66 T	0
Very fine silt	percent	1.92 T	5.04 T	4.99 T	2.93	5	0.27	--	0.16	5.89 T	0.6
8-9 Phi clay	percent	0.87 T	2.55 T	2.57 T	1.67	3.74	0.28	--	0	3.3 T	0
>9 Phi clay	percent	2.48 T	6.87 T	6.75 T	3.47	7.54	0.27	--	0.25	8.39 T	0.5
<b>Metals</b>											
Aluminum	mg/kg	21300 T	24000	29900 T	14500	24800	13500	--	12800	31800	8320
Antimony	mg/kg	0.06 JT	0.1 J	0.08 JT	0.06 J	0.05 UJ	0.07	--	0.05 UJ	0.07 J	0.06 J
Arsenic	mg/kg	3.4 T	3.34	4.95 T	3.42	5.07	2.65	--	2.95	5.49	1.86
Cadmium	mg/kg	0.115 T	0.13	0.175 T	0.11	0.15	0.08	--	0.07	0.17	0.06
Chromium	mg/kg	24.9 JT	30.6 J	34.4 JT	19.5	29.9	20.6	--	16.7 J	36.6 J	14.9
Copper	mg/kg	23.4 JT	30.7 J	32.8 JT	21.1	30.5	17.7	--	15.4 J	35.2 J	14.5
Lead	mg/kg	4.46 JT	5.15 J	6.89 JT	4.45	6.04	3.19	--	3.5 J	7.3 J	2.5
Mercury	mg/kg	0.0205 JT	0.072	0.0305 T	0.02	0.043	0.012 J	--	0.023	0.04	0.0115 JT
Nickel	mg/kg	27.3 JT	26.6 J	35 JT	24.2	31.5	23.3	--	19 J	33.4 J	19.8
Selenium	mg/kg	0.03 JT	0.06 J	0.06 JT	0.04 J	0.05 J	0.02 U	--	0.02 U	0.08 J	0.02 U
Silver	mg/kg	0.299 T	0.356	0.386 T	0.211	0.239	0.218	--	0.194	0.354	0.155

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC05-C2	LW3-UC05-D1	LW3-UC05-D2	LW3-UC06-B	LW3-UC06-C	LW3-UC06-D	LW3-UC06-E	LW3-UC07-B	LW3-UC07-C	LW3-UC07-D
		12 West 124 - 177	12 West 254 - 354	12 West 177 - 280	12 West 30 - 84	12 West 80 - 180	12 West 180 - 239	12 West 239 - 270	12.1 West 30 - 140	12.1 West 140 - 191	12.1 West 191 - 262
Zinc	mg/kg	57.2 T	63.9	67.9 T	50.7	62.9	51.9	--	50.2	72.8	43
<b>PAHs</b>											
C1-Dibenzothiophene	ug/kg	--	--	--	--	--	--	--	--	--	--
C1-Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--
C1-Fluoranthene/pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--
C1-Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--
C1-Phenanthrene/anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--
C2-Dibenzothiophene	ug/kg	--	--	--	--	--	--	--	--	--	--
C2-Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--
C2-Fluoranthene/pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--
C2-Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--
C2-Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--
C2-Phenanthrene/anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--
C3-Dibenzothiophene	ug/kg	--	--	--	--	--	--	--	--	--	--
C3-Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--
C3-Fluoranthene/pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--
C3-Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--
C3-Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--
C3-Phenanthrene/anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--
C4-Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--
C4-Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--
C4-Phenanthrene/anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	0.49 UT	0.52 U	0.51 UT	1.1 U	0.51 U	0.45 U	--	1.2 U	12	0.45 U
Acenaphthene	ug/kg	390 T	18	7.6 T	70	13	0.8 J	--	26	320	6
Acenaphthylene	ug/kg	0.86 JT	0.34 U	0.33 UT	0.48 J	0.33 U	0.29 U	--	0.36 J	1.3 J	0.28 U
Anthracene	ug/kg	0.4 JT	0.34 U	0.33 UT	0.68 J	0.33 U	0.29 U	--	5	6.6	0.43 J
Benzo(a)anthracene	ug/kg	0.3 JT	0.25 U	0.24 UT	0.23 U	0.24 U	0.22 U	--	1.8 J	0.25 U	0.21 U
Benzo(a)pyrene	ug/kg	0.32 UT	0.34 U	0.33 UT	0.31 U	0.33 U	0.29 U	--	1 J	0.34 U	0.28 U
Benzo(b)fluoranthene	ug/kg	0.71 UT	0.73 U	0.72 UT	0.68 U	0.72 U	0.64 U	--	0.91 J	0.74 U	0.61 U
Benzo(e)pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	0.33 UT	0.35 U	0.35 UT	0.33 U	0.35 U	0.31 U	--	0.94 U	0.36 U	0.3 U
Benzo(k)fluoranthene	ug/kg	0.47 UT	0.5 U	0.5 UT	0.47 U	0.49 U	0.44 U	--	0.66 J	0.51 U	0.42 U
Chrysene	ug/kg	0.58 UT	0.62 U	0.61 UT	0.58 U	0.61 U	0.54 U	--	1.8 J	0.63 U	0.52 U
Dibenzo(a,h)anthracene	ug/kg	0.37 UT	0.4 U	0.39 UT	0.37 U	0.39 U	0.35 U	--	0.32 U	0.4 U	0.33 U
Dibenzothiophene	ug/kg	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	2.4 JT	0.52 U	0.51 UT	0.75 U	0.51 U	0.45 U	--	44	1.7 J	0.49 U
Fluorene	ug/kg	2.7 JT	0.38 J	0.29 UT	1.3 J	0.29 U	0.25 U	--	16	81	3.2
Indeno(1,2,3-cd)pyrene	ug/kg	0.34 UT	0.37 U	0.36 UT	0.34 U	0.36 U	0.32 U	--	0.59 J	0.37 U	0.31 U
Naphthalene	ug/kg	0.57 UT	0.61 U	0.6 UT	13	0.6 U	0.53 U	0.59 U	0.49 U	35	0.51 U
Perylene	ug/kg	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	11 T	1.4 U	0.68 UT	8.5	1.9 U	3.8 U	--	81	58	5.5

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC05-C2	LW3-UC05-D1	LW3-UC05-D2	LW3-UC06-B	LW3-UC06-C	LW3-UC06-D	LW3-UC06-E	LW3-UC07-B	LW3-UC07-C	LW3-UC07-D
		12 West 124 - 177	12 West 254 - 354	12 West 177 - 280	12 West 30 - 84	12 West 80 - 180	12 West 180 - 239	12 West 239 - 270	12.1 West 30 - 140	12.1 West 140 - 191	12.1 West 191 - 262
Pyrene	ug/kg	2.3 JT	0.55 U	0.54 UT	0.64 J	0.54 U	0.48 U	--	43	1.2 J	0.46 U
Total HPAHs	ug/kg	5 JT	0.73 UT	0.72 UT	0.64 JT	0.72 UT	0.64 UT	--	94 JT	2.9 JT	0.61 UT
Total LPAHs	ug/kg	400 JT	18 JT	7.6 T	94 JT	13 T	0.8 JT	--	130 JT	510 JT	15 JT
Total PAHs	ug/kg	410 JT	18 JT	7.6 T	95 JT	13 T	0.8 JT	--	220 JT	520 JT	15 JT
<b>Pesticides</b>											
2,4'-DDD	ug/kg	0.3 UT	0.32 U	0.32 UT	0.3 U	0.32 U	0.28 U	--	0.26 U	0.33 U	0.27 U
2,4'-DDE	ug/kg	0.33 UT	0.35 U	0.35 UT	0.33 U	0.35 U	0.31 U	--	0.28 U	0.36 U	0.3 U
2,4'-DDT	ug/kg	0.2 UT	0.22 U	0.21 UT	0.2 U	0.21 U	0.19 U	--	0.17 U	0.22 U	0.18 U
4,4'-DDD	ug/kg	0.17 UT	0.19 U	0.18 UT	0.17 U	0.18 U	0.16 U	--	0.15 U	0.19 U	0.16 U
4,4'-DDE	ug/kg	0.15 UT	0.16 U	0.15 UT	0.15 U	0.15 U	0.14 U	--	0.13 U	0.16 U	0.13 U
4,4'-DDT	ug/kg	0.2 UT	0.097 U	0.096 UT	0.091 U	0.85 J	0.085 U	--	0.85 U	0.25 U	0.081 U
Total DDD	ug/kg	0.3 UT	0.32 UT	0.32 UT	0.3 UT	0.32 UT	0.28 UT	--	0.26 UT	0.33 UT	0.27 UT
Total DDE	ug/kg	0.33 UT	0.35 UT	0.35 UT	0.33 UT	0.35 UT	0.31 UT	--	0.28 UT	0.36 UT	0.3 UT
Total DDT	ug/kg	0.2 UT	0.22 UT	0.21 UT	0.2 UT	0.85 T	0.19 UT	--	0.85 UT	0.25 UT	0.18 UT
Total DDx	ug/kg	0.33 UT	0.35 UT	0.35 UT	0.33 UT	0.85 T	0.31 UT	--	0.85 UT	0.36 UT	0.3 UT
Aldrin	ug/kg	0.22 UT	0.23 U	0.23 UT	0.22 U	0.23 U	0.2 U	--	0.19 U	0.23 U	0.19 U
alpha-Endosulfan	ug/kg	0.25 UT	0.26 U	0.26 UT	0.24 U	0.26 U	0.23 U	--	0.21 U	0.26 U	0.22 U
alpha-Hexachlorocyclohexane	ug/kg	0.37 UT	0.4 U	0.39 UT	0.37 U	0.39 U	0.35 U	--	0.32 U	0.4 U	0.33 U
beta-Endosulfan	ug/kg	0.27 UT	0.29 U	0.29 UT	0.27 U	0.29 U	0.25 U	--	0.23 U	0.3 U	0.24 U
beta-Hexachlorocyclohexane	ug/kg	0.43 UT	0.46 U	0.45 UT	0.43 U	0.45 U	0.4 U	--	0.37 U	0.46 U	1 U
cis-Chlordane	ug/kg	0.33 UT	0.35 U	0.35 UT	0.33 U	0.35 U	0.31 U	--	0.28 U	0.36 U	0.3 U
cis-Nonachlor	ug/kg	0.12 UT	0.13 U	0.13 UT	0.13 U	0.13 U	0.11 U	--	0.1 U	0.13 U	0.11 U
delta-Hexachlorocyclohexane	ug/kg	0.078 UT	0.083 U	0.082 UT	0.078 U	0.082 U	0.073 U	--	0.067 U	0.085 U	0.9 U
Dieldrin	ug/kg	0.42 UT	0.44 U	0.44 UT	0.41 U	0.43 U	0.39 U	--	0.35 U	0.45 U	0.37 U
Endosulfan sulfate	ug/kg	0.31 JT	0.38 J	0.12 UT	0.97 U	0.48 U	0.11 U	--	0.096 U	0.25 U	0.1 U
Endrin	ug/kg	0.29 UT	0.31 U	0.3 UT	0.29 U	0.3 U	0.27 U	--	0.25 U	0.31 U	0.26 U
Endrin aldehyde	ug/kg	0.075 UT	0.08 U	0.079 UT	0.74 U	0.079 U	0.07 U	--	0.064 U	0.43 U	0.067 U
Endrin ketone	ug/kg	0.12 UT	0.13 U	0.13 UT	0.12 U	0.13 U	0.11 U	--	0.099 U	0.13 U	0.11 U
gamma-Hexachlorocyclohexane	ug/kg	0.22 UT	1 U	0.23 UT	0.22 U	0.23 U	0.2 U	--	0.19 U	0.32 J	0.68 U
Heptachlor	ug/kg	0.12 UT	0.13 U	0.12 UT	0.12 U	0.12 U	0.11 U	--	0.097 U	0.13 U	0.11 U
Heptachlor epoxide	ug/kg	0.19 UT	0.2 U	0.2 UT	0.19 U	0.2 U	0.18 U	--	0.16 U	0.2 U	0.17 U
Methoxychlor	ug/kg	0.15 UT	0.16 U	0.15 UT	0.15 U	0.15 U	0.14 U	--	0.13 U	0.16 U	0.13 U
Mirex	ug/kg	0.15 UT	0.16 U	0.15 UT	0.15 U	0.15 U	0.14 U	--	0.13 U	0.16 U	0.13 U
Oxychlordane	ug/kg	0.53 UT	0.56 U	0.55 UT	0.53 U	0.55 U	0.49 U	--	0.45 U	0.57 U	0.47 U
Total Chlordanes	ug/kg	0.53 UT	0.56 UT	0.55 UT	0.53 UT	0.55 UT	0.49 UT	--	0.45 UT	0.57 UT	0.47 UT
Total Endosulfans	ug/kg	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	13 UT	14 U	14 UT	16 U	14 U	12 U	--	11 U	14 U	12 U
trans-Chlordane	ug/kg	0.091 UT	0.097 U	0.096 UT	0.13 U	0.095 U	0.085 U	--	0.078 U	0.098 U	0.081 U
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	0.2 UT	0.19 UT	0.18 UT	0.17 UT	0.85 JT	0.16 UT	--	0.85 UT	0.25 UT	0.16 UT
trans-Nonachlor	ug/kg	0.13 UT	0.14 U	0.14 UT	0.13 U	0.14 U	0.12 U	--	0.11 U	0.14 U	0.12 U
<b>Petroleum</b>											
Gasoline Range Hydrocarbons	mg/kg	0.87 UT	0.89 U	0.88 UT	0.87 U	0.88 UT	0.78 U	0.88 UT	1.8 U	3.7 U	1.2 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC05-C2	LW3-UC05-D1	LW3-UC05-D2	LW3-UC06-B	LW3-UC06-C	LW3-UC06-D	LW3-UC06-E	LW3-UC07-B	LW3-UC07-C	LW3-UC07-D
		12 West 124 - 177	12 West 254 - 354	12 West 177 - 280	12 West 30 - 84	12 West 80 - 180	12 West 180 - 239	12 West 239 - 270	12.1 West 30 - 140	12.1 West 140 - 191	12.1 West 191 - 262
Diesel Range Hydrocarbons	mg/kg	2.7 JT	2.3 J	2.7 JT	2.5 J	2.5 J	1.6 UT	--	1.5 U	2.8 J	1.6 U
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--	--	--	--	--	--	--
Residual Range Hydrocarbons	mg/kg	36 JT	25 U	35 JT	36 J	33 U	5.8 JT	--	7.1 U	27 U	5.6 U
Residual Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	mg/kg	39 JT	2.3 JT	38 JT	39 JT	2.5 JT	5.8 JT	--	7.1 UT	2.8 JT	5.6 UT
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--	--	--	--	--	--	--
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	0.88 UT	0.94 U	0.93 UT	0.88 U	0.92 U	0.82 U	--	0.75 U	0.95 U	0.79 U
2,3,5,6-Tetrachlorophenol	ug/kg	0.43 UT	0.46 U	0.45 UT	0.43 U	0.45 U	0.4 U	--	0.37 U	0.46 U	0.38 U
2,4,5-Trichlorophenol	ug/kg	0.78 UT	0.83 U	0.82 UT	0.78 U	0.82 U	0.73 U	--	0.67 U	0.85 U	0.7 U
2,4,6-Trichlorophenol	ug/kg	0.56 UJT	0.59 UJ	0.58 UJT	0.55 UJ	0.58 UJ	0.52 UJ	--	0.47 UJ	0.6 UJ	0.5 UJ
2,4-Dichlorophenol	ug/kg	2.6 UT	2.8 U	2.7 UT	2.6 U	2.7 U	2.4 U	--	2.2 U	2.8 U	2.3 U
2,4-Dimethylphenol	ug/kg	7.8 UT	8.3 U	8.2 UT	7.8 U	8.2 U	7.3 U	--	6.7 U	8.5 U	7 U
2,4-Dinitrophenol	ug/kg	51 UT	55 U	54 UT	51 U	54 U	48 U	--	44 U	56 U	46 U
2-Chlorophenol	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
2-Methylphenol	ug/kg	4.9 UT	5.2 U	5.1 UT	4.8 U	5.1 U	4.5 U	--	4.1 U	5.2 U	4.3 U
2-Nitrophenol	ug/kg	3.7 UT	4 U	3.9 UT	3.7 U	3.9 U	3.5 U	--	3.2 U	4 U	3.3 U
4,6-Dinitro-2-methylphenol	ug/kg	2.5 UT	2.6 U	2.6 UT	2.4 U	2.6 U	2.3 U	--	2.1 U	2.6 U	2.2 U
4-Chloro-3-methylphenol	ug/kg	3 UT	3.2 U	3.2 UT	3 U	3.2 U	2.8 U	--	2.6 U	3.3 U	2.7 U
4-Methylphenol	ug/kg	4.2 UT	4.4 U	4.4 UT	4.1 U	4.3 U	3.9 U	--	3.5 U	4.5 U	3.7 U
4-Nitrophenol	ug/kg	43 UT	46 U	45 UT	43 U	45 U	40 U	--	37 U	46 U	38 U
Pentachlorophenol	ug/kg	0.2 UT	0.22 U	0.21 UT	0.2 U	0.21 U	0.19 U	--	0.17 U	0.22 U	0.18 U
Phenol	ug/kg	9.1 UT	2.9 U	8.6 UT	4.2 U	4.6 U	2.8 U	--	5.8 U	9.1 U	4 U
<b>Phthalates</b>											
Bis(2-ethylhexyl) phthalate	ug/kg	2.5 UT	50	6.7 UT	5.6 J	2.6 U	2.5 J	--	5.8 U	4.4 U	4.2 J
Butylbenzyl phthalate	ug/kg	2.2 UT	2.3 U	2.3 UT	2.2 U	2.3 U	2 U	--	1.9 U	2.3 U	1.9 U
Dibutyl phthalate	ug/kg	5.8 JT	5.1 J	5.8 JT	3.7 U	3.9 U	3.6 J	--	5 J	4.8 J	3.3 U
Diethyl phthalate	ug/kg	5 UT	5.3 U	5.3 UT	5 U	5.2 U	4.6 U	--	4.3 U	5.4 U	4.5 U
Dimethyl phthalate	ug/kg	2.6 UT	2.8 U	2.7 UT	2.6 U	2.7 U	2.4 U	--	2.2 U	2.8 U	2.3 U
Di-n-octyl phthalate	ug/kg	1.7 UT	1.9 U	1.8 UT	1.7 U	1.8 U	1.6 U	--	1.5 U	1.9 U	1.6 U
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	2.2 UT	2.3 U	2.3 UT	2.2 U	2.3 U	2 U	--	1.9 U	2.3 U	1.9 U
1,2-Dichlorobenzene	ug/kg	1.9 UT	2 U	2 UT	1.9 U	2 U	1.8 U	--	1.6 U	2 U	1.7 U
1,3-Dichlorobenzene	ug/kg	2.3 UT	2.5 U	2.4 UT	2.3 U	2.4 U	2.2 U	--	2 U	2.5 U	2.1 U
1,4-Dichlorobenzene	ug/kg	0.27 UT	0.29 U	0.29 UT	0.27 U	0.29 U	0.25 U	0.29 U	0.23 U	0.3 U	0.24 U
2,4-Dinitrotoluene	ug/kg	4 UT	4.3 U	4.2 UT	4 U	4.2 U	3.7 U	--	3.4 U	4.3 U	3.6 U
2,6-Dinitrotoluene	ug/kg	4 UT	4.3 U	4.2 UT	4 U	4.2 U	3.7 U	--	3.4 U	4.3 U	3.6 U
2-Chloronaphthalene	ug/kg	5.1 UT	5.5 U	5.4 UT	5.1 U	5.4 U	4.8 U	--	4.4 U	5.6 U	4.6 U
2-Nitroaniline	ug/kg	3.9 UT	4.1 U	4.1 UT	3.9 U	4 U	3.6 U	--	3.3 U	4.2 U	3.5 U
3,3'-Dichlorobenzidine	ug/kg	5.3 UT	5.6 U	5.5 UT	5.3 U	5.5 U	4.9 U	--	4.5 U	5.7 U	4.7 U
3-Nitroaniline	ug/kg	3.7 UT	4 U	3.9 UT	3.7 U	3.9 U	3.5 U	--	3.2 U	4 U	3.3 U
4-Bromophenyl phenyl ether	ug/kg	2 UT	2.2 U	2.1 UT	2 U	2.1 U	1.9 U	--	1.7 U	2.2 U	1.8 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC05-C2	LW3-UC05-D1	LW3-UC05-D2	LW3-UC06-B	LW3-UC06-C	LW3-UC06-D	LW3-UC06-E	LW3-UC07-B	LW3-UC07-C	LW3-UC07-D
		12 West 124 - 177	12 West 254 - 354	12 West 177 - 280	12 West 30 - 84	12 West 80 - 180	12 West 180 - 239	12 West 239 - 270	12.1 West 30 - 140	12.1 West 140 - 191	12.1 West 191 - 262
4-Chloroaniline	ug/kg	3 UT	3.2 U	3.2 UT	3 U	3.2 U	2.8 U	--	2.6 U	3.3 U	2.7 U
4-Chlorophenyl phenyl ether	ug/kg	2.9 UT	3.1 U	3 UT	2.9 U	3 U	2.7 U	--	2.5 U	3.1 U	2.6 U
4-Nitroaniline	ug/kg	4.9 UT	5.2 U	5.1 UT	4.8 U	5.1 U	4.5 U	--	4.1 U	5.2 U	4.3 U
Aniline	ug/kg	2.2 UT	2.3 U	2.3 UT	2.2 U	2.3 U	2 U	--	1.9 U	2.3 U	1.9 U
Azobenzene	ug/kg	3.4 UT	3.7 U	3.6 UT	3.4 U	3.6 U	3.2 U	--	2.9 U	3.7 U	3.1 U
Benzoic acid	ug/kg	140 UT	150 U	150 UT	140 U	150 U	130 U	--	120 U	150 U	130 U
Benzyl alcohol	ug/kg	69 T	24	28 T	16	24	22	--	20	33	9.8 J
Bis(2-chloroethoxy) methane	ug/kg	1.9 UT	2 U	2 UT	1.9 U	2 U	1.8 U	--	1.6 U	2 U	1.7 U
Bis(2-chloroethyl) ether	ug/kg	3.4 UT	3.7 U	3.6 UT	3.4 U	3.6 U	3.2 U	--	2.9 U	3.7 U	3.1 U
Bis(2-chloroisopropyl) ether	ug/kg	1.7 UJT	1.9 UJ	1.8 UJT	1.7 U	1.8 U	1.6 U	--	1.5 UJ	1.9 UJ	1.6 U
Carbazole	ug/kg	1.9 UT	2 U	2 UT	1.9 U	2 U	1.8 U	--	1.6 U	47	1.7 U
Dibenzofuran	ug/kg	0.29 JT	0.26 U	0.26 UT	1.1 J	0.26 U	0.23 U	--	2.4 J	41	0.4 J
Hexachlorobenzene	ug/kg	0.12 UT	0.72 U	0.12 UT	0.12 U	0.12 U	0.11 U	--	0.096 U	0.13 U	0.1 U
Hexachlorobutadiene	ug/kg	0.7 UT	0.74 U	0.73 UT	0.7 U	0.73 U	0.65 U	--	0.59 U	0.75 U	0.62 U
Hexachlorocyclopentadiene	ug/kg	22 UT	23 U	23 UT	22 U	23 U	20 U	--	19 U	23 U	19 U
Hexachloroethane	ug/kg	0.99 UT	1 U	0.47 UT	0.23 U	0.99 U	2.9 U	--	0.2 U	0.87 U	0.79 J
Isophorone	ug/kg	3.9 JT	2.5 U	2.4 UT	2.3 U	2.4 U	2.2 U	--	2 U	2.5 U	2.1 U
Nitrobenzene	ug/kg	2.9 UT	3.1 U	3 UT	2.9 U	3 U	2.7 U	--	2.5 U	3.1 U	2.6 U
N-Nitrosodimethylamine	ug/kg	8.7 UT	9.2 U	9.1 UT	8.6 U	9.1 U	8.1 U	--	7.4 U	9.4 U	7.7 U
N-Nitrosodiphenylamine	ug/kg	3.2 UT	3.4 U	3.3 UT	3.1 U	3.3 U	2.9 U	--	2.7 U	3.4 U	2.8 U
N-Nitrosodipropylamine	ug/kg	4.6 UT	4.9 U	4.8 UT	4.6 U	4.8 U	4.3 U	--	3.9 U	4.9 U	4.1 U
<b>VOCs</b>											
1,1,1,2-Tetrachloroethane	ug/kg	0.077 UT	0.082 U	0.081 UT	0.077 U	0.08 U	0.071 U	0.08 U	0.065 U	0.083 U	0.069 U
1,1,1-Trichloroethane	ug/kg	0.11 UT	0.12 U	0.12 UT	0.11 U	0.12 U	0.1 U	0.12 U	0.092 U	0.12 U	0.096 U
1,1,2,2-Tetrachloroethane	ug/kg	0.17 UT	0.19 U	0.18 UT	0.17 U	0.18 U	0.16 U	0.18 U	0.15 U	0.19 U	0.16 U
1,1,2-Trichloroethane	ug/kg	0.097 UT	0.11 U	0.11 UT	0.096 U	0.11 U	0.09 U	0.11 U	0.082 U	0.11 U	0.086 U
1,1-Dichloroethane	ug/kg	0.087 UT	0.092 U	0.091 UT	0.086 U	0.091 U	0.081 U	0.09 U	0.074 U	0.094 U	0.077 U
1,1-Dichloroethene	ug/kg	0.12 UT	0.13 U	0.13 UT	0.12 U	0.13 U	0.11 U	0.13 U	0.1 U	0.13 U	0.11 U
1,2,3-Trichloropropane	ug/kg	0.26 UT	0.28 U	0.27 UT	0.26 U	0.27 U	0.24 U	0.27 U	0.22 U	0.28 U	0.23 U
1,2-Dichloroethane	ug/kg	0.14 UT	0.15 U	0.15 UT	0.14 U	0.15 U	0.13 U	0.15 U	0.12 U	0.15 U	0.13 U
1,2-Dichloropropane	ug/kg	0.094 UT	0.1 U	0.099 UT	0.093 U	0.098 U	0.087 U	0.098 U	0.08 U	0.11 U	0.084 U
1,4-Dichloro-trans-2-butene	ug/kg	0.47 UT	0.5 U	0.5 UT	0.47 U	0.49 U	0.44 U	0.49 U	0.4 U	0.51 U	0.42 U
2-Chloroethyl vinyl ether	ug/kg	0.22 UT	0.23 U	0.23 UT	0.22 U	0.23 U	0.2 U	0.23 U	0.19 U	0.23 U	0.19 U
Acetone	ug/kg	61 UT	36 U	22 UT	30 U	20 U	24 U	57 U	24 U	32 U	23 U
Acrylonitrile	ug/kg	0.58 UT	0.62 U	0.61 UT	0.58 U	0.61 U	0.54 U	0.61 U	0.5 U	0.63 U	0.52 U
Benzene	ug/kg	0.12 JT	0.067 U	0.066 UT	0.062 U	0.066 U	0.058 U	0.065 U	0.053 U	0.69 J	0.056 U
Bromochloromethane	ug/kg	0.14 UT	0.15 U	0.15 UT	0.14 U	0.15 U	0.13 U	0.15 U	0.12 U	0.15 U	0.13 U
Bromodichloromethane	ug/kg	0.057 UT	0.061 U	0.06 UT	0.057 U	0.06 U	0.053 U	0.059 U	0.049 U	0.062 U	0.051 U
Bromoform	ug/kg	0.17 UT	0.19 U	0.18 UT	0.17 U	0.18 U	0.16 U	0.18 U	0.15 U	0.19 U	0.16 U
Bromomethane	ug/kg	0.4 UT	0.43 U	0.42 UT	0.4 U	0.42 U	0.37 U	0.42 U	0.34 U	0.43 U	0.36 U
Carbon disulfide	ug/kg	0.095 UT	0.11 U	0.11 JT	0.095 U	0.1 U	0.089 U	0.099 U	0.084 J	0.11 U	0.085 U
Carbon tetrachloride	ug/kg	0.071 UT	0.076 U	0.075 UT	0.071 U	0.075 U	0.066 U	0.074 U	0.061 U	0.077 U	0.064 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC05-C2	LW3-UC05-D1	LW3-UC05-D2	LW3-UC06-B	LW3-UC06-C	LW3-UC06-D	LW3-UC06-E	LW3-UC07-B	LW3-UC07-C	LW3-UC07-D
		12 West 124 - 177	12 West 254 - 354	12 West 177 - 280	12 West 30 - 84	12 West 80 - 180	12 West 180 - 239	12 West 239 - 270	12.1 West 30 - 140	12.1 West 140 - 191	12.1 West 191 - 262
Chlorobenzene	ug/kg	0.085 UT	0.091 U	0.09 UT	0.085 U	0.089 U	0.079 U	0.089 U	0.073 U	0.37 J	0.076 U
Chlorodibromomethane	ug/kg	0.15 UT	0.16 U	0.15 UT	0.15 U	0.15 U	0.14 U	0.15 U	0.13 U	0.16 U	0.13 U
Chloroethane	ug/kg	0.29 UT	0.31 U	0.3 UT	0.29 U	0.3 U	0.27 U	0.3 U	0.25 U	0.31 U	0.26 U
Chloroform	ug/kg	0.12 UT	0.12 U	0.12 UT	0.12 U	0.12 U	0.11 U	0.12 U	0.096 U	0.13 U	0.1 U
Chloromethane	ug/kg	0.11 UT	0.12 U	0.12 UT	0.11 U	0.12 U	0.099 U	0.12 U	0.091 U	0.12 U	0.095 U
cis-1,2-Dichloroethene	ug/kg	0.14 UT	0.15 U	0.15 UT	0.14 U	0.15 U	0.13 U	0.15 U	0.12 U	0.15 U	0.13 U
cis-1,3-Dichloropropene	ug/kg	0.088 UT	0.094 U	0.093 UT	0.088 U	0.092 U	0.082 U	0.092 U	0.075 U	0.095 U	0.079 U
Dichlorodifluoromethane	ug/kg	0.084 UT	0.089 U	0.088 UT	0.084 U	0.088 U	0.078 U	0.088 U	0.071 U	0.091 U	0.075 U
Ethylbenzene	ug/kg	0.073 UT	0.077 U	0.076 UT	0.072 U	0.076 U	0.068 U	0.076 U	0.062 U	0.18 U	0.065 U
Ethylene dibromide	ug/kg	0.087 UT	0.092 U	0.091 UT	0.086 U	0.091 U	0.081 U	0.09 U	0.074 U	0.094 U	0.077 U
Isopropylbenzene	ug/kg	0.13 UT	0.13 U	0.13 UT	0.12 U	0.13 U	0.12 U	0.13 U	0.11 U	0.78	0.11 U
Methyl iodide	ug/kg	0.47 UT	0.5 U	0.5 UT	0.47 U	0.49 U	0.44 U	0.49 U	0.4 U	0.51 U	0.42 U
Methyl isobutyl ketone	ug/kg	0.71 UT	0.76 U	0.75 UT	0.71 U	0.75 U	0.66 U	0.74 U	0.61 U	0.77 U	0.64 U
Methyl n-butyl ketone	ug/kg	5 UT	5.3 U	5.3 UT	5 U	5.2 U	4.6 U	5.2 U	4.3 U	5.4 U	4.5 U
Methylene bromide	ug/kg	0.1 UT	0.11 U	0.11 UT	0.099 U	0.11 U	0.092 U	0.11 U	0.085 U	0.11 U	0.089 U
Methylene chloride	ug/kg	5.4 UT	2.8 U	2.6 UT	5.7 U	2.2 U	3.5 U	5.1 U	2.7 U	3.2 U	2 U
m,p-Xylene	ug/kg	0.16 UT	0.17 U	0.17 UT	0.18 U	0.17 U	0.15 U	0.17 U	0.14 U	0.23 U	0.14 U
Methyl tert-butyl ether	ug/kg	0.11 UT	0.11 U	0.11 UT	0.1 U	0.11 U	0.094 U	0.11 U	0.086 U	0.11 U	0.09 U
o-Xylene	ug/kg	0.081 UT	0.086 U	0.085 UT	0.081 U	0.085 U	0.075 U	0.085 U	0.069 U	0.27 U	0.072 U
Styrene	ug/kg	0.14 UT	0.15 U	0.14 UT	0.13 U	0.14 U	0.13 U	0.14 U	0.12 U	0.15 U	0.12 U
Tetrachloroethene	ug/kg	0.13 UT	0.13 U	0.13 UT	0.12 U	0.13 U	0.12 U	0.13 U	0.11 U	0.13 U	0.11 U
Toluene	ug/kg	0.12 UT	0.11 U	0.11 UT	0.17 U	0.11 U	0.092 U	0.12 U	0.085 U	0.11 U	0.089 U
trans-1,2-Dichloroethene	ug/kg	0.084 UT	0.089 U	0.088 UT	0.084 U	0.088 U	0.078 U	0.088 U	0.071 U	0.091 U	0.075 U
trans-1,3-Dichloropropene	ug/kg	0.092 UT	0.098 U	0.097 UT	0.092 U	0.097 U	0.086 U	0.096 U	0.079 U	0.1 U	0.082 U
Trichloroethene	ug/kg	0.12 UT	0.13 U	0.13 UT	0.12 U	0.12 U	0.11 U	0.12 U	0.098 U	0.13 U	0.11 U
Trichlorofluoromethane	ug/kg	0.5 UT	0.53 U	0.53 UT	0.5 U	0.52 U	0.46 U	0.52 U	0.43 U	0.54 U	0.45 U
Vinyl chloride	ug/kg	0.2 UT	0.22 U	0.21 UT	0.2 U	0.21 U	0.19 U	0.21 U	0.17 U	0.22 U	0.18 U
Xylene	ug/kg	0.16 UT	0.17 UT	0.17 UT	0.18 UT	0.17 UT	0.15 UT	0.17 UT	0.14 UT	0.27 UT	0.14 UT



**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC07-E	LW3-UC08-B	LW3-UC08-C	LW3-UC08-D
		12.1 West 262 - 298	12.1 West 30 - 135	12.1 West 135 - 203	12.1 West 203 - 273
<b>PCB Aroclors</b>					
Aroclor 1016	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1221	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1232	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1242	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1248	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1254	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1260	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1262	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Aroclor 1268	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
Total Aroclors	ug/kg	2.6 UT	2.3 UT	2.5 UT	2.5 UT
<b>Conventionals</b>					
Specific Gravity	NA	1.68	1.81	1.74	1.78
Total organic carbon	percent	0.74 J	1.27 J	0.6 J	0.37 J
Total solids	percent	66.8	75.5	69.6	70.6
<b>Grainsize</b>					
Medium gravel	percent	0.05	0.52	0	0
Fine gravel	percent	0.35	0.16	0.07	0.06
Very coarse sand	percent	1.02	0.18	0.13	0.06
Coarse sand	percent	3.31	5.51	0.22	0.82
Medium sand	percent	3.01	36.9	6.93	19.2
Fines	percent	55.9 T	32.1 T	51.6 T	38.8 T
Fine sand	percent	16.1	12.9	19.9	27.8
Very fine sand	percent	23.2	9.39	22.3	15.5
Coarse silt	percent	15.7	8.21	20	14.1
Medium silt	percent	15.6	9.29	12.4	8.35
Fine silt	percent	8.59	5.52	6.61	6.17
Very fine silt	percent	5.5	3.09	3.87	2.94
8-9 Phi clay	percent	3.18	2.11	2.42	2.08
>9 Phi clay	percent	7.37	3.86	6.32	5.17
<b>Metals</b>					
Aluminum	mg/kg	19300 T	19400	22000	27800
Antimony	mg/kg	0.08 JT	0.13 J	0.09 J	0.05 J
Arsenic	mg/kg	3.67 T	2.97	3.53	4.03
Cadmium	mg/kg	0.14 T	0.19	0.13	0.14
Chromium	mg/kg	26.4 T	24.8 J	30.9 J	34.4 J
Copper	mg/kg	29 T	41.7 J	26.5 J	27.3 J
Lead	mg/kg	5.92 T	37.5 J	5.52 J	6.02 J
Mercury	mg/kg	0.025	0.164	0.019	0.018 J
Nickel	mg/kg	29.3 T	24.7 J	31.4 J	36.9 J
Selenium	mg/kg	0.05 JT	0.03 J	0.04 J	0.03 J
Silver	mg/kg	0.304 T	0.901	0.349	0.268

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC07-E	LW3-UC08-B	LW3-UC08-C	LW3-UC08-D
		12.1 West 262 - 298	12.1 West 30 - 135	12.1 West 135 - 203	12.1 West 203 - 273
Zinc	mg/kg	60.2 T	76.4	62.5	65.3
<b>PAHs</b>					
C1-Dibenzothiophene	ug/kg	--	--	--	--
C1-Chrysene	ug/kg	--	--	--	--
C1-Fluoranthene/pyrene	ug/kg	--	--	--	--
C1-Fluorene	ug/kg	--	--	--	--
C1-Phenanthrene/anthracene	ug/kg	--	--	--	--
C2-Dibenzothiophene	ug/kg	--	--	--	--
C2-Chrysene	ug/kg	--	--	--	--
C2-Fluoranthene/pyrene	ug/kg	--	--	--	--
C2-Fluorene	ug/kg	--	--	--	--
C2-Naphthalene	ug/kg	--	--	--	--
C2-Phenanthrene/anthracene	ug/kg	--	--	--	--
C3-Dibenzothiophene	ug/kg	--	--	--	--
C3-Chrysene	ug/kg	--	--	--	--
C3-Fluoranthene/pyrene	ug/kg	--	--	--	--
C3-Fluorene	ug/kg	--	--	--	--
C3-Naphthalene	ug/kg	--	--	--	--
C3-Phenanthrene/anthracene	ug/kg	--	--	--	--
C4-Chrysene	ug/kg	--	--	--	--
C4-Naphthalene	ug/kg	--	--	--	--
C4-Phenanthrene/anthracene	ug/kg	--	--	--	--
1-Methylnaphthalene	ug/kg	--	--	--	--
2-Methylnaphthalene	ug/kg	0.75 U	470	3.1 U	0.49 U
Acenaphthene	ug/kg	43	2000	53	0.33 J
Acenaphthylene	ug/kg	0.33 U	130	0.45 J	0.32 U
Anthracene	ug/kg	0.33 U	1800	0.99 J	0.32 U
Benzo(a)anthracene	ug/kg	0.24 U	880	1.1 J	0.23 U
Benzo(a)pyrene	ug/kg	0.33 U	820	0.95 J	0.32 U
Benzo(b)fluoranthene	ug/kg	0.72 U	540	1.8 J	0.68 U
Benzo(e)pyrene	ug/kg	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	0.35 U	520	0.92 U	0.33 U
Benzo(k)fluoranthene	ug/kg	0.5 U	480	0.48 U	0.47 U
Chrysene	ug/kg	0.62 U	930	1.1 J	0.59 U
Dibenzo(a,h)anthracene	ug/kg	0.39 U	65	0.38 U	0.37 U
Dibenzothiophene	ug/kg	--	--	--	--
Fluoranthene	ug/kg	0.51 U	3300	2.9	0.49 U
Fluorene	ug/kg	5	1500	7.3	0.27 U
Indeno(1,2,3-cd)pyrene	ug/kg	0.36 U	470	0.65 J	0.34 U
Naphthalene	ug/kg	0.6 U	900	10	0.57 U
Perylene	ug/kg	--	--	--	--
Phenanthrene	ug/kg	1.5 U	5100	4.5 U	0.48 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC07-E	LW3-UC08-B	LW3-UC08-C	LW3-UC08-D
		12.1 West 262 - 298	12.1 West 30 - 135	12.1 West 135 - 203	12.1 West 203 - 273
Pyrene	ug/kg	0.54 U	4000	3.1	0.51 U
Total HPAHs	ug/kg	0.72 UT	12000 T	12 JT	0.68 UT
Total LPAHs	ug/kg	48 T	12000 T	72 JT	0.33 JT
Total PAHs	ug/kg	48 T	24000 T	83 JT	0.33 JT
<b>Pesticides</b>					
2,4'-DDD	ug/kg	0.32 U	0.28 U	0.31 U	0.3 U
2,4'-DDE	ug/kg	0.35 U	0.6 U	0.34 U	0.33 U
2,4'-DDT	ug/kg	0.21 U	0.67 U	0.21 U	0.2 U
4,4'-DDD	ug/kg	0.18 U	1 U	0.18 U	0.21 U
4,4'-DDE	ug/kg	0.15 U	1.3 U	0.15 U	0.15 U
4,4'-DDT	ug/kg	0.15 U	0.52 J	0.092 U	0.17 J
Total DDD	ug/kg	0.32 UT	1 UT	0.31 UT	0.3 UT
Total DDE	ug/kg	0.35 UT	1.3 UT	0.34 UT	0.33 UT
Total DDT	ug/kg	0.21 UT	0.52 T	0.21 UT	0.17 T
Total DDx	ug/kg	0.35 UT	0.52 T	0.34 UT	0.17 T
Aldrin	ug/kg	0.23 U	1 U	0.22 U	0.22 U
alpha-Endosulfan	ug/kg	0.26 U	0.23 U	0.25 U	0.25 U
alpha-Hexachlorocyclohexane	ug/kg	0.39 U	0.35 U	0.38 U	0.37 U
beta-Endosulfan	ug/kg	0.29 U	0.69 U	0.28 U	0.27 U
beta-Hexachlorocyclohexane	ug/kg	0.45 U	1.3 U	0.44 U	0.99 U
cis-Chlordane	ug/kg	0.35 U	0.37 NJ	0.34 U	0.33 U
cis-Nonachlor	ug/kg	0.13 U	1.2 NJ	0.12 U	0.15 U
delta-Hexachlorocyclohexane	ug/kg	0.083 U	0.15 NJ	0.21 U	0.078 U
Dieldrin	ug/kg	0.44 U	1 U	0.42 U	0.42 U
Endosulfan sulfate	ug/kg	0.14 U	0.92 U	0.12 U	0.12 U
Endrin	ug/kg	0.3 U	0.97 J	0.29 U	0.29 U
Endrin aldehyde	ug/kg	0.08 U	1.1 U	0.077 U	0.25 J
Endrin ketone	ug/kg	0.13 U	0.85 U	0.12 U	0.12 U
gamma-Hexachlorocyclohexane	ug/kg	0.23 U	0.2 U	0.22 U	0.22 U
Heptachlor	ug/kg	0.12 U	0.12 NJ	0.12 U	0.12 U
Heptachlor epoxide	ug/kg	0.2 U	0.28 J	0.19 U	0.19 U
Methoxychlor	ug/kg	0.15 U	1.5 U	0.15 U	0.15 U
Mirex	ug/kg	0.15 U	0.74 J	0.15 U	0.15 U
Oxychlordane	ug/kg	0.56 U	0.5 U	0.54 U	0.53 U
Total Chlordanes	ug/kg	0.56 UT	2 JT	0.54 UT	0.53 UT
Total Endosulfans	ug/kg	--	--	--	--
Toxaphene	ug/kg	14 U	34 U	23 U	13 U
trans-Chlordane	ug/kg	0.096 U	0.085 U	0.092 U	0.091 U
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	0.18 UT	0.52 JT	0.18 UT	0.17 JT
trans-Nonachlor	ug/kg	0.14 U	0.43 J	0.13 U	0.13 U
<b>Petroleum</b>					
Gasoline Range Hydrocarbons	mg/kg	1.8 U	29 J	1.7 U	2.9 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC07-E	LW3-UC08-B	LW3-UC08-C	LW3-UC08-D
		12.1 West 262 - 298	12.1 West 30 - 135	12.1 West 135 - 203	12.1 West 203 - 273
Diesel Range Hydrocarbons	mg/kg	1.9 J	140 J	1.8 U	1.7 U
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--
Residual Range Hydrocarbons	mg/kg	26 U	320 J	22 U	16 U
Residual Range Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--
Total Petroleum Hydrocarbons	mg/kg	1.9 JT	490 JT	22 UT	16 UT
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	--	--	--	--
<b>Phenols</b>					
2,3,4,5-Tetrachlorophenol	ug/kg	0.93 U	0.83 U	0.9 U	0.88 U
2,3,5,6-Tetrachlorophenol	ug/kg	0.45 U	0.4 U	0.44 U	0.43 U
2,4,5-Trichlorophenol	ug/kg	0.83 U	0.73 U	0.8 U	0.78 U
2,4,6-Trichlorophenol	ug/kg	0.59 UJ	0.52 UJ	0.57 UJ	0.56 UJ
2,4-Dichlorophenol	ug/kg	2.7 U	2.4 U	2.6 U	2.6 U
2,4-Dimethylphenol	ug/kg	8.3 U	7.3 U	8 U	7.8 U
2,4-Dinitrophenol	ug/kg	54 U	48 U	52 U	51 U
2-Chlorophenol	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
2-Methylphenol	ug/kg	5.1 U	4.6 U	4.9 U	4.9 U
2-Nitrophenol	ug/kg	3.9 U	3.5 U	3.8 U	3.7 U
4,6-Dinitro-2-methylphenol	ug/kg	2.6 U	2.3 U	2.5 U	2.5 U
4-Chloro-3-methylphenol	ug/kg	3.2 U	2.8 U	3.1 U	3 U
4-Methylphenol	ug/kg	4.4 U	29	4.2 U	4.2 U
4-Nitrophenol	ug/kg	45 U	40 U	44 U	43 U
Pentachlorophenol	ug/kg	0.21 U	0.19 U	0.21 U	0.2 U
Phenol	ug/kg	5.9 U	14 U	9.3 U	5.9 U
<b>Phthalates</b>					
Bis(2-ethylhexyl) phthalate	ug/kg	19 J	2.3 U	5.4 U	17 U
Butylbenzyl phthalate	ug/kg	2.3 U	2 U	2.2 U	2.2 U
Dibutyl phthalate	ug/kg	3.9 U	3.5 U	5.2 J	4.5 J
Diethyl phthalate	ug/kg	5.3 U	4.7 U	5.1 U	5 U
Dimethyl phthalate	ug/kg	2.7 U	2.4 U	2.6 U	2.6 U
Di-n-octyl phthalate	ug/kg	1.8 U	1.6 U	1.8 U	1.7 U
<b>SVOCs</b>					
1,2,4-Trichlorobenzene	ug/kg	2.3 U	2 U	2.2 U	2.2 U
1,2-Dichlorobenzene	ug/kg	2 U	1.8 U	1.9 U	1.9 U
1,3-Dichlorobenzene	ug/kg	2.4 U	2.2 U	2.3 U	2.3 U
1,4-Dichlorobenzene	ug/kg	0.29 U	0.26 U	0.28 U	0.27 U
2,4-Dinitrotoluene	ug/kg	4.2 U	3.8 U	4.1 U	4 U
2,6-Dinitrotoluene	ug/kg	4.2 U	3.8 U	4.1 U	4 U
2-Chloronaphthalene	ug/kg	5.4 U	4.8 U	5.2 U	5.1 U
2-Nitroaniline	ug/kg	4.1 U	3.6 U	3.9 U	3.9 U
3,3'-Dichlorobenzidine	ug/kg	5.6 U	5 U	5.4 U	5.3 U
3-Nitroaniline	ug/kg	3.9 U	3.5 U	3.8 U	3.7 U
4-Bromophenyl phenyl ether	ug/kg	2.1 U	1.9 U	2.1 U	2 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC07-E	LW3-UC08-B	LW3-UC08-C	LW3-UC08-D
		12.1 West 262 - 298	12.1 West 30 - 135	12.1 West 135 - 203	12.1 West 203 - 273
4-Chloroaniline	ug/kg	3.2 U	2.8 U	3.1 U	3 U
4-Chlorophenyl phenyl ether	ug/kg	3 U	2.7 U	2.9 U	2.9 U
4-Nitroaniline	ug/kg	5.1 U	4.6 U	4.9 U	4.9 U
Aniline	ug/kg	2.3 U	2 U	2.2 U	2.2 U
Azobenzene	ug/kg	3.6 U	3.2 U	3.5 U	3.4 U
Benzoic acid	ug/kg	150 U	130 U	140 U	140 U
Benzyl alcohol	ug/kg	23	62	20	19
Bis(2-chloroethoxy) methane	ug/kg	2 U	1.8 U	1.9 U	1.9 U
Bis(2-chloroethyl) ether	ug/kg	3.6 U	3.2 U	3.5 U	3.4 U
Bis(2-chloroisopropyl) ether	ug/kg	1.8 U	1.6 UJ	1.8 UJ	1.7 UJ
Carbazole	ug/kg	2 U	630	10	1.9 U
Dibenzofuran	ug/kg	1.9 J	380	2.1 J	0.25 U
Hexachlorobenzene	ug/kg	0.12 U	0.54 U	0.41 U	0.58 U
Hexachlorobutadiene	ug/kg	0.74 U	0.65 U	0.71 U	1.3 U
Hexachlorocyclopentadiene	ug/kg	23 U	20 U	22 U	22 U
Hexachloroethane	ug/kg	0.24 U	0.22 U	1.1 U	0.99 U
Isophorone	ug/kg	2.4 U	2.2 U	2.3 U	2.3 U
Nitrobenzene	ug/kg	3 U	2.7 U	2.9 U	2.9 U
N-Nitrosodimethylamine	ug/kg	9.2 U	8.1 U	8.8 U	8.7 U
N-Nitrosodiphenylamine	ug/kg	3.3 U	3 U	3.2 U	3.2 U
N-Nitrosodipropylamine	ug/kg	4.8 U	4.3 U	4.6 U	4.6 U
<b>VOCs</b>					
1,1,1,2-Tetrachloroethane	ug/kg	0.081 U	0.072 U	0.078 U	0.077 U
1,1,1-Trichloroethane	ug/kg	0.12 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	ug/kg	0.18 U	0.16 U	0.18 U	0.17 U
1,1,2-Trichloroethane	ug/kg	0.11 U	0.091 U	0.098 U	0.097 U
1,1-Dichloroethane	ug/kg	0.092 U	0.081 U	0.088 U	0.087 U
1,1-Dichloroethene	ug/kg	0.13 U	0.11 U	0.12 U	0.12 U
1,2,3-Trichloropropane	ug/kg	0.27 U	0.24 U	0.26 U	0.26 U
1,2-Dichloroethane	ug/kg	0.15 U	0.13 U	0.14 U	0.14 U
1,2-Dichloropropane	ug/kg	0.099 U	0.088 U	0.095 U	0.094 U
1,4-Dichloro-trans-2-butene	ug/kg	0.5 U	0.44 U	0.48 U	0.47 U
2-Chloroethyl vinyl ether	ug/kg	0.23 U	0.2 U	0.22 U	0.22 U
Acetone	ug/kg	17 U	7.9 U	18 U	17 U
Acrylonitrile	ug/kg	0.62 U	0.55 U	0.59 U	0.59 U
Benzene	ug/kg	0.066 U	0.059 U	0.54 J	0.063 U
Bromochloromethane	ug/kg	0.15 U	0.13 U	0.15 U	0.14 U
Bromodichloromethane	ug/kg	0.06 U	0.053 U	0.058 U	0.057 U
Bromoform	ug/kg	0.18 U	0.16 U	0.18 U	0.17 U
Bromomethane	ug/kg	0.42 U	0.38 U	0.41 U	0.4 U
Carbon disulfide	ug/kg	0.11 U	0.1 J	0.097 U	0.095 U
Carbon tetrachloride	ug/kg	0.075 U	0.067 U	0.072 U	0.071 U

**Table 6-3c**  
**Analytical Results of Subsurface Sediment Samples - LWG Data**

Analyte	Location River Mile & Side Depth (cm) Units	LW3-UC07-E	LW3-UC08-B	LW3-UC08-C	LW3-UC08-D
		12.1 West 262 - 298	12.1 West 30 - 135	12.1 West 135 - 203	12.1 West 203 - 273
Chlorobenzene	ug/kg	0.09 U	0.08 U	0.087 U	0.085 U
Chlorodibromomethane	ug/kg	0.15 U	0.14 U	0.15 U	0.15 U
Chloroethane	ug/kg	0.3 U	0.27 U	0.29 U	0.29 U
Chloroform	ug/kg	0.12 U	0.11 U	0.12 U	0.12 U
Chloromethane	ug/kg	0.12 U	0.1 U	0.11 U	0.11 U
cis-1,2-Dichloroethene	ug/kg	0.15 U	0.13 U	0.14 U	0.14 U
cis-1,3-Dichloropropene	ug/kg	0.093 U	0.083 U	0.09 U	0.088 U
Dichlorodifluoromethane	ug/kg	0.089 U	0.079 U	0.085 U	0.084 U
Ethylbenzene	ug/kg	0.077 U	0.48 J	0.074 U	0.073 U
Ethylene dibromide	ug/kg	0.092 U	0.081 U	0.088 U	0.087 U
Isopropylbenzene	ug/kg	0.13 U	0.54 J	0.24 J	0.13 U
Methyl iodide	ug/kg	0.5 U	0.44 U	0.48 U	0.47 U
Methyl isobutyl ketone	ug/kg	0.75 U	0.67 U	0.72 U	0.71 U
Methyl n-butyl ketone	ug/kg	5.3 U	4.7 U	5.1 U	5 U
Methylene bromide	ug/kg	0.11 U	0.093 U	0.11 U	0.1 U
Methylene chloride	ug/kg	3.6 U	3.4 U	2 U	4.2 U
m,p-Xylene	ug/kg	0.17 U	0.15 U	0.16 U	0.16 U
Methyl tert-butyl ether	ug/kg	0.11 U	0.095 U	0.11 U	0.11 U
o-Xylene	ug/kg	0.086 U	0.26 J	0.082 U	0.081 U
Styrene	ug/kg	0.14 U	0.13 U	0.14 U	0.14 U
Tetrachloroethene	ug/kg	0.13 U	0.12 U	0.13 U	0.13 U
Toluene	ug/kg	0.11 U	0.093 U	0.11 U	0.1 U
trans-1,2-Dichloroethene	ug/kg	0.089 U	0.079 U	0.085 U	0.084 U
trans-1,3-Dichloropropene	ug/kg	0.098 U	0.087 U	0.094 U	0.093 U
Trichloroethene	ug/kg	0.13 U	0.11 U	0.12 U	0.12 U
Trichlorofluoromethane	ug/kg	0.53 U	0.47 U	0.51 U	0.5 U
Vinyl chloride	ug/kg	0.21 U	0.19 U	0.21 U	0.2 U
Xylene	ug/kg	0.17 UT	0.26 JT	0.16 UT	0.16 UT

**Table 6-4**  
**Analytical Results of Rinsate Blank Samples**

Analyte	Sample ID Units	DPSC-G908	DPSC-G910	DPSC-C911	DPSC-C920	DPSC-G921	DPSC-G927
<b>PCB Aroclors</b>							
Aroclor 1016	pg/L	1000 U	1000 U	1000 U	1000 U	1000 U	3200 U
Aroclor 1221	pg/L	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
Aroclor 1232	pg/L	1000 U	1000 U	1000 U	3100 U	1000 U	6100 U
Aroclor 1242	pg/L	1000 U	1000 U	1000 U	3300 U	1000 U	3200 U
Aroclor 1248	pg/L	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
Aroclor 1254	pg/L	1000 U	1000 U	1000 U	2000 U	1000 U	1000 U
Aroclor 1260	pg/L	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
Aroclor 1262	pg/L	--	1000 U	1000 U	1000 U	--	--
Aroclor 1268	pg/L	--	1000 U	1000 U	1000 U	--	--
Total Aroclors	pg/L	1000 UT	1000 UT	1000 UT	3300 UT	1000 UT	6100 UT
<b>Butyltins</b>							
Butyltin ion	ug/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Dibutyltin ion	ug/L	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U
Tetrabutyltin	ug/L	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U
Tributyltin ion	ug/L	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Total Butyltins	ug/L	0.038 UT	0.038 UT	0.038 UT	0.038 UT	0.038 UT	0.038 UT
<b>Dioxin/Furan Homologs</b>							
Heptachlorodibenzofuran homologs	pg/L	--	0.215 U	0.16 U	0.189 U	--	4.53 J
Heptachlorodibenzo-p-dioxin homologs	pg/L	--	2.66 J	3.33 J	3.78 J	--	0.173 U
Hexachlorodibenzofuran homologs	pg/L	--	0.146 U	0.092 U	0.097 U	--	3.05 J
Hexachlorodibenzo-p-dioxin homologs	pg/L	--	0.223 U	0.124 U	0.163 U	--	0.148 U
Octachlorodibenzofuran	pg/L	--	1.52 J	1.35 J	3.98 J	--	3.06 J
Octachlorodibenzo-p-dioxin	pg/L	--	13.1 J	17.6 J	87 J	--	20.8 J
Pentachlorodibenzofuran homologs	pg/L	--	0.124 U	0.076 U	0.086 U	--	0.107 U
Pentachlorodibenzo-p-dioxin homologs	pg/L	--	0.193 U	0.119 U	0.144 U	--	0.11 U
Tetrachlorodibenzofuran homologs	pg/L	--	0.2 U	0.092 U	0.108 U	--	0.439 J
Tetrachlorodibenzo-p-dioxin homologs	pg/L	--	0.288 U	0.163 U	0.131 U	--	0.147 U
Total PCDD/F	pg/L	--	17.3 T	22.3 T	94.8 T	--	31.9 T
<b>Dioxins/Furans</b>							
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	--	0.215 U	0.233 J	0.306 J	--	1.94 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	--	1.72 J	1.28 J	2.43 J	--	1.76 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	--	0.248 U	0.175 U	0.218 U	--	0.806 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	--	0.146 U	0.092 U	0.097 U	--	1.68 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	--	0.223 U	0.124 U	0.163 U	--	0.148 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	--	0.164 U	0.107 U	0.106 U	--	0.944 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	--	0.222 U	0.144 U	0.194 U	--	0.163 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	--	0.184 U	0.093 U	0.098 U	--	0.184 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	--	0.209 U	0.126 U	0.168 U	--	0.145 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/L	--	0.128 U	0.076 U	0.093 U	--	0.485 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	--	0.193 U	0.119 U	0.144 U	--	0.11 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	--	0.158 U	0.102 U	0.106 U	--	0.186 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/L	--	0.124 U	0.076 U	0.086 U	--	0.767 J
2,3,7,8-Tetrachlorodibenzofuran	pg/L	--	0.2 U	0.092 U	0.108 U	--	1.24 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	--	0.288 U	0.163 U	0.294 J	--	0.147 U
Dioxin/furan TCDD toxicity equivalent	pg/L	--	0.0216 T	0.0208 T	0.349 T	--	0.559 T
Total Dioxin/Furans	pg/L	--	1.72 T	1.513 T	3.03 T	--	8.382 T

**Table 6-4**  
**Analytical Results of Rinsate Blank Samples**

Analyte	Sample ID Units	DPSC-G908	DPSC-G910	DPSC-C911	DPSC-C920	DPSC-G921	DPSC-G927
<b>Metals</b>							
Aluminum	mg/L	0.0027 T	0.0725 T	0.0031 T	0.0014	0.0132	0.0036
Antimony	mg/L	0.00002 UT	0.00002 UT	0.00002 UT	0.00002 U	0.00002 U	0.00002 U
Arsenic	mg/L	0.00007 UT	0.00007 UT	0.00007 UT	0.00007 U	0.00007 U	0.00007 U
Cadmium	mg/L	0.000008 UT	0.000008 UT	0.000008 UT	0.000008 U	0.000008 U	0.000008 U
Chromium	mg/L	0.00038 T	0.0143 T	0.00015 T	0.00042	0.00095	0.00036
Copper	mg/L	0.00032 T	0.00193 T	0.00011 T	0.00046	0.00029	0.00008
Lead	mg/L	0.000003 UT	0.000133 T	0.000038 T	0.000023	0.000003 U	0.000003 U
Mercury	mg/L	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 UT
Nickel	mg/L	0.00011 T	0.00213 T	0.00007 UT	0.00007 U	0.00051	0.00007 U
Selenium	mg/L	0.0002 UT	0.0002 UT	0.0002 UT	0.0002 U	0.0002 U	0.0002 U
Silver	mg/L	0.000009 T	0.000003 UT	0.000003 UT	0.000013	0.000003 U	0.000005
Zinc	mg/L	0.00137 T	0.0029 T	0.00172 T	0.00041	0.00191	0.00086
<b>PAHs</b>							
C1 - Dibenzothiophenes	ug/L	0.21 U	0.21 U	0.02 U	0.02 U	0.21 U	0.21 U
C1-Chrysene	ug/L	0.25 U	0.25 U	0.02 U	0.02 U	0.25 U	0.25 U
C1-Fluoranthene/pyrene	ug/L	0.61 U	0.61 U	0.02 U	0.02 U	0.61 U	0.61 U
C1-Fluorene	ug/L	0.5 U	0.5 U	0.02 U	0.02 U	0.5 U	0.5 U
C1-Phenanthrene/anthracene	ug/L	0.75 U	0.75 U	0.02 U	0.02 U	0.75 U	0.75 U
C2 - Dibenzothiophenes	ug/L	0.21 U	0.21 U	0.02 U	0.02 U	0.21 U	0.21 U
C2-Chrysene	ug/L	0.25 U	0.25 U	0.02 U	0.02 U	0.25 U	0.25 U
C2-Fluoranthene/pyrene	ug/L	0.61 U	0.61 U	0.02 U	0.02 U	0.61 U	0.61 U
C2-Fluorene	ug/L	0.5 U	0.5 U	0.02 U	0.02 U	0.5 U	0.5 U
C2-Naphthalene	ug/L	0.37 U	0.37 U	0.02 U	0.02 U	0.37 U	0.37 U
C2-Phenanthrene/anthracene	ug/L	0.75 U	0.75 U	0.02 U	0.02 U	0.75 U	0.75 U
C3 - Dibenzothiophenes	ug/L	0.21 U	0.21 U	0.02 U	0.02 U	0.21 U	0.21 U
C3-Chrysene	ug/L	0.25 U	0.25 U	0.02 U	0.02 U	0.25 U	0.25 U
C3-Fluoranthene/pyrene	ug/L	0.61 U	0.61 U	0.02 U	0.02 U	0.61 U	0.61 U
C3-Fluorene	ug/L	0.5 U	0.5 U	0.02 U	0.02 U	0.5 U	0.5 U
C3-Naphthalene	ug/L	0.37 U	0.37 U	0.02 U	0.02 U	0.37 U	0.37 U
C3-Phenanthrene/anthracene	ug/L	0.75 U	0.75 U	0.02 U	0.02 U	0.75 U	0.75 U
C4-Chrysene	ug/L	0.25 U	0.25 U	0.02 U	0.02 U	0.25 U	0.25 U
C4-Naphthalene	ug/L	0.37 U	0.37 U	0.02 U	0.02 U	0.37 U	0.37 U
C4-Phenanthrene/anthracene	ug/L	0.75 U	0.75 U	0.02 U	0.02 U	0.75 U	0.75 U
1-Methylnaphthalene	ug/L	0.31 U	0.31 U	0.0035 U	0.0035 U	0.31 U	0.31 U
2-Methylnaphthalene	ug/L	0.026 U	0.39 U	0.0028 J	0.0061 J	0.39 U	0.39 U
Acenaphthene	ug/L	0.23 U	0.026 U	0.0044 U	0.0044 U	0.23 U	0.23 U
Acenaphthylene	ug/L	0.015 U	0.24 U	0.0034 U	0.0034 U	0.24 U	0.015 U
Anthracene	ug/L	0.47 U	0.024 U	0.0036 U	0.0036 U	0.47 U	0.024 U
Benzo(a)anthracene	ug/L	0.018 U	0.018 U	0.0026 U	0.0026 U	0.48 U	0.48 U
Benzo(a)pyrene	ug/L	0.031 U	0.031 U	0.0043 U	0.0043 U	0.14 U	0.031 U
Benzo(b)fluoranthene	ug/L	0.017 U	0.25 U	0.0023 U	0.0023 U	0.25 U	0.017 U
Benzo(e)pyrene	ug/L	0.18 U	0.18 U	0.004 U	0.004 U	0.18 U	0.18 U
Benzo(g,h,i)perylene	ug/L	0.019 U	0.64 U	0.0029 U	0.0029 U	0.64 U	0.64 U
Benzo(k)fluoranthene	ug/L	0.024 U	0.15 U	0.0025 U	0.0025 U	0.15 U	0.15 U
Chrysene	ug/L	0.028 U	0.028 U	0.0034 U	0.0034 U	0.25 U	0.25 U
Dibenzo(a,h)anthracene	ug/L	0.28 U	0.017 U	0.0025 U	0.0025 U	0.28 U	0.017 U



**Table 6-4**  
**Analytical Results of Rinsate Blank Samples**

Analyte	Sample ID Units	DPSC-G908	DPSC-G910	DPSC-C911	DPSC-C920	DPSC-G921	DPSC-G927
Dibenzothiophene	ug/L	0.21 U	0.21 U	0.0038 U	0.0038 U	0.21 U	0.21 U
Fluoranthene	ug/L	0.02 U	0.61 U	0.0044 U	0.0044 U	0.61 U	0.61 U
Fluorene	ug/L	0.5 U	0.027 U	0.0038 U	0.0038 U	0.5 U	0.027 U
Indeno(1,2,3-cd)pyrene	ug/L	0.16 U	0.16 U	0.0026 U	0.0026 U	0.16 U	0.021 U
Naphthalene	ug/L	0.022 U	0.022 U	0.013 J	0.028	0.37 U	0.022 U
Perylene	ug/L	0.32 U	0.32 U	0.005 U	0.005 U	0.32 U	0.32 U
Phenanthrene	ug/L	0.75 U	0.75 U	0.0054 J	0.005 U	0.75 U	0.022 U
Pyrene	ug/L	0.019 U	0.019 U	0.0035 U	0.0035 U	0.37 U	0.019 U
Total HPAH	ug/L	0.28 UT	0.64 UT	0.0044 UT	0.0044 UT	0.64 UT	0.64 UT
Total LPAH	ug/L	0.75 UT	0.75 UT	0.0424 T	0.0341 T	0.75 UT	0.39 UT
Total PAHs	ug/L	0.75 UT	0.75 UT	0.0424 T	0.0341 T	0.75 UT	0.64 UT
<b>Pesticides</b>							
2,4'-DDD	ug/L	0.000068 U	0.000068 U	0.000068 U	0.000068 U	0.000068 U	0.000068 U
2,4'-DDE	ug/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
2,4'-DDT	ug/L	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
4,4'-DDD	ug/L	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
4,4'-DDE	ug/L	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U
4,4'-DDT	ug/L	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
Total DDD	ug/L	0.00021 UT	0.00021 UT	0.00021 UT	0.00021 UT	0.00021 UT	0.00021 UT
Total DDE	ug/L	0.00019 UT	0.00019 UT	0.00019 UT	0.00019 UT	0.00019 UT	0.00019 UT
Total DDT	ug/L	0.00017 UT	0.00017 UT	0.00017 UT	0.00017 UT	0.00017 UT	0.00017 UT
Total DDx	ug/L	0.0002 UT	0.0002 UT	0.0002 UT	0.0002 UT	0.0002 UT	0.0002 UT
Aldrin	ug/L	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
alpha-Endosulfan	ug/L	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
alpha-Hexachlorocyclohexane	ug/L	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
beta-Endosulfan	ug/L	0.00035 U	0.00035 U	0.00035 U	0.00035 U	0.00035 U	0.00035 U
beta-Hexachlorocyclohexane	ug/L	0.00041 U	0.00041 U	0.00041 U	0.00041 U	0.00041 U	0.00041 U
cis-Chlordane	ug/L	0.00027 U	0.00027 U	0.00027 U	0.00027 U	0.00027 U	0.00027 U
cis-Nonachlor	ug/L	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U
delta-Hexachlorocyclohexane	ug/L	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U
Dieldrin	ug/L	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
Endosulfan sulfate	ug/L	0.00028 U	0.00028 U	0.00028 U	0.00028 U	0.00028 U	0.00028 U
Endrin	ug/L	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U
Endrin aldehyde	ug/L	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
Endrin ketone	ug/L	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U
gamma-Chlordane	ug/L	0.00031 U	0.00031 U	0.00031 U	0.00031 U	0.00031 U	0.00031 U
gamma-Hexachlorocyclohexane	ug/L	0.00047 U	0.00047 U	0.00047 U	0.00047 U	0.00047 U	0.00047 U
Heptachlor	ug/L	0.00018 U	0.00021 U	0.0005 U	0.00034 U	0.00018 U	0.00018 U
Heptachlor epoxide	ug/L	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
Methoxychlor	ug/L	0.00028 U	0.00028 U	0.00028 U	0.00028 U	0.00028 U	0.00028 U
Mirex	ug/L	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U
Oxychlordane	ug/L	0.000069 U	0.000069 U	0.000069 U	0.000069 U	0.000069 U	0.000069 U
Toxaphene	ug/L	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U
trans-Nonachlor	ug/L	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
<b>Petroleum</b>							
Diesel Range Hydrocarbons	ug/L	12 U	11 U	11 J	11 U	11 U	11 U
Residual Range Hydrocarbons	ug/L	20 U	19 U	19 U	19 U	19 U	19 U

**Table 6-4**  
**Analytical Results of Rinsate Blank Samples**

Analyte	Sample ID Units	DPSC-G908	DPSC-G910	DPSC-C911	DPSC-C920	DPSC-G921	DPSC-G927
<b>Phenols</b>							
2,3,4,5-Tetrachlorophenol	ug/L	0.22 U	--	0.22 U	0.22 U	0.22 U	0.22 U
2,3,4,6-Tetrachlorophenol	ug/L	--	0.038 U	--	--	--	0.038 U
2,3,5,6-Tetrachlorophenol	ug/L	0.076 U	--	0.076 U	0.076 U	0.076 U	0.076 U
2,4,5-Trichlorophenol	ug/L	--	0.031 U	1.3 U	1.3 U	1.3 U	1.3 U
2,4,6-Trichlorophenol	ug/L	--	0.058 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	ug/L	--	0.047 U	0.047 U	0.047 U	0.047 U	0.047 UJ
2,4-Dimethylphenol	ug/L	--	--	2.2 U	2.2 U	2.2 U	2.2 UJ
2,4-Dinitrophenol	ug/L	--	0.17 U	0.17 U	0.17 U	0.17 U	0.17 UJ
2-Chlorophenol	ug/L	--	0.054 U	0.054 U	0.054 U	0.054 U	0.054 UJ
2-Methylphenol	ug/L	--	0.11 U	0.11 U	0.11 U	0.11 U	0.11 UJ
2-Nitrophenol	ug/L	--	0.063 U	0.063 U	0.063 U	0.063 U	0.063 UJ
4,6-Dinitro-2-methylphenol	ug/L	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ
4-Chloro-3-methylphenol	ug/L	--	0.037 U	0.037 U	0.037 U	0.037 U	0.037 UJ
4-Methylphenol	ug/L	--	0.12 U	0.12 U	0.12 U	0.12 U	0.12 UJ
4-Nitrophenol	ug/L	--	0.28 U	0.28 U	0.28 U	0.28 U	0.28 UJ
Pentachlorophenol	ug/L	0.08 U	0.34 U	0.34 U	0.34 U	0.08 U	0.08 U
Phenol	ug/L	--	0.063 U	0.063 U	0.063 U	0.063 U	0.063 UJ
<b>Phthalates</b>							
Bis(2-ethylhexyl) phthalate	ug/L	0.13 U	0.13 U	0.13 U	0.14 J	0.13 U	0.13 U
Butylbenzyl phthalate	ug/L	0.018 U	0.018 U	0.018 U	0.018 U	0.043 J	0.018 U
Dibutyl phthalate	ug/L	0.057 J	0.068 U	0.057 J	0.044 J	0.13 J	0.11 J
Diethyl phthalate	ug/L	0.022 J	0.024 J	0.019 J	0.012 U	0.041 J	0.028 J
Dimethyl phthalate	ug/L	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U
Di-n-octyl phthalate	ug/L	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
<b>SVOCs</b>							
1,2,4-Trichlorobenzene	ug/L	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
1,2-Dichlorobenzene	ug/L	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
1,3-Dichlorobenzene	ug/L	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U
1,4-Dichlorobenzene	ug/L	0.029 U	0.029 U	0.029 U	0.042 J	0.032 J	0.048 J
2,4-Dinitrotoluene	ug/L	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
2,6-Dinitrotoluene	ug/L	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
2-Chloronaphthalene	ug/L	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U
2-Nitroaniline	ug/L	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
3,3'-Dichlorobenzidine	ug/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
3-Nitroaniline	ug/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
4-Bromophenyl phenyl ether	ug/L	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U
4-Chloroaniline	ug/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
4-Chlorophenyl phenyl ether	ug/L	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U
4-Nitroaniline	ug/L	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
Aniline	ug/L	--	0.043 U	0.043 U	0.043 U	--	--
Azobenzene	ug/L	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U
Benzoic acid	ug/L	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
Benzyl alcohol	ug/L	0.13 J	0.13 J	0.073 U	0.2 J	0.3 J	0.15 J
Bis(2-chloroethoxy) methane	ug/L	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
Bis(2-chloroethyl) ether	ug/L	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
Bis(2-chloroisopropyl) ether	ug/L	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U

**Table 6-4**  
**Analytical Results of Rinsate Blank Samples**

Analyte	Sample ID Units	DPSC-G908	DPSC-G910	DPSC-C911	DPSC-C920	DPSC-G921	DPSC-G927
Carbazole	ug/L	--	--	0.018 U	0.018 U	0.018 U	--
Dibenzofuran	ug/L	0.59 U	0.018 U	0.0046 U	0.0046 U	0.59 U	0.59 U
Hexachlorobenzene	ug/L	0.00027 U	0.022 U	0.00027 U	0.022 U	0.022 U	0.00027 U
Hexachlorobutadiene	ug/L	0.027 U	0.027 U	0.000095 U	0.027 U	0.000095 U	0.000095 U
Hexachlorocyclopentadiene	ug/L	--	--	0.19 U	0.19 U	0.19 U	--
Hexachloroethane	ug/L	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
Isophorone	ug/L	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
Nitrobenzene	ug/L	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U
N-Nitrosodimethylamine	ug/L	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
N-Nitrosodiphenylamine	ug/L	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U
N-Nitrosodipropylamine	ug/L	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U

**Table 6-5**  
**Analytical Results of Investigation Derived Waste Samples**

Analyte	Sample ID Units	IDW-BEN	IDW-COMP
<b>Conventionals</b>			
Flash Point	deg C	>110 T	>110
Total solids	percent	68.8	70.3 T
<b>Metals</b>			
Arsenic	mg/L	0.02 UT	0.02 U
Barium	mg/L	0.9 T	0.8 U
Cadmium	mg/L	0.361 T	0.002 U
Chromium	mg/L	0.047 T	0.003 U
Lead	mg/L	1.13 T	0.02 U
Mercury	mg/L	0.0002 UT	0.0002 U
Selenium	mg/L	0.03 UT	0.03 U
Silver	mg/L	0.008 UT	0.008 U
<b>VOCs</b>			
1,1,1,2-Tetrachloroethane	ug/kg	0.15 U	0.076 U
1,1,1-Trichloroethane	ug/kg	0.13 U	0.066 U
1,1,2,2-Tetrachloroethane	ug/kg	0.21 U	0.11 U
1,1,2-Trichloroethane	ug/kg	0.21 U	0.11 U
1,1-Dichloroethane	ug/kg	0.13 U	0.068 U
1,1-Dichloroethene	ug/kg	0.11 U	0.057 U
1,2,3-Trichloropropane	ug/kg	0.56 U	0.29 U
1,2-Dichloroethane	ug/kg	0.11 U	0.057 U
1,2-Dichloropropane	ug/kg	0.18 U	0.094 U
1,4-Dichlorobenzene	ug/kg	0.19 U	0.1 U
1,4-Dichloro-trans-2-butene	ug/kg	0.78 U	0.41 U
2-Chloroethyl vinyl ether	ug/kg	0.59 U	0.31 U
Acetone	ug/kg	4700	10
Acrolein	ug/kg	3.3 U	1.7 U
Acrylonitrile	ug/kg	0.88 U	0.46 U
Benzene	ug/kg	0.15 U	0.079 U
Bromochloromethane	ug/kg	0.35 U	0.18 U
Bromodichloromethane	ug/kg	0.21 U	0.11 U
Bromoform	ug/kg	0.37 U	0.19 U
Bromomethane	ug/kg	0.97 U	0.51 U
Carbon disulfide	ug/kg	0.89 J	0.057 U
Carbon tetrachloride	ug/kg	0.14 U	0.072 U
Chlorobenzene	ug/kg	0.097 U	0.051 U
Chlorodibromomethane	ug/kg	0.19 U	0.096 U
Chloroethane	ug/kg	0.46 U	0.24 U
Chloroform	ug/kg	0.12 U	0.063 U
Chloromethane	ug/kg	0.21 U	0.11 U
cis-1,2-Dichloroethene	ug/kg	0.19 U	0.1 U
cis-1,3-Dichloropropene	ug/kg	0.11 U	0.056 U
Dichlorodifluoromethane	ug/kg	0.13 U	0.066 U
Ethylbenzene	ug/kg	0.13 U	0.065 U
Ethylene dibromide	ug/kg	0.18 U	0.093 U
Isopropylbenzene	ug/kg	0.095 U	0.05 U
m,p-Xylene	ug/kg	0.4 J	0.15 U

Table 6-5

## Analytical Results of Investigation Derived Waste Samples

Analyte	Sample ID Units	IDW-BEN	IDW-COMP
Methyl iodide	ug/kg	0.67 U	0.35 U
Methyl isobutyl ketone	ug/kg	1900 J	0.22 U
Methyl n-butyl ketone	ug/kg	1.2 U	0.59 U
Methyl tert-butyl ether	ug/kg	0.13 U	0.064 U
Methylene bromide	ug/kg	0.29 U	0.15 U
Methylene chloride	ug/kg	2 J	0.4 J
Methylethyl ketone	ug/kg	13 J	1.1 U
Naphthalene	ug/kg	0.57 U	0.47 U
o-Xylene	ug/kg	0.11 U	0.057 U
Styrene	ug/kg	0.13 U	0.067 U
Tetrachloroethene	ug/kg	0.15 U	0.076 U
Toluene	ug/kg	7.2	0.13 U
trans-1,2-Dichloroethene	ug/kg	0.16 U	0.084 U
trans-1,3-Dichloropropene	ug/kg	0.18 U	0.093 U
Trichloroethene	ug/kg	0.14 U	0.28 J
Trichlorofluoromethane	ug/kg	0.21 U	0.11 U
Vinyl acetate	ug/kg	1.9 U	0.95 U
Vinyl chloride	ug/kg	0.18 U	0.094 U

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	91	0	0			2.03	0.5	0.65	1.75	2.65
Aroclor 1221	ug/kg	91	0	0			0.89	0.5	0.55	1.55	3.25
Aroclor 1232	ug/kg	91	0	0			2.33	0.5	0.65	1.75	4.35
Aroclor 1242	ug/kg	91	11	12	5.4	220	7.25	0.55	2.1	7.5	27
Aroclor 1248	ug/kg	91	0	0			0.74	0.5	0.55	1.05	1.55
Aroclor 1254	ug/kg	91	47	52	1.3	1600	41.50	3.8	21	60	100
Aroclor 1260	ug/kg	91	59	65	2.2	2600	44.62	6	19	36	80
Aroclor 1262	ug/kg	91	0	0			0.72	0.5	0.5	0.75	1.3
Aroclor 1268	ug/kg	91	5	5	2.6	37	1.44	0.5	0.55	1.55	5
Total Aroclors	ug/kg	91	65	71	1.3	4200	91.4	13.2	46	134	171
<b>Butyltins</b>											
Butyltin ion	ug/kg	81	37	46	0.33	81.1	2.09	0.085	1.3	3.5	5.6
Dibutyltin ion	ug/kg	81	41	51	0.375	1300.9	17.90	0.375	1.4	5.7	10
Tetrabutyltin	ug/kg	81	1	1	39	39	0.54	0.055	0.065	0.07	0.08
Tributyltin ion	ug/kg	81	30	37	0.66	1700.335	23.78	0.055	0.93	4.2	28
Total Butyltins	ug/kg	81	46	57	0.375	3121	44.2	0.8	4.43	12.2	41.4
<b>Conventionals</b>											
Ammonia	mg/kg	5	5	100	5.2	54.6	31.48	8.9	54.2	54.2	54.6
Specific Gravity	NA	7	7	100	1.38	1.71	1.56	1.58	1.59	1.61	1.71
Sulfide	mg/kg	5	3	60	0.6	1.4	0.70	0.1	1.3	1.3	1.4
Total organic carbon	percent	92	92	100	0.08	13.1	1.17	0.85	1.4	2.06	2.55
Total solids	percent	91	91	100	30.8	94.2	66.7	64.8	74.7	88	91.6
<b>Dioxin/Furan Homologs</b>											
Heptachlorodibenzofuran homologs	pg/g	48	44	92	0.484	779	53.90	13.4	44.9	114	200
Heptachlorodibenzo-p-dioxin homologs	pg/g	48	45	94	1.73	1830	127.90	33.141	105	211	411.5
Hexachlorodibenzofuran homologs	pg/g	48	44	92	0.0977	246	24.00	6.55	20.3	48.2	97.8
Hexachlorodibenzo-p-dioxin homologs	pg/g	48	45	94	0.0828	86.7	12.25	5.11	16	27.7	51.6
Octachlorodibenzofuran	pg/g	48	40	83	0.874	2210	81.43	11.4	46.6	112	180
Octachlorodibenzo-p-dioxin	pg/g	48	43	90	7.04	10400	733.65	186	669	1410	2710
Pentachlorodibenzofuran homologs	pg/g	48	43	90	0.0356	132	12.82	3.372	15.3	37.8	49.7
Pentachlorodibenzo-p-dioxin homologs	pg/g	48	35	73	0.041	7.64	1.24	0.417	1.61	3.89	5.25
Tetrachlorodibenzofuran homologs	pg/g	48	37	77	0.047	95.2	5.41	1.09	4.35	11.7	17.9
Tetrachlorodibenzo-p-dioxin homologs	pg/g	48	31	65	0.0766	4.23	0.90	0.303	1.15	2.86	3.945
Total PCDD/F	pg/g	48	45	94	4.49	15400	1053	296	966	1997	3642
<b>Dioxins/Furans</b>											
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	48	21	44	0.0483	0.474	0.10	0.03645	0.157	0.283	0.37
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	48	32	67	0.033	2.02	0.30	0.176	0.462	0.678	0.877
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	48	35	73	0.017	3.35	0.46	0.188	0.642	0.999	1.45
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	48	42	88	0.092	28.4	2.67	0.977	2.9	4.36	11
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	48	37	77	0.055	6.5	1.11	0.569	1.5	2.74	3.21
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	48	43	90	0.842	1040	70.22	18.7	55.2	113	215
2,3,7,8-Tetrachlorodibenzofuran	pg/g	48	20	42	0.094	8.58	0.46	0.1245	0.428	0.943	1.02
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	48	27	56	0.022	2.8	0.28	0.108	0.353	0.707	0.951
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	48	34	71	0.0608	9.25	0.56	0.217	0.538	1.06	1.74
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	48	38	79	0.0329	13.7	1.67	0.577	1.85	3.25	9.54
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	48	36	75	0.049	10.2	0.85	0.295	0.896	1.695	3.19

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	48	14	29	0.0381	0.471	0.07	0.0278	0.106	0.166	0.285
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	48	35	73	0.058	35.4	1.69	0.464	1.48	2.46	5.46
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	48	42	88	0.163	121	12.91	3.6	12.5	29	52.6
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	48	33	69	0.0764	9.06	0.94	0.258	1.14	2.165	4.01
Dioxin/furan TCDD toxicity equivalent	pg/g	48	45	94	0.011	19.2	2.54	0.938	3.01	6.39	9.95
<b>Grainsize</b>											
Medium gravel	percent	92	92	100	0	79.9	23.93	10.545	47.9	65.7	67.8
Fine gravel	percent	92	92	100	0	27.9	5.93	2.43	8.81	16.6	20.7
Very coarse sand	percent	92	92	100	0.05	28.5	4.29	2.855	5.78	9.09	11.9
Coarse sand	percent	92	92	100	0.15	38.5	7.26	5.35	10.0525	15.1	20.7
Medium sand	percent	92	92	100	0.98	56	12.98	11.1	16.6	24.2	32.9
Fine sand	percent	92	92	100	1.27	58.7	18.75	16.1	26.25	42.9	48.875
Very fine sand	percent	92	92	100	0.14	41.9	11.86	7.23	19.8	30.5	33.75
Coarse silt	percent	92	92	100	0.07	43.5	6.93	2.63	9.64	18.6	22.4
Medium silt	percent	92	92	100	0	15.7	3.76	2.25	5.75	8.83	12.2
Fine silt	percent	92	92	100	0	16.4	2.50	1.34	3.48	5.58	9.305
Very fine silt	percent	92	92	100	0.03	8.61	1.66	1.07	2.51	3.26	3.99
8-9 Phi clay	percent	92	92	100	0	5.78	1.16	0.8	1.61	2.57	2.91
>9 Phi clay	percent	92	92	100	0	14.6	1.83	0.92	2.4	3.95	5.04
Fines	percent	13	13	100	3.95	57	18.51	16	25	29	29
<b>Metals</b>											
Aluminum	mg/kg	91	91	100	5340	32200	15185.38	14300	20400	25600	27000
Antimony	mg/kg	91	87	96	0.07	7.37	0.42	0.18	0.33	0.63	0.92
Arsenic	mg/kg	91	91	100	1.19	126	4.75	2.89	3.53	4.54	5.4
Cadmium	mg/kg	91	91	100	0.03	1.7	0.26	0.2005	0.281	0.51	0.684
Chromium	mg/kg	91	91	100	4.51	47.6	19.26	18.7	22.1	29.5	34.9
Copper	mg/kg	91	91	100	9.52	264	32.61	24.35	33.1	46.9	70.5
Lead	mg/kg	91	91	100	2.93	428	48.28	23.2	55	102	130
Manganese	mg/kg	3	3	100	394	482	451.67	479	479	482	482
Mercury	mg/kg	91	91	100	0.007	4.06	0.14	0.047	0.078	0.297	0.431
Nickel	mg/kg	91	91	100	8.07	39.1	17.74	18.2	20.1	23.3	25.35
Selenium	mg/kg	88	74	84	0.02	0.21	0.07	0.06	0.095	0.13	0.175
Silver	mg/kg	91	84	92	0.022	4.85	0.33	0.137	0.308	0.62	1.01
Thallium	mg/kg	3	3	100	0.07	0.081	0.08	0.078	0.078	0.081	0.081
Zinc	mg/kg	91	91	100	29.9	858	102.50	75.4	103	172	198
<b>PAHs</b>											
C1-Dibenzothiophene	ug/kg	84	55	65	0.76	870	25.94	2.5	14	40.5	78
C1-Chrysene	ug/kg	84	76	90	0.45	1300	59.77	23	44	100	170
C1-Fluoranthene/pyrene	ug/kg	84	76	90	1.4	3400	99.51	22	49	120	230
C1-Fluorene	ug/kg	84	63	75	0.58	640	17.59	2	6.6	22	70
C1-Phenanthrene/anthracene	ug/kg	84	75	89	0.99	3000	93.06	12	35	150	340
C2-Dibenzothiophene	ug/kg	84	56	67	1.2	970	28.92	4.75	14	49	81
C2-Chrysene	ug/kg	84	73	87	1.6	770	54.85	21	60.5	110	190
C2-Fluoranthene/pyrene	ug/kg	84	74	88	1.6	1400	53.65	20	42	100	140
C2-Fluorene	ug/kg	84	71	85	0.5	1100	32.88	4.7	13	46	85
C2-Naphthalene	ug/kg	84	75	89	0.44	1200	44.00	4.6	19	53	200
C2-Phenanthrene/anthracene	ug/kg	84	76	90	0.78	2500	78.35	19	45	130	280

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
C3-Dibenzothiophene	ug/kg	84	50	60	1.3	660	25.70	4.9	17	52	120
C3-Chrysene	ug/kg	84	70	83	2.1	540	50.98	21	65	110	150
C3-Fluoranthene/pyrene	ug/kg	84	63	75	1.8	900	42.55	16	40	80	130
C3-Fluorene	ug/kg	84	58	69	1.4	1900	47.48	6.3	20	57	90
C3-Naphthalene	ug/kg	84	75	89	0.46	1400	60.01	4	20	96	350
C3-Phenanthrene/anthracene	ug/kg	84	74	88	1.6	1900	65.16	18	51	120	230
C4-Chrysene	ug/kg	84	52	62	4	320	26.07	9.4	36	58	85
C4-Naphthalene	ug/kg	84	68	81	0.48	1500	52.77	5.2	21	65	190
C4-Phenanthrene/anthracene	ug/kg	84	64	76	1.4	1100	39.82	9.7	27	77	140
1-Methylnaphthalene	ug/kg	84	68	81	0.39	610	13.34	1.4	4	11	31
2-Methylnaphthalene	ug/kg	91	74	81	0.41	990	19.24	2.6	6.6	20	47
Acenaphthene	ug/kg	91	73	80	0.27	1900	34.99	1.5	7.7	25	48
Acenaphthylene	ug/kg	91	74	81	0.24	720	21.76	1.5	4.3	15	37
Anthracene	ug/kg	91	71	78	0.55	1200	31.67	3.1	12.5	36	65
Benzo(a)anthracene	ug/kg	91	82	90	0.72	2100	77.78	14	40	110	130
Benzo(a)pyrene	ug/kg	91	83	91	0.17	2800	104.43	16	39	124	180
Benzo(b)fluoranthene	ug/kg	91	82	90	0.33	2400	105.10	21	46	140	210
Benzo(e)pyrene	ug/kg	84	79	94	0.3	1700	72.69	15.5	32	86	260
Benzo(g,h,i)perylene	ug/kg	91	80	88	0.79	2500	87.01	17	39	92.5	170
Benzo(k)fluoranthene	ug/kg	91	81	89	0.16	710	35.47	7.4	19	52	98
Chrysene	ug/kg	91	83	91	0.25	2200	93.54	19	42	120	220
Dibenzo(a,h)anthracene	ug/kg	91	73	80	0.3	230	12.11	3.1	7.6	19	34
Dibenzothiophene	ug/kg	84	58	69	0.39	650	16.79	1	4.4	19	49
Fluoranthene	ug/kg	91	84	92	0.62	6400	235.43	33	77	250	540
Fluorene	ug/kg	91	68	75	0.53	990	22.63	2	8.55	22	47
Indeno(1,2,3-cd)pyrene	ug/kg	91	83	91	0.22	2300	81.91	15	35	99	150
Naphthalene	ug/kg	91	86	95	0.57	5300	116.41	6.1	16	58	130
Perylene	ug/kg	84	80	95	0.34	740	36.29	14	24	46	71
Phenanthrene	ug/kg	91	80	88	0.95	3900	155.08	16	60	250	460
Pyrene	ug/kg	91	84	92	0.58	7900	280.73	34	91	310	680
Total C1-PAHs	ug/kg	78	70	90	1.85	9210	270.02	62.9	163.5	401	779
Total C2-PAHs	ug/kg	78	70	90	1.57	7940	280.95	82.2	181.8	512.1	644
Total C3-PAHs	ug/kg	78	70	90	0.48	7300	282.27	82.3	183.9	419	803.7
Total C4-PAHs	ug/kg	78	67	86	0.6	2810	115.18	31.7	92	219	357
Total HPAHs	ug/kg	91	85	93	1.7	29000	1114	175	418	1320	2200
Total LPAHs	ug/kg	91	87	96	0.57	14370	402	40.5	145	497	841
Total PAHs	ug/kg	91	89	98	0.57	40310	1516	214	553	1671	4476
<b>PCB Congeners</b>											
PCB001	pg/g	3	2	67	9.26	633	216.15	9.26	9.26	633	633
PCB002	pg/g	3	2	67	9.61	44.4	20.07	9.61	9.61	44.4	44.4
PCB003	pg/g	3	2	67	10.9	164	60.37	10.9	10.9	164	164
PCB004 & 010	pg/g	3	2	67	35.3	14500	4849.25	35.3	35.3	14500	14500
PCB005 & 008	pg/g	3	2	67	86.7	3640	1246.38	86.7	86.7	3640	3640
PCB006	pg/g	3	2	67	21.5	799	277.65	21.5	21.5	799	799
PCB007 & 009	pg/g	3	2	67	10.8	400	141.08	12.45	12.45	400	400
PCB011	pg/g	3	2	67	71.7	94.1	63.60	71.7	71.7	94.1	94.1
PCB012 & 013	pg/g	3	2	67	16.1	295	107.85	16.1	16.1	295	295



**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
PCB014	pg/g	3	0	0			14.06	12.45	12.45	25	25
PCB015	pg/g	3	3	100	52.8	1240	454.33	70.2	70.2	1240	1240
PCB016 & 032	pg/g	3	3	100	48.4	14100	4841.47	376	376	14100	14100
PCB017	pg/g	3	3	100	31.3	23300	7806.97	89.6	89.6	23300	23300
PCB018	pg/g	3	3	100	56.9	4630	1615.97	161	161	4630	4630
PCB019	pg/g	3	2	67	24.3	30700	10243.50	24.3	24.3	30700	30700
PCB020 & 021 & 033	pg/g	3	3	100	39	2470	897.67	184	184	2470	2470
PCB022	pg/g	3	3	100	29.8	2300	850.93	223	223	2300	2300
PCB023	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB024 & 027	pg/g	3	2	67	19.9	4510	1512.03	19.9	19.9	4510	4510
PCB025	pg/g	3	3	100	24.8	1390	484.07	37.4	37.4	1390	1390
PCB026	pg/g	3	3	100	32	2280	787.77	51.3	51.3	2280	2280
PCB028	pg/g	3	3	100	93.8	6770	2404.27	349	349	6770	6770
PCB029	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB030	pg/g	3	1	33	48.5	48.5	19.02	6.2	6.2	48.5	48.5
PCB031	pg/g	3	3	100	82.6	3870	1395.53	234	234	3870	3870
PCB034	pg/g	3	2	67	5.08	154	55.09	6.2	6.2	154	154
PCB035	pg/g	3	2	67	7.7	33.5	15.80	7.7	7.7	33.5	33.5
PCB036	pg/g	3	1	33	11.5	11.5	6.69	6.2	6.2	11.5	11.5
PCB037	pg/g	3	3	100	29.1	356	160.47	96.3	96.3	356	356
PCB038	pg/g	3	2	67	222	1290	506.07	222	222	1290	1290
PCB039	pg/g	3	1	33	87.5	87.5	32.02	6.2	6.2	87.5	87.5
PCB040	pg/g	3	3	100	19.8	332	136.70	58.3	58.3	332	332
PCB041 & 064 & 071 & 072	pg/g	3	3	100	101	9230	3336.00	677	677	9230	9230
PCB042 & 059	pg/g	3	3	100	35.7	2110	757.23	126	126	2110	2110
PCB043 & 049	pg/g	3	3	100	106	52900	18528.67	2580	2580	52900	52900
PCB044	pg/g	3	3	100	131	5250	1918.33	374	374	5250	5250
PCB045	pg/g	3	3	100	14.6	442	168.00	47.4	47.4	442	442
PCB046	pg/g	3	2	67	69.8	2660	912.00	69.8	69.8	2660	2660
PCB047	pg/g	3	3	100	52.2	84900	30424.07	6320	6320	84900	84900
PCB048 & 075	pg/g	3	3	100	18.7	2550	895.23	117	117	2550	2550
PCB050	pg/g	3	1	33	1460	1460	489.52	6.2	6.2	1460	1460
PCB051	pg/g	3	3	100	13	57900	20341.00	3110	3110	57900	57900
PCB052 & 069	pg/g	3	3	100	154	47000	16071.33	1060	1060	47000	47000
PCB053	pg/g	3	3	100	18.9	51200	17416.30	1030	1030	51200	51200
PCB054	pg/g	3	2	67	196	10200	3467.40	196	196	10200	10200
PCB055	pg/g	3	2	67	80.5	511	199.23	80.5	80.5	511	511
PCB056 & 060	pg/g	3	3	100	45.2	785	370.40	281	281	785	785
PCB057	pg/g	3	2	67	25.4	149	60.20	25.4	25.4	149	149
PCB058	pg/g	3	1	33	24.6	24.6	11.05	6.2	6.2	24.6	24.6
PCB061 & 070	pg/g	3	3	100	103	3470	1388.67	593	593	3470	3470
PCB062	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB063	pg/g	3	2	67	43.4	240	96.53	43.4	43.4	240	240
PCB065	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB066 & 076	pg/g	3	3	100	83.6	3380	1309.53	465	465	3380	3380
PCB067	pg/g	3	2	67	74.2	357	145.80	74.2	74.2	357	357
PCB068	pg/g	3	2	67	58.1	845	303.10	58.1	58.1	845	845

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
PCB073	pg/g	3	2	67	162	3320	1162.73	162	162	3320	3320
PCB074	pg/g	3	3	100	34	756	337.67	223	223	756	756
PCB077	pg/g	3	3	100	12.1	140	71.90	63.6	63.6	140	140
PCB078	pg/g	3	1	33	21.7	21.7	10.09	6.2	6.2	21.7	21.7
PCB079	pg/g	3	2	67	50.5	247	101.23	50.5	50.5	247	247
PCB080	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB081	pg/g	3	2	67	21.7	25.7	16.07	21.7	21.7	25.7	25.7
PCB082	pg/g	3	3	100	41.1	558	256.70	171	171	558	558
PCB083	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB084 & 092	pg/g	3	3	100	121	7600	3450.33	2630	2630	7600	7600
PCB085 & 116	pg/g	3	3	100	57.3	757	347.10	227	227	757	757
PCB086	pg/g	3	1	33	25.2	25.2	11.25	6.2	6.2	25.2	25.2
PCB087 & 117 & 125	pg/g	3	3	100	116	3370	1718.67	1670	1670	3370	3370
PCB088 & 091	pg/g	3	3	100	49.6	21200	7679.87	1790	1790	21200	21200
PCB089	pg/g	3	2	67	16.1	45.6	22.63	16.1	16.1	45.6	45.6
PCB090 & 101	pg/g	3	3	100	344	20100	12214.67	16200	16200	20100	20100
PCB093	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB094	pg/g	3	2	67	448	2210	888.07	448	448	2210	2210
PCB095 & 098 & 102	pg/g	3	3	100	248	24300	11816.00	10900	10900	24300	24300
PCB096	pg/g	3	2	67	294	3380	1226.73	294	294	3380	3380
PCB097	pg/g	3	3	100	96.8	1720	795.27	569	569	1720	1720
PCB099	pg/g	3	3	100	164	9810	3898.00	1720	1720	9810	9810
PCB100	pg/g	3	2	67	1490	10700	4065.40	1490	1490	10700	10700
PCB103	pg/g	3	2	67	498	4170	1558.07	498	498	4170	4170
PCB104	pg/g	3	2	67	91.9	1030	376.03	91.9	91.9	1030	1030
PCB105	pg/g	3	3	100	125	1540	901.67	1040	1040	1540	1540
PCB106 & 118	pg/g	3	3	100	288	5720	3436.00	4300	4300	5720	5720
PCB107 & 109	pg/g	3	3	100	22.6	1110	460.53	249	249	1110	1110
PCB108 & 112	pg/g	3	3	100	14.6	411	168.57	80.1	80.1	411	411
PCB110	pg/g	3	3	100	421	12700	6630.33	6770	6770	12700	12700
PCB111 & 115	pg/g	3	2	67	38.7	165	69.97	38.7	38.7	165	165
PCB113	pg/g	3	2	67	26.3	477	169.83	26.3	26.3	477	477
PCB114	pg/g	3	3	100	6.58	96.9	43.99	28.5	28.5	96.9	96.9
PCB119	pg/g	3	2	67	411	3690	1369.07	411	411	3690	3690
PCB120	pg/g	3	2	67	51	157	71.40	51	51	157	157
PCB121	pg/g	3	2	67	33.3	566	201.83	33.3	33.3	566	566
PCB122	pg/g	3	2	67	17.3	55	26.17	17.3	17.3	55	55
PCB123	pg/g	3	3	100	6.09	69.2	33.36	24.8	24.8	69.2	69.2
PCB124	pg/g	3	3	100	13.9	166	110.30	151	151	166	166
PCB126	pg/g	3	3	100	4.05	42	24.82	28.4	28.4	42	42
PCB127	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB128 & 162	pg/g	3	3	100	67.3	2090	1155.77	1310	1310	2090	2090
PCB129	pg/g	3	3	100	18.4	562	310.13	350	350	562	562
PCB130	pg/g	3	3	100	27.4	1290	785.80	1040	1040	1290	1290
PCB131	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB132 & 161	pg/g	3	3	100	107	10800	5125.67	4470	4470	10800	10800
PCB133 & 142	pg/g	3	2	67	951	2130	1029.07	951	951	2130	2130

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
PCB134 & 143	pg/g	3	3	100	22.4	1770	1014.13	1250	1250	1770	1770
PCB135	pg/g	3	3	100	53.9	6150	3897.97	5490	5490	6150	6150
PCB136	pg/g	3	3	100	49.4	8070	5086.47	7140	7140	8070	8070
PCB137	pg/g	3	3	100	21.9	632	271.63	161	161	632	632
PCB138 & 163 & 164	pg/g	3	3	100	407	43600	20902.33	18700	18700	43600	43600
PCB139 & 149	pg/g	3	3	100	287	43400	22262.33	23100	23100	43400	43400
PCB140	pg/g	3	2	67	78.8	551	212.00	78.8	78.8	551	551
PCB141	pg/g	3	3	100	87.5	13300	5675.83	3640	3640	13300	13300
PCB144	pg/g	3	3	100	16.6	2930	1214.87	698	698	2930	2930
PCB145	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB146 & 165	pg/g	3	3	100	65.9	7290	4595.30	6430	6430	7290	7290
PCB147	pg/g	3	2	67	1850	11000	4285.40	1850	1850	11000	11000
PCB148	pg/g	3	2	67	114	1030	383.40	114	114	1030	1030
PCB150	pg/g	3	2	67	234	1940	726.73	234	234	1940	1940
PCB151	pg/g	3	3	100	90.5	17000	8950.17	9760	9760	17000	17000
PCB152	pg/g	3	2	67	194	647	282.40	194	194	647	647
PCB153	pg/g	3	3	100	414	54300	27738.00	28500	28500	54300	54300
PCB154	pg/g	3	2	67	599	4740	1781.73	599	599	4740	4740
PCB155	pg/g	3	2	67	28	194	76.07	28	28	194	194
PCB156	pg/g	3	3	100	40.8	2640	1263.60	1110	1110	2640	2640
PCB157	pg/g	3	3	100	9.11	207	110.37	115	115	207	207
PCB158 & 160	pg/g	3	3	100	46.2	3900	1785.40	1410	1410	3900	3900
PCB159	pg/g	3	1	33	452	452	153.52	6.2	6.2	452	452
PCB166	pg/g	3	1	33	19	19	9.19	6.2	6.2	19	19
PCB167	pg/g	3	3	100	18.7	947	478.90	471	471	947	947
PCB168	pg/g	3	2	67	75.5	253	111.57	75.5	75.5	253	253
PCB169	pg/g	3	0	0			1.45	1.48	1.48	1.81	1.81
PCB170	pg/g	3	3	100	95.3	25000	11171.77	8420	8420	25000	25000
PCB171	pg/g	3	2	67	2260	6240	2837.32	2260	2260	6240	6240
PCB172	pg/g	3	3	100	16.2	4150	1928.73	1620	1620	4150	4150
PCB173	pg/g	3	2	67	154	581	247.07	154	154	581	581
PCB174	pg/g	3	3	100	116	30600	13288.67	9150	9150	30600	30600
PCB175	pg/g	3	2	67	474	1500	660.07	474	474	1500	1500
PCB176	pg/g	3	3	100	17.2	3970	1869.07	1620	1620	3970	3970
PCB177	pg/g	3	3	100	68.2	16200	8092.73	8010	8010	16200	16200
PCB178	pg/g	3	3	100	28.8	6180	3806.27	5210	5210	6180	6180
PCB179	pg/g	3	3	100	59.6	14100	7506.53	8360	8360	14100	14100
PCB180	pg/g	3	3	100	254	66600	30118.00	23500	23500	66600	66600
PCB181	pg/g	3	2	67	92.3	135	77.83	92.3	92.3	135	135
PCB182 & 187	pg/g	3	3	100	173	37400	21257.67	26200	26200	37400	37400
PCB183	pg/g	3	3	100	75.6	16700	7971.87	7140	7140	16700	16700
PCB184	pg/g	3	2	67	6.11	50.4	20.90	6.2	6.2	50.4	50.4
PCB185	pg/g	3	3	100	14	3340	1428.33	931	931	3340	3340
PCB186	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB188	pg/g	3	2	67	79.3	642	242.50	79.3	79.3	642	642
PCB189	pg/g	3	3	100	3.15	842	415.05	400	400	842	842
PCB190	pg/g	3	3	100	20.8	5450	2516.93	2080	2080	5450	5450

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
PCB191	pg/g	3	2	67	376	1040	474.07	376	376	1040	1040
PCB192	pg/g	3	0	0			7.02	6.2	6.2	12.5	12.5
PCB193	pg/g	3	3	100	12.4	3170	1747.47	2060	2060	3170	3170
PCB194	pg/g	3	3	100	59.3	15000	10019.77	15000	15000	15000	15000
PCB195	pg/g	3	2	67	6570	7100	4560.93	6570	6570	7100	7100
PCB196 & 203	pg/g	3	3	100	82.5	19700	11494.17	14700	14700	19700	19700
PCB197	pg/g	3	2	67	572	598	392.07	572	572	598	598
PCB198	pg/g	3	2	67	552	1270	609.40	552	552	1270	1270
PCB199	pg/g	3	3	100	94.2	17100	10231.40	13500	13500	17100	17100
PCB200	pg/g	3	2	67	1230	2240	1158.73	1230	1230	2240	2240
PCB201	pg/g	3	2	67	1750	1870	1208.73	1750	1750	1870	1870
PCB202	pg/g	3	3	100	16.9	2300	1458.97	2060	2060	2300	2300
PCB204	pg/g	3	1	33	7.92	7.92	5.49	6.2	6.2	7.92	7.92
PCB205	pg/g	3	2	67	634	772	470.73	634	634	772	772
PCB206	pg/g	3	3	100	42.2	4480	2394.07	2660	2660	4480	4480
PCB207	pg/g	3	2	67	349	552	302.40	349	349	552	552
PCB208	pg/g	3	2	67	383	583	324.07	383	383	583	583
PCB209	pg/g	3	3	100	33.3	207	98.90	56.4	56.4	207	207
Total PCB Congeners	pg/g	3	3	100	6830	912000	509276.67	609000	609000	912000	912000
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	3	3	100	0.421	4.51	2.69	3.15	3.15	4.51	4.51
<b>PCB Homologs</b>											
Monochlorobiphenyl homologs	pg/g	3	2	67	29.8	841	292.33	29.8	29.8	841	841
Dichlorobiphenyl homologs	pg/g	3	3	100	147	20900	7119.67	312	312	20900	20900
Trichlorobiphenyl homologs	pg/g	3	3	100	468	98300	33616.00	2080	2080	98300	98300
Tetrachlorobiphenyl homologs	pg/g	3	3	100	943	342000	120281.00	17900	17900	342000	342000
Pentachlorobiphenyl homologs	pg/g	3	3	100	2140	138000	64046.67	52000	52000	138000	138000
Hexachlorobiphenyl homologs	pg/g	3	3	100	1850	223000	121616.67	140000	140000	223000	223000
Heptachlorobiphenyl homologs	pg/g	3	3	100	954	243000	117651.33	109000	109000	243000	243000
Octachlorobiphenyl homologs	pg/g	3	3	100	253	67800	41584.33	56700	56700	67800	67800
Nonachlorobiphenyl homologs	pg/g	3	3	100	42.2	5620	3017.40	3390	3390	5620	5620
<b>Pesticides</b>											
2,4'-DDD	ug/kg	91	37	41	0.067	120	2.13	0.245	1.3	2.5	3.3
2,4'-DDE	ug/kg	91	1	1	0.77	0.77	0.53	0.09	0.16	0.5	0.6
2,4'-DDT	ug/kg	91	55	60	0.045	20	1.75	0.46	1.6	4.1	6.6
4,4'-DDD	ug/kg	91	70	77	0.086	24	1.29	0.56	1.1	2.6	4.5
4,4'-DDE	ug/kg	91	70	77	0.039	7.5	1.20	0.79	1.4	2.85	4.5
4,4'-DDT	ug/kg	88	54	61	0.22	42	2.99	1.2	2.6	6	9.6
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	7	7	100	0.388	8.4	2.49	0.986	1.9	4.5	8.4
Total DDD	ug/kg	91	75	82	0.086	144	3.21	0.72	2.6	4.7	5.7
Total DDE	ug/kg	91	70	77	0.039	8.27	1.54	0.79	1.45	2.9	4.9
Total DDT	ug/kg	91	68	75	0.045	62	4.19	1.4	4.3	9.6	13.2
Total DDx	ug/kg	91	82	90	0.047	144	7.99	3.15	9.2	15.6	19.2
Aldrin	ug/kg	91	18	20	0.0735	0.7	0.12	0.043	0.11	0.26	0.43
alpha-Endosulfan	ug/kg	91	19	21	0.04	0.83	0.14	0.065	0.11	0.38	0.67
alpha-Hexachlorocyclohexane	ug/kg	91	5	5	0.056	0.3	0.05	0.0235	0.036	0.085	0.2
beta-Endosulfan	ug/kg	91	13	14	0.091	1.1	0.20	0.092	0.155	0.405	0.6
beta-Hexachlorocyclohexane	ug/kg	91	8	9	0.094	1.87	0.11	0.027	0.1	0.23	0.35

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
cis-Chlordane	ug/kg	91	20	22	0.055	1.9	0.30	0.041	0.15	0.39	0.82
cis-Nonachlor	ug/kg	91	2	2	0.16	0.54	1.59	0.205	0.55	1	1.6
delta-Hexachlorocyclohexane	ug/kg	91	1	1	0.12	0.12	0.13	0.0185	0.0469	0.1	0.155
Dieldrin	ug/kg	91	11	12	0.042	6.7	0.20	0.051	0.11	0.26	0.35
Endosulfan sulfate	ug/kg	91	3	3	0.11	0.67	0.12	0.085	0.1	0.16	0.33
Endrin	ug/kg	88	4	5	0.051	7.7	0.17	0.025	0.09	0.18	0.38
Endrin aldehyde	ug/kg	91	6	7	0.147	2.1	0.28	0.047	0.125	0.365	0.47
Endrin ketone	ug/kg	91	8	9	0.062	8.5	0.77	0.1	0.195	0.65	0.93
gamma-Hexachlorocyclohexane	ug/kg	91	11	12	0.059	1.4	0.14	0.075	0.1	0.35	0.65
Heptachlor	ug/kg	91	4	4	0.092	0.52	0.06	0.035	0.06	0.1	0.165
Heptachlor epoxide	ug/kg	91	7	8	0.058	68	0.88	0.095	0.125	0.295	0.45
Methoxychlor	ug/kg	91	2	2	0.58	1.2	0.34	0.1	0.2	0.45	0.55
Mirex	ug/kg	91	2	2	0.13	0.23	0.04	0.0245	0.026	0.08	0.1
Oxychlordane	ug/kg	91	6	7	0.11	4.3	0.14	0.044	0.105	0.285	0.37
Total Chlordanes	ug/kg	91	70	77	0.039	15.9	1.24	0.5	1.2	3.38	4.1
Total Endosulfans	ug/kg	87	30	34	0.04	1.1	0.26	0.11	0.33	0.67	0.9
Toxaphene	ug/kg	91	0	0			22.58	9.5	13.5	28	46.5
trans-Chlordane	ug/kg	91	62	68	0.045	15	1.30	0.29	0.86	2.2	3.8
trans-Nonachlor	ug/kg	91	21	23	0.039	1	0.14	0.08	0.135	0.31	0.4
<b>Petroleum</b>											
Gasoline Range Hydrocarbons	mg/kg	4	3	75	1.2	55	14.51	1.2	1.4	55	55
Diesel Range Hydrocarbons	mg/kg	7	7	100	6.4	510	146.49	85	130	215	510
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	81	75	93	1.9	600	67.52	32	73	150	190
Residual Range Hydrocarbons	mg/kg	7	7	100	50	1800	523.57	360	430	575	1800
Residual Range Hydrocarbons (silica gel treated)	mg/kg	81	80	99	4.9	1350	258.90	160	340	610	910
Total Petroleum Hydrocarbons	mg/kg	7	7	100	56	2400	683.43	490	520	790	2400
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	81	80	99	4.9	1675	326	201	413	820	1003
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	91	0	0			2.22	2.2	2.6	2.9	3.2
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	3	0	0			0.67	0.28	0.28	1.45	1.45
2,3,5,6-Tetrachlorophenol	ug/kg	88	1	1	0.78	0.78	2.70	2.75	3.1	3.55	3.9
2,4,5-Trichlorophenol	ug/kg	91	0	0			1.94	1.95	2.25	2.5	2.75
2,4,6-Trichlorophenol	ug/kg	91	1	1	2.1	2.1	1.98	2	2.3	2.6	2.85
2,4-Dichlorophenol	ug/kg	88	0	0			1.17	0.5	0.85	2.5	2.5
2,4-Dimethylphenol	ug/kg	13	0	0			15.21	4.25	4.95	14	14
2,4-Dinitrophenol	ug/kg	87	0	0			15.64	8.5	9.5	42.5	42.5
2-Chlorophenol	ug/kg	88	0	0			2.22	1	1.25	5	5
2-Methylphenol	ug/kg	88	2	2	8.1	24	2.12	0.75	1.5	3.75	7.5
2-Nitrophenol	ug/kg	88	0	0			1.75	0.75	1.25	3.75	3.75
3,4-Dichlorophenol	ug/kg	2	0	0			4.47				
3,5-Dichlorophenol	ug/kg	2	0	0			4.53				
4,6-Dinitro-2-methylphenol	ug/kg	88	0	0			1.59	0.7	1.15	3.5	3.5
4-Chloro-3-methylphenol	ug/kg	88	4	5	1.8	5.2	1.71	0.7	1.4	3.5	3.5
4-Methylphenol	ug/kg	88	33	38	1.6	360	14.89	0.85	7.8	27	47
4-Nitrophenol	ug/kg	88	0	0			20.47	9	10	45	45
Pentachlorophenol	ug/kg	91	12	13	3.2	890	18.91	2.7	3.2	12	35
Phenol	ug/kg	88	37	42	2.2	80	8.25	3.6	8.7	21	34

**Table 6-6a**  
**Summary Statistics for Surface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
<b>Phthalates</b>											
Bis(2-ethylhexyl)phthalate	ug/kg	91	78	86	5	18000	374.18	57	190	460	610
Butylbenzyl phthalate	ug/kg	91	31	34	2.9	580	19.85	1.6	8	22	37
Dibutyl phthalate	ug/kg	91	41	45	5.1	130	13.78	8.1	13	20	39.5
Diethyl phthalate	ug/kg	91	36	40	1.3	15	2.64	1.7	3.1	4.6	6.5
Dimethyl phthalate	ug/kg	91	10	11	1.7	170	4.52	0.5	1.4	2.8	5.5
Di-n-octyl phthalate	ug/kg	91	4	4	6.2	27	2.36	0.85	0.95	4.25	6.2
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	91	0	0			2.66	1.3	1.35	6.5	6.5
1,2-Dichlorobenzene	ug/kg	91	0	0			2.99	1.45	1.45	7.5	7.5
1,3-Dichlorobenzene	ug/kg	91	0	0			3.06	1.5	1.5	7.5	7.5
1,4-Dichlorobenzene	ug/kg	91	18	20	3	190	7.26	1.45	3.7	14.5	23
2,4-Dinitrotoluene	ug/kg	91	0	0			1.66	0.75	0.85	3.75	3.75
2,6-Dinitrotoluene	ug/kg	91	0	0			2.15	1	1.1	5	5
2-Chloronaphthalene	ug/kg	91	1	1	20	20	1.99	0.8	0.9	4	4
2-Nitroaniline	ug/kg	91	0	0			3.32	1.6	1.8	8	8
3,3'-Dichlorobenzidine	ug/kg	89	1	1	5.1	5.1	4.01	1.85	2.75	9.5	9.5
3-Nitroaniline	ug/kg	91	0	0			2.68	1.25	1.4	6.5	6.5
4-Bromophenyl phenyl ether	ug/kg	91	0	0			1.67	0.8	0.9	4	4
4-Chloroaniline	ug/kg	89	1	1	15	15	2.15	0.95	1.05	4.75	4.75
4-Chlorophenyl phenyl ether	ug/kg	91	0	0			1.51	0.7	0.8	3.5	3.5
4-Nitroaniline	ug/kg	91	0	0			1.99	0.9	1	4.5	4.5
Aniline	ug/kg	88	9	10	4.5	64	2.93	0.75	1.5	5.8	10
Azobenzene	ug/kg	91	0	0			1.24	0.55	0.65	2.75	2.75
Benzoic acid	ug/kg	88	7	8	100	3400	150.63	48	90	240	250
Benzyl alcohol	ug/kg	91	28	31	2.4	1800	30.72	2.1	4.8	10.5	55
Bis(2-chloroethoxy) methane	ug/kg	91	0	0			1.56	0.75	0.85	3.75	3.75
Bis(2-chloroethyl) ether	ug/kg	91	0	0			2.03	0.95	1.05	4.75	4.75
Bis(2-chloroisopropyl) ether	ug/kg	91	0	0			2.64	1.3	1.3	6.5	6.5
Carbazole	ug/kg	91	45	49	1.4	220	6.91	1.5	4	15	18
Dibenzofuran	ug/kg	91	60	66	0.59	290	8.18	1.2	3.8	11.45	19
Hexachlorobenzene	ug/kg	91	38	42	0.096	1.9	0.27	0.12	0.24	0.56	0.869
Hexachlorobutadiene	ug/kg	91	3	3	0.065	0.29	0.08	0.0325	0.07	0.165	0.29
Hexachlorocyclopentadiene	ug/kg	90	0	0			22.01	14.5	14.5	29	75
Hexachloroethane	ug/kg	91	0	0			0.09	0.0395	0.0395	0.08	0.145
Isophorone	ug/kg	91	0	0			1.09	0.5	0.55	2.5	2.5
Nitrobenzene	ug/kg	91	0	0			2.30	1.1	1.25	5.5	5.5
N-Nitrosodimethylamine	ug/kg	91	0	0			6.47	3.05	3.35	15.5	15.5
N-Nitrosodiphenylamine	ug/kg	91	3	3	1.8	9.7	1.87	0.8	0.9	4	4
N-Nitrosodipropylamine	ug/kg	91	0	0			2.57	1.2	1.35	6	6

**Table 6-6b**  
**Summary Statistics for Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	65	0	0			0.75	0.5	1.1	1.3	1.3
Aroclor 1221	ug/kg	65	0	0			0.70	0.5	1.1	1.25	1.3
Aroclor 1232	ug/kg	65	0	0			0.78	0.5	1.15	1.3	1.4
Aroclor 1242	ug/kg	65	2	3	19	47	1.84	0.5	1.15	1.3	3.3
Aroclor 1248	ug/kg	65	5	8	11	94	4.75	0.5	1.25	2.65	33
Aroclor 1254	ug/kg	65	13	20	4.8	220	10.76	0.9	1.3	26	41
Aroclor 1260	ug/kg	65	21	32	1.6	390	15.35	1.25	9.3	23	42
Aroclor 1262	ug/kg	65	1	2	46	46	3.37	0.5	1.1	1.3	1.3
Aroclor 1268	ug/kg	65	2	3	7.7	11	2.30	0.5	1.15	1.3	7.7
Total Aroclors	ug/kg	65	29	45	1.6	610	38.3	1.4	24	75	141
<b>Butyltins</b>											
Butyltin ion	ug/kg	42	8	19	0.42	5.8	0.39	0.115	0.21	0.82	0.96
Dibutyltin ion	ug/kg	42	7	17	0.5	9.4	0.38	0.0235	0.155	0.54	0.81
Tetrabutyltin	ug/kg	42	0	0			0.11	0.055	0.075	0.305	0.33
Tributyltin ion	ug/kg	42	8	19	0.55	23	0.90	0.047	0.21	0.73	1.4
Total Butyltins	ug/kg	42	11	26	0.52	29.6	1.60	0.21	0.52	1.9	2.72
<b>Conventionals</b>											
Ammonia	mg/kg	12	12	100	2.4	224	62.98	36.6	69.5	137	137
Specific Gravity	NA	23	23	100	1.5	2.43	1.85	1.78	1.86	2.15	2.43
Sulfide	mg/kg	2	2	100	6.65	14	10.33				
Total organic carbon	percent	64	62	97	0.05	15.8	1.28	0.86	1.51	2.35	2.84
Total solids	percent	66	66	100	49.4	94.3	71.2	70.3	77.5	83.1	89.8
<b>Dioxin/Furan Homologs</b>											
Heptachlorodibenzofuran homologs	pg/g	30	27	90	0.136	790	74.91	25.4	103	149	163
Heptachlorodibenzo-p-dioxin homologs	pg/g	30	28	93	0.499	377	121.70	79.5	202	295	302
Hexachlorodibenzofuran homologs	pg/g	30	25	83	0.0279	166	42.37	23.6	74.4	87.8	92.4
Hexachlorodibenzo-p-dioxin homologs	pg/g	30	27	90	0.212	65.1	20.50	17	32.15	46.2	61
Octachlorodibenzofuran	pg/g	30	28	93	0.203	268	44.64	23.5	56.9	103.1	114
Octachlorodibenzo-p-dioxin	pg/g	30	28	93	3.87	2940	772.30	386	1230	1910	2025
Pentachlorodibenzofuran homologs	pg/g	30	24	80	0.203	158	35.44	19.7	49.1	69.9	150
Pentachlorodibenzo-p-dioxin homologs	pg/g	30	21	70	0.563	12.1	3.26	1.41	5.325	7.4	9.52
Tetrachlorodibenzofuran homologs	pg/g	30	25	83	0.108	80	14.22	6.4	15.8	37.1	48.3
Tetrachlorodibenzo-p-dioxin homologs	pg/g	30	20	67	0.304	9.34	1.78	0.641	2.26	3.91	5.57
Total PCDD/F	pg/g	30	28	93	4.74	4595	1131	665	1850	2655	2952
<b>Dioxins/Furans</b>											
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	30	15	50	0.0681	0.56	0.15	0.071	0.195	0.404	0.418
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	30	20	67	0.0902	1.5	0.38	0.304	0.598	0.849	0.92
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	30	22	73	0.0656	2.15	0.47	0.381	0.527	1.11	1.195
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	30	26	87	0.0385	8.46	2.69	2.03	3.895	6.06	7.53
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	30	25	83	0.0926	4.42	1.32	1.05	1.58	3.14	3.98
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	30	28	93	0.342	150	53.68	32.3	83.85	132	134
2,3,7,8-Tetrachlorodibenzofuran	pg/g	30	15	50	0.278	13.4	0.89	0.2255	0.8	1.12	1.33
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	30	20	67	0.0934	1.16	0.35	0.286	0.51	0.806	1.074

**Table 6-6b**  
**Summary Statistics for Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	30	22	73	0.0425	2.55	0.70	0.463	0.934	1.87	2.15
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	30	25	83	0.0403	6.19	1.62	1.27	2.52	3.13	5.625
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	30	23	77	0.194	16.9	2.58	0.865	2.825	6.59	10.1
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	30	9	30	0.071	0.261	0.07	0.04195	0.1005	0.156	0.166
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	30	23	77	0.126	10.3	2.16	1.35	2.96	4.98	5.63
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	30	28	93	0.0956	396	29.12	8.56	27.7	48.2	56.5
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	30	20	67	0.287	4.2	0.97	0.796	1.34	2.06	2.075
Dioxin/furan TCDD toxicity equivalent	pg/g	30	28	93	0.006	12.8	2.98	2.63	4.13	5.85	6.02
<b>EPH</b>											
C8-C10 Aliphatics	ug/kg	12	2	17	2600	6600	1850.00	1350	1450	2600	2600
C8-C10 Aromatics	ug/kg	12	0	0			1283.33	1250	1350	1450	1450
C10-C12 Aliphatics	ug/kg	12	2	17	2500	5400	1741.67	1350	1450	2500	2500
C10-C12 Aromatics	ug/kg	12	0	0			1283.33	1250	1350	1450	1450
C12-C16 Aliphatics	ug/kg	12	3	25	3900	16000	3354.17	1350	1450	8800	8800
C12-C16 Aromatics	ug/kg	12	0	0			1283.33	1250	1350	1450	1450
C16-C21 Aliphatics	ug/kg	12	6	50	2800	47000	8687.50	1450	5000	30000	30000
C16-C21 Aromatics	ug/kg	12	3	25	3200	15000	2837.50	1350	1450	4200	4200
C21-C34 Aliphatics	ug/kg	12	12	100	15500	340000	91958.33	45000	78000	190000	190000
C21-C34 Aromatics	ug/kg	12	11	92	3500	140000	25691.67	6000	21000	72000	72000
<b>Grainsize</b>											
Silt	percent	10	10	100	2.37	66.2	25.62	17.1	41.2	42.5	66.2
0.001MM	percent	2	2	100	0	14.85	7.43				
0.074MM	percent	2	2	100	20.75	66.65	43.70				
19.0MM	percent	2	2	100	100	100	100.00				
9.50MM	percent	2	2	100	91.55	100	95.78				
9-10 Phi clay	percent	10	10	100	0	15.7	3.98	2.46	4.97	5.96	15.7
0.005MM	percent	2	2	100	0	34.2	17.10				
Medium gravel	percent	65	65	100	0	100	21.47	1.03	27.3	99.95	100
Fine gravel	percent	65	65	100	0	100	16.94	1.69	8.06	84.1	100
Very coarse sand	percent	65	65	100	0.06	99.3	15.80	2.55	7.1	67.9	95.7
Coarse sand	percent	65	65	100	0.16	98.7	20.05	6.03	30.3	53.9	91.9
Medium sand	percent	65	65	100	0.24	97.4	26.05	16	36.9	59.7	81.4
Fine sand	percent	65	65	100	0.527	81.6	18.87	14.3	23.55	40.1	49.6
Very fine sand	percent	65	65	100	0.07	70.5	15.36	15.5	20.7	24.5	39.3
Coarse silt	percent	53	53	100	0.03	27.8	9.97	8.21	16	22.35	23.3
Medium silt	percent	53	53	100	0	19.5	7.55	5.84	12.7	16.0325	18
Fine silt	percent	53	53	100	0	12.1	4.68	3.79	7.79	10.3	10.7
Very fine silt	percent	53	53	100	0	8.1375	3.04	2.8475	4.99	6.43	6.9
8-9 Phi clay	percent	53	53	100	0	7.36	1.90	1.72	2.73	4.03	4.46
>9 Phi clay	percent	53	53	100	0	10.82	3.97	3.32	6.75	8.67	9.28
>10 Phi clay	percent	10	10	100	0	0	0.00	0	0	0	0
Fines	percent	23	23	100	0.397	70	28.90	25.3	53.1	60.4	64.8
<b>Metals</b>											
Aluminum	mg/kg	63	63	100	5940	31800	18015.24	17900	23900	27700	29150



**Table 6-6b**  
**Summary Statistics for Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
Antimony	mg/kg	65	63	97	0.05	1.55	0.35	0.285	0.532	0.69	0.97
Arsenic	mg/kg	65	65	100	0.8	7.18	2.86	2.71	3.34	4.03	5.09
Cadmium	mg/kg	65	63	97	0.043	1.038	0.23	0.17	0.3105	0.439	0.5955
Chromium	mg/kg	65	61	94	5.09	36.6	18.14	17.2	22.7	28.55	30.9
Copper	mg/kg	65	65	100	9.48	72.1	29.32	28.7	34.7	40.1	48.7
Lead	mg/kg	65	65	100	1.36	371	42.75	14.9	49	90.3	174
Mercury	mg/kg	65	65	100	0.009	3.46	0.28	0.067	0.231	0.641	1.32
Nickel	mg/kg	65	65	100	6.77	36.9	19.58	19	23.1	27.3	31.5
Selenium	mg/kg	56	39	70	0.02	0.175	0.12	0.08	0.14	0.25	0.4
Silver	mg/kg	65	65	100	0.029	7.18	0.49	0.211	0.349	0.633	1.965
Zinc	mg/kg	65	65	100	34.6	315	93.52	72.2	115	173	178
<b>PAHs</b>											
C1-Dibenzothiophene	ug/kg	37	29	78	1.3	400	84.44	25	100	330	360
C1-Chrysene	ug/kg	37	31	84	2.8	3000	177.74	36	110	240	385
C1-Fluoranthene/pyrene	ug/kg	37	32	86	1.1	7300	363.22	46	210	360	850
C1-Fluorene	ug/kg	37	29	78	1.1	1400	72.89	11	48	150	190
C1-Phenanthrene/anthracene	ug/kg	37	32	86	0.82	7400	390.22	45	305	620	1100
C2-Dibenzothiophene	ug/kg	37	28	76	3.1	700	91.67	19	79	250	410
C2-Chrysene	ug/kg	37	30	81	6.7	1200	135.51	52	110	330	500
C2-Fluoranthene/pyrene	ug/kg	37	31	84	2.8	2900	189.36	47	120	290	630
C2-Fluorene	ug/kg	37	29	78	2.4	1400	127.24	29	90	370	520
C2-Naphthalene	ug/kg	37	30	81	1.8	4800	256.10	24	150	560	630
C2-Phenanthrene/anthracene	ug/kg	37	32	86	1.1	3500	320.57	71	250	720	1400
C3-Dibenzothiophene	ug/kg	37	27	73	3.3	560	93.64	14	72	280	470
C3-Chrysene	ug/kg	37	29	78	6.8	620	106.26	45	110	290	460
C3-Fluoranthene/pyrene	ug/kg	37	29	78	8.1	1400	135.56	50	130	280	510
C3-Fluorene	ug/kg	37	28	76	4.1	1900	202.07	42	140	400	990
C3-Naphthalene	ug/kg	37	29	78	1.9	2500	260.78	29	180	950	1100
C3-Phenanthrene/anthracene	ug/kg	37	32	86	0.85	1800	284.66	77	340	710	1300
C4-Chrysene	ug/kg	37	20	54	15	480	53.28	15	55	130	210
C4-Naphthalene	ug/kg	37	29	78	2.8	1300	207.89	43	180	790	940
C4-Phenanthrene/anthracene	ug/kg	37	30	81	5.4	670	125.43	30	150	350	610
1-Methylnaphthalene	ug/kg	37	30	81	0.79	4000	134.46	6.8	27	63	190
2-Methylnaphthalene	ug/kg	65	41	63	1.3	3600	86.20	5.3	28	77	240
Acenaphthene	ug/kg	65	55	85	0.33	8100	221.67	8.1	53	370	470
Acenaphthylene	ug/kg	65	47	72	0.36	610	28.14	1.8	18	59	130
Anthracene	ug/kg	65	53	82	0.4	5400	139.57	5	22	90	260
Benzo(a)anthracene	ug/kg	65	50	77	0.3	4200	138.39	11	37	180	390
Benzo(a)pyrene	ug/kg	65	48	74	0.95	4300	149.48	16	44	220	510
Benzo(b)fluoranthene	ug/kg	65	49	75	0.32	4000	150.56	18	59	210	560
Benzo(e)pyrene	ug/kg	37	31	84	2.9	2400	136.46	25	83	150	380
Benzo(g,h,i)perylene	ug/kg	65	46	71	2.9	2100	100.48	15	44	160	520
Benzo(k)fluoranthene	ug/kg	65	46	71	0.66	1400	56.14	5.8	17	72	200
Chrysene	ug/kg	65	50	77	0.3	3700	144.76	18	44	200	500

**Table 6-6b**  
**Summary Statistics for Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
Dibenzo(a,h)anthracene	ug/kg	65	37	57	0.75	380	16.38	2.6	8.6	29	65
Dibenzothiophene	ug/kg	37	28	76	0.5	1200	54.47	3.5	27.5	96	100
Fluoranthene	ug/kg	65	52	80	1.7	12000	436.95	39	160	760	1800
Fluorene	ug/kg	65	48	74	0.38	4800	127.80	6.4	27	110	280
Indeno(1,2,3-cd)pyrene	ug/kg	65	49	75	0.28	2400	100.24	14	35	150	470
Naphthalene	ug/kg	66	47	71	0.45	5400	159.89	12	73	210	530
Perylene	ug/kg	37	33	89	1.2	980	78.52	39	57	130	160
Phenanthrene	ug/kg	65	53	82	1.9	17000	537.84	34	150	890	1500
Pyrene	ug/kg	65	53	82	0.64	11000	441.49	43	160	660	1900
Total C1-PAHs	ug/kg	30	28	93	1.92	2580	411.69	156.6	452	1102	1420
Total C2-PAHs	ug/kg	30	28	93	4.8	4040	596.72	222	644	1447	2140
Total C3-PAHs	ug/kg	30	28	93	0.85	4480	690.69	266	656	1720	2000
Total C4-PAHs	ug/kg	30	26	87	5.9	1780	281.11	106	285	681	994
Total HPAHs	ug/kg	65	55	85	0.28	45000	1728	168	578	2532	6039
Total LPAHs	ug/kg	65	64	98	0.33	45000	1305	115	510	1600	2400
Total PAHs	ug/kg	65	65	100	0.28	90000	3031	353	1189	4600	7900
<b>Pesticides</b>											
2,4'-DDD	ug/kg	65	20	31	0.12	18.5	1.18	0.16	0.77	1.9	5.85
2,4'-DDE	ug/kg	65	4	6	0.082	1.2	0.18	0.125	0.17	0.31	0.6
2,4'-DDT	ug/kg	65	26	40	0.41	14	1.27	0.11	1.3	3.1	5.65
4,4'-DDD	ug/kg	65	33	51	0.13	22	1.39	0.16	1.5	2.2	5.6
4,4'-DDE	ug/kg	65	26	40	0.052	11	1.25	0.085	1.2	3.3	6.5
4,4'-DDT	ug/kg	65	33	51	0.13	239.5	5.46	0.325	1.3	3.9	5.3
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	16	3	19	0.17	0.85	0.19	0.09	0.125	0.425	0.52
Total DDD	ug/kg	65	33	51	0.16	40.5	2.46	0.19	1.9	4.1	11.5
Total DDE	ug/kg	65	28	43	0.052	11	1.32	0.175	1.25	3.3	6.5
Total DDT	ug/kg	65	34	52	0.13	254	6.59	0.41	2.6	6.53	10.8
Total DDx	ug/kg	65	40	62	0.052	301	10.2	0.99	6.81	14.1	30.5
Aldrin	ug/kg	65	6	9	0.079	1.7	0.12	0.0455	0.11	0.2	0.5
alpha-Endosulfan	ug/kg	65	7	11	0.075	0.72	0.12	0.075	0.125	0.22	0.32
alpha-Hexachlorocyclohexane	ug/kg	65	3	5	0.055	0.26	0.08	0.0305	0.165	0.195	0.2
beta-Endosulfan	ug/kg	65	10	15	0.093	3.403	0.24	0.12	0.17	0.51	0.94
beta-Hexachlorocyclohexane	ug/kg	65	6	9	0.076	3.1	0.18	0.065	0.215	0.25	0.5
cis-Chlordane	ug/kg	65	11	17	0.11	1.7	0.17	0.095	0.165	0.3	0.43
cis-Nonachlor	ug/kg	65	6	9	0.18	3.4	0.49	0.065	0.45	0.86	3.1
delta-Hexachlorocyclohexane	ug/kg	65	3	5	0.099	0.44	0.06	0.0355	0.0425	0.099	0.31
Dieldrin	ug/kg	65	2	3	0.29	7.45	0.31	0.0365	0.21	0.25	0.5
Endosulfan sulfate	ug/kg	65	3	5	0.29	0.38	0.15	0.048	0.11	0.31	0.46
Endrin	ug/kg	65	6	9	0.18	2.4	0.22	0.1	0.155	0.47	1.2
Endrin aldehyde	ug/kg	65	5	8	0.2	0.6	0.14	0.038	0.135	0.37	0.56
Endrin ketone	ug/kg	65	10	15	0.19	31.22	0.80	0.065	0.27	1.1	1.95
gamma-Hexachlorocyclohexane	ug/kg	65	15	23	0.12	1.5	0.21	0.1	0.21	0.5	0.89
Heptachlor	ug/kg	65	2	3	0.12	0.24	0.06	0.037	0.055	0.065	0.16
Heptachlor epoxide	ug/kg	65	2	3	0.27	0.28	0.10	0.085	0.11	0.25	0.27

**Table 6-6b**  
**Summary Statistics for Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
Methoxychlor	ug/kg	65	5	8	0.21	21	0.50	0.105	0.245	0.38	0.65
Mirex	ug/kg	65	1	2	0.74	0.74	0.07	0.0375	0.065	0.075	0.11
Oxychlorane	ug/kg	65	8	12	0.12	4.3	0.22	0.11	0.255	0.28	0.335
Total Chlordanes	ug/kg	65	34	52	0.12	14	1.15	0.28	1.2	2.02	4.3
Total Endosulfans	ug/kg	49	15	31	0.075	3.40	0.40	0.135	0.32	0.94	2.25
Toxaphene	ug/kg	65	0	0			14.15	7	12.5	21.5	55
trans-Chlordane	ug/kg	65	25	38	0.077	14	0.76	0.065	0.64	1.4	3.75
trans-Nonachlor	ug/kg	65	7	11	0.15	0.72	0.12	0.065	0.1	0.25	0.47
<b>Petroleum</b>											
Gasoline Range Hydrocarbons	mg/kg	17	1	6	29	29	2.41	0.44	0.9	1.6	1.85
Diesel Range Hydrocarbons	mg/kg	23	15	65	1.9	1300	152.07	2.5	5.1	975	1000
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	37	31	84	4.65	1200	229.58	120	320	570	900
Residual Range Hydrocarbons	mg/kg	23	13	57	3.6	2700	288.47	13	36	1350	1900
Residual Range Hydrocarbons (silica gel treated)	mg/kg	37	31	84	5.25	2300	477.94	290	800	1300	1450
Total Petroleum Hydrocarbons	mg/kg	23	18	78	1.9	4000	439	10	39	2330	2900
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	37	30	81	9.9	3500	707	410	1110	1790	2200
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	53	0	0			1.44	1.85	2.3	2.6	2.65
2,3,5,6-Tetrachlorophenol	ug/kg	53	1	2	3.2	3.2	1.73	2.3	2.85	3.2	3.25
2,4,5-Trichlorophenol	ug/kg	53	2	4	4.1	5.1	1.58	1.75	2.1	2.55	2.65
2,4,6-Trichlorophenol	ug/kg	53	1	2	1.3	1.3	1.28	1.7	2.05	2.3	2.4
2,4-Dichlorophenol	ug/kg	65	0	0			2.08	0.5	1.3	2.5	5
2,4-Dimethylphenol	ug/kg	59	1	2	6.7	6.7	4.68	2.75	3.9	14	14
2,4-Dinitrophenol	ug/kg	65	0	0			36.16	8.5	25.5	42.5	85
2-Chlorophenol	ug/kg	65	0	0			3.83	1	1.25	5	10
2-Methylphenol	ug/kg	65	1	2	6.9	6.9	3.32	0.75	2.45	3.75	7.5
2-Nitrophenol	ug/kg	65	0	0			3.09	0.75	1.85	3.75	7.5
4,6-Dinitro-2-methylphenol	ug/kg	65	0	0			2.77	0.7	1.25	3.5	7
4-Chloro-3-methylphenol	ug/kg	65	0	0			2.83	0.7	1.5	3.5	7
4-Methylphenol	ug/kg	65	33	51	3.4	330	39.08	3.75	46	120	160
4-Nitrophenol	ug/kg	65	0	0			36.91	9	21.5	45	90
Pentachlorophenol	ug/kg	53	3	6	0.24	26	2.10	2.2	2.75	3.05	3.15
Phenol	ug/kg	65	22	34	2.5	24	7.21	3.8	7	16	24
<b>Phthalates</b>											
Bis(2-ethylhexyl)phthalate	ug/kg	65	40	62	2.5	3800	128.30	18	65	175	520
Butylbenzyl phthalate	ug/kg	65	7	11	3.3	33	7.49	1.6	3.6	16	33
Dibutyl phthalate	ug/kg	65	37	57	3.6	28.5	18.97	8.9	17	20	39.5
Diethyl phthalate	ug/kg	65	4	6	1.4	2.8	3.47	2.1	2.65	3.25	6.5
Dimethyl phthalate	ug/kg	65	9	14	1.8	470	30.99	1.15	2.5	75	170
Di-n-octyl phthalate	ug/kg	65	1	2	18	18	3.47	0.85	0.9	4.25	18
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	65	0	0			4.85	1.3	1.3	6.5	13
1,2-Dichlorobenzene	ug/kg	65	0	0			5.48	1.45	1.45	7.5	14.5
1,3-Dichlorobenzene	ug/kg	65	0	0			5.57	1.5	1.5	7.5	15

**Table 6-6b**  
**Summary Statistics for Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
1,4-Dichlorobenzene	ug/kg	66	8	12	4.1	315	13.44	1.45	4.1	15	75
2,4-Dinitrotoluene	ug/kg	65	0	0			3.13	0.75	2	3.75	7.5
2,6-Dinitrotoluene	ug/kg	65	0	0			4.02	1	2	5	10
2-Chloronaphthalene	ug/kg	65	1	2	120	120	4.67	0.8	2.55	4	8
2-Nitroaniline	ug/kg	65	0	0			6.11	1.6	1.95	8	16
3,3'-Dichlorobenzidine	ug/kg	65	0	0			7.55	1.85	2.7	9.5	18.5
3-Nitroaniline	ug/kg	65	0	0			4.99	1.25	1.85	6.5	12.5
4-Bromophenyl phenyl ether	ug/kg	65	0	0			3.07	0.8	1	4	8
4-Chloroaniline	ug/kg	65	0	0			3.71	0.95	1.5	4.75	9.5
4-Chlorophenyl phenyl ether	ug/kg	65	0	0			2.82	0.7	1.45	3.5	7
4-Nitroaniline	ug/kg	65	0	0			3.76	0.9	2.45	4.5	9
Aniline	ug/kg	57	3	5	5.1	28	3.92	0.75	1.15	5.1	28
Azobenzene	ug/kg	65	0	0			2.35	0.55	1.7	2.75	5.5
Benzoic acid	ug/kg	53	3	6	100	110	209.95	48.5	75	240	480
Benzyl alcohol	ug/kg	65	26	40	2.7	69	11.97	4.1	19	29	55
Bis(2-chloroethoxy) methane	ug/kg	65	0	0			2.87	0.75	0.95	3.75	7.5
Bis(2-chloroethyl) ether	ug/kg	65	0	0			3.76	0.95	1.7	4.75	9.5
Bis(2-chloroisopropyl) ether	ug/kg	65	0	0			4.80	1.3	1.3	6.5	13
Carbazole	ug/kg	65	27	42	1.5	1700	43.30	1.5	9.85	29	47
Dibenzofuran	ug/kg	65	45	69	0.29	2400	54.08	2.5	10.5	33	100
Hexachlorobenzene	ug/kg	65	10	15	0.14	0.64	0.11	0.06	0.105	0.25	0.29
Hexachlorobutadiene	ug/kg	65	4	6	0.078	0.35	0.15	0.033	0.315	0.355	0.37
Hexachlorocyclopentadiene	ug/kg	65	0	0			55.12	14.5	14.5	75	145
Hexachloroethane	ug/kg	65	1	2	0.79	0.79	0.16	0.0395	0.11	0.495	0.7
Isophorone	ug/kg	65	2	3	3.9	3.9	2.13	0.5	1.2	2.5	5
Nitrobenzene	ug/kg	65	0	0			4.23	1.1	1.45	5.5	11
N-Nitrosodimethylamine	ug/kg	65	0	0			11.93	3.05	4.35	15.5	30.5
N-Nitrosodiphenylamine	ug/kg	65	0	0			3.20	0.8	1.6	4	8
N-Nitrosodipropylamine	ug/kg	65	0	0			4.79	1.2	2.3	6	12

**Table 6-6c**  
**Summary Statistics for Surface and Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
<b>PCB Aroclors</b>											
Aroclor 1016	ug/kg	156	0	0			1.50	0.5	0.7	1.3	2.3
Aroclor 1221	ug/kg	156	0	0			0.82	0.5	0.65	1.3	1.7
Aroclor 1232	ug/kg	156	0	0			1.69	0.5	1.1	1.5	2.5
Aroclor 1242	ug/kg	156	13	8	5.4	220	5.00	0.5	1.3	5	19
Aroclor 1248	ug/kg	156	5	3	11	94	2.41	0.5	0.85	1.4	5
Aroclor 1254	ug/kg	156	60	38	1.3	1600	28.69	1.25	14	41	75
Aroclor 1260	ug/kg	156	80	51	1.6	2600	32.43	3.7	17	30	75.5
Aroclor 1262	ug/kg	156	1	1	46	46	1.82	0.5	0.55	1.25	1.3
Aroclor 1268	ug/kg	156	7	4	2.6	37	1.80	0.5	0.56	1.3	5.5
Total Aroclors	ug/kg	156	94	60	1.3	4200	69.3	8.5	42.6	113	171
<b>Butyltins</b>											
Butyltin ion	ug/kg	123	45	37	0.33	81.1	1.51	0.125	0.82	3.2	5.5
Dibutyltin ion	ug/kg	123	48	39	0.375	1300.9	11.91	0.105	0.81	3	8.5
Tetrabutyltin	ug/kg	123	1	1	39	39	0.39	0.055	0.065	0.115	0.305
Tributyltin ion	ug/kg	123	38	31	0.55	1700.335	15.97	0.055	0.72	2.7	8.1
Total Butyltins	ug/kg	123	57	46	0.375	3121	29.6	0.305	2.54	10.6	26.1
<b>Conventionals</b>											
Ammonia	mg/kg	17	17	100	2.4	224	53.72	34.5	63.5	110	137
Specific Gravity	NA	30	30	100	1.38	2.43	1.78	1.76	1.81	2.03	2.15
Sulfide	mg/kg	7	5	71	0.6	14	3.45	1.3	1.4	6.65	14
Total organic carbon	percent	156	154	99	0.05	15.8	1.21	0.86	1.47	2.2	2.79
Total solids	percent	157	157	100	30.8	94.3	68.6	68	76.1	85.1	90.7
<b>Dioxin/Furan Homologs</b>											
Heptachlorodibenzofuran homologs	pg/g	78	71	91	0.136	790	61.98	19.4	65	149	179
Heptachlorodibenzo-p-dioxin homologs	pg/g	78	73	94	0.499	1830	125.52	50.6	150	295	344
Hexachlorodibenzofuran homologs	pg/g	78	69	88	0.0279	246	31.06	11.7	42.6	83.7	97.8
Hexachlorodibenzo-p-dioxin homologs	pg/g	78	72	92	0.0828	86.7	15.42	7.79	20.4	40.65	56.5
Octachlorodibenzofuran	pg/g	78	68	87	0.203	2210	67.28	15.3	51.4	112	174
Octachlorodibenzo-p-dioxin	pg/g	78	71	91	3.87	10400	748.52	261	812	1780	2700
Pentachlorodibenzofuran homologs	pg/g	78	67	86	0.0356	158	21.52	6.56	26.2	53.9	69.9
Pentachlorodibenzo-p-dioxin homologs	pg/g	78	56	72	0.041	12.1	2.02	0.577	3.04	5.725	7.4
Tetrachlorodibenzofuran homologs	pg/g	78	62	79	0.047	95.2	8.79	2.1	9.63	22.35	37.1
Tetrachlorodibenzo-p-dioxin homologs	pg/g	78	51	65	0.0766	9.34	1.23	0.399	1.83	3.6	4.15
Total PCDD/F	pg/g	78	73	94	4.49	15400	1083	456	1327	2479	3642
<b>Dioxins/Furans</b>											
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	78	36	46	0.0483	0.56	0.12	0.0495	0.17	0.3405	0.418
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	78	52	67	0.033	2.02	0.33	0.242	0.523	0.833	0.92
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	78	57	73	0.017	3.35	0.46	0.292	0.618	1.08	1.39
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	78	68	87	0.0385	28.4	2.68	1.26	3.23	6.06	8.46
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	78	62	79	0.055	6.5	1.19	0.764	1.58	2.86	3.98
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	78	71	91	0.342	1040	63.86	27.4	71.9	132	178
2,3,7,8-Tetrachlorodibenzofuran	pg/g	78	35	45	0.094	13.4	0.62	0.1835	0.54	1.02	1.13
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	78	47	60	0.022	2.8	0.31	0.173	0.429	0.806	1.03
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	78	56	72	0.0425	9.25	0.62	0.253	0.702	1.4	2.15
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	78	63	81	0.0329	13.7	1.65	0.644	2.06	3.25	6.86

**Table 6-6c**  
**Summary Statistics for Surface and Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	78	59	76	0.049	16.9	1.51	0.439	1.52	3.275	6.59
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	78	23	29	0.0381	0.471	0.07	0.03355	0.1015	0.166	0.261
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	78	58	74	0.058	35.4	1.87	0.653	1.96	4.35	5.57
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	78	70	90	0.0956	396	19.15	4.96	17.3	43.8	56.5
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	78	53	68	0.0764	9.06	0.95	0.333	1.34	2.075	3.77
Dioxin/furan TCDD toxicity equivalent	pg/g	78	73	94	0.006	19.2	2.71	1.37	3.96	6.02	8.81
<b>Metals</b>											
Aluminum	mg/kg	154	154	100	5340	32200	16343.05	15400	21900	26400	29000
Antimony	mg/kg	156	150	96	0.05	7.37	0.39	0.2	0.39	0.69	0.97
Arsenic	mg/kg	156	156	100	0.8	126	3.96	2.79	3.475	4.48	5.4
Cadmium	mg/kg	156	154	99	0.03	1.7	0.25	0.19	0.288	0.481	0.684
Chromium	mg/kg	156	152	97	4.51	47.6	18.79	18.55	22.7	29.2	34.4
Copper	mg/kg	156	156	100	9.48	264	31.24	26	34.2	44.2	65.8
Lead	mg/kg	156	156	100	1.36	428	45.98	21	51.4	98.8	174
Manganese	mg/kg	3	3	100	394	482	451.67	479	479	482	482
Mercury	mg/kg	156	156	100	0.007	4.06	0.20	0.048	0.133	0.419	0.858
Nickel	mg/kg	156	156	100	6.77	39.1	18.51	18.6	21	25.35	28.6
Selenium	mg/kg	144	113	78	0.02	0.21	0.09	0.07	0.12	0.175	0.25
Silver	mg/kg	156	149	96	0.022	7.18	0.40	0.174	0.346	0.633	1.2
Thallium	mg/kg	3	3	100	0.07	0.081	0.08	0.078	0.078	0.081	0.081
Zinc	mg/kg	156	156	100	29.9	858	98.76	74.5	111	173	196
<b>PAHs</b>											
C1-Chrysene	ug/kg	121	107	88	0.45	3000	95.84	24	66	160	320
C1-Dibenzothiophene	ug/kg	121	84	69	0.76	870	43.83	3.6	24	102.5	330
C1-Fluoranthene/pyrene	ug/kg	121	108	89	1.1	7300	180.14	24.5	72	230	510
C1-Fluorene	ug/kg	121	92	76	0.58	1400	34.50	2.7	13	67	150
C1-Phenanthrene/anthracene	ug/kg	121	107	88	0.82	7400	183.93	15	66	330	620
C2-Chrysene	ug/kg	121	103	85	1.6	1200	79.51	25	73	150	340
C2-Dibenzothiophene	ug/kg	121	84	69	1.2	970	48.11	6.5	28	110	250
C2-Fluoranthene/pyrene	ug/kg	121	105	87	1.6	2900	95.15	23	57	140	290
C2-Fluorene	ug/kg	121	100	83	0.5	1400	61.74	6.1	32	130	370
C2-Naphthalene	ug/kg	121	105	87	0.44	4800	108.85	6.4	41	200	560
C2-Phenanthrene/anthracene	ug/kg	121	108	89	0.78	3500	152.41	23	89	320	610
C3-Chrysene	ug/kg	121	99	82	2.1	620	67.89	24	74	150	290
C3-Dibenzothiophene	ug/kg	121	77	64	1.3	660	46.47	6.5	30	120	240
C3-Fluoranthene/pyrene	ug/kg	121	92	76	1.8	1400	70.99	21	57	130	280
C3-Fluorene	ug/kg	121	86	71	1.4	1900	94.75	8.5	49	210	400
C3-Naphthalene	ug/kg	121	104	86	0.46	2500	121.40	4.9	32	260	950
C3-Phenanthrene/anthracene	ug/kg	121	106	88	0.85	1900	132.28	24	79	340	700
C4-Chrysene	ug/kg	121	72	60	4	480	34.39	9.7	38	74	140
C4-Naphthalene	ug/kg	121	97	80	0.48	1500	100.20	6.3	43	230	790
C4-Phenanthrene/anthracene	ug/kg	121	94	78	1.4	1100	66.00	14	53	160	320
1-Methylnaphthalene	ug/kg	121	98	81	0.39	4000	50.38	2.035	8.2	32	68
2-Methylnaphthalene	ug/kg	156	115	74	0.41	3600	47.14	2.9	11	40	110
Acenaphthene	ug/kg	156	128	82	0.27	8100	112.77	3.6	17	130	370
Acenaphthylene	ug/kg	156	121	78	0.24	720	24.42	1.7	11	35	100

**Table 6-6c**  
**Summary Statistics for Surface and Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
Anthracene	ug/kg	156	124	79	0.4	5400	76.63	4.2	15	65	150
Benzo(a)anthracene	ug/kg	156	132	85	0.3	4200	103.04	14	40	120	310
Benzo(a)pyrene	ug/kg	156	131	84	0.17	4300	123.20	16	44	150	340
Benzo(b)fluoranthene	ug/kg	156	131	84	0.32	4000	124.04	21	51	150	470
Benzo(e)pyrene	ug/kg	121	110	91	0.3	2400	92.19	17	40	100	320
Benzo(g,h,i)perylene	ug/kg	156	126	81	0.79	2500	92.63	16	41	120	390
Benzo(k)fluoranthene	ug/kg	156	127	81	0.16	1400	44.09	7.1	19	67	160
Chrysene	ug/kg	156	133	85	0.25	3700	114.88	18	44	160	460
Dibenzo(a,h)anthracene	ug/kg	156	110	71	0.3	380	13.89	3.1	8.5	21	56
Dibenzothiophene	ug/kg	121	86	71	0.39	1200	28.31	1.5	5.5	45	98
Fluoranthene	ug/kg	156	136	87	0.62	12000	319.40	34	110	480	1000
Fluorene	ug/kg	156	116	74	0.38	4800	66.45	3.4	13.5	59	160
Indeno(1,2,3-cd)pyrene	ug/kg	156	132	85	0.22	2400	89.55	14	35	120	370
Naphthalene	ug/kg	157	133	85	0.45	5400	134.69	6.4	36	140	320
Perylene	ug/kg	121	113	93	0.34	980	49.20	17	38	62	140
Phenanthrene	ug/kg	156	133	85	0.95	17000	314.57	20.4	89	460	1100
Pyrene	ug/kg	156	137	88	0.58	11000	347.71	38	110	460	1200
Total C1-PAHs	ug/kg	108	98	91	1.85	9210	309	73.8	231	671	1208
Total C2-PAHs	ug/kg	108	98	91	1.57	7940	369	95.1	351	698	1447
Total C3-PAHs	ug/kg	108	98	91	0.48	7300	396	93	363	804	1720
Total C4-PAHs	ug/kg	108	93	86	0.6	2810	161	46	139	357	806
Total HPAHs	ug/kg	156	140	90	0.28	45000	1370	175	512	2015	4980
Total LPAHs	ug/kg	156	151	97	0.33	45000	778	55	261	1068	2285
Total PAHs	ug/kg	156	154	99	0.28	90000	2148	276	752	3400	6402
<b>Pesticides</b>											
2,4'-DDD	ug/kg	156	57	37	0.067	120	1.73	0.2	0.98	2.2	3.55
2,4'-DDE	ug/kg	156	5	3	0.082	1.2	0.38	0.1	0.17	0.435	0.6
2,4'-DDT	ug/kg	156	81	52	0.045	20	1.55	0.38	1.6	4.1	6.11
4,4'-DDD	ug/kg	156	103	66	0.086	24	1.33	0.47	1.3	2.6	5
4,4'-DDE	ug/kg	156	96	62	0.039	11	1.22	0.47	1.4	3.2	5.8
4,4'-DDT	ug/kg	153	87	57	0.13	239.5	4.04	0.69	2.3	5.3	9.5
Total DDD	ug/kg	156	108	69	0.086	144	2.90	0.61	2.41	4.7	8.2
Total DDE	ug/kg	156	98	63	0.039	11	1.45	0.53	1.4	3.3	6
Total DDT	ug/kg	156	102	65	0.045	254	5.19	0.99	3.8	8.9	13.2
Total DDx	ug/kg	156	122	78	0.047	301	8.90	2.34	8.24	15.6	26.2
Aldrin	ug/kg	156	24	15	0.0735	1.7	0.12	0.0435	0.11	0.255	0.5
alpha-Endosulfan	ug/kg	156	26	17	0.04	0.83	0.13	0.075	0.125	0.28	0.59
alpha-Hexachlorocyclohexane	ug/kg	156	8	5	0.055	0.3	0.06	0.0235	0.0485	0.185	0.2
beta-Endosulfan	ug/kg	156	23	15	0.091	3.403	0.22	0.1	0.17	0.42	0.9
beta-Hexachlorocyclohexane	ug/kg	156	14	9	0.076	3.1	0.14	0.045	0.12	0.25	0.43
cis-Chlordane	ug/kg	156	31	20	0.055	1.9	0.25	0.06	0.165	0.375	0.82
cis-Nonachlor	ug/kg	156	8	5	0.16	3.4	1.13	0.155	0.55	1	2.15
delta-Hexachlorocyclohexane	ug/kg	156	4	3	0.099	0.44	0.10	0.019	0.0469	0.1	0.175
Dieldrin	ug/kg	156	13	8	0.042	7.45	0.25	0.047	0.175	0.26	0.45
Endosulfan sulfate	ug/kg	156	6	4	0.11	0.67	0.13	0.06	0.11	0.29	0.405
Endrin	ug/kg	153	10	7	0.051	7.7	0.19	0.037	0.145	0.34	0.55

**Table 6-6c**  
**Summary Statistics for Surface and Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
Endrin aldehyde	ug/kg	156	11	7	0.147	2.1	0.22	0.04	0.13	0.37	0.55
Endrin ketone	ug/kg	156	18	12	0.062	31.22	0.78	0.1	0.235	0.8	1.2
gamma-Hexachlorocyclohexane	ug/kg	156	26	17	0.059	1.5	0.17	0.09	0.115	0.46	0.68
Heptachlor	ug/kg	156	6	4	0.092	0.52	0.06	0.035	0.06	0.095	0.165
Heptachlor epoxide	ug/kg	156	9	6	0.058	68	0.56	0.095	0.12	0.25	0.35
Methoxychlor	ug/kg	156	7	4	0.21	21	0.40	0.105	0.21	0.45	0.61
Mirex	ug/kg	156	3	2	0.13	0.74	0.05	0.0245	0.06	0.08	0.11
Oxychlorane	ug/kg	156	14	9	0.11	4.3	0.17	0.095	0.215	0.28	0.37
Total Chlordanes	ug/kg	156	104	67	0.039	15.9	1.20	0.42	1.2	2.93	4.3
Total Endosulfans	ug/kg	136	45	33	0.04	3.40	0.31	0.11	0.33	0.7	1
Toxaphene	ug/kg	156	0	0			19.07	8	13.5	27	55
trans-Chlordane	ug/kg	156	87	56	0.045	15	1.08	0.21	0.81	1.8	3.8
trans-Nonachlor	ug/kg	156	28	18	0.039	1	0.13	0.065	0.11	0.29	0.43
<b>Petroleum</b>											
Gasoline Range Hydrocarbons	mg/kg	21	4	19	1.2	55	4.71	0.455	1.4	1.85	29
Diesel Range Hydrocarbons	mg/kg	30	22	73	1.9	1300	150.77	2.7	41	510	975
Diesel Range Hydrocarbons (silica gel treated)	mg/kg	118	106	90	1.9	1200	118.33	42	130	320	490
Residual Range Hydrocarbons	mg/kg	30	20	67	3.6	2700	343.33	35	240	1350	1800
Residual Range Hydrocarbons (silica gel treated)	mg/kg	118	111	94	4.9	2300	327.58	200	370	895	1200
Total Petroleum Hydrocarbons	mg/kg	30	25	83	1.9	4000	496	38	280	2330	2400
Total Petroleum Hydrocarbons (silica gel treated)	mg/kg	118	110	93	4.9	3500	446	236	507	1150	1640
<b>Phenols</b>											
2,3,4,5-Tetrachlorophenol	ug/kg	144	0	0			1.94	2.1	2.5	2.8	3.05
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	3	0	0			0.67	0.28	0.28	1.45	1.45
2,3,5,6-Tetrachlorophenol	ug/kg	141	2	1	0.78	3.2	2.34	2.6	3.05	3.4	3.75
2,4,5-Trichlorophenol	ug/kg	144	2	1	4.1	5.1	1.81	1.85	2.2	2.55	2.75
2,4,6-Trichlorophenol	ug/kg	144	2	1	1.3	2.1	1.72	1.9	2.2	2.5	2.75
2,4-Dichlorophenol	ug/kg	153	0	0			1.56	0.5	1.2	2.5	2.5
2,4-Dimethylphenol	ug/kg	72	1	1	6.7	6.7	6.58	2.8	4.15	14	14
2,4-Dinitrophenol	ug/kg	152	0	0			24.41	8.5	23.5	42.5	42.5
2-Chlorophenol	ug/kg	153	0	0			2.90	1	1.25	5	5
2-Methylphenol	ug/kg	153	3	2	6.9	24	2.63	0.75	2.4	3.75	7.5
2-Nitrophenol	ug/kg	153	0	0			2.32	0.75	1.75	3.75	3.75
3,4-Dichlorophenol	ug/kg	2	0	0			4.47				
3,5-Dichlorophenol	ug/kg	2	0	0			4.53				
4,6-Dinitro-2-methylphenol	ug/kg	153	0	0			2.09	0.7	1.25	3.5	3.5
4-Chloro-3-methylphenol	ug/kg	153	4	3	1.8	5.2	2.19	0.7	1.5	3.5	3.55
4-Methylphenol	ug/kg	153	66	43	1.6	360	25.16	2.25	17	64	120
4-Nitrophenol	ug/kg	153	0	0			27.46	9	19.5	45	45
Pentachlorophenol	ug/kg	144	15	10	0.24	890	12.72	2.5	3	3.8	26
Phenol	ug/kg	153	59	39	2.2	80	7.81	3.8	8	21	27
<b>Phthalates</b>											
Bis(2-ethylhexyl)phthalate	ug/kg	156	118	76	2.5	18000	271.73	35	140	390	590
Butylbenzyl phthalate	ug/kg	156	38	24	2.9	580	14.70	1.6	8	18	37
Dibutyl phthalate	ug/kg	156	78	50	3.6	130	15.94	8.4	13	20	39.5
Diethyl phthalate	ug/kg	156	40	26	1.3	15	2.99	1.85	2.7	3.7	6.5



**Table 6-6c**  
**Summary Statistics for Surface and Subsurface Sediment Samples**

Analyte	Units	Number Analyzed	Number Detected	Percent Detected	Detected Concentrations		Mean	Percentile Concentration (Non-Detected and Detected)			
					Minimum	Maximum		50th	75th	90th	95th
Dimethyl phthalate	ug/kg	156	19	12	1.7	470	15.55	0.5	1.6	17	81
Di-n-octyl phthalate	ug/kg	156	5	3	6.2	27	2.82	0.85	0.95	4.25	8.5
<b>SVOCs</b>											
1,2,4-Trichlorobenzene	ug/kg	156	0	0			3.57	1.3	1.3	6.5	6.5
1,2-Dichlorobenzene	ug/kg	156	0	0			4.03	1.45	1.45	7.5	7.5
1,3-Dichlorobenzene	ug/kg	156	0	0			4.11	1.5	1.5	7.5	7.5
1,4-Dichlorobenzene	ug/kg	157	26	17	3	315	9.86	1.45	4.1	15	36
2,4-Dinitrotoluene	ug/kg	156	0	0			2.27	0.75	1.85	3.75	3.75
2,6-Dinitrotoluene	ug/kg	156	0	0			2.93	1	2	5	5
2-Chloronaphthalene	ug/kg	156	2	1	20	120	3.11	0.8	2.35	4	4
2-Nitroaniline	ug/kg	156	0	0			4.49	1.6	1.95	8	8
3,3'-Dichlorobenzidine	ug/kg	154	1	1	5.1	5.1	5.51	1.85	2.75	9.5	9.5
3-Nitroaniline	ug/kg	156	0	0			3.64	1.25	1.85	6.5	6.5
4-Bromophenyl phenyl ether	ug/kg	156	0	0			2.25	0.8	1	4	4
4-Chloroaniline	ug/kg	154	1	1	15	15	2.81	0.95	1.5	4.75	4.75
4-Chlorophenyl phenyl ether	ug/kg	156	0	0			2.05	0.7	1.4	3.5	3.5
4-Nitroaniline	ug/kg	156	0	0			2.73	0.9	2.2	4.5	4.5
Aniline	ug/kg	145	12	8	4.5	64	3.32	0.75	1.35	5.8	15
Azobenzene	ug/kg	156	0	0			1.70	0.55	1.55	2.75	2.75
Benzoic acid	ug/kg	141	10	7	100	3400	172.93	48	80	240	480
Benzyl alcohol	ug/kg	156	54	35	2.4	1800	22.91	2.1	5.8	24	55
Bis(2-chloroethoxy) methane	ug/kg	156	0	0			2.11	0.75	0.95	3.75	3.75
Bis(2-chloroethyl) ether	ug/kg	156	0	0			2.75	0.95	1.7	4.75	4.75
Bis(2-chloroisopropyl) ether	ug/kg	156	0	0			3.54	1.3	1.3	6.5	6.5
Carbazole	ug/kg	156	72	46	1.4	1700	22.07	1.5	6.3	18	32.5
Dibenzofuran	ug/kg	156	105	67	0.29	2400	27.31	1.8	6.75	22	51
Hexachlorobenzene	ug/kg	156	48	31	0.096	1.9	0.20	0.06	0.21	0.41	0.64
Hexachlorobutadiene	ug/kg	156	7	4	0.065	0.35	0.11	0.0325	0.09	0.35	0.37
Hexachlorocyclopentadiene	ug/kg	155	0	0			35.89	14.5	14.5	75	75
Hexachloroethane	ug/kg	156	1	1	0.79	0.79	0.12	0.0395	0.065	0.23	0.5
Isophorone	ug/kg	156	2	1	3.9	3.9	1.52	0.5	1.05	2.5	2.55
Nitrobenzene	ug/kg	156	0	0			3.10	1.1	1.45	5.5	5.5
N-Nitrosodimethylamine	ug/kg	156	0	0			8.74	3.05	4.35	15.5	15.5
N-Nitrosodiphenylamine	ug/kg	156	3	2	1.8	9.7	2.42	0.8	1.6	4	4.05
N-Nitrosodipropylamine	ug/kg	156	0	0			3.49	1.2	2.3	6	6