

**Table 1
TOPS
Metals**

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
Unfiltered Metals													
Aluminum, Total	ug/L	890	830	NA	NA	50 U	860	610	410	490	630	1,500	130
Antimony, Total	ug/L	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.8
Arsenic, Total	ug/L	1.9 K	2.1 K	NA	NA	1.6 K	1.8 K	1.0 U	1.1 K	1.0 UJ	1.0 K	1.7 K	1.0 U
Barium, Total	ug/L	42	39	NA	NA	37	37	33	29	33 J	36	46	30 K
Beryllium, Total	ug/L	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Cadmium, Total	ug/L	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chromium, Total	ug/L	6.7	6.5	NA	NA	5.2	7.5	6.5	3.6	5.4 J	5.6	15	1.8 K
Cobalt, Total	ug/L	1.5 K	1.3 K	NA	NA	1.2 K	1.3 K	1.2 K	1.0 U	1.1 J	1.2 K	1.9 K	1.0 U
Copper, Total	ug/L	17	14	NA	NA	12	15	9.7	6.6	8.7 J	11	24	4.0
Iron, Total	ug/L	2,200	1,500	NA	NA	1,200	2,000	770	510	440	970	3,100	320
Lead, Total	ug/L	21	17	NA	NA	15	18	9.5	5.1	8.0	12	29	1.9
Manganese, Total	ug/L	140	110	NA	NA	100	99	87	71	80	88	120	56 K
Mercury, Total	ng/L	21	18	8.9	12	9.2	16	11	14	20	NA	NA	35
Molybdenum, Total	ug/L	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	2.5	2.2	2.3 J	1.0 U	1.8	1.6
Nickel, Total	ug/L	3.5	3.1	NA	NA	2.6	3.9	3.0	2.5	2.6 J	2.6	6.4	1.9
Selenium, Total	ug/L	2.1 K	3.3 K	NA	NA	2.5 K	2.8 K	1.0 U	1.8 K	1.0 UJ	1.0 U	1.9 K	1.0 U
Silver, Total	ug/L	1.0 L	1.1 L	NA	NA	1.1 L	1.1 L	1.1 L	1.0 L	1.1 J	1.0 L	1.2 L	1.0 UL
Thallium, Total	ug/L	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Vanadium, Total	ug/L	4.7	8.8	NA	NA	3.9	5.4	9.2	9.2	7.1 J	6.3	12	5.5 K
Zinc, Total	ug/L	51	38	NA	NA	38	42	22	31	23	31	60	8.7 K
Dissolved Metals													
Aluminum, Dissolved	ug/L	20	NA	NA	NA	NA	21	NA	NA	20	22	25	NA
Antimony, Dissolved	ug/L	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.2	NA
Arsenic, Dissolved	ug/L	1.1	NA	NA	NA	NA	1.0 U	NA	NA	1.0 U	3.9 U	1.3 K	NA
Barium, Dissolved	ug/L	22	NA	NA	NA	NA	18	NA	NA	39	31	46	NA
Beryllium, Dissolved	ug/L	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	NA
Cadmium, Dissolved	ug/L	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	NA
Chromium, Dissolved	ug/L	1.1	NA	NA	NA	NA	1.0 U	NA	NA	4.5	3.5	3.7	NA
Cobalt, Dissolved	ug/L	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	NA
Copper, Dissolved	ug/L	3.2	NA	NA	NA	NA	2.4	NA	NA	3.4	3.6	3.3	NA
Iron, Dissolved	ug/L	150	NA	NA	NA	NA	150	NA	NA	140	100 U	170	NA
Lead, Dissolved	ug/L	0.85	NA	NA	NA	NA	0.89	NA	NA	0.79	0.73	0.97	NA
Manganese, Dissolved	ug/L	51	NA	NA	NA	NA	36	NA	NA	48	54	44	NA
Mercury, Dissolved	ng/L	NA	4.2	NA	NA	NA	NA	2.6	2.6	3.4	NA	NA	NA
Molybdenum, Dissolved	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5	NA
Molybdenum, Dissolved	ug/L	1.3	NA	NA	NA	NA	1.0 U	NA	NA	2.5	3.7	NA	NA
Nickel, Dissolved	ug/L	1.1	NA	NA	NA	NA	1.0	NA	NA	1.6	2.3	1.4	NA
Selenium, Dissolved	ug/L	1.5 K	NA	NA	NA	NA	1.0 U	NA	NA	1.5 K	8.0 U	3.5 K	NA
Silver, Dissolved	ug/L	1.0 UL	NA	NA	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	NA
Thallium, Dissolved	ug/L	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	NA
Vanadium, Dissolved	ug/L	5.5	NA	NA	NA	NA	3.4	NA	NA	8.3	6.0	13	NA
Zinc, Dissolved	ug/L	7.6	NA	NA	NA	NA	5.7	NA	NA	7.8	9.6	20	NA

Notes:

1. Samples were analyzed by USEPA Region 2 DESA laboratory, except mercury by STL-Canton Ohio.
2. Metals analyzed by ICP-MS, except mercury by EPA 1631E.
3. Results reported by EPA DESA laboratory are considered EPA-validated.
4. Qualifiers
 - U Not detected; value is reporting limit
 - K Estimated value; possible high bias
 - L Estimated value; possible low bias
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

**Table 1
TOPS
Metals**

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
Unfiltered Metals											
Aluminum, Total	ug/L	740	390	420	NA	470	780	600	1,200	850	510
Antimony, Total	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Arsenic, Total	ug/L	4.3 K	4.7 K	3.1 U	NA	6.2 K	1.7 K	1.4 K	1.7 K	1.3 U	3.6 U
Barium, Total	ug/L	32 K	31 K	35 K	NA	34 K	42	37	43	36	35
Beryllium, Total	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium, Total	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chromium, Total	ug/L	4.1 K	3.4 K	4.6 K	NA	4.7 K	8.3	7.0	10	8.8	5.8
Cobalt, Total	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.4 K	1.2 K	1.6 K	1.5 K	1.2 K
Copper, Total	ug/L	7.4	7.2	13	NA	8.9	16	12	19	13	8.9
Iron, Total	ug/L	940	660	840	NA	840	1,200	1,600	1,600	630 K	870
Lead, Total	ug/L	5.7	4.1	12	NA	6.7	18	12	32	13	7.7
Manganese, Total	ug/L	56 K	61 K	88 K	NA	74 K	110	97	120	110	98
Mercury, Total	ng/L	14	27	15	12	16	23	24	88	130	10
Molybdenum, Total	ug/L	1.1	1.6	3.6	NA	2.7	1.1	1.2	1.6	3.6	3.7
Nickel, Total	ug/L	3.0	3.3	5.0	NA	3.7	3.6	2.9	4.5	4.3	3.2
Selenium, Total	ug/L	9.1 K	8.0 U	8.0 U	NA	8.0 U	2.7 K	1.5 K	8.0 U	2.1 K	8.0 U
Silver, Total	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.1 L	1.1 L	1.1 L	1.1 L	1.1 L
Thallium, Total	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium, Total	ug/L	5.4 K	4.6 K	6.8 K	NA	7.8 K	7.8	5.2	11	12	8.9
Zinc, Total	ug/L	29 K	15 K	29 K	NA	30 K	42	31	50	28	21
Dissolved Metals											
Aluminum, Dissolved	ug/L	20 K	28	27 K	NA	37	NA	22	NA	NA	16
Antimony, Dissolved	ug/L	1.0 U	1.0 U	1.0 U	NA	1.5	NA	1.0	NA	NA	1.2
Arsenic, Dissolved	ug/L	4.2 K	1.0 U	5.2 K	NA	1.2 U	NA	1.4 K	NA	NA	4.4 U
Barium, Dissolved	ug/L	31 K	35	35 K	NA	46	NA	35	NA	NA	32
Beryllium, Dissolved	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	1.0 U
Cadmium, Dissolved	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	1.0 U
Chromium, Dissolved	ug/L	1.4 K	6.0	4.2 K	NA	8.5	NA	3.4	NA	NA	3.4
Cobalt, Dissolved	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	1.0 U
Copper, Dissolved	ug/L	4.2	3.8	5.8	NA	5.1	NA	3.3	NA	NA	4.0
Iron, Dissolved	ug/L	530	180	110	NA	190	NA	180	NA	NA	100 U
Lead, Dissolved	ug/L	0.52	0.61	0.50 U	NA	0.54	NA	0.60	NA	NA	0.83
Manganese, Dissolved	ug/L	52 K	44	63 K	NA	54	NA	74	NA	NA	78
Mercury, Dissolved	ng/L	2.5	2.7	1.6	1.5	NA	NA	2.3	NA	NA	NA
Molybdenum, Dissolved	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Dissolved	ug/L	1.3	1.6	3.5	NA	3.3	NA	1.3	NA	NA	3.8
Nickel, Dissolved	ug/L	2.4	1.5	3.3	NA	2.3	NA	1.3	NA	NA	2.3
Selenium, Dissolved	ug/L	1.1 U	2.1 U	8.0 U	NA	7.6 U	NA	2.6 K	NA	NA	8.0 U
Silver, Dissolved	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 UL	NA	NA	1.0 U
Thallium, Dissolved	ug/L	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	1.0 U
Vanadium, Dissolved	ug/L	3.9 K	4.0	5.8 K	NA	6.7	NA	4.6	NA	NA	5.2
Zinc, Dissolved	ug/L	15 K	7.4	8.2 K	NA	11	NA	9.0	NA	NA	9.3

Notes:

1. Samples were analyzed by USEPA Region 2 DESA laboratory, except mercury by STL-Canton Ohio.
2. Metals analyzed by ICP-MS, except mercury by EPA 1631E.
3. Results reported by EPA DESA laboratory are considered EPA-validated.
4. Qualifiers
 - U Not detected; value is reporting limit
 - K Estimated value; possible high bias
 - L Estimated value; possible low bias
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

Table 2
TOPS
GFF - PCDD/DFs (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF - PCDD/DFs													
2,3,7,8-TCDD	pg/L	NA	17 BD	6.2	3.5	40 D	27 D	8.3 D	4.1	10.0 D	NA	14 D	NA
2,3,7,8-TCDF	pg/L	NA	0.83 D	0.47	0.27	1.1 D	2.2	0.50 D	0.40	0.60 D	NA	1.0 D	NA
1,2,3,7,8-PeCDD	pg/L	NA	0.33 JD	0.15 J	0.079 J	0.47 JD	10 D	0.19 JD	0.11 J	0.23 JD	NA	0.37 JD	NA
1,2,3,7,8-PeCDF	pg/L	NA	0.42 JD	0.27 J	0.12 J	0.71 JD	1.9 JD	0.34 JD	0.20 J	0.36 JD	NA	0.61 JD	NA
2,3,4,7,8-PeCDF	pg/L	NA	0.95 JD	0.56	0.27 J	1.5 JD	2.6 JD	0.77 JD	0.41	0.86 JD	NA	1.3 JD	NA
1,2,3,4,7,8-HxCDD	pg/L	NA	0.41 JD	0.18 J	0.086 J	0.60 JD	4.5 D	0.20 JD	0.13 J	0.26 JD	NA	0.28 JD	NA
1,2,3,6,7,8-HxCDD	pg/L	NA	1.4 JD	0.81	0.34 J	2.1 JD	9.8 D	1.0 JD	0.60	1.5 JD	NA	1.7 JD	NA
1,2,3,7,8,9-HxCDD	pg/L	NA	0.96 JD	0.57	0.24 J	1.5 JD	18 D	0.69 JDEMPC	0.42	1.0 JDEMPC	NA	1.1 JD	NA
1,2,3,4,7,8-HxCDF	pg/L	NA	5.9 D	3.3	1.4	8.6 D	6.6 D	3.5 D	2.2	3.7 D	NA	6.6 D	NA
1,2,3,6,7,8-HxCDF	pg/L	NA	1.6 JD	0.82	0.37 J	2.2 JD	3.5 JD	0.93 JD	0.59	1.0 JD	NA	1.8 JD	NA
1,2,3,7,8,9-HxCDF	pg/L	NA	0.062 JD	0.022 J	0.013 U	0.074 JDEMPC	0.087 UD	0.032 JD	0.013 J	0.065 JDEMPC	NA	0.074 JD	NA
2,3,4,6,7,8-HxCDF	pg/L	NA	0.76 JD	0.42 J	0.20 J	1.1 JD	1.8 JD	0.45 JD	0.29	0.57 JD	NA	0.85 JD	NA
1,2,3,4,6,7,8-HpCDD	pg/L	NA	29 D	16	6.2	39 D	56 D	18 D	11	37 D	NA	27 D	NA
1,2,3,4,6,7,8-HpCDF	pg/L	NA	33 D	15	6.5	41 D	27 D	17 D	11	25 D	NA	29 D	NA
1,2,3,4,7,8,9-HpCDF	pg/L	NA	1.3 JD	0.57	0.24 J	1.5 JD	1.4 JD	0.55 JD	0.39	0.78 JD	NA	1.1 JD	NA
OCDF	pg/L	NA	52 D	27	9.5	72 D	34 D	28 D	16	38 D	NA	46 D	NA
OCDD	pg/L	NA	308 BD	195	63	423 D	378 D	204 D	128	373 D	NA	286 D	NA
Total Tetra-Dioxins	pg/L	NA	22 D	8.5 EMPC	4.9 EMPC	49 BD	98 D	12 D	5.4	15 D	NA	21 D	NA
Total Tetra-Furans	pg/L	NA	22 D	9.7 EMPC	5.8 EMPC	35 BD	57 D	15 D	6.8 EMPC	20 D	NA	29 D	NA
Total Penta-Dioxins	pg/L	NA	3.4 DEMPC	1.6	0.68 EMPC	5.7 D	147 D	2.3 DEMPC	1.1	3.2 DEMPC	NA	4.5 DEMPC	NA
Total Penta-Furans	pg/L	NA	22 D	10	5.1 EMPC	36 BD	67 D	16 D	7.1	20 D	NA	29 D	NA
Total Hexa-Dioxins	pg/L	NA	12 D	6.6	2.7	17 DEMPC	180 DEMPC	8.2 DEMPC	4.8	13 DEMPC	NA	13 DEMPC	NA
Total Hexa-Furans	pg/L	NA	26 D	13	5.7	39 DEMPC	51 DEMPC	15 D	9.2	18 DEMPC	NA	27 DEMPC	NA
Total Hepta-Dioxins	pg/L	NA	66 D	36	14	85 D	143 D	39 D	24	88 D	NA	59 D	NA
Total Hepta-Furans	pg/L	NA	48 D	23	9.6	60 D	43 D	25 D	16	40 D	NA	44 D	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown
 - EMPC Estimated Maximum Possible Concentration
 - B Also detected in Blank
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 2 cont.
TOPS
GFF - PCDD/DFs (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF - PCDD/DFs											
2,3,7,8-TCDD	pg/L	5.4	15	99 D	NA	13 D	64 D	12 BD	32 D	12 D	6.7 D
2,3,7,8-TCDF	pg/L	0.42	0.42	0.66 D	NA	0.70 D	0.94 D	0.69 D	2.2 D	0.70 D	0.46 D
1,2,3,7,8-PeCDD	pg/L	0.16 J	0.13 J	0.23 J	NA	0.30 JD	0.23 J	0.28 JD	0.79 JD	0.29 JD	0.20 JDEMPC
1,2,3,7,8-PeCDF	pg/L	0.20 J	0.23 J	0.38 J	NA	0.45 JD	0.64 JD	0.39 JD	1.5 JD	0.42 JDEMPC	0.33 JD
2,3,4,7,8-PeCDF	pg/L	0.49 J	0.55	0.84	NA	1.1 JD	1.3 JD	0.88 JD	3.2 JD	0.94 JD	0.72 JD
1,2,3,4,7,8-HxCDD	pg/L	0.14 J	0.15 J	0.25 J	NA	0.32 JDEMPC	0.41 JD	0.29 JD	0.92 JD	0.29 JD	0.22 JDEMPC
1,2,3,6,7,8-HxCDD	pg/L	0.74	0.61	1.1	NA	1.2 JD	1.7 JD	1.3 JD	3.8 JD	1.2 JD	0.93 JD
1,2,3,7,8,9-HxCDD	pg/L	0.49 J	0.42	0.72	NA	0.94 JD	1.3 JD	0.88 JD	2.8 JD	0.81 JD	0.64 JD
1,2,3,4,7,8-HxCDF	pg/L	2.9	2.8	4.7	NA	5.5 D	6.5 D	5.1 D	16 D	5.2 D	3.5 D
1,2,3,6,7,8-HxCDF	pg/L	0.76	0.73	1.2	NA	1.5 JD	1.8 JD	1.3 JD	4.3 JD	1.2 JD	0.84 JD
1,2,3,7,8,9-HxCDF	pg/L	0.022 J	0.029 J	0.034 J	NA	0.039 JD	0.049 JD	0.040 JD	0.13 JDEMPC	0.068 UD	0.054 JD
2,3,4,6,7,8-HxCDF	pg/L	0.37 J	0.32	0.63	NA	0.68 JD	0.84 JD	0.65 JD	1.8 JD	0.62 JD	0.42 JD
1,2,3,4,6,7,8-HpCDD	pg/L	12	12	20	NA	22 D	33 D	22 D	70 D	22 D	16 D
1,2,3,4,6,7,8-HpCDF	pg/L	14	13	22	NA	30 D	31 D	24 D	78 D	21 D	15 D
1,2,3,4,7,8,9-HpCDF	pg/L	0.52	0.48	0.80	NA	0.85 JD	1.1 JD	0.83 JD	2.8 JD	0.73 JD	0.58 JD
OCDF	pg/L	22	21	35	NA	39 D	39 D	49 D	147 D	32 D	24 D
OCDD	pg/L	134	136	205	NA	251 D	359 D	241 BD	760 D	272 D	184 D
Total Tetra-Dioxins	pg/L	7.0 EMPC	17	101 D	NA	19 D	71 D	18 BDEMPC	49 D	18 D	11 D
Total Tetra-Furans	pg/L	8.1 EMPC	11	14 EMPC	NA	21 D	30 D	22 BD	66 D	21 D	15 D
Total Penta-Dioxins	pg/L	1.4 EMPC	1.5 EMPC	2.2 EMPC	NA	3.6 DEMPC	4.3 DEMPC	3.5 DEMPC	9.6 DEMPC	3.5 DEMPC	2.4 DEMPC
Total Penta-Furans	pg/L	8.5	11	14	NA	21 D	30 D	21 BDEMPC	68 D	21 D	15 D
Total Hexa-Dioxins	pg/L	5.4 EMPC	5.3 EMPC	8.6	NA	10 DEMPC	14 D	10 D	31 D	9.3 DEMPC	7.8 DEMPC
Total Hexa-Furans	pg/L	11	12	18	NA	22 DEMPC	28 D	21 D	65 DEMPC	20 DEMPC	14 DEMPC
Total Hepta-Dioxins	pg/L	26	27	43	NA	49 D	72 D	48 D	157 D	48 D	38 D
Total Hepta-Furans	pg/L	20	19	32	NA	40 D	46 D	35 D	115 D	30 D	23 D

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown
 - EMPC Estimated Maximum Possible Concentration
 - B Also detected in Blank
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 3
TOPS
GFF - Pesticides (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF - Pesticides													
2,4'-DDD	ng/L	1.2	3.0 Q	0.33	0.21	3.0 Q	0.87 Q	0.87	0.66 Q	0.21 Q	NA	2.3 Q	NA
2,4'-DDE	ng/L	0.50	0.51	0.13	0.086	0.35	0.49	0.16	0.13	0.22	NA	0.33	NA
2,4'-DDT	ng/L	0.67	0.46	0.075	0.053 J	0.36	0.28	0.16	0.035	NA	NA	0.22	NA
4,4'-DDD	ng/L	4.7	12 Q	1.2	0.63	11 Q	2.3 Q	3.2	3.0 Q	0.76 Q	NA	6.6 Q	NA
4,4'-DDE	ng/L	3.9	3.2	1.0	0.56	2.8	3.0	1.2	0.85	1.6	NA	2.4	NA
4,4'-DDT	ng/L	3.2	1.4	0.37	0.24	0.95	0.73	0.32	0.11	NA	NA	0.56	NA
Aldrin	ng/L	0.20	0.085	0.028 U	0.015 J	0.090	0.054 J	0.032	0.017 J	0.049	NA	0.045 J	NA
Chlordane, alpha (cis)	ng/L	3.9	3.2	0.72	0.46	2.5	1.6	0.82	0.60	1.3	NA	1.5	NA
Chlordane, gamma (trans)	ng/L	3.4	2.8	0.66	0.41	2.1	1.5	0.74	0.54	1.1	NA	1.4	NA
Chlordane, oxy-	ng/L	0.15	0.12	0.023 J	0.015 J	0.067 Q	0.048 J	0.027	0.018 J	0.029 J	NA	0.035 J	NA
Dieldrin	ng/L	0.97	0.70	0.15	0.15	0.39	0.14	0.21	0.15	0.31	NA	0.33	NA
alpha-Endosulphan	ng/L	0.011 J	0.012	0.0032 U	0.0013 U	0.0065 U	0.0077 U	0.0056 U	0.0029 U	0.0042 U	NA	0.0029 U	NA
beta-Endosulphan	ng/L	0.018 J	0.022	0.0038 U	0.0022 U	0.011 U	0.0080 U	0.0030 U	0.00074 U	0.0058 J	NA	0.0065 U	NA
Endosulphan Sulfate	ng/L	0.047	0.033	0.010 J	0.0098 U	0.030 J	0.016	0.011 J	0.010	0.013 J	NA	0.013	NA
Endrin	ng/L	0.013 J	0.057	0.0022 J	0.0018 U	0.0047 J	0.0087 J	0.0025 J	0.0010 U	0.0037 J	NA	0.019	NA
Endrin Aldehyde	ng/L	0.0013 U	0.00054 U	0.00096 U	0.0040 U	0.00042 U	0.00044 U	0.00029 U	0.0012 U	0.00036 U	NA	0.00043 U	NA
Endrin Ketone	ng/L	0.0090 J	0.0054 J	0.0014 J	0.0033 U	0.0067 J	0.0034 U	0.0023 J	0.0055	0.0019 J	NA	0.0027 J	NA
HCH, alpha	ng/L	0.0085 U	0.011 J	0.0029 U	0.0021 U	0.0093 J	0.0084 U	0.0056 J	0.0035 J	0.0071 J	NA	0.0094 J	NA
HCH, beta	ng/L	0.022 J	0.017 J	0.0072 J	0.0061 U	0.015 U	0.011 J	0.0078 J	0.0052 J	0.0086 J	NA	0.011 J	NA
HCH, gamma (lindane)	ng/L	0.0088 J	0.0066 J	0.0027 J	0.0020 U	0.0091 J	0.0063 U	0.0033 J	0.0017 J	0.0040 J	NA	0.0070 J	NA
Heptachlor	ng/L	0.083	0.053	0.0081 J	0.0063 U	0.073	0.024 U	0.012 J	0.0055 J	0.023	NA	0.019 J	NA
Heptachlor Epoxide	ng/L	0.37	0.51	0.041	0.054	0.18	0.048	0.060	0.051	0.096	NA	0.12	NA
Hexachlorobenzene	ng/L	0.35	0.37	0.12	0.061	0.20	0.18	0.088	0.065	0.12	NA	0.16	NA
Methoxychlor	ng/L	0.053	0.018	0.011 J	0.011	0.029 JQ	0.012 U	0.0077 JQ	0.0035 U	0.0019 U	NA	0.011	NA
Mirex	ng/L	0.051	0.036	0.014 J	0.0079 J	0.048	0.040 J	0.022	0.017 J	0.017	NA	0.020 J	NA
Nonachlor, cis-	ng/L	1.0	0.69	0.24	0.13	0.69	0.40	0.26	0.16	0.36	NA	0.39	NA
Nonachlor, trans-	ng/L	2.5	2.0	0.51	0.28	1.5	1.1	0.56	0.39	0.84	NA	0.94	NA
Total Toxaphene	ng/L	13 U	2.9 U	0.88 U	4.3 U	3.8 U	8.0 U	1.1 U	2.8 U	5.8 U	NA	3.8 U	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

Table 3 cont.
TOPS
GFF - Pesticides (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF - Pesticides											
2,4'-DDD	ng/L	0.35	0.43 Q	0.42	NA	1.0 Q	0.86	0.71 Q	2.3 Q	0.32	2.8
2,4'-DDE	ng/L	0.11	0.13	0.19	NA	0.24	0.32	0.24	0.72	0.14	0.16
2,4'-DDT	ng/L	0.062	0.062	0.074	NA	0.15	0.074	0.095	0.35	0.074	0.14
4,4'-DDD	ng/L	1.4	1.5 Q	1.5	NA	3.4 Q	2.9	2.5 Q	8.9 Q	0.98	9.1
4,4'-DDE	ng/L	0.87	0.89	1.4	NA	1.7	2.4	1.8	5.2	0.91	1.2
4,4'-DDT	ng/L	0.43	0.61	0.34	NA	0.56	0.97	0.41	4.2	0.48	0.30
Aldrin	ng/L	0.023 J	0.016 J	0.033 J	NA	0.040 J	0.066	0.035 J	0.14	0.016 J	0.033
Chlordane, alpha (cis)	ng/L	0.57	0.62	0.95	NA	1.1	2.7	1.1	4.4	0.84	1.1
Chlordane, gamma (trans)	ng/L	0.52	0.57	0.82	NA	1.0	3.5	2.9	5.0	0.96	1.2
Chlordane, oxy-	ng/L	0.015 J	0.019 J	0.024 J	NA	0.024 J	0.044	0.036 J	0.085	0.024 J	0.022 J
Dieldrin	ng/L	0.14	0.13	0.20	NA	0.21	0.47	0.31	0.82	0.32	0.18
alpha-Endosulphan	ng/L	0.0047 U	0.0013 U	0.0028 U	NA	0.0021 U	0.0071 U	0.0035 U	0.012 U	0.0023 U	0.0023 U
beta-Endosulphan	ng/L	0.0028 U	0.0024 U	0.0024 U	NA	0.0050 U	0.0088 U	0.0098 U	0.013 U	0.0043 U	0.0036 U
Endosulphan Sulfate	ng/L	0.0098 J	0.0083	0.012 J	NA	0.012	0.020 J	0.013	0.039 J	0.013 J	0.0095 J
Endrin	ng/L	0.0020 JQ	0.0092	0.0029 J	NA	0.013	0.0064 J	0.018	0.013 J	0.026 J	0.0030 J
Endrin Aldehyde	ng/L	0.00045 JQ	0.00020 U	0.00027 U	NA	0.00035 U	0.00052 U	0.00043 U	0.00062 U	0.0012 U	0.00059 U
Endrin Ketone	ng/L	0.0017 J	0.0021 J	0.0024 J	NA	0.0024 J	0.0053 J	0.0028 J	0.0085 J	0.0077 J	0.0018 J
HCH, alpha	ng/L	0.0029 J	0.0039 J	0.0055 J	NA	0.0075 J	0.0075 J	0.0054 J	0.022 J	0.0051 J	0.0042 J
HCH, beta	ng/L	0.0054 J	0.0075 J	0.0078 J	NA	0.012 J	0.013 J	0.0087 J	0.032 J	0.010 J	0.0067 J
HCH, gamma (lindane)	ng/L	0.0033 J	0.0072 J	0.0040 J	NA	0.0047 J	0.0085 J	0.0040 J	0.016 J	0.0042 J	0.0074 J
Heptachlor	ng/L	0.0076 J	0.0086 J	0.012 J	NA	0.015 J	2.8	2.4	3.1	0.72	0.36
Heptachlor Epoxide	ng/L	0.037 J	0.046	0.051	NA	0.072	0.17	0.15	0.27	0.13	0.057
Hexachlorobenzene	ng/L	0.075	0.079	0.12	NA	0.15	0.17	0.13	0.57	0.12	0.11
Methoxychlor	ng/L	0.0086 JQ	0.0087	0.016 JQ	NA	0.011	0.024 JQ	0.0094	0.048 JQ	0.029 J	0.011 J
Mirex	ng/L	0.011 J	0.012 J	0.019	NA	0.021 J	0.027	0.00082 U	0.053	0.011 J	0.013
Nonachlor, cis-	ng/L	0.19	0.17	0.29	NA	0.31	0.70	0.55	1.2	0.22	0.28
Nonachlor, trans-	ng/L	0.38	0.41	0.59	NA	0.74	1.8	1.4	2.8	0.53	0.72
Total Toxaphene	ng/L	1.7 U	2.7 U	4.1 U	NA	4.6 U	3.2 U	1.8 U	3.1 U	3.7 U	1.6 U

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

Table 4
TOPS
GFF - PCBs-Homologs (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	08:00-11:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF - PCBs - Homologs													
Total Monochlorobiphenyls	pg/L	142	120	52	44	112	206	66	46	77	NA	126	NA
Total Dichlorobiphenyls	pg/L	1,885	1,695	720	607	1,551	2,367	900	669	1,003	NA	2,008	NA
Total Trichlorobiphenyls	pg/L	7,051	7,233	2,485	1,898	6,291	9,916	3,206	2,493	3,932	NA	8,960	NA
Total Tetrachlorobiphenyls	pg/L	18,979	16,035	5,479	3,474	14,835	20,181	6,876	4,876	8,715	NA	15,796	NA
Total Pentachlorobiphenyls	pg/L	15,609	12,821	4,400	2,454	12,542	16,201	5,468	3,837	7,322	NA	11,083	NA
Total Hexachlorobiphenyls	pg/L	12,682	10,371	3,520	1,769	11,935	12,919	4,388	2,943	5,571	NA	8,323	NA
Total Heptachlorobiphenyls	pg/L	7,317	5,587	2,066	975	8,159	6,438	2,459	1,673	3,215	NA	4,544	NA
Total Octachlorobiphenyls	pg/L	2,421	1,902	604	303	2,515	1,948	769	545	1,019	NA	1,431	NA
Total Nonachlorobiphenyls	pg/L	506	455	156	73	463	471	182	136	256	NA	316	NA
Decachlorobiphenyl	pg/L	310	264	96	38	252	221	109	106	142	NA	172	NA
Total Polychlorobiphenyls	pg/L	66,959	56,640	19,586	11,623	58,597	70,530	24,427	17,340	31,277	NA	52,654	NA

Table 4 cont.

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Lab	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF - PCBs - Homologs											
Total Monochlorobiphenyls	pg/L	44	48	81	NA	96	109	61	264	147	67
Total Dichlorobiphenyls	pg/L	635	666	1,123	NA	1,327	1,530	1,217	3,742	1,760	899
Total Trichlorobiphenyls	pg/L	2,126	2,621	3,906	NA	5,960	5,978	4,787	13,449	5,931	3,093
Total Tetrachlorobiphenyls	pg/L	4,513	5,094	8,119	NA	10,362	13,534	10,253	30,375	11,141	6,632
Total Pentachlorobiphenyls	pg/L	3,765	3,870	6,676	NA	7,552	10,665	6,362	23,513	8,102	5,112
Total Hexachlorobiphenyls	pg/L	3,125	2,964	5,097	NA	5,655	9,469	6,084	19,396	6,172	4,270
Total Heptachlorobiphenyls	pg/L	1,665	1,190	2,882	NA	3,136	5,308	3,428	10,064	3,070	2,287
Total Octachlorobiphenyls	pg/L	543	539	875	NA	1,033	1,669	877	3,193	1,044	751
Total Nonachlorobiphenyls	pg/L	136	138	209	NA	246	360	201	725	269	200
Decachlorobiphenyl	pg/L	71	78	129	NA	146	271	93	433	157	102
Total Polychlorobiphenyls	pg/L	16,650	17,193	29,138	NA	35,557	48,780	33,354	105,215	37,790	23,423

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers

NA Not Analyzed

Table 5
TOPS
GFF - PCBs-Congeners (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I			
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver		
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005		
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330		
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13		
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb		
Analyte	Units													
GFF - PCBs														
PCB-1	pg/L	53	46	22	20	41	52 J	28	20		32 D	NA	44	NA
PCB-2	pg/L	22	19	6.9	6.4	17	65	9.4	7.2		11 D	NA	21	NA
PCB-3	pg/L	67	55	22	18	53	88	29	19		34	NA	61	NA
PCB-4	pg/L	118	123	54	50	105	163 J	67	53		68	NA	139	NA
PCB-5	pg/L	3.9	2.9	1.1	0.85	3.1	7.8	1.3	1.0		2.1	NA	4.2	NA
PCB-6	pg/L	76	75	28	28	64	99	37	30		44	NA	98	NA
PCB-7	pg/L	9.8	9.1	2.9	2.8	8.2	19	4.2	3.2		5.7	NA	14	NA
PCB-8	pg/L	286	277	96	96	233	361	129	104		158	NA	352	NA
PCB-9	pg/L	13	12	4.0	3.8	11	24	5.5	4.3		7.3	NA	18	NA
PCB-10	pg/L	7.9	7.6	3.4	3.2	6.1	7.3	4.0	3.2		4.5	NA	8.3	NA
PCB-11	pg/L	419	350	127	107	336	637	176	132		214	NA	522	NA
PCB-12/13	pg/L	118 C	106 C	50 C	45 C	94 C	214 C	63 C	48 C		62 C	NA	138 C	NA
PCB-14	pg/L	0.42 J	0.37 J	0.15 J	0.14 J	0.35 J	1.5	0.18 QJ	0.15 QJ		0.23 J	NA	0.42 J	NA
PCB-15	pg/L	834	731	354	269	688	838	416	291		438	NA	713	NA
PCB-16	pg/L	231	250	68	62	217	340	94	73		130	NA	310	NA
PCB-17	pg/L	331	367	104	95	301	487	141	115		183	NA	463	NA
PCB-18/30	pg/L	572 C	612 C	167 C	150 C	501 C	768 C	224 C	178 C		310 C	NA	752 C	NA
PCB-19	pg/L	115	91	33	24	84	117	44	27		50	NA	90	NA
PCB-20/28	pg/L	2,022 CD	2,155 CD	720 C	535 C	1,713 CD	2,793 CD	940 CD	767 CD		1,086 CD	NA	2,586 CD	NA
PCB-21/33	pg/L	392 C	387 C	139 C	112 C	405 C	678 C	180 C	150 C		235 C	NA	594 C	NA
PCB-22	pg/L	415	425	159	128	415	659	202	163		251	NA	561	NA
PCB-23	pg/L	0.65	0.59	0.24 J	0.13 QJ	0.79	1.7	0.29 J	0.24 QJ		0.41	NA	0.82	NA
PCB-24	pg/L	9.7	8.5	2.7	2.0	6.6	13	2.6	2.3		4.8	NA	11	NA
PCB-25	pg/L	168	176	70	54	166	265	91	70		101	NA	241	NA
PCB-26/29	pg/L	281 C	297 C	114 C	89 C	271 C	429 C	143 C	114 C		164 C	NA	354 C	NA
PCB-27	pg/L	85	87	25	22	63	91	32	25		39	NA	79	NA
PCB-31	pg/L	1,228 D	1,370 D	449	349	1,119	2,018 D	586 D	462		720 D	NA	1,881 D	NA
PCB-32	pg/L	287	294	97	81	240	328	126	95		177 D	NA	328	NA
PCB-34	pg/L	7.1	7.6	2.9	2.3	7.3	13	3.8	3.0		4.6	NA	11	NA
PCB-35	pg/L	86	58	27	17	74	151	31	23		45	NA	72	NA
PCB-36	pg/L	1.6	0.079 U	0.65	0.31 QCJ	1.2	0.088 U	0.70	0.044 U		0.84	NA	0.19 U	NA
PCB-37	pg/L	789	628	300	173	695	775	360	220		422	NA	603	NA
PCB-38	pg/L	1.8	0.44 Q	0.64	0.082 J	1.5	1.5	0.66	0.12 QJ		0.85	NA	0.22 QJ	NA
PCB-39	pg/L	14	11	4.7	3.1	11	18	5.3	4.1		6.2	NA	12	NA
PCB-40/41/71	pg/L	1,366 C	1,106 C	365 C	245 C	971 C	1,306 C	462 C	323 C		585 C	NA	1,032 C	NA
PCB-42	pg/L	687	563	186	119	493	656	239	161		302	NA	552	NA
PCB-43	pg/L	94	78	23	16	64	92	30	22		38	NA	72	NA
PCB-44/47/65	pg/L	2,585 CD	2,181 CD	742 C	484 C	2,050 CD	2,814 CD	936 CD	681 C		1,202 CD	NA	2,200 CD	NA
PCB-45/51	pg/L	754 C	658 C	174 C	122 C	548 C	747 C	231 C	160 C		323 C	NA	548 C	NA
PCB-46	pg/L	135	114	31	22	90	132	41	28		55	NA	105	NA
PCB-48	pg/L	404	354	101	68	293	433	132	97		177	NA	359	NA
PCB-49/69	pg/L	1,561 CD	1,332 CD	462 C	296 C	1,247 C	1,725 CD	596 C	421 C		744 CD	NA	1,346 C	NA
PCB-50/53	pg/L	433 C	382 C	98 C	72 C	298 C	429 C	129 C	94 C		175 C	NA	318 C	NA
PCB-52	pg/L	2,191 D	1,902 D	617	397	1,679	2,374 D	792 D	565		1,027 D	NA	1,919 D	NA
PCB-54	pg/L	52	43	13	8.9	43	57	17	11		23	NA	35	NA
PCB-55	pg/L	26	0.19 U	8.7	0.32 U	22	0.52 U	9.7	0.11 U		11	NA	0.22 U	NA
PCB-56	pg/L	1,015	781	319	194	809	992	386	256		466	NA	781	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - C Co-elution of congeners
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 5
TOPS
GFF - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF - PCBs											
PCB-1	pg/L	18	20	33	NA	41	42	32	102	62	30
PCB-2	pg/L	6.5	6.7	12	NA	14	16	8.8	41	22	9.0
PCB-3	pg/L	20	22	35	NA	41	51	20	121	63	27
PCB-4	pg/L	43	51	77	NA	99	105	84	227	146	75
PCB-5	pg/L	1.1	1.2	2.1	NA	2.5	3.2	2.1	7.7	2.5	1.3
PCB-6	pg/L	27	32	47	NA	64	65	51	161	80	36
PCB-7	pg/L	3.4	3.5	5.6	NA	8.0	8.4	42	20	8.5	3.9
PCB-8	pg/L	94	106	166	NA	234	232	188	576	282	130
PCB-9	pg/L	4.4	4.9	7.5	NA	11	11	8.9	26	12	5.5
PCB-10	pg/L	3.2	3.6	5.0	NA	6.7	6.7	4.9	15	8.9	4.1
PCB-11	pg/L	148	129	235	NA	250	332	274	892	335	175
PCB-12/13	pg/L	39 C	46 C	76 C	NA	92 C	96 C	79 C	253 C	124 C	65 C
PCB-14	pg/L	0.12 QJ	0.15 J	0.23 J	NA	0.27 J	0.36 J	0.25 J	0.76 J	0.37 J	0.19 J
PCB-15	pg/L	275	289	501	NA	559	670	482	1,565	760	401
PCB-16	pg/L	68	76	115	NA	188	197	165	388	197	89
PCB-17	pg/L	101	126	167	NA	285	280	249	529	289	137
PCB-18/30	pg/L	164 C	196 C	265 C	NA	467 C	470 C	405 C	870 C	463 C	206 C
PCB-19	pg/L	29	28	52	NA	63	78	55	185	90	41
PCB-20/28	pg/L	605 C	811 CD	1,146 CD	NA	1,751 CD	1,693 CD	1,291 CD	4,081 CD	1,690 C	870 CD
PCB-21/33	pg/L	127 C	158 CB	228 C	NA	393 C	354 C	324 C	812 C	389 C	197 C
PCB-22	pg/L	134	166	244	NA	373	384	330	813	403	213
PCB-23	pg/L	0.25 J	0.29 Q	0.41 J	NA	0.79	0.63	0.55	1.3	0.11 U	0.29 J
PCB-24	pg/L	2.0	2.5	3.7	NA	6.6	7.4	5.7	9.7	5.9	3.4
PCB-25	pg/L	61	74	114	NA	154	160	135	385	174	90
PCB-26/29	pg/L	92 C	120 C	170 C	NA	256 C	252 C	217 C	550 C	266 C	147 C
PCB-27	pg/L	24	26	41	NA	57	60	49	145	70	31
PCB-31	pg/L	359	480	722 D	NA	1,236 D	1,066 D	889 D	2,461 D	1,076	563
PCB-32	pg/L	89	100	139	NA	208	240	191	492	240	117
PCB-34	pg/L	2.6	3.4	4.7	NA	6.9	7.1	6.4	15	7.2	4.0
PCB-35	pg/L	21	21	39	NA	46	63	45	146	50	38
PCB-36	pg/L	0.43 J	0.043 U	0.85	NA	0.062 U	1.2	0.068 U	2.6	0.095 U	0.64
PCB-37	pg/L	247	224	450 D	NA	461	631	420	1,555 D	510	340
PCB-38	pg/L	0.48 J	0.13 Q	0.82	NA	0.25 J	1.2 Q	0.21 J	3.2	0.28 Q	0.68
PCB-39	pg/L	3.4	4.2	6.2	NA	8.1	10	7.7	23	8.7	6.2
PCB-40/41/71	pg/L	305 C	331 C	541 C	NA	687 C	870 C	679 C	2,104 CD	798 C	443 C
PCB-42	pg/L	159	173	282	NA	356	451	352	1,061	410	224
PCB-43	pg/L	20	21	34	NA	47	57	45	125	52	30
PCB-44/47/65	pg/L	635 C	681 C	1,137 CD	NA	1,456 CD	1,913 CD	1,584 CD	4,291 CD	1,576 C	886 C
PCB-45/51	pg/L	163 C	171 C	267 C	NA	342 C	476 C	398 C	1,061 C	417 C	201 C
PCB-46	pg/L	29	31	50	NA	65	83	65	191	79	37
PCB-48	pg/L	89	103	153	NA	226	266	218	545	232	129
PCB-49/69	pg/L	393 C	436 C	708 CD	NA	918 CD	1,191 CD	883 CD	2,662 CD	975 C	556 C
PCB-50/53	pg/L	90 C	100 C	151 C	NA	206 C	264 C	212 C	592 C	246 C	115 C
PCB-52	pg/L	523	593	965 D	NA	1,267 D	1,645 D	1,195 D	3,669 D	1,355	751
PCB-54	pg/L	12	11	19	NA	21	36	27	75	31	15
PCB-55	pg/L	6.6	0.14 U	11	NA	0.16 U	18	0.19 U	35	0.35 U	11
PCB-56	pg/L	244	272	438	NA	491	693	531	1,619 D	613	385

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - C Co-elution of congeners
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 5
TOPS
GFF - PCBs-Congeners (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I		
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF - PCBs cont.													
PCB-57	pg/L	12	7.5	4.1	2.0	10	13	5.1	3.0	5.7	NA	7.3	NA
PCB-58	pg/L	6.2	5.8	2.3	1.3	5.2	8.3	2.7	2.0	3.6	NA	6.6	NA
PCB-59/62/75	pg/L	234 C	189 C	60 C	38 C	160 C	222 C	77 C	53 C	98 C	NA	173 C	NA
PCB-60	pg/L	433	349	126	78	330	381	146	103	189	NA	291	NA
PCB-61/70/74/76	pg/L	3,312 CD	2,912 CD	1,031 CD	630 C	2,805 CD	3,862 CD	1,287 CD	972 CD	1,612 CD	NA	3,019 CD	NA
PCB-63	pg/L	91	75	29	17	72	91	34	23	43	NA	71	NA
PCB-64	pg/L	1,015	785	274	174	722	915	334	232	434	NA	777	NA
PCB-66	pg/L	2,004 D	1,848 BD	656	403	1,659 D	2,332 D	799 D	540	939 D	NA	1,796 D	NA
PCB-67	pg/L	77	63	22	13	60	96	29	19	36	NA	68	NA
PCB-68	pg/L	28	21	7.7	3.9	20	25	9.8	6.3	12	NA	19	NA
PCB-72	pg/L	26	21	7.7	4.3	18	29	9.8	6.9	11	NA	20	NA
PCB-73	pg/L	14	0.012 U	3.4 Q	0.026 U	11	0.031 U	4.3	0.011 U	5.9	NA	0.025 U	NA
PCB-77	pg/L	402	253	116	63	300	421	134	84	197	NA	262	NA
PCB-78	pg/L	0.34 U	0.18 U	0.084 U	0.31 U	0.19 U	0.50 U	0.044 U	0.11 U	0.067 U	NA	0.21 U	NA
PCB-79	pg/L	32	15	7.2	3.6	19	29	9.0	5.2	12	NA	17	NA
PCB-80	pg/L	0.30 U	0.16 U	0.074 U	0.28 U	0.17 U	0.45 U	0.039 U	0.097 U	0.059 U	NA	0.19 U	NA
PCB-81	pg/L	9.5	6.9	2.7	1.1	7.3	10	3.2	2.0	4.8	NA	5.5	NA
PCB-82	pg/L	290	240	81	48	229	293	99	69	132	NA	187	NA
PCB-83/99	pg/L	1,539 CD	1,183 CD	436 C	252 C	1,180 C	1,648 C	550 C	404 C	728 CD	NA	1,100 C	NA
PCB-84	pg/L	532	520	159	98	443	625	196	138	253	NA	419	NA
PCB-85/116/117	pg/L	438 C	372 C	125 C	71 C	352 C	453 C	153 C	110 C	206 C	NA	288 C	NA
PCB-86/87/97/108/119/125	pg/L	1,565 CD	1,228 CD	444 CD	240 CG	1,247 CD	1,648 CD	530 CD	372 CD	716 CD	NA	1,091 CD	NA
PCB-88/91	pg/L	372 C	356 C	116 C	69 C	319 C	459 C	147 C	104 C	181 C	NA	308 C	NA
PCB-89	pg/L	36	32	9.9	6.1	28	49	12	8.6	16	NA	26	NA
PCB-90/101/113	pg/L	2,443 CD	1,910 CD	660 C	371 C	1,982 CD	2,514 CD	848 CD	580 C	1,142 CD	NA	1,771 CD	NA
PCB-92	pg/L	431	390	120	70	350	492	152	113	199	NA	308	NA
PCB-93/95/98/100/102	pg/L	1,938 CD	1,611 CD	522 C	314 C	1,497 C	2,095 CD	645 C	479 C	903 CD	NA	1,397 C	NA
PCB-94	pg/L	50	47	13	7.6	40	59	17	13	23	NA	34	NA
PCB-96	pg/L	31	30	8.1	5.2	25	40	11	7.6	14	NA	23	NA
PCB-103	pg/L	61	59	16	9.3	50	72	22	17	29	NA	46	NA
PCB-104	pg/L	21	15	5.7	2.8	18	21	7.5	5.1	9.8	NA	14	NA
PCB-105	pg/L	900 D	758 BD	275	134	735	789	331	205	426 D	NA	582	NA
PCB-106	pg/L	0.22 U	0.34 U	0.12 U	0.24 U	0.36 U	0.27 U	0.067 U	0.11 U	0.096 U	NA	0.22 U	NA
PCB-107/124	pg/L	83 C	67 C	23 C	12 C	65 C	93 C	29 C	19 C	38 C	NA	55 C	NA
PCB-109	pg/L	143	134	43	24	119	189	38	66	66	NA	115	NA
PCB-110/115	pg/L	2,572 CD	2,105 CD	712 C	407 C	2,050 CD	2,563 CD	894 CD	632 CD	1,190 CD	NA	1,864 CD	NA
PCB-111	pg/L	2.2	1.3 Q	0.53	0.19 QCJ	1.8	2.5 Q	0.69	0.42	0.93	NA	0.85	NA
PCB-112	pg/L	0.11 U	0.051 U	0.086 U	0.078 U	0.16 U	0.32 U	0.047 U	0.049 U	0.062 U	NA	0.20 U	NA
PCB-114	pg/L	55	39	16	6.9	44	45	19	10	25	NA	33	NA
PCB-118	pg/L	2,004 D	1,657 D	595	298	1,672 D	1,941 D	720 D	508 D	975 D	NA	1,448 D	NA
PCB-120	pg/L	8.7	6.7	2.5	1.2	7.1	14	3.3	2.1	3.9	NA	5.9	NA
PCB-121	pg/L	2.1	1.8	0.56	0.30 J	1.6	2.3	0.62	0.61	1.0	NA	1.5	NA
PCB-122	pg/L	31	24	8.7	4.5	25	35	11	6.3	14	NA	20	NA
PCB-123	pg/L	47	25	13	5.1	34	35	15	8.0	22	NA	23	NA
PCB-126	pg/L	11	6.7	2.7	1.1	8.7	24	3.5	2.1	5.3	NA	4.8	NA
PCB-127	pg/L	0.22 U	0.36 U	0.12 U	0.25 U	0.35 U	0.28 U	0.066 U	0.11 U	0.094 U	NA	0.22 U	NA
PCB-128/166	pg/L	383 C	296 C	107 C	52 C	314 C	334 C	130 C	89 C	178 C	NA	238 C	NA
PCB-129/138/160/163	pg/L	2,860 CD	2,258	785 C	387 C	2,569 C	2,675 CD	966 C	638 C	1,253 CD	NA	1,732 C	NA
PCB-130	pg/L	157	130	43	22	131	192	54	37	69	NA	105	NA
PCB-131	pg/L	30	26	8.2	4.5	25	34	10	6.8	13	NA	21	NA
PCB-132	pg/L	710	704	248	125	809	894	305	197	368	NA	586	NA
PCB-133	pg/L	45	36	13	6.2	41	54	16	12	20	NA	32	NA
PCB-134/143	pg/L	133 C	111 C	36 C	20 C	117 C	149 C	45 C	32 C	58 C	NA	82 C	NA
PCB-135/151/154	pg/L	922 C	834 C	262 C	138 C	951 C	1,034 C	334 C	231 C	418 C	NA	679 C	NA
PCB-136	pg/L	304	290	91	48	314	360	114	76	143	NA	229	NA
PCB-137	pg/L	117	92	29	15	90	112	37	22	51	NA	63	NA
PCB-139/140	pg/L	45 C	40 C	12 C	6.3 C	37 C	59 C	16 C	11 C	21 C	NA	31 C	NA

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 4. Qualifiers
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 - C Co-elution of congeners
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 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - NA Not Analyzed

**Table 5
TOPS**

GFF - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF - PCBs cont.											
PCB-57	pg/L	2.8	3.0	5.1	NA	5.3	9.0	5.0	19	6.0	4.6
PCB-58	pg/L	2.2	2.0	3.8	NA	4.2	4.9	4.2	12	3.9	2.8
PCB-59/62/75	pg/L	51 C	55 C	91 C	NA	115 C	146 C	111 C	337 C	129 C	73 C
PCB-60	pg/L	88	112	160	NA	204	275	219	570	242	147
PCB-61/70/74/76	pg/L	830 C	1,012 CD	1,511 CD	NA	1,923 CD	2,530 CBD	1,782 CD	5,480 CD	1,861 CD	1,246 CD
PCB-63	pg/L	21	24	37	NA	47	63	47	129	51	34
PCB-64	pg/L	215	245	369	NA	498	655	503	1,308	563	327
PCB-66	pg/L	496	576	965 D	NA	1,226	1,530 BD	1,093 D	3,641 D	1,260	734
PCB-67	pg/L	18	21	34	NA	42	53	43	123	44	28
PCB-68	pg/L	6.4	7.1	11	NA	13	18	47	42	14	9.7
PCB-72	pg/L	6.3	7.2	11	NA	14	17	14	40	14	9.4
PCB-73	pg/L	3.3	0.012 U	5.2	NA	0.013 U	8.6	0.012 U	20	0.041 U	3.6
PCB-77	pg/L	93	91	160	NA	182	273	187	568	182	209
PCB-78	pg/L	0.066 U	0.13 U	0.069 U	NA	0.15 U	0.10 U	0.18 U	0.21 U	0.33 U	0.16 U
PCB-79	pg/L	5.8	5.9	11	NA	11	15 Q	10	37	12	11
PCB-80	pg/L	0.058 U	0.11 U	0.061 U	NA	0.14 U	0.090 U	0.16 U	0.19 U	0.30 U	0.14 U
PCB-81	pg/L	1.9	2.0	4.4	NA	3.3	7.0	4.0	14	3.9	3.6
PCB-82	pg/L	67	69	117	NA	133	193	121	416	151	97
PCB-83/99	pg/L	385 C	389 C	681 CD	NA	721 C	1,033 C	661 C	2,306 CD	817 C	508 C
PCB-84	pg/L	135	144	233	NA	280	380	254	839	329	185
PCB-85/116/117	pg/L	106 C	105 C	187 C	NA	207 C	303 C	187 C	641 C	223 C	146 C
PCB-86/87/97/108/119/125	pg/L	378 CD	362 C	659 CD	NA	681 CG	1,028 CD	630 CG	2,251 CD	772 CG	514 CD
PCB-88/91	pg/L	107 C	104 C	171 C	NA	199 C	276 C	180 C	617 C	233 C	135 C
PCB-89	pg/L	8.1	9.0	15	NA	18	24	16	53	20	11
PCB-90/101/113	pg/L	553 C	563 C	1,028 CD	NA	1,168 CD	1,655 CD	1,001 CD	3,605 CD	1,215 C	731 C
PCB-92	pg/L	100	109	178	NA	207	303	191	640	229	148
PCB-93/95/98/100/102	pg/L	460 C	478 C	830 D	NA	996 CD	1,377 CD	843 CD	3,001 CD	1,044 C	608 C
PCB-94	pg/L	11	12	19	NA	23	34	22	74	26	15
PCB-96	pg/L	7.8	7.4	12	NA	16	22	14	47	17	9.3
PCB-103	pg/L	16	15	25	NA	29	44	28	96	33	20
PCB-104	pg/L	5.4	4.5	8.5	NA	8.2	15	10	33	9.9	6.8
PCB-105	pg/L	227	215	384	NA	410	631	426	1,391 D	445	311
PCB-106	pg/L	0.090 U	0.12 U	0.13 U	NA	0.23 U	0.13 U	0.21 U	0.25 U	0.52 U	0.23 U
PCB-107/124	pg/L	19 C	20 C	34 C	NA	39 C	55 C	34 C	120 C	41 C	27 C
PCB-109	pg/L	36	41	64	NA	77	102	69	220	82	49
PCB-110/115	pg/L	599 C	661 CD	1,096 CD	NA	1,277 CD	1,707 CD	1,016 CD	3,779 CD	1,329 C	867 CD
PCB-111	pg/L	0.52	0.33 Q	0.87	NA	0.59	1.4	0.55 Q	3.1	0.59 QJ	0.77 Q
PCB-112	pg/L	0.089 U	0.11 U	0.093 U	NA	0.13 U	0.17 U	0.11 U	0.28 U	0.18 U	0.068 U
PCB-114	pg/L	13	12	22	NA	23	38	24	79	25	18
PCB-118	pg/L	509	531 D	866 BD	NA	1,006 CD	1,363 D	590 D	3,138 D	1,000	683 D
PCB-120	pg/L	3.2	2.0	4.1	NA	4.0	6.4	3.5	14	3.9	3.2
PCB-121	pg/L	0.48 J	0.48	0.82	NA	0.94	1.4	0.84	3.0	0.96 Q	0.59
PCB-122	pg/L	7.6	8.0	13	NA	15	21	13	45	16	11
PCB-123	pg/L	11	9.0	20	NA	17	32	18	65	20	16
PCB-126	pg/L	2.5	2.0	4.4	NA	3.7	7.4	3.7	14	3.2	3.7
PCB-127	pg/L	0.088 U	0.12 U	0.13 U	NA	0.23 U	0.13 U	0.21 U	0.24 U	0.51 U	0.22 U
PCB-128/166	pg/L	89 C	87 C	156 C	NA	170 C	300 C	182 C	605 C	174 C	129 C
PCB-129/138/160/163	pg/L	656 C	632 C	1,137 CD	NA	1,178 C	2,047 C	1,325 CD	4,218 CD	1,317 C	938 C
PCB-130	pg/L	37	38	64	NA	72	113	77	236	77	55
PCB-131	pg/L	6.9	7.5	12	NA	14	22	15	44	16	10.0
PCB-132	pg/L	207	214	333	NA	400	626	435	1,253	452	281
PCB-133	pg/L	11	11	19	NA	21	34	23	71	23	15
PCB-134/143	pg/L	32 C	32 C	54 C	NA	58 C	99 C	67 C	201 C	67 C	45 C
PCB-135/151/154	pg/L	253 C	235 C	386 C	NA	437 C	746 C	485 C	1,491 C	486 C	330 C
PCB-136	pg/L	80	80	132	NA	150	258	164	508	170	108
PCB-137	pg/L	27	25	47	NA	43	82	47	159	45	40
PCB-139/140	pg/L	11 C	11 C	19 C	NA	22 C	33 C	23 C	69 C	23 C	15 C

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers

- U Not detected; value is reporting limit
- C Co-elution of congeners
- Q Result from a single column for dual column GC/ECD analysis
- J Estimated value; direction of bias unknown.
- D Value from Dilution Analysis
- NA Not Analyzed

Table 5
TOPS
GFF - PCBs-Congeners (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I		
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte													
Units													
GFF - PCBs cont.													
PCB-141	pg/L	474	365	136	66	501	462	167	105	209	NA	324	NA
PCB-142	pg/L	0.76 U	0.42 U	0.30 U	0.22 U	0.76 U	0.63 U	0.33 U	0.18 U	0.29 U	NA	0.51 U	NA
PCB-144	pg/L	119	103	26	17	102	127	41	27	43	NA	59	NA
PCB-145	pg/L	1.0	0.79	0.29 J	0.17 J	0.78	2.2	0.32 J	0.24 J	0.43	NA	0.69	NA
PCB-146	pg/L	382	326	117	56	388	478	144	98	182	NA	297	NA
PCB-147/149	pg/L	2,426 CD	1,948 CD	634 C	327 C	2,198 C	2,381 C	796 C	537 CB	975 C	NA	1,478 C	NA
PCB-148	pg/L	9.8	8.9	2.7	1.3	8.8	13	3.7	3.1	4.9	NA	7.4	NA
PCB-150	pg/L	9.9	11	3.6	1.7	10	17	4.7	3.2	5.3	NA	10	NA
PCB-152	pg/L	9.7	8.2	2.6	1.3	8.2	12	3.3	2.5	4.3	NA	5.3	NA
PCB-153/168	pg/L	2,616 CD	2,090 CD	712 C	350 C	2,468 C	2,577 CD	881 C	600 C	1,162 CD	NA	1,694 C	NA
PCB-155	pg/L	26	22	7.7	4.1	22	49	14	18	16	NA	57	NA
PCB-156/157	pg/L	314 C	240 C	85 C	41 C	265 C	288 C	104 C	71 C	139 C	NA	195 C	NA
PCB-158	pg/L	254	199	68	35	228	233	86	58	111	NA	166	NA
PCB-159	pg/L	37	0.30 U	10	4.8	41	31	13	0.13 U	16	NA	20	NA
PCB-161	pg/L	0.51 U	0.30 U	0.21 U	0.16 U	0.52 U	0.44 U	0.22 U	0.13 U	0.20 U	NA	0.33 U	NA
PCB-162	pg/L	20 Q	16 Q	6.0 Q	3.1 Q	18 Q	30 Q	8.5 Q	5.7 Q	9.3 Q	NA	17 Q	NA
PCB-164	pg/L	181	151	53	26	173	200	65	46	82	NA	134	NA
PCB-165	pg/L	0.59 U	0.33 U	0.23 U	0.18 QJ	0.59 U	2.2 Q	0.25 U	0.37	0.55 Q	NA	0.38 U	NA
PCB-167	pg/L	110	83	30	14	92	121	37	25	48	NA	67	NA
PCB-169	pg/L	2.8 U	1.7 U	0.86 U	0.31 U	2.9 U	3.2 U	0.84 U	0.52 U	0.94 U	NA	1.4 U	NA
PCB-170	pg/L	803	601	220	110	856	626	256	184	338	NA	484	NA
PCB-171/173	pg/L	244 C	195 C	67 C	33 C	275 C	230 C	83 C	57 C	115 C	NA	155 C	NA
PCB-172	pg/L	148	114	42	19	165	154	50	34	66	NA	93	NA
PCB-174	pg/L	829	697	231	117	991	810	285	198	373	NA	539	NA
PCB-175	pg/L	38	30	10	4.7	39	44	12	8.3	16	NA	23	NA
PCB-176	pg/L	110	90	31	15	123	119	37	25	49	NA	71	NA
PCB-177	pg/L	488	387	148	68	579	455	177	115	233	NA	312	NA
PCB-178	pg/L	189	152	55	26	214	201	66	45	90	NA	122	NA
PCB-179	pg/L	366	307	108	51	434	390	131	85	175	NA	243	NA
PCB-180/193	pg/L	2,044 CD	1,397 CD	561 C	249 C	2,165 CD	1,536 C	661 C	427 C	852 CD	NA	1,202 CD	NA
PCB-181	pg/L	7.3	5.8	2.0	0.98	5.9	7.5	2.3	1.8	3.3	NA	4.3	NA
PCB-182	pg/L	6.4	4.2	1.8	0.67	5.4	12	2.2	1.3	2.9	NA	0.080 U	NA
PCB-183/185	pg/L	616 C	494 C	176 C	87 C	701 C	582 C	207 C	148 C	279 C	NA	390 C	NA
PCB-184	pg/L	8.7	7.5	2.7	1.1	7.3	10	3.2	2.4	4.3	NA	5.2	NA
PCB-186	pg/L	0.061 U	0.031 U	0.30 QJ	0.023 U	1.1 Q	0.73	0.028 U	0.020 U	0.56 Q	NA	0.065 U	NA
PCB-187	pg/L	1,188	934	343	159	1,328	1,089	406	288	513	NA	760	NA
PCB-188	pg/L	3.9	2.8	1.1	0.52 J	3.0	5.9	1.4	1.1	1.8	NA	2.8	NA
PCB-189	pg/L	32	22	8.7	3.6	33	32	11	6.6	14	NA	18	NA
PCB-190	pg/L	179	126	47	23	185	104	57	38	76	NA	103	NA
PCB-191	pg/L	34	26	9.4	4.5	36	30	11	7.7	15	NA	21	NA
PCB-192	pg/L	0.069 U	0.034 U	0.025 U	0.026 U	0.077 U	0.087 U	0.031 U	0.022 U	0.042 U	NA	0.072 U	NA
PCB-194	pg/L	510	375	126	62	522	351	162	113	214	NA	295	NA
PCB-195	pg/L	196	151	47	24	207	131	60	44	82	NA	112	NA
PCB-196	pg/L	274	219	65	35	300	244	87	63	110	NA	167	NA
PCB-197/200	pg/L	90 C	73 C	23 C	11 C	100 C	90 C	30 C	20 C	39 C	NA	55 C	NA
PCB-198/199	pg/L	678 C	540 C	171 C	85 C	715 C	577 C	217 C	150 C	290 C	NA	398 C	NA
PCB-201	pg/L	79	65	20	9.9	83	96	26	18	34	NA	48	NA
PCB-202	pg/L	155	131	42	21	148	146	53	38	69	NA	98	NA
PCB-203	pg/L	412	327	104	52	412	290	125	93	168	NA	241	NA
PCB-204	pg/L	0.55	0.48	0.17 J	0.10 J	0.49 QJ	2.2	0.18 J	0.15 J	0.23 J	NA	0.38 J	NA
PCB-205	pg/L	26	20	6.8	3.2	28	19	8.5	5.8	11	NA	15	NA
PCB-206	pg/L	315	295	101	49	303	270	117	91	166	NA	206	NA
PCB-207	pg/L	39	35	11	5.3	36	62	14	9.8	19	NA	24	NA
PCB-208	pg/L	149	126	43	19	123	138	51	35	71	NA	87	NA
PCB-209	pg/L	310	264	96	38	252	221	109	106	142	NA	172	NA

Notes:

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2. Results reported are considered validated.
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4. Qualifiers
 - U Not detected; value is reporting limit
 - C Co-elution of congeners
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 5
TOPS
GFF - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF - PCBs cont.											
PCB-141	pg/L	115	109	191	NA	198	372	233	712	222	158
PCB-142	pg/L	0.28 U	0.20 U	0.25 U	NA	0.19 U	0.39 U	0.30 U	1.0 U	0.34 U	0.49 U
PCB-144	pg/L	22	22	39	NA	37	76	43	179	43	39
PCB-145	pg/L	0.23 J	0.26	0.39 J	NA	0.47	0.73	0.44 Q	1.5	0.50 J	0.32
PCB-146	pg/L	104	103	166	NA	197	311	211	634	215	151
PCB-147/149	pg/L	574 C	534 C	916 C	NA	985 C	1,722 C	1,075 C	3,651 CD	1,127 C	783 C
PCB-148	pg/L	3.2	2.6	4.3	NA	4.9	7.8	5.3	17	5.3	3.3
PCB-150	pg/L	7.3	3.2	5.9	NA	6.4	9.5	6.7	21	6.8	4.0
PCB-152	pg/L	2.3	2.2	3.7	NA	3.7	7.2	4.4	16	4.7	3.0
PCB-153/168	pg/L	661 C	590 C	1,037 CD	NA	1,233 CD	1,927 C	1,217 CD	3,916 CD	1,253 CB	854 C
PCB-155	pg/L	14	10	20	NA	18	30	23	68	19	12
PCB-156/157	pg/L	73 C	71 C	125 C	NA	137 C	214 C	145 C	443 C	139 C	101 C
PCB-158	pg/L	59	60	103	NA	114	187	124	375	121	85
PCB-159	pg/L	8.8	7.0	14	NA	0.12 U	28	16	51	15	12
PCB-161	pg/L	0.19 U	0.13 U	0.17 U	NA	0.12 U	0.26 U	0.19 U	0.70 U	0.22 U	0.33 U
PCB-162	pg/L	6.5 Q	7.5 Q	12 Q	NA	12 Q	18 Q	12 Q	41 Q	14 Q	7.1 Q
PCB-164	pg/L	44	47	75	NA	92	139	100	289	99	61
PCB-165	pg/L	0.22 U	0.15 U	0.56 Q	NA	0.14 U	0.97 Q	0.23 U	0.80 U	0.26 U	0.48 Q
PCB-167	pg/L	26	25	44	NA	48	84	50	173	49	36
PCB-169	pg/L	0.52 U	4,874 U	0.87 U	NA	0.87 U	1.6 U	0.99 U	3.0 U	0.87 U	0.94 U
PCB-170	pg/L	168	174	321	NA	337	583	371	1,098	323	243
PCB-171/173	pg/L	55 C	55 C	102 C	NA	107 C	188 C	118 C	358 C	103 C	78 C
PCB-172	pg/L	33	32	63	NA	63	111	70	214	61	47
PCB-174	pg/L	192	187	340	NA	366	636	408	1,217	360	263
PCB-175	pg/L	8.2	8.4	15	NA	16	28	18	51	16	12
PCB-176	pg/L	25	25	46	NA	49	87	55	162	49	34
PCB-177	pg/L	121	110	210	NA	214	385	235	711	210	150
PCB-178	pg/L	45	44	77	NA	86	143	94	283	84	60
PCB-179	pg/L	88	87	153	NA	168	288	187	575	170	118
PCB-180/193	pg/L	439 C	0.022 CU	735 CD	NA	836 CD	1,392 CD	880 CD	2,507 CD	798 C	615 C
PCB-181	pg/L	1.7	1.6	2.9	NA	3.1	3.8	3.3	8.5	3.2	2.1
PCB-182	pg/L	1.5	1.1	2.5	NA	0.033 U	4.4	2.3	9.6	2.2	2.3
PCB-183/185	pg/L	150 C	140 C	253 C	NA	267 C	455 C	299 C	855 C	267 C	196 C
PCB-184	pg/L	1.9	2.0	2.7	NA	3.1	4.4	3.3	9.9	2.9	2.1
PCB-186	pg/L	0.086 U	0.020 U	0.51 Q	NA	0.026 U	0.077 U	0.020 U	1.9 Q	0.050 U	0.023 U
PCB-187	pg/L	282	269	469	NA	518	846	574	1,674	524	395
PCB-188	pg/L	2.1	0.96	2.5	NA	2.0	2.7	2.1	6.6	2.1	1.3
PCB-189	pg/L	7.5	6.5	13	NA	13	23	14	45	13	9.6
PCB-190	pg/L	37	37	67	NA	71	127	78	235	69	51
PCB-191	pg/L	7.9	7.6	14	NA	15	25	16	47	14	11
PCB-192	pg/L	0.092 U	0.022 U	0.065 U	NA	0.029 U	0.082 U	0.022 U	0.15 U	0.055 U	0.025 U
PCB-194	pg/L	122	108	185	NA	214	350	180	644	221	152
PCB-195	pg/L	44	42	70	NA	81	136	69	243	84	57
PCB-196	pg/L	61	61	99	NA	118	191	102	360	118	82
PCB-197/200	pg/L	20 C	20 C	34 C	NA	39 C	62 C	34 C	122 C	40 C	29 C
PCB-198/199	pg/L	144 C	151 C	242 C	NA	288 C	478 C	249 C	924 C	284 C	216 C
PCB-201	pg/L	17	19	29	NA	35	55	30	107	36	25
PCB-202	pg/L	37	39	61	NA	74	106	49	213	75	51
PCB-203	pg/L	92	93	145	NA	174	274	153	545	177	132
PCB-204	pg/L	0.14 J	0.14 J	0.21 QJ	NA	0.25 J	0.38 J	0.19 J	0.77 J	0.34 J	0.19 J
PCB-205	pg/L	6.7	5.5	9.7	NA	11	19	12	36	11	7.8
PCB-206	pg/L	91	90	135	NA	157	229	111	458	175	127
PCB-207	pg/L	10	10	16	NA	18	28	16	55	20	14
PCB-208	pg/L	35	38	58	NA	70	103	75	211	74	58
PCB-209	pg/L	71	78	129	NA	146	271	93	433	157	102

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - C Co-elution of congeners
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 6
TOPS
GFF (Particulate) - PCDD/DFs (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF (Particulate) - PCDD/DFs													
2,3,7,8-TCDD	pg/g	NA	232 BD	276	143	973 D	495 D	334 D	234	278 D	NA	371 D	NA
2,3,7,8-TCDF	pg/g	NA	12 D	21	11	27 D	39 D	20 D	23	17 D	NA	28 D	NA
1,2,3,7,8-PeCDD	pg/g	NA	4.7 JD	6.9 J	3.2 J	12 JD	189 D	7.8 JD	6.5 J	6.5 JD	NA	9.8 JD	NA
1,2,3,7,8-PeCDF	pg/g	NA	5.9 JD	12 J	5.0 J	17 JD	34 JD	14 JD	11 J	10.0 JD	NA	16 JD	NA
2,3,4,7,8-PeCDF	pg/g	NA	13 JD	25	11 J	38 JD	47 JD	31 JD	23	24 JD	NA	35 JD	NA
1,2,3,4,7,8-HxCDD	pg/g	NA	5.7 JD	8.3 J	3.5 J	15 JD	81 D	8.2 JD	7.6 J	7.3 JD	NA	7.5 JD	NA
1,2,3,6,7,8-HxCDD	pg/g	NA	19 JD	36	14 J	50 JD	178 D	41 JD	34	41 JD	NA	45 JD	NA
1,2,3,7,8-HxCDD	pg/g	NA	13 JD	26	9.9 J	37 JD	319 D	28 JDEMPC	24	28 JDEMPC	NA	29 JD	NA
1,2,3,4,7,8-HxCDF	pg/g	NA	82 D	147	58	209 D	120 D	143 D	127	102 D	NA	173 D	NA
1,2,3,6,7,8-HxCDF	pg/g	NA	22 JD	37	15 J	53 JD	63 JD	38 JD	34	29 JD	NA	47 JD	NA
1,2,3,7,8,9-HxCDF	pg/g	NA	0.86 JD	0.97 J	0.52 U	1.8 JDEMPC	1.6 UD	1.3 JD	0.76 J	1.8 JDEMPC	NA	1.9 JD	NA
2,3,4,6,7,8-HxCDF	pg/g	NA	11 JD	19 J	7.9 J	27 JD	32 JD	18 JD	17	16 JD	NA	22 JD	NA
1,2,3,4,6,7,8-HpCDD	pg/g	NA	398 D	727	250	945 D	1,016 D	715 D	613	1,038 D	NA	713 D	NA
1,2,3,4,6,7,8-HpCDF	pg/g	NA	455 D	686	261	1,003 D	493 D	682 D	614	707 D	NA	760 D	NA
1,2,3,4,7,8,9-HCDF	pg/g	NA	18 JD	25	9.8 J	38 JD	25 JD	22 JD	22	22 JD	NA	28 JD	NA
OCDF	pg/g	NA	720 D	1,195	384	1,762 D	616 D	1,123 D	896	1,048 D	NA	1,218 D	NA
OCDD	pg/g	NA	4,286 BD	8,715	2,553	10,328 D	6,827 D	8,254 BD	7,240	10,389 D	NA	7,532 D	NA
Total Tetra-Dioxins	pg/g	NA	310 D	378 EMPC	197 EMPC	1,186 D	1,767 D	503 BD	308	416 D	NA	540 D	NA
Total Tetra-Furans	pg/g	NA	308 D	436 EMPC	236 EMPC	853 D	1,030 D	621 BD	387 EMPC	553 D	NA	767 D	NA
Total Penta-Dioxins	pg/g	NA	47 DEMPC	72	27 EMPC	138 D	2,663 D	92 DEMPC	62	90 DEMPC	NA	118 DEMPC	NA
Total Penta-Furans	pg/g	NA	312 D	461	206 EMPC	886 D	1,212 D	641 BD	405	553 D	NA	758 D	NA
Total Hexa-Dioxins	pg/g	NA	160 D	293	109	422 DEMPC	3,256 DEMPC	332 DEMPC	272	371 DEMPC	NA	344 DEMPC	NA
Total Hexa-Furans	pg/g	NA	359 D	578	231	942 DEMPC	924 DEMPC	608 D	523	511 DEMPC	NA	711 DEMPC	NA
Total Hepta-Dioxins	pg/g	NA	922 D	1,608	567	2,075 D	2,587 D	1,579 D	1,356	2,459 D	NA	1,553 D	NA
Total Hepta-Furans	pg/g	NA	672 D	1,026	387	1,468 D	770 D	999 D	896	1,119 D	NA	1,151 D	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown
 - EMPC Estimated Maximum Possible Concentration
 - B Also detected in Blank
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 6 cont.
TOPS
GFF (Particulate) - PCDD/DFs (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF (Particulate) - PCDD/DFs											
2,3,7,8-TCDD	pg/g	308	969 B	2,414 D	NA	459 D	1,432 D	385 D	351 D	343 D	240 D
2,3,7,8-TCDF	pg/g	24	27	16	NA	24 D	21 D	22 D	25 D	20 D	16 D
1,2,3,7,8-PeCDD	pg/g	8.8 J	8.4 J	5.5 J	NA	10 JD	8.9 JD	9.0 JD	8.7 JD	8.3 JD	7.3 JDEMPC
1,2,3,7,8-PeCDF	pg/g	12 J	15 J	9.2 J	NA	16 JD	14 JD	13 JD	16 JD	12 JDEMPC	12 JD
2,3,4,7,8-PeCDF	pg/g	28 J	35	21	NA	37 JD	30 JD	28 JD	35 JD	27 JD	26 JD
1,2,3,4,7,8-HxCDD	pg/g	8.1 J	9.8 J	6.2 J	NA	11 JDEMPC	9.2 JD	9.2 JD	10 JD	8.3 JD	7.8 JDEMPC
1,2,3,6,7,8-HxCDD	pg/g	42	40	26	NA	41 JD	38 JD	41 JD	42 JD	36 JD	34 JD
1,2,3,7,8,9-HxCDD	pg/g	28 J	27	18	NA	33 JD	28 JD	28 JD	31 JD	23 JD	23 JD
1,2,3,4,7,8-HxCDF	pg/g	162	182	115	NA	190 D	145 D	162 D	176 D	149 D	125 D
1,2,3,6,7,8-HxCDF	pg/g	43	47	30	NA	53 JD	41 JD	42 JD	47 JD	36 JD	30 JD
1,2,3,7,8,9-HxCDF	pg/g	1.2 J	1.9 J	0.83 J	NA	1.4 JD	1.1 JD	1.3 JD	1.5 JDEMPC	2.0 UD	1.9 JD
2,3,4,6,7,8-HxCDF	pg/g	21 J	21	15	NA	24 JD	19 JD	21 JD	20 JD	18 JD	15 JD
1,2,3,4,6,7,8-HpCDD	pg/g	677	771	478	NA	770 D	743 D	711 D	770 D	632 D	577 D
1,2,3,4,6,7,8-HpCDF	pg/g	793	856	539	NA	1,038 D	692 D	782 D	862 D	604 D	552 D
1,2,3,4,7,8,9-HCDF	pg/g	30	31	20	NA	30 JD	25 JD	27 JD	31 JD	21 JD	21 JD
OCDF	pg/g	1,228	1,335	851	NA	1,371 D	1,109 D	1,237 D	1,623 D	933 D	853 D
OCDD	pg/g	7,579	8,785	5,016	NA	8,761 D	8,075 D	7,717 D	8,378 D	7,833 D	6,615 D
Total Tetra-Dioxins	pg/g	398 EMPC	1,068	2,469 D	NA	653 D	1,604 D	576 D	536 D	531 D	381 D
Total Tetra-Furans	pg/g	459 EMPC	698	349 EMPC	NA	737 D	678 D	694 D	722 D	619 D	530 D
Total Penta-Dioxins	pg/g	82 EMPC	95 EMPC	54 EMPC	NA	124 DEMPC	97 DEMPC	111 DEMPC	106 DEMPC	100 DEMPC	87 DEMPC
Total Penta-Furans	pg/g	479	711	352	NA	727 D	679 D	662 D	744 D	601 D	528 D
Total Hexa-Dioxins	pg/g	305 EMPC	344 EMPC	209	NA	361 DEMPC	319 D	335 D	347 D	268 DEMPC	281 DEMPC
Total Hexa-Furans	pg/g	630	743	444	NA	766 DEMPC	637 D	679 D	720 DEMPC	590 DEMPC	515 DEMPC
Total Hepta-Dioxins	pg/g	1,475	1,738	1,044	NA	1,714 D	1,626 D	1,553 D	1,734 D	1,384 D	1,346 D
Total Hepta-Furans	pg/g	1,130	1,228	773	NA	1,407 D	1,026 D	1,128 D	1,270 D	876 D	823 D

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown
 - EMPC Estimated Maximum Possible Concentration
 - B Also detected in Blank
 - D Value from Dilution Analysis
 - NA Not Analyzed

Table 7
TOPS
GFF (Particulate) - Pesticides (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF (Particulate) - Pesticides													
2,4'-DDD	ng/g	17	42 Q	15	8.3	73 Q	16 Q	35	38 Q	6.0 Q	NA	62 Q	NA
2,4'-DDE	ng/g	6.7	7.1	6.0	3.5	8.5	8.9	6.4	7.3	6.1	NA	8.7	NA
2,4'-DDT	ng/g	9.0	6.3	3.3	2.1 J	8.8	5.0	6.6	2.0	NA	NA	5.8	NA
4,4'-DDD	ng/g	64	162 Q	52	25	267 Q	41 Q	130	169 Q	21 Q	NA	173 Q	NA
4,4'-DDE	ng/g	53	45	45	23	68	54	49	48	46	NA	63	NA
4,4'-DDT	ng/g	43	19	16	9.8	23	13	13	6.5	NA	NA	15	NA
Aldrin	ng/g	2.7	1.2	1.3 U	0.60 J	2.2	0.98 J	1.3	0.99 J	1.4	NA	1.2 J	NA
Chlordane, alpha (cis)	ng/g	52	45	32	18	61	30	33	34	36	NA	39	NA
Chlordane, gamma (trans)	ng/g	46	38	29	17	52	27	30	31	32	NA	36	NA
Chlordane, oxy-	ng/g	2.0	1.6	1.0 J	0.62 J	1.6 Q	0.86 J	1.1	1.0 J	0.81 J	NA	0.92 J	NA
Dieldrin	ng/g	13	9.8	6.6	6.2	9.5	2.6	8.4	8.6	8.6	NA	8.6	NA
alpha-Endosulphan	ng/g	0.15 J	0.17	0.14 U	0.052 U	0.16 U	0.14 U	0.23 U	0.16 U	0.12 U	NA	0.076 U	NA
beta-Endosulphan	ng/g	0.24 J	0.30	0.17 U	0.089 U	0.26 U	0.14 U	0.12 U	0.042 U	0.16 J	NA	0.17 U	NA
Endosulphan Sulfate	ng/g	0.64	0.46	0.46 J	0.39 U	0.74 J	0.29	0.46 J	0.57	0.36 J	NA	0.33	NA
Endrin	ng/g	0.18 J	0.79	0.099 J	0.074 U	0.11 J	0.16 J	0.10 J	0.058 U	0.10 J	NA	0.51	NA
Endrin Aldehyde	ng/g	0.017 U	0.0075 U	0.043 U	0.16 U	0.010 U	0.0080 U	0.012 U	0.069 U	0.0099 U	NA	0.011 U	NA
Endrin Ketone	ng/g	0.12 J	0.075 J	0.064 J	0.13 U	0.16 J	0.061 U	0.094 J	0.31	0.052 J	NA	0.072 J	NA
HCH, alpha	ng/g	0.11 U	0.15 J	0.13 U	0.086 U	0.23 J	0.15 U	0.23 J	0.20 J	0.20 J	NA	0.25 J	NA
HCH, beta	ng/g	0.29 J	0.24 J	0.32 J	0.25 U	0.37 U	0.20 J	0.32 J	0.29 J	0.24 J	NA	0.30 J	NA
HCH, gamma (lindane)	ng/g	0.12 J	0.092 J	0.12 J	0.083 U	0.22 J	0.11 U	0.14 J	0.097 J	0.11 J	NA	0.18 J	NA
Heptachlor	ng/g	1.1	0.74	0.36 J	0.25 U	1.8	0.43 U	0.50 J	0.31 J	0.64	NA	0.49 J	NA
Heptachlor Epoxide	ng/g	4.9	7.1	1.8	2.2	4.4	0.88	2.4	2.9	2.7	NA	3.1	NA
Hexachlorobenzene	ng/g	4.7	5.1	5.2	2.5	5.0	3.2	3.6	3.7	3.2	NA	4.2	NA
Methoxychlor	ng/g	0.71	0.25	0.47 J	0.43	0.71 JQ	0.22 U	0.31 JQ	0.20 U	0.052 U	NA	0.30	NA
Mirex	ng/g	0.69	0.50	0.63 J	0.32 J	1.2	0.73 J	0.87	0.95 J	0.48	NA	0.52 J	NA
Nonachlor, cis-	ng/g	14	9.6	11	5.4	17	7.2	11	9.3	9.9	NA	10	NA
Nonachlor, trans-	ng/g	33	28	23	11	38	20	23	22	23	NA	25	NA
Total Toxaphene	ng/g	170 U	41 U	39 U	172 U	93 U	145 U	43 U	160 U	162 U	NA	100 U	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

Table 7 cont.
TOPS
GFF (Particulate) - Pesticides (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF (Particulate) - Pesticides											
2,4'-DDD	ng/g	20	28 Q	10	NA	36 Q	19	23 Q	25 Q	9.2	99
2,4'-DDE	ng/g	6.3	8.3	4.5	NA	8.5	7.2	7.6	7.9	4.0	5.7
2,4'-DDT	ng/g	3.5	4.0	1.8	NA	5.2	3.3	3.0	3.9	2.1	5.0
4,4'-DDD	ng/g	78	97 Q	37	NA	118 Q	66	81 Q	98 Q	28	326
4,4'-DDE	ng/g	49	57	34	NA	58	54	56	57	26	42
4,4'-DDT	ng/g	24	39	8.2	NA	20	22	13	46	14	11
Aldrin	ng/g	1.3 J	1.1 J	0.82 J	NA	1.4 J	1.5	1.1 J	1.5	0.47 J	1.2
Chlordane, alpha (cis)	ng/g	33	40	23	NA	38	61	65	49	24	40
Chlordane, gamma (trans)	ng/g	29	37	20	NA	35	78	93	55	28	44
Chlordane, oxy-	ng/g	0.87 J	1.2 J	0.59 J	NA	0.85 J	0.99	1.1 J	0.94	0.68 J	0.78 J
Dieldrin	ng/g	8.1	8.2	4.9	NA	7.4	11	9.9	9.0	9.3	6.6
alpha-Endosulphan	ng/g	0.27 U	0.086 U	0.068 U	NA	0.075 U	0.16 U	0.11 U	0.13 U	0.067 U	0.082 U
beta-Endosulphan	ng/g	0.16 U	0.15 U	0.059 U	NA	0.17 U	0.20 U	0.31 U	0.14 U	0.12 U	0.13 U
Endosulphan Sulfate	ng/g	0.55 J	0.54	0.29 J	NA	0.42	0.44 J	0.40	0.43 J	0.38 J	0.34 J
Endrin	ng/g	0.11 JQ	0.59	0.071 J	NA	0.46	0.14 J	0.57	0.14 J	0.76 J	0.11 J
Endrin Aldehyde	ng/g	0.026 JQ	0.013 U	0.0065 U	NA	0.012 U	0.012 U	0.014 U	0.0069 U	0.035 U	0.021 U
Endrin Ketone	ng/g	0.095 J	0.14 J	0.059 J	NA	0.084 J	0.12 J	0.090 J	0.094 J	0.22 J	0.064 J
HCH, alpha	ng/g	0.16 J	0.25 J	0.13 J	NA	0.26 J	0.17 J	0.17 J	0.24 J	0.15 J	0.15 J
HCH, beta	ng/g	0.30 J	0.48 J	0.19 J	NA	0.40 J	0.30 J	0.28 J	0.35 J	0.29 J	0.24 J
HCH, gamma (lindane)	ng/g	0.19 J	0.47 J	0.098 J	NA	0.17 J	0.19 J	0.13 J	0.18 J	0.12 J	0.27 J
Heptachlor	ng/g	0.43 J	0.56 J	0.29 J	NA	0.53 J	62	76	34	21	13
Heptachlor Epoxide	ng/g	2.1 J	2.9	1.2	NA	2.5	3.9	4.8	3.0	3.7	2.1
Hexachlorobenzene	ng/g	4.3	5.1	2.8	NA	5.2	3.9	4.2	6.3	3.4	3.9
Methoxychlor	ng/g	0.48 JQ	0.56	0.39 JQ	NA	0.37	0.53 JQ	0.30	0.53 JQ	0.84 J	0.39 J
Mirex	ng/g	0.65 J	0.75 J	0.46	NA	0.74 J	0.60	0.026 U	0.58	0.30 J	0.47
Nonachlor, cis-	ng/g	11	11	7.1	NA	11	16	18	13	6.3	10
Nonachlor, trans-	ng/g	22	26	14	NA	26	41	46	31	15	26
Total Toxaphene	ng/g	97 U	177 U	100 U	NA	162 U	72 U	57 U	34 U	107 U	58 U

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

Table 8
TOPS
GFF (Particulate) - PCBs-Homologs (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:00-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF (Particulate) - PCBs - Homologs													
Total Monochlorobiphenyls	pg/g	1,910	1,669	2,314	1,787	2,734	3,723	2,694	2,604	2,149	NA	3,319	NA
Total Dichlorobiphenyls	pg/g	25,370	23,617	32,199	24,561	37,885	42,782	36,493	38,001	27,911	NA	52,855	NA
Total Trichlorobiphenyls	pg/g	94,913	100,759	111,057	76,817	153,681	179,206	129,914	141,521	109,427	NA	235,781	NA
Total Tetrachlorobiphenyls	pg/g	255,489	223,376	244,865	140,571	362,377	364,722	278,672	276,817	242,556	NA	415,689	NA
Total Pentachlorobiphenyls	pg/g	210,122	178,594	196,663	99,288	306,373	292,787	221,610	217,850	203,791	NA	291,653	NA
Total Hexachlorobiphenyls	pg/g	170,724	144,475	157,331	71,592	291,548	233,473	177,819	167,073	155,059	NA	219,019	NA
Total Heptachlorobiphenyls	pg/g	98,495	77,835	92,355	39,454	199,307	116,358	99,658	95,002	89,491	NA	119,566	NA
Total Octachlorobiphenyls	pg/g	32,593	26,496	26,993	12,280	61,439	35,210	31,185	30,958	28,354	NA	37,658	NA
Total Nonachlorobiphenyls	pg/g	6,805	6,344	6,980	2,953	11,300	8,506	7,378	7,748	7,122	NA	8,314	NA
Total Decachlorobiphenyls	pg/g	4,179	3,673	4,300	1,534	6,160	3,988	4,432	5,995	3,954	NA	4,514	NA
Total Polychlorobiphenyls	pg/g	901,376	789,013	875,345	470,311	1,431,388	1,274,634	989,949	984,421	870,543	NA	1,385,630	NA

Table 8 cont.

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Lab	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF (Particulate) - PCBs - Homologs											
Total Monochlorobiphenyls	pg/g	2,491	3,113	1,973	NA	3,346	2,444	1,949	2,914	4,236	2,391
Total Dichlorobiphenyls	pg/g	36,006	42,979	27,449	NA	46,345	34,455	38,982	41,234	50,761	32,265
Total Trichlorobiphenyls	pg/g	120,503	169,072	95,467	NA	208,081	134,589	153,356	148,201	171,090	110,954
Total Tetrachlorobiphenyls	pg/g	255,816	328,664	198,430	NA	361,778	304,710	328,479	334,712	321,365	237,925
Total Pentachlorobiphenyls	pg/g	213,422	249,658	163,153	NA	263,648	240,107	203,815	259,099	233,720	183,376
Total Hexachlorobiphenyls	pg/g	177,126	191,194	124,570	NA	197,441	213,189	194,911	213,732	178,029	153,200
Total Heptachlorobiphenyls	pg/g	94,370	76,794	70,443	NA	109,479	119,515	109,823	110,899	88,558	82,055
Total Octachlorobiphenyls	pg/g	30,779	34,763	21,386	NA	36,060	37,577	28,099	35,185	30,128	26,926
Total Nonachlorobiphenyls	pg/g	7,724	8,880	5,104	NA	8,595	8,097	6,451	7,985	7,760	7,173
Total Decachlorobiphenyls	pg/g	4,007	5,041	3,153	NA	5,084	6,094	2,968	4,769	4,528	3,656
Total Polychlorobiphenyls	pg/g	943,701	1,109,241	712,142	NA	1,241,394	1,098,247	1,068,547	1,159,394	1,090,084	840,281

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
NA Not Analyzed

Table 9
TOPS
GFF (Particulate) - PCBs-Congeners (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
GFF (Particulate) - PCBs													
PCB-1	pg/g	716	645	993	802	1,005	948 J	1,131	1,119	882 D	NA	1,151	NA
PCB-2	pg/g	291	261	310	259	423	1,183	382	408	319 D	NA	556	NA
PCB-3	pg/g	901	762	1,005	726	1,303	1,590	1,186	1,084	945	NA	1,609	NA
PCB-4	pg/g	1,594	1,717	2,410	2,035	2,570	2,940 J	2,720	2,997	1,905	NA	3,654	NA
PCB-5	pg/g	52	41	51	34	76	140	55	58	59	NA	112	NA
PCB-6	pg/g	1,021	1,040	1,273	1,144	1,558	1,792	1,486	1,720	1,218	NA	2,570	NA
PCB-7	pg/g	132	127	132	114	201	345	169	180	157	NA	373	NA
PCB-8	pg/g	3,856	3,865	4,300	3,893	5,683	6,525	5,215	5,897	4,397	NA	9,275	NA
PCB-9	pg/g	174	172	180	153	262	425	222	242	204	NA	484	NA
PCB-10	pg/g	106	106	151	131	150	133	163	180	125	NA	218	NA
PCB-11	pg/g	5,647	4,873	5,669	4,337	8,203	11,510	7,113	7,502	5,970	NA	13,745	NA
PCB-12/13	pg/g	1,588 C	1,477 C	2,237 C	1,816 C	2,306 C	3,862 C	2,535 C	2,703 C	1,728 C	NA	3,621 C	NA
PCB-14	pg/g	5.7 J	5.2 J	6.6 J	5.6 J	8.5 J	28	7.4 QJ	8.4 QJ	6.5 J	NA	11 J	NA
PCB-15	pg/g	11,222	10,183	15,829	10,896	16,801	15,144	16,853	16,544	12,183	NA	18,773	NA
PCB-16	pg/g	3,116	3,476	3,027	2,493	5,304	6,146	3,822	4,128	3,611	NA	8,157	NA
PCB-17	pg/g	4,459	5,113	4,666	3,841	7,346	8,809	5,719	6,552	5,084	NA	12,180	NA
PCB-18/30	pg/g	7,700 C	8,530 C	7,481 C	6,088 C	12,238 C	13,882 C	9,063 C	10,123 C	8,617 C	NA	19,779 C	NA
PCB-19	pg/g	1,552	1,269	1,485	964	2,042	2,108	1,765	1,545	1,396	NA	2,380	NA
PCB-20/28	pg/g	27,220 CD	30,014 CD	32,199 C	21,634 C	41,838 CD	50,481 CD	38,085 CD	43,570 CD	30,236 CD	NA	68,052 CD	NA
PCB-21/33	pg/g	5,271 C	5,384 C	6,208 C	4,546 C	9,899 C	12,254 C	7,285 C	8,534 C	6,546 C	NA	15,644 C	NA
PCB-22	pg/g	5,581	5,918	7,115	5,173	10,147	11,913	8,174	9,238	6,978	NA	14,750	NA
PCB-23	pg/g	8.7	8.2	11 J	5.1 QJ	19	30	12 J	14 QJ	11	NA	22	NA
PCB-24	pg/g	131	118	121	80	160	227	103	129	134	NA	292	NA
PCB-25	pg/g	2,262	2,447	3,123	2,169	4,052	4,783	3,702	3,964	2,813	NA	6,336	NA
PCB-26/29	pg/g	3,785 C	4,137 C	5,090 C	3,606 C	6,622 C	7,749 C	5,799 C	6,470 C	4,563 C	NA	9,319 C	NA
PCB-27	pg/g	1,146	1,210	1,112	894	1,529	1,641	1,306	1,428	1,098	NA	2,078	NA
PCB-31	pg/g	16,535 D	19,086 D	20,052	14,135	27,343	36,472 D	23,753 D	26,208	20,047 D	NA	49,503 D	NA
PCB-32	pg/g	3,868	4,094	4,357	3,266	5,864	5,931	5,109	5,405	4,918 D	NA	8,627	NA
PCB-34	pg/g	96	106	131	94	178	230	153	172	127	NA	298	NA
PCB-35	pg/g	1,152	805	1,222	700	1,812	2,726	1,247	1,286	1,252	NA	1,888	NA
PCB-36	pg/g	21	1.1 U	29	13 QCJ	30	1.6 U	28	2.5 U	23	NA	5.1 U	NA
PCB-37	pg/g	10,625	8,743	13,419	7,002	16,966	14,008	14,597	12,481	11,740	NA	15,868	NA
PCB-38	pg/g	24	6.2 Q	29	3.3 J	38	26	27	7.1 QJ	24	NA	5.9 QJ	NA
PCB-39	pg/g	190	156	208	124	270	318	215	231	173	NA	316	NA
PCB-40/41/71	pg/g	18,386 C	15,407 C	16,331 C	9,929 C	23,719 C	23,600 C	18,711 C	18,345 C	16,281 C	NA	27,154 C	NA
PCB-42	pg/g	9,253	7,837	8,310	4,834	12,041	11,863	9,687	9,140	8,395	NA	14,527	NA
PCB-43	pg/g	1,271	1,082	1,035	630	1,555	1,666	1,202	1,227	1,053	NA	1,888	NA
PCB-44/47/65	pg/g	34,801 CD	30,388 CD	33,163 C	19,596 C	50,074 CD	50,859 CD	37,952 CD	38,656 C	33,448 CD	NA	57,884 CD	NA
PCB-45/51	pg/g	10,148 C	9,170 C	7,770 C	4,938 C	13,391 C	13,504 C	9,382 C	9,107 C	8,982 C	NA	14,415 C	NA
PCB-46	pg/g	1,815	1,589	1,390	888	2,207	2,385	1,672	1,600	1,540	NA	2,760	NA
PCB-48	pg/g	5,432	4,926	4,492	2,743	7,165	7,824	5,348	5,520	4,918	NA	9,454	NA
PCB-49/69	pg/g	21,012 CD	18,552 CD	20,630 C	11,993 C	30,473 C	31,172 CD	24,152 C	23,914 C	20,711 CD	NA	35,423 C	NA
PCB-50/53	pg/g	5,826 C	5,321 C	4,377 C	2,900 C	7,280 C	7,761 C	5,242 C	5,340 C	4,862 C	NA	8,370 C	NA
PCB-52	pg/g	29,489 D	26,496 D	27,571	16,069	41,014	42,908 D	32,114 D	32,104	28,575 D	NA	50,508 D	NA
PCB-54	pg/g	698	602	582	361	1,046	1,029	697	642	648	NA	919	NA
PCB-55	pg/g	353	2.6 U	389	13 U	534	9.4 U	391	6.4 U	313	NA	5.8 U	NA
PCB-56	pg/g	13,670	10,876	14,268	7,839	19,766	17,921	15,659	14,545	12,958	NA	20,561	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.

4. Qualifiers

- U Not detected; value is reporting limit
- C Co-elution of congeners
- Q Result from a single column for dual column GC/ECD analysis
- J Estimated value; direction of bias unknown.
- D Value from Dilution Analysis
- B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
- NA Not Analyzed

Table 9
TOPS
GFF (Particulate) - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF (Particulate) - PCBs											
PCB-1	pg/g	993	1,266	797	NA	1,419	941	1,009	1,129	1,788	1,086
PCB-2	pg/g	366	431	303	NA	493	354	282	451	628	321
PCB-3	pg/g	1,132	1,414	868	NA	1,431	1,152	654	1,331	1,826	983
PCB-4	pg/g	2,422	3,318	1,874	NA	3,464	2,369	2,701	2,500	4,218	2,704
PCB-5	pg/g	65	77	51	NA	89	73	68	85	72	48
PCB-6	pg/g	1,524	2,054	1,158	NA	2,235	1,454	1,633	1,774	2,319	1,300
PCB-7	pg/g	191	224	138	NA	278	190	1,355	219	245	140
PCB-8	pg/g	5,314	6,842	4,057	NA	8,170	5,222	6,016	6,351	8,144	4,654
PCB-9	pg/g	249	314	183	NA	387	244	286	282	334	198
PCB-10	pg/g	183	232	122	NA	234	152	158	160	257	149
PCB-11	pg/g	8,363	8,311	5,732	NA	8,737	7,483	8,776	9,830	9,677	6,279
PCB-12/13	pg/g	2,207 C	2,986 C	1,852 C	NA	3,204 C	2,153 C	2,523 C	2,783 C	3,579 C	2,344 C
PCB-14	pg/g	6.9 QJ	9.7 J	5.7 J	NA	9.5 J	8.0 J	8.0 J	8.3 J	11 J	7.0 J
PCB-15	pg/g	15,593	18,645	12,236	NA	19,508	15,074	15,435	17,240	21,911	14,392
PCB-16	pg/g	3,833	4,898	2,800	NA	6,562	4,436	5,273	4,275	5,697	3,203
PCB-17	pg/g	5,749	8,106	4,090	NA	9,943	6,299	7,984	5,827	8,345	4,909
PCB-18/30	pg/g	9,292 C	12,641 C	6,471 C	NA	16,315 C	10,573 C	12,961 C	9,588 C	13,366 C	7,381 C
PCB-19	pg/g	1,643	1,786	1,268	NA	2,199	1,755	1,761	2,037	2,593	1,474
PCB-20/28	pg/g	34,264 C	52,302 CD	28,001 CD	NA	61,124 CD	38,116 CD	41,357 CD	44,964 CD	48,753 C	31,220 CD
PCB-21/33	pg/g	7,172 C	10,223 CB	5,578 C	NA	13,714 C	7,968 C	10,389 C	8,953 C	11,211 C	7,080 C
PCB-22	pg/g	7,579	10,682	5,975	NA	13,005	8,646	10,587	8,963	11,613	7,637
PCB-23	pg/g	14 J	19 Q	10.0 J	NA	27	14	18	14	3.2 U	10 J
PCB-24	pg/g	115	163	91	NA	229	167	182	107	169	122
PCB-25	pg/g	3,484	4,804	2,778	NA	5,391	3,607	4,334	4,244	5,021	3,215
PCB-26/29	pg/g	5,198 C	7,758 C	4,156 C	NA	8,926 C	5,664 C	6,955 C	6,059 C	7,669 C	5,258 C
PCB-27	pg/g	1,353	1,707	990	NA	1,986	1,346	1,563	1,603	2,009	1,094
PCB-31	pg/g	20,326	30,970	17,638 D	NA	43,153 D	24,011 D	28,495 D	27,120 D	31,041	20,195
PCB-32	pg/g	5,052	6,447	3,406	NA	7,271	5,405	6,134	5,424	6,920	4,213
PCB-34	pg/g	149	216	115	NA	240	160	204	164	206	143
PCB-35	pg/g	1,182	1,359	956	NA	1,596	1,421	1,435	1,613	1,442	1,358
PCB-36	pg/g	25 J	2.8 U	21	NA	2.2 U	27	2.2 U	28	2.7 U	23
PCB-37	pg/g	13,996	14,458	10,991 D	NA	16,079	14,213	13,456	17,139 D	14,717	12,186
PCB-38	pg/g	27 J	8.3 Q	20	NA	8.6 J	28 Q	6.7 J	35	8.0 Q	24
PCB-39	pg/g	195	269	152	NA	281	234	246	255	252	224
PCB-40/41/71	pg/g	17,306 C	21,332 C	13,229 C	NA	24,000 C	19,596 C	21,767 C	23,188 CD	23,007 C	15,900 C
PCB-42	pg/g	9,001	11,187	6,901	NA	12,414	10,143	11,279	11,695	11,832	8,020
PCB-43	pg/g	1,127	1,383	830	NA	1,643	1,281	1,445	1,381	1,499	1,093
PCB-44/47/65	pg/g	36,006 C	43,927 C	27,780 CD	NA	50,838 CD	43,069 CD	50,756 CD	47,283 CD	45,466 C	31,801 C
PCB-45/51	pg/g	9,263 C	11,013 C	6,526 C	NA	11,941 C	10,713 C	12,763 C	11,695 C	12,033 C	7,219 C
PCB-46	pg/g	1,664	1,975	1,224	NA	2,282	1,863	2,078	2,107	2,282	1,323
PCB-48	pg/g	5,023	6,652	3,748	NA	7,874	5,987	6,995	6,009	6,701	4,619
PCB-49/69	pg/g	22,300 C	28,126 C	17,307 CD	NA	32,040 CD	26,810 CD	28,297 CD	29,338 CD	28,119 C	19,962 C
PCB-50/53	pg/g	5,111 C	6,447 C	3,693 C	NA	7,176 C	5,954 C	6,787 C	6,523 C	7,085 C	4,120 C
PCB-52	pg/g	29,618	38,239	23,591 D	NA	44,217 D	37,039 D	38,290 D	40,428 D	39,075	26,926
PCB-54	pg/g	671	725	469	NA	738	806	862	824	895	548
PCB-55	pg/g	372	8.7 U	258	NA	5.6 U	398	6.2 U	383	10 U	386
PCB-56	pg/g	13,822	17,539	10,704	NA	17,143	15,612	17,018	17,845 D	17,693	13,811

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - C Co-elution of congeners
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
 - NA Not Analyzed

Table 9
TOPS
GFF (Particulate) - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF (Particulate) - PCBs cont.											
PCB-57	pg/g	159	194	126	NA	184	202	161	208	174	165
PCB-58	pg/g	122	131	92	NA	145	110	136	135	114	100
PCB-59/62/75	pg/g	2,904 C	3,571 C	2,227 C	NA	4,008 C	3,284 C	3,562 C	3,710 C	3,725 C	2,623 C
PCB-60	pg/g	4,965	7,221	3,913	NA	7,106	6,191	7,015	6,281	6,975	5,281
PCB-61/70/74/76	pg/g	47,040 C	65,259 CD	36,930 CD	NA	67,153 CD	56,958 CBD	57,088 CD	60,389 CD	53,683 CD	44,683 CD
PCB-63	pg/g	1,211	1,580	913	NA	1,643	1,410	1,494	1,422	1,464	1,230
PCB-64	pg/g	12,196	15,801	9,007	NA	17,380	14,751	16,127	14,417	16,233	11,722
PCB-66	pg/g	28,137	37,133	23,591 D	NA	42,799	34,455 BD	35,025 D	40,125 D	36,336	26,346
PCB-67	pg/g	1,048	1,356	828	NA	1,466	1,195	1,365	1,351	1,284	997
PCB-68	pg/g	360	458	274	NA	462	404	1,504	467	404	349
PCB-72	pg/g	354	468	278	NA	482	390	439	443	409	339
PCB-73	pg/g	188	0.78 U	127	NA	0.47 U	194	0.39 U	221	1.2 U	130
PCB-77	pg/g	5,285	5,862	3,902	NA	6,361	6,148	6,006	6,261	5,240	7,509
PCB-78	pg/g	3.7 U	8.2 U	1.7 U	NA	5.2 U	2.3 U	5.8 U	2.3 U	9.4 U	5.9 U
PCB-79	pg/g	331	382	258	NA	384	349 Q	329	412	354	399
PCB-80	pg/g	3.3 U	7.4 U	1.5 U	NA	4.7 U	2.0 U	5.3 U	2.0 U	8.5 U	5.2 U
PCB-81	pg/g	110	128	106	NA	116	157	130	158	112	128
PCB-82	pg/g	3,775	4,440	2,866	NA	4,658	4,350	3,878	4,587	4,346	3,470
PCB-83/99	pg/g	21,836 C	25,124 C	16,646 CD	NA	25,183 C	23,257 C	21,173 C	25,406 CD	23,555 C	18,222 C
PCB-84	pg/g	7,637	9,259	5,688	NA	9,789	8,549	8,153	9,245	9,495	6,627
PCB-85/116/117	pg/g	5,982 C	6,763 C	4,564 C	NA	7,236 C	6,816 C	5,996 C	7,067 C	6,427 C	5,234 C
PCB-86/87/97/108/119/125	pg/g	21,400 CD	23,386 C	16,095 CD	NA	23,764 CG	23,149 CD	20,184 CG	24,801 CD	22,276 CG	18,454 CD
PCB-88/91	pg/g	6,069 C	6,731 C	4,178 C	NA	6,964 C	6,223 C	5,778 C	6,795 C	6,719 C	4,828 C
PCB-89	pg/g	462	581	359	NA	617	545	509	583	573	410
PCB-90/101/113	pg/g	31,360 C	36,343 C	25,134 CD	NA	40,789 CD	37,254 CD	32,056 CD	39,722 CD	35,058 C	26,230 C
PCB-92	pg/g	5,691	7,016	4,354	NA	7,212	6,816	6,105	7,057	6,592	5,327
PCB-93/95/98/100/102	pg/g	26,046 C	30,812 C	20,284 D	NA	34,759 CD	31,009 CD	27,010 CD	33,068 CD	30,128 C	21,819 C
PCB-94	pg/g	642	762	472	NA	817	759	709	814	752	542
PCB-96	pg/g	441	479	305	NA	550	495	442	522	500	335
PCB-103	pg/g	897	984	618	NA	1,023	996	910	1,059	939	700
PCB-104	pg/g	305	292	208	NA	287	336	332	367	287	245
PCB-105	pg/g	12,863	13,889	9,392	NA	14,306	14,213	13,654	15,324 D	12,836	11,165
PCB-106	pg/g	5.1 U	7.6 U	3.1 U	NA	7.9 U	3.0 U	6.8 U	2.7 U	15 U	8.1 U
PCB-107/124	pg/g	1,095 C	1,294 C	835 C	NA	1,348 C	1,249 C	1,098 C	1,321 C	1,192 C	978 C
PCB-109	pg/g	2,018	2,623	1,554	NA	2,696	2,293	2,226	2,420	2,355	1,753
PCB-110/115	pg/g	33,973 C	42,663 CD	26,788 CD	NA	44,572 CD	38,439 CD	32,551 CD	41,637 CD	38,345 C	31,104 CD
PCB-111	pg/g	30	21 Q	21	NA	21	32	18 Q	34	17 QJ	28 Q
PCB-112	pg/g	5.0 U	7.2 U	2.3 U	NA	4.4 U	3.8 U	3.5 U	3.1 U	5.1 U	2.4 U
PCB-114	pg/g	723	771	546	NA	796	855	771	874	712	653
PCB-118	pg/g	28,834	34,289 D	21,166 BD	NA	35,114 CD	30,686 D	18,897 D	34,580 D	28,850	24,489 D
PCB-120	pg/g	183	132	101	NA	138	144	112	158	111	116
PCB-121	pg/g	27 J	31	20	NA	33	31	27	33	28 Q	21
PCB-122	pg/g	430	517	324	NA	507	472	427	493	451	383
PCB-123	pg/g	645	578	489	NA	601	729	573	719	564	562
PCB-126	pg/g	142	131	108	NA	130	167	119	156	93	133
PCB-127	pg/g	5.0 U	7.5 U	3.1 U	NA	7.9 U	2.9 U	6.7 U	2.7 U	15 U	8.1 U
PCB-128/166	pg/g	5,052 C	5,641 C	3,814 C	NA	5,935 C	6,751 C	5,837 C	6,664 C	5,021 C	4,642 C
PCB-129/138/160/163	pg/g	37,167 C	40,767 C	27,780 CD	NA	41,143 C	46,083 C	42,445 CD	46,477 CD	37,979 C	33,658 C
PCB-130	pg/g	2,082	2,433	1,554	NA	2,518	2,552	2,464	2,601	2,209	1,973
PCB-131	pg/g	392	484	295	NA	494	489	468	488	469	359
PCB-132	pg/g	11,760	13,779	8,147	NA	13,951	14,105	13,950	13,812	13,037	10,097
PCB-133	pg/g	627	736	459	NA	750	757	742	784	656	540
PCB-134/143	pg/g	1,803 C	2,086 C	1,323 C	NA	2,022 C	2,240 C	2,137 C	2,218 C	1,935 C	1,625 C
PCB-135/151/154	pg/g	14,315 C	15,185 C	9,436 C	NA	15,251 C	16,797 C	15,534 C	16,433 C	14,023 C	11,838 C
PCB-136	pg/g	4,559	5,183	3,230	NA	5,249	5,814	5,244	5,595	4,912	3,876
PCB-137	pg/g	1,533	1,628	1,146	NA	1,513	1,852	1,504	1,754	1,285	1,439
PCB-139/140	pg/g	618 C	738 C	460 C	NA	757 C	752 C	727 C	758 C	666 C	536 C

Notes:

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2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers

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- J Estimated value; direction of bias unknown.
- D Value from Dilution Analysis
- B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
- NA Not Analyzed

**Table 9
TOPS
GFF (Particulate) - PCBs-Congeners (calculated)**

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte													
Units													
GFF (Particulate) - PCBs cont.													
PCB-141	pg/g	6,387	5,086	6,073	2,665	12,238	8,342	6,754	5,946	5,804	NA	8,526	NA
PCB-142	pg/g	10 U	5.9 U	14 U	9.0 U	19 U	11 U	13 U	10 U	8.2 U	NA	13 U	NA
PCB-144	pg/g	1,600	1,439	1,176	679	2,504	2,297	1,645	1,551	1,185	NA	1,542	NA
PCB-145	pg/g	13	11	13 J	7.0 J	19	39	13 J	14 J	12	NA	18	NA
PCB-146	pg/g	5,140	4,542	5,225	2,247	9,471	8,645	5,839	5,553	5,062	NA	7,822	NA
PCB-147/149	pg/g	32,652 CD	27,136 CD	28,343 C	13,221 C	53,698 C	43,035 C	32,246 C	30,466 CB	27,135 C	NA	38,887 C	NA
PCB-148	pg/g	132	124	122	54	214	228	149	174	136	NA	196	NA
PCB-150	pg/g	134	151	163	70	247	307	191	183	148	NA	268	NA
PCB-152	pg/g	131	114	116	53	199	217	135	142	120	NA	140	NA
PCB-153/168	pg/g	35,219 CD	29,108 CD	31,813 C	14,162 C	60,286 C	46,568 CD	35,697 C	34,070 C	32,341 CD	NA	44,586 C	NA
PCB-155	pg/g	353	345	345	166	545	887	579	1,019	450	NA	1,497	NA
PCB-156/157	pg/g	4,220 C	3,337 C	3,818 C	1,675 C	6,473 C	5,212 C	4,233 C	4,046 C	3,865 C	NA	5,140 C	NA
PCB-158	pg/g	3,420	2,767	3,046	1,408	5,567	4,203	3,490	3,309	3,090	NA	4,369	NA
PCB-159	pg/g	504	4.2 U	447	194	1,000	562	507	7.2 U	439	NA	536	NA
PCB-161	pg/g	6.9 U	4.2 U	9.2 U	6.4 U	13 U	8.0 U	9.0 U	7.2 U	5.6 U	NA	8.7 U	NA
PCB-162	pg/g	267 Q	226 Q	266 Q	125 Q	432 Q	540 Q	346 Q	326 Q	259 Q	NA	460 Q	NA
PCB-164	pg/g	2,441	2,100	2,372	1,053	4,233	3,609	2,641	2,588	2,270	NA	3,531	NA
PCB-165	pg/g	7.9 U	4.6 U	10 U	7.4 QJ	14 U	40 Q	10 U	21	15 Q	NA	10 U	NA
PCB-167	pg/g	1,480	1,157	1,321	577	2,257	2,183	1,486	1,399	1,329	NA	1,754	NA
PCB-169	pg/g	38 U	24 U	39 U	12 U	72 U	58 U	34 U	29 U	26 U	NA	36 U	NA
PCB-170	pg/g	10,805	8,370	9,814	4,442	20,919	11,320	10,377	10,450	9,403	NA	12,739	NA
PCB-171/173	pg/g	3,289 C	2,714 C	3,008 C	1,351 C	6,720 C	4,152 C	3,371 C	3,243 C	3,190 C	NA	4,067 C	NA
PCB-172	pg/g	1,988	1,583	1,863	763	4,036	2,776	2,030	1,949	1,850	NA	2,436	NA
PCB-174	pg/g	11,163	9,703	10,315	4,729	24,213	14,639	11,558	11,269	10,378	NA	14,192	NA
PCB-175	pg/g	516	412	465	188	949	803	484	472	451	NA	610	NA
PCB-176	pg/g	1,480	1,253	1,386	611	2,998	2,158	1,486	1,396	1,373	NA	1,877	NA
PCB-177	pg/g	6,566	5,384	6,633	2,770	14,133	8,228	7,166	6,552	6,479	NA	8,213	NA
PCB-178	pg/g	2,543	2,116	2,468	1,032	5,238	3,635	2,681	2,572	2,503	NA	3,218	NA
PCB-179	pg/g	4,931	4,276	4,839	2,080	10,591	7,042	5,308	4,848	4,862	NA	6,403	NA
PCB-180/193	pg/g	27,519 CD	19,459 CD	25,065 C	10,059 C	52,874 CD	27,764 C	26,806 C	24,242 C	23,702 CD	NA	31,624 CD	NA
PCB-181	pg/g	98	81	90	40	143	136	94	102	92	NA	114	NA
PCB-182	pg/g	86	59	83	27	131	221	89	73	80	NA	2.1 U	NA
PCB-183/185	pg/g	8,297 C	6,877 C	7,867 C	3,501 C	17,131 C	10,513 C	8,400 C	8,386 C	7,764 C	NA	10,269 C	NA
PCB-184	pg/g	117	104	121	45	178	188	129	135	119	NA	137	NA
PCB-186	pg/g	0.82 U	0.43 U	13 QJ	0.95 U	26 Q	13	1.2 U	1.1 U	16 Q	NA	1.7 U	NA
PCB-187	pg/g	15,998	13,008	15,347	6,454	32,449	19,687	16,455	16,331	14,288	NA	20,002	NA
PCB-188	pg/g	52	39	49	21 J	74	107	58	62	50	NA	74	NA
PCB-189	pg/g	435	306	388	146	815	577	433	373	391	NA	477	NA
PCB-190	pg/g	2,406	1,754	2,082	925	4,513	1,880	2,309	2,162	2,115	NA	2,704	NA
PCB-191	pg/g	458	358	418	183	878	538	449	439	414	NA	555	NA
PCB-192	pg/g	0.93 U	0.47 U	1.1 U	1.0 U	1.9 U	1.6 U	1.2 U	1.2 U	1.2 U	NA	1.9 U	NA
PCB-194	pg/g	6,865	5,230	5,611	2,514	12,749	6,348	6,569	6,404	5,948	NA	7,766	NA
PCB-195	pg/g	2,632	2,100	2,102	982	5,057	2,373	2,428	2,506	2,270	NA	2,939	NA
PCB-196	pg/g	3,689	3,055	2,911	1,414	7,330	4,417	3,530	3,554	3,068	NA	4,392	NA
PCB-197/200	pg/g	1,218 C	1,013 C	1,043 C	449 C	2,454 C	1,628 C	1,226 C	1,151 C	1,075 C	NA	1,453 C	NA
PCB-198/199	pg/g	9,133 C	7,517 C	7,635 C	3,423 C	17,460 C	10,424 C	8,811 C	8,534 C	8,085 C	NA	10,482 C	NA
PCB-201	pg/g	1,069	901	902	400	2,026	1,742	1,034	1,040	934	NA	1,274	NA
PCB-202	pg/g	2,083	1,818	1,891	862	3,624	2,638	2,136	2,162	1,916	NA	2,581	NA
PCB-203	pg/g	5,546	4,558	4,647	2,106	10,064	5,250	5,056	5,274	4,685	NA	6,347	NA
PCB-204	pg/g	7.5	6.7	7.4 J	4.2 J	12 QJ	40	7.4 J	8.7 J	6.3 J	NA	9.9 J	NA
PCB-205	pg/g	352	284	305	130	693	339	346	329	311	NA	397	NA
PCB-206	pg/g	4,244	4,105	4,531	1,981	7,396	4,884	4,751	5,176	4,619	NA	5,408	NA
PCB-207	pg/g	526	489	513	215	889	1,128	559	559	518	NA	624	NA
PCB-208	pg/g	2,006	1,754	1,928	755	3,014	2,499	2,070	2,015	1,983	NA	2,280	NA
PCB-209	pg/g	4,179	3,673	4,300	1,534	6,160	3,988	4,432	5,995	3,954	NA	4,514	NA

Notes:

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3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - C Co-elution of congeners
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
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Table 9
TOPS
GFF (Particulate) - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
GFF (Particulate) - PCBs cont.											
PCB-141	pg/g	6,533	7,063	4,674	NA	6,916	8,377	7,480	7,844	6,409	5,664
PCB-142	pg/g	16 U	13 U	6.1 U	NA	6.6 U	8.8 U	9.6 U	11 U	9.8 U	18 U
PCB-144	pg/g	1,263	1,391	950	NA	1,301	1,701	1,375	1,976	1,253	1,416
PCB-145	pg/g	13 J	17	9.5 J	NA	16	16	14 Q	16	14 J	12
PCB-146	pg/g	5,895	6,621	4,068	NA	6,893	6,999	6,748	6,987	6,190	5,432
PCB-147/149	pg/g	32,521 C	34,447 C	22,378 C	NA	34,404 C	38,762 C	34,431 C	40,226 CD	32,502 C	28,087 C
PCB-148	pg/g	183	166	106	NA	170	177	171	189	153	118
PCB-150	pg/g	415	209	143	NA	223	214	216	234	195	144
PCB-152	pg/g	131	143	91	NA	130	162	140	171	136	108
PCB-153/168	pg/g	37,458 C	38,081 C	25,355 CD	NA	43,035 CD	43,392 C	38,982 CD	43,150 CD	36,154 CB	30,640 C
PCB-155	pg/g	816	664	493	NA	669	738	738	747	557	447
PCB-156/157	pg/g	4,152 C	4,598 C	3,065 C	NA	4,776 C	4,824 C	4,650 C	4,880 C	3,999 C	3,633 C
PCB-158	pg/g	3,339	3,887	2,513	NA	3,984	4,199	3,967	4,133	3,488	3,064
PCB-159	pg/g	499	449	338	NA	4.3 U	634	507	565	438	432
PCB-161	pg/g	11 U	8.4 U	4.1 U	NA	4.2 U	6.0 U	6.2 U	7.8 U	6.3 U	12 U
PCB-162	pg/g	369 Q	485 Q	303 Q	NA	432 Q	402 Q	372 Q	447 Q	407 Q	253 Q
PCB-164	pg/g	2,500	3,034	1,841	NA	3,204	3,122	3,196	3,186	2,848	2,194
PCB-165	pg/g	12 U	9.8 U	14 Q	NA	5.0 U	22 Q	7.2 U	8.8 U	7.4 U	17 Q
PCB-167	pg/g	1,498	1,628	1,087	NA	1,679	1,884	1,613	1,905	1,419	1,288
PCB-169	pg/g	29 U	314,443 U	21 U	NA	30 U	35 U	32 U	33 U	25 U	34 U
PCB-170	pg/g	9,495	11,219	7,838	NA	11,752	13,136	11,873	12,098	9,331	8,716
PCB-171/173	pg/g	3,136 C	3,555 C	2,502 C	NA	3,724 C	4,231 C	3,789 C	3,942 C	2,976 C	2,797 C
PCB-172	pg/g	1,867	2,086	1,400	NA	2,211	2,498	2,246	2,359	1,747	1,683
PCB-174	pg/g	10,889	12,088	8,312	NA	12,769	14,320	13,060	13,409	10,371	9,436
PCB-175	pg/g	467	542	363	NA	564	627	576	564	456	433
PCB-176	pg/g	1,426	1,643	1,113	NA	1,726	1,949	1,751	1,784	1,411	1,230
PCB-177	pg/g	6,853	7,095	5,126	NA	7,472	8,657	7,539	7,833	6,044	5,397
PCB-178	pg/g	2,544	2,860	1,874	NA	3,003	3,219	3,018	3,115	2,428	2,136
PCB-179	pg/g	4,965	5,625	3,748	NA	5,864	6,493	5,976	6,331	4,894	4,225
PCB-180/193	pg/g	24,885 C	1.4 CU	17,969 CD	NA	29,202 CD	31,332 CD	28,198 CD	27,624 CD	23,007 C	22,052 C
PCB-181	pg/g	94	103	70	NA	109	86	107	94	94	74
PCB-182	pg/g	85	73	62	NA	1.1 U	99	73	106	65	83
PCB-183/185	pg/g	8,508 C	9,054 C	6,173 C	NA	9,328 C	10,250 C	9,567 C	9,426 C	7,705 C	7,022 C
PCB-184	pg/g	109	127	67	NA	110	100	105	109	85	76
PCB-186	pg/g	4.9 U	1.3 U	12 Q	NA	0.92 U	1.7 U	0.64 U	21 Q	1.4 U	0.81 U
PCB-187	pg/g	15,970	17,381	11,465	NA	18,089	19,058	18,403	18,449	15,119	14,159
PCB-188	pg/g	118	62	61	NA	71	61	66	73	61	47
PCB-189	pg/g	427	419	308	NA	454	516	446	498	374	344
PCB-190	pg/g	2,123	2,370	1,632	NA	2,495	2,853	2,483	2,591	1,990	1,822
PCB-191	pg/g	447	488	332	NA	514	562	519	517	407	382
PCB-192	pg/g	5.2 U	1.4 U	1.6 U	NA	1.0 U	1.8 U	0.71 U	1.7 U	1.6 U	0.91 U
PCB-194	pg/g	6,911	7,000	4,520	NA	7,460	7,871	5,768	7,098	6,373	5,455
PCB-195	pg/g	2,512	2,718	1,709	NA	2,814	3,058	2,196	2,682	2,428	2,043
PCB-196	pg/g	3,484	3,919	2,414	NA	4,114	4,307	3,265	3,972	3,415	2,925
PCB-197/200	pg/g	1,138 C	1,307 C	842 C	NA	1,360 C	1,400 C	1,078 C	1,341 C	1,150 C	1,024 C
PCB-198/199	pg/g	8,188 C	9,765 C	5,909 C	NA	10,061 C	10,767 C	7,975 C	10,183 C	8,180 C	7,741 C
PCB-201	pg/g	955	1,198	704	NA	1,230	1,249	969	1,180	1,024	889
PCB-202	pg/g	2,108	2,497	1,488	NA	2,577	2,390	1,583	2,349	2,173	1,845
PCB-203	pg/g	5,198	6,004	3,539	NA	6,077	6,159	4,907	6,009	5,094	4,735
PCB-204	pg/g	8.1 J	9.1 J	5.1 QJ	NA	8.6 J	8.5 J	6.1 J	8.5 J	9.7 J	6.8 J
PCB-205	pg/g	377	352	238	NA	371	420	378	399	318	280
PCB-206	pg/g	5,140	5,783	3,296	NA	5,498	5,147	3,542	5,051	5,040	4,561
PCB-207	pg/g	592	649	385	NA	646	635	503	605	588	516
PCB-208	pg/g	1,989	2,449	1,422	NA	2,447	2,315	2,404	2,329	2,136	2,089
PCB-209	pg/g	4,007	5,041	3,153	NA	5,084	6,094	2,968	4,769	4,528	3,656

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - C Co-elution of congeners
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown.
 - D Value from Dilution Analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
 - NA Not Analyzed

Table 10
TOPS
XAD - PCDD/DFs (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
XAD - PCDD/DFs													
Total Tetra-Dioxins	pg/L	0.34 EMPC	0.38 EMPC	NA	NA	NA	0.30 EMPC	NA	NA	0.32 EMPC	NA	0.30 EMPC	NA
Total Tetra-Furans	pg/L	0.31	0.57	NA	NA	NA	0.29	NA	NA	0.48	NA	0.47	NA
Total Penta-Dioxins	pg/L	0.059 U	0.052 U	NA	NA	NA	0.098 U	NA	NA	0.059 U	NA	0.051 U	NA
Total Penta-Furans	pg/L	0.14 EMPC	0.25 EMPC	NA	NA	NA	0.24 EMPC	NA	NA	0.22 EMPC	NA	0.13 EMPC	NA
Total Hexa-Dioxins	pg/L	0.12 U	0.10 U	NA	NA	NA	0.23	NA	NA	0.12 U	NA	0.10 U	NA
Total Hexa-Furans	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
Total Hepta-Dioxins	pg/L	0.50	0.44	NA	NA	NA	0.30	NA	NA	0.21	NA	0.15 U	NA
Total Hepta-Furans	pg/L	0.18 U	0.16 U	NA	NA	NA	1.4 EMPC	NA	NA	0.18 U	NA	0.15 U	NA
OCDF	pg/L	0.30 U	0.26 U	NA	NA	NA	0.49 U	NA	NA	0.30 U	NA	0.26 U	NA
OCDD	pg/L	1.4 J	1.2 J	NA	NA	NA	1.5 J	NA	NA	1.1 J	NA	0.85 J	NA
2,3,7,8-TCDD	pg/L	0.19 JEMPC	0.21 JEMPC	NA	NA	NA	0.20 JEMPC	NA	NA	0.16 J	NA	0.14 JEMPC	NA
2,3,7,8-TCDF	pg/L	0.096 U	0.097 U	NA	NA	NA	0.13 U	NA	NA	0.077 U	NA	0.081 U	NA
1,2,3,7,8-PECDD	pg/L	0.059 U	0.052 U	NA	NA	NA	0.098 U	NA	NA	0.059 U	NA	0.051 U	NA
1,2,3,7,8-PECDF	pg/L	0.059 U	0.052 U	NA	NA	NA	0.098 U	NA	NA	0.059 U	NA	0.051 U	NA
2,3,4,7,8-PECDF	pg/L	0.059 U	0.075 J	NA	NA	NA	0.11 JEMPC	NA	NA	0.065 J	NA	0.051 U	NA
1,2,3,4,7,8-HXCDD	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
1,2,3,6,7,8-HXCDD	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
1,2,3,7,8,9-HXCDD	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
1,2,3,4,7,8-HXCDF	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
1,2,3,6,7,8-HXCDF	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
1,2,3,7,8,9-HXCDF	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
2,3,4,6,7,8-HXCDF	pg/L	0.12 U	0.10 U	NA	NA	NA	0.20 U	NA	NA	0.12 U	NA	0.10 U	NA
1,2,3,4,6,7,8-HPCDD	pg/L	0.28 J	0.25 J	NA	NA	NA	0.30 J	NA	NA	0.21 J	NA	0.15 U	NA
1,2,3,4,6,7,8-HPCDF	pg/L	0.18 U	0.16 U	NA	NA	NA	1.4 JEMPC	NA	NA	0.18 U	NA	0.15 U	NA
1,2,3,4,7,8,9-HPCDF	pg/L	0.18 U	0.16 U	NA	NA	NA	0.29 U	NA	NA	0.18 U	NA	0.15 U	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown
 - EMPC Estimated Maximum Possible Concentration
 - NA Not Analyzed

Table 10 cont.
TOPS
XAD - PCDD/DFs (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb
Analyte	Units									
XAD - PCDD/DFs										
Total Tetra-Dioxins	pg/L	0.36 EMPC	NA	0.24 EMPC	NA	NA	0.31	NA	NA	0.22 EMPC
Total Tetra-Furans	pg/L	0.49	NA	0.35	NA	NA	0.52 BEMPC	NA	NA	0.29
Total Penta-Dioxins	pg/L	0.055	NA	0.039 U	NA	NA	0.056	NA	NA	0.030 U
Total Penta-Furans	pg/L	0.14	NA	0.16 EMPC	NA	NA	0.20 EMPC	NA	NA	0.070 EMPC
Total Hexa-Dioxins	pg/L	0.11 U	NA	0.087	NA	NA	0.10 U	NA	NA	0.060 U
Total Hexa-Furans	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
Total Hepta-Dioxins	pg/L	0.17	NA	0.12 U	NA	NA	0.52	NA	NA	0.090 U
Total Hepta-Furans	pg/L	0.23 EMPC	NA	0.14 EMPC	NA	NA	0.32 EMPC	NA	NA	0.090 U
OCDF	pg/L	0.27 U	NA	0.19 U	NA	NA	0.25 U	NA	NA	0.15 U
OCDD	pg/L	1.2 J	NA	0.71 J	NA	NA	1.6 J	NA	NA	0.44 J
2,3,7,8-TCDD	pg/L	0.16 JEMPC	NA	0.12 JEMPC	NA	NA	0.16 J	NA	NA	0.11 JEMPC
2,3,7,8-TCDF	pg/L	0.070 U	NA	0.063 U	NA	NA	0.074 U	NA	NA	0.038 U
1,2,3,7,8-PECDD	pg/L	0.053 U	NA	0.039 U	NA	NA	0.050 U	NA	NA	0.030 U
1,2,3,7,8-PECDF	pg/L	0.053 U	NA	0.039 U	NA	NA	0.050 U	NA	NA	0.030 U
2,3,4,7,8-PECDF	pg/L	0.053 U	NA	0.049 JEMPC	NA	NA	0.060 JEMPC	NA	NA	0.030 U
1,2,3,4,7,8-HXCDD	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
1,2,3,6,7,8-HXCDD	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
1,2,3,7,8,9-HXCDD	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
1,2,3,4,7,8-HXCDF	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
1,2,3,6,7,8-HXCDF	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
1,2,3,7,8,9-HXCDF	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
2,3,4,6,7,8-HXCDF	pg/L	0.11 U	NA	0.077 U	NA	NA	0.10 U	NA	NA	0.060 U
1,2,3,4,6,7,8-HPCDD	pg/L	0.16 U	NA	0.12 U	NA	NA	0.24 J	NA	NA	0.090 U
1,2,3,4,6,7,8-HPCDF	pg/L	0.23 JEMPC	NA	0.14 JEMPC	NA	NA	0.32 JEMPC	NA	NA	0.090 U
1,2,3,4,7,8,9-HPCDF	pg/L	0.16 U	NA	0.12 U	NA	NA	0.15 U	NA	NA	0.090 U

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown
 - EMPC Estimated Maximum Possible Concentration
 - NA Not Analyzed

Table 11
TOPS
XAD - Pesticides (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
XAD - Pesticides													
2,4'-DDD	ng/L	0.16 U	0.20 U	NA	NA	NA	0.24 U	NA	NA	0.16 U	NA	0.13 U	NA
2,4'-DDE	ng/L	0.063	0.13 U	NA	NA	NA	0.093	NA	NA	0.057 Q	NA	0.066	NA
2,4'-DDT	ng/L	0.024 U	0.051 J	NA	NA	NA	0.019 U	NA	NA	0.020 U	NA	0.027 U	NA
4,4'-DDD	ng/L	0.26	0.31	NA	NA	NA	0.23	NA	NA	0.25	NA	0.27	NA
4,4'-DDE	ng/L	0.15	0.22 U	NA	NA	NA	0.15 U	NA	NA	0.13	NA	0.11 U	NA
4,4'-DDT	ng/L	0.039 J	0.048 J	NA	NA	NA	0.031 J	NA	NA	0.024 J	NA	0.028 U	NA
Aldrin	ng/L	0.053 U	0.073 QJ	NA	NA	NA	0.14 U	NA	NA	0.079 QJ	NA	0.081 U	NA
Chlordane, alpha (cis)	ng/L	0.45	0.52	NA	NA	NA	0.38	NA	NA	0.32	NA	0.29	NA
Chlordane, gamma (trans)	ng/L	0.30	0.36	NA	NA	NA	0.28	NA	NA	0.25	NA	0.23	NA
Chlordane, oxy-	ng/L	0.26 U	0.19 U	NA	NA	NA	0.21 U	NA	NA	0.24 U	NA	0.23 U	NA
Dieldrin	ng/L	0.95	1.1	NA	NA	NA	0.48 Q	NA	NA	0.80	NA	0.68	NA
alpha-Endosulphan	ng/L	0.019 U	0.028 U	NA	NA	NA	0.020 U	NA	NA	0.010 U	NA	0.0078 U	NA
beta-Endosulphan	ng/L	0.021 U	0.059 U	NA	NA	NA	0.022 U	NA	NA	0.012 U	NA	0.0090 U	NA
Endosulphan Sulfate	ng/L	0.095 Q	0.16 Q	NA	NA	NA	0.13 J	NA	NA	0.12	NA	0.12	NA
Endrin	ng/L	0.027 U	0.073 U	NA	NA	NA	0.026 U	NA	NA	0.015 U	NA	0.011 U	NA
Endrin Aldehyde	ng/L	0.042	0.22 Q	NA	NA	NA	0.18 U	NA	NA	0.022 U	NA	0.17 U	NA
Endrin Ketone	ng/L	0.078 J	0.23 U	NA	NA	NA	0.098 U	NA	NA	0.069 J	NA	0.068 J	NA
HCH, alpha	ng/L	0.11 U	0.10 Q	NA	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA
HCH, beta	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	NA
HCH, gamma (lindane)	ng/L	0.43 U	0.54 U	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA
Heptachlor	ng/L	0.76 U	0.56 U	NA	NA	NA	0.58 U	NA	NA	0.31 U	NA	0.31 U	NA
Heptachlor Epoxide	ng/L	0.97	1.1	NA	NA	NA	0.60	NA	NA	0.40 Q	NA	0.41 Q	NA
Hexachlorobenzene	ng/L	0.070	0.072	NA	NA	NA	0.11 Q	NA	NA	0.064	NA	0.074	NA
Methoxychlor	ng/L	0.017 U	0.26 U	NA	NA	NA	0.20 U	NA	NA	0.010 U	NA	0.017 U	NA
Mirex	ng/L	0.033 U	0.033 U	NA	NA	NA	0.031 U	NA	NA	0.039 U	NA	0.016 U	NA
Nonachlor, cis-	ng/L	0.050 J	0.054 U	NA	NA	NA	0.048 J	NA	NA	0.044 J	NA	0.042 J	NA
Nonachlor, trans-	ng/L	0.16	0.18	NA	NA	NA	0.12 J	NA	NA	0.12	NA	0.11	NA
Total Toxaphene	ng/L	3.5 U	3.3 U	NA	NA	NA	7.6 U	NA	NA	3.5 U	NA	5.5 U	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

Table 11 cont.
TOPS
XAD - Pesticides (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
XAD - Pesticides											
2,4'-DDD	ng/L	0.13	NA	0.17 U	NA	NA	NA	0.20 U	NA	NA	0.13 U
2,4'-DDE	ng/L	0.059	NA	0.11 U	NA	NA	NA	0.067	NA	NA	0.071 Q
2,4'-DDT	ng/L	0.024 U	NA	0.020 U	NA	NA	NA	0.021 U	NA	NA	0.0058 U
4,4'-DDD	ng/L	0.25	NA	0.26	NA	NA	NA	0.29	NA	NA	0.22
4,4'-DDE	ng/L	0.14	NA	0.11 U	NA	NA	NA	0.15	NA	NA	0.11
4,4'-DDT	ng/L	0.025 U	NA	0.83 Q	NA	NA	NA	0.022 U	NA	NA	0.0090 J
Aldrin	ng/L	0.085 U	NA	0.032 U	NA	NA	NA	0.085 U	NA	NA	0.021 U
Chlordane, alpha (cis)	ng/L	0.31	NA	0.26	NA	NA	NA	1.1	NA	NA	0.48
Chlordane, gamma (trans)	ng/L	0.24	NA	0.17	NA	NA	NA	1.4	NA	NA	0.46
Chlordane, oxy-	ng/L	0.20 U	NA	0.051 QJ	NA	NA	NA	0.17 U	NA	NA	2.6 U
Dieldrin	ng/L	0.81	NA	0.64	NA	NA	NA	0.72	NA	NA	0.55
alpha-Endosulphan	ng/L	0.017 U	NA	0.010 U	NA	NA	NA	0.017 U	NA	NA	0.021 U
beta-Endosulphan	ng/L	0.021 U	NA	0.013 U	NA	NA	NA	0.021 U	NA	NA	0.027 U
Endosulphan Sulfate	ng/L	0.11	NA	0.084	NA	NA	NA	0.11	NA	NA	0.10
Endrin	ng/L	0.027 U	NA	0.018 U	NA	NA	NA	0.024 U	NA	NA	0.026 U
Endrin Aldehyde	ng/L	0.041 U	NA	0.028 U	NA	NA	NA	0.036 U	NA	NA	0.039 U
Endrin Ketone	ng/L	0.061 J	NA	0.052 J	NA	NA	NA	0.071 J	NA	NA	0.051
HCH, alpha	ng/L	0.23	NA	0.14	NA	NA	NA	NA	NA	NA	0.15
HCH, beta	ng/L	NA	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA
HCH, gamma (lindane)	ng/L	0.42 U	NA	NA	NA	NA	NA	NA	NA	NA	1.2
Heptachlor	ng/L	0.34 U	NA	0.18 U	NA	NA	NA	5.1	NA	NA	0.85 U
Heptachlor Epoxide	ng/L	0.46 Q	NA	0.32 Q	NA	NA	NA	0.46 Q	NA	NA	0.49
Hexachlorobenzene	ng/L	0.092	NA	0.068	NA	NA	NA	0.090	NA	NA	0.072
Methoxychlor	ng/L	0.019 U	NA	0.013 U	NA	NA	NA	0.0088 U	NA	NA	0.15
Mirex	ng/L	0.034 U	NA	0.030 U	NA	NA	NA	0.022 U	NA	NA	0.0096 U
Nonachlor, cis-	ng/L	0.040 J	NA	0.025 U	NA	NA	NA	0.12	NA	NA	0.045 J
Nonachlor, trans-	ng/L	0.10 J	NA	0.089	NA	NA	NA	0.38	NA	NA	0.15
Total Toxaphene	ng/L	3.5 U	NA	3.0 U	NA	NA	NA	3.0 U	NA	NA	1.4 U

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - Q Result from a single column for dual column GC/ECD analysis
 - J Estimated value; direction of bias unknown
 - NA Not Analyzed

Table 12
TOPS
XAD - PCBs-Homologs (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
XAD - PCBs - Homologs													
Total Monochlorobiphenyls	pg/L	5.9	45	NA	NA	NA	39	NA	NA	5.9	NA	7.9	NA
Total Dichlorobiphenyls	pg/L	389	567	NA	NA	NA	415	NA	NA	319	NA	470	NA
Total Trichlorobiphenyls	pg/L	1,210	1,492	NA	NA	NA	1,282	NA	NA	1,018	NA	1,272	NA
Total Tetrachlorobiphenyls	pg/L	1,273	1,939	NA	NA	NA	1,339	NA	NA	1,105	NA	1,267	NA
Total Pentachlorobiphenyls	pg/L	467	530	NA	NA	NA	443	NA	NA	372	NA	448	NA
Total Hexachlorobiphenyls	pg/L	189	195	NA	NA	NA	171	NA	NA	131	NA	145	NA
Total Heptachlorobiphenyls	pg/L	60	55	NA	NA	NA	46	NA	NA	30	NA	39	NA
Total Octachlorobiphenyls	pg/L	9.1	7.3	NA	NA	NA	6.4	NA	NA	6.9	NA	9.0	NA
Total Nonachlorobiphenyls	pg/L	1.5	2.3	NA	NA	NA	2.3	NA	NA	ND U	NA	1.9	NA
Total Decachlorobiphenyls	pg/L	0.73	0.68	NA	NA	NA	0.94	NA	NA	0.64	NA	0.66	NA
Total Polychlorobiphenyls	pg/L	3,605	4,828	NA	NA	NA	3,743	NA	NA	2,986	NA	3,656	NA

Table 12 cont.

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I
Lab	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS	AXYS
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb
Analyte	Units									
XAD - PCBs - Homologs										
Total Monochlorobiphenyls	pg/L	129	NA	28	NA	NA	42	NA	NA	NA
Total Dichlorobiphenyls	pg/L	674	NA	410	NA	NA	448	NA	NA	361
Total Trichlorobiphenyls	pg/L	1,257	NA	1,222	NA	NA	1,370	NA	NA	1,173
Total Tetrachlorobiphenyls	pg/L	1,487	NA	1,240	NA	NA	1,410	NA	NA	1,266
Total Pentachlorobiphenyls	pg/L	418	NA	339	NA	NA	432	NA	NA	373
Total Hexachlorobiphenyls	pg/L	150	NA	104	NA	NA	151	NA	NA	118
Total Heptachlorobiphenyls	pg/L	40	NA	25	NA	NA	46	NA	NA	27
Total Octachlorobiphenyls	pg/L	8.5	NA	6.7	NA	NA	11	NA	NA	6.2
Total Nonachlorobiphenyls	pg/L	2.4	NA	1.3	NA	NA	0.70	NA	NA	ND U
Total Decachlorobiphenyls	pg/L	1.1	NA	0.49	NA	NA	0.49	NA	NA	0.34
Total Polychlorobiphenyls	pg/L	4,166	NA	3,375	NA	NA	3,915	NA	NA	3,338

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - ND Not Detected
 - NA Not Analyzed

Table 13
TOPS
XAD - PCBs-Congeners (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb
Analyte	Units											
XAD - PCBs												
PCB-1	pg/L	NA	27.9 J	NA	NA	NA	24.2 J	NA	NA	NA	NA	NA
PCB-2	pg/L	NA	5.0 J	NA	NA	NA	6.4 J	NA	NA	NA	NA	NA
PCB-3	pg/L	5.9 J	12.2	NA	NA	NA	8.7 J	NA	NA	5.9 J	NA	7.9 J
PCB-4	pg/L	135.8 J	179.8 J	NA	NA	NA	132.1 J	NA	NA	108.3 J	NA	156.4 J
PCB-5	pg/L	1.3 QJ	1.5 QJ	NA	NA	NA	1.4 QJ	NA	NA	1.1 J	NA	2.1 QJ
PCB-6	pg/L	24.9	31.4	NA	NA	NA	32.0	NA	NA	20.8	NA	37.1
PCB-7	pg/L	3.2 J	68.6	NA	NA	NA	4.5 QJ	NA	NA	2.8 QJ	NA	5.0 J
PCB-8	pg/L	74.7	93.6	NA	NA	NA	87.1	NA	NA	61.5	NA	99.5
PCB-9	pg/L	5.2 J	6.6	NA	NA	NA	6.4 J	NA	NA	4.3 J	NA	7.1
PCB-10	pg/L	5.0 J	6.0	NA	NA	NA	5.1 QJ	NA	NA	4.3 J	NA	6.4
PCB-11	pg/L	68.8	83.2	NA	NA	NA	83.5	NA	NA	60.9	NA	81.5
PCB-12/13	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-14	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U
PCB-15	pg/L	57.7	79.5	NA	NA	NA	57.4	NA	NA	44.8	NA	57.4
PCB-16	pg/L	86.6	109.7	NA	NA	NA	88.4	NA	NA	65.1	NA	88.2
PCB-17	pg/L	94.3	119.5	NA	NA	NA	99.8	NA	NA	75.1	NA	98.5
PCB-18/30	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-19	pg/L	57.7	71.7	NA	NA	NA	59.2	NA	NA	45.7	NA	61.5 J
PCB-20/28	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-21/33	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-22	pg/L	77.1	92.5	NA	NA	NA	81.6	NA	NA	65.1	NA	81.5
PCB-23	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U
PCB-24	pg/L	2.9 J	3.8 J	NA	NA	NA	3.2 QJ	NA	NA	1.9 J	NA	2.6 J
PCB-25	pg/L	24.9	31.5	NA	NA	NA	30.6	NA	NA	23.8	NA	31.4
PCB-26/29	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-27	pg/L	21.6	26.9	NA	NA	NA	21.7	NA	NA	18.8	NA	21.9
PCB-31	pg/L	188.6	229.7	NA	NA	NA	203.5	NA	NA	168.0	NA	208.2
PCB-32	pg/L	77.1	91.0	NA	NA	NA	75.5	NA	NA	62.7	NA	71.3
PCB-34	pg/L	1.4 J	1.5 J	NA	NA	NA	1.6 J	NA	NA	1.3 J	NA	1.4 J
PCB-35	pg/L	3.1 J	4.1 J	NA	NA	NA	3.5 J	NA	NA	2.8 J	NA	3.9 J
PCB-36	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U
PCB-37	pg/L	31.0	39.2	NA	NA	NA	33.5	NA	NA	26.4	NA	31.7
PCB-38	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U
PCB-39	pg/L	1.8 J	2.0 J	NA	NA	NA	2.3 J	NA	NA	1.7 QJ	NA	1.7 J
PCB-40/41/71	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-42	pg/L	44.3	52.5	NA	NA	NA	47.4	NA	NA	39.4	NA	45.5
PCB-43	pg/L	7.4	9.3	NA	NA	NA	8.0 J	NA	NA	5.9 Q	NA	7.6
PCB-44/47/65	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-45/51	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-46	pg/L	14.6	19.8	NA	NA	NA	16.1	NA	NA	12.8	NA	15.0
PCB-48	pg/L	31.3	37.8	NA	NA	NA	33.6	NA	NA	26.6	NA	31.5
PCB-49/69	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-50/53	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-52	pg/L	202.3	228.7	NA	NA	NA	208.4	NA	NA	182.2	NA	197.4
PCB-54	pg/L	9.8	12.5	NA	NA	NA	11.3	NA	NA	8.6	NA	10.0
PCB-55	pg/L	U	3.0 J	NA	NA	NA	1.8 J	NA	NA	U	NA	2.2 J
PCB-56	pg/L	49.0	55.6	NA	NA	NA	51.1	NA	NA	41.8	NA	48.9

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.

4. Qualifiers

- U Not detected; value is reporting limit
- J Estimated value; direction of bias unknown.
- Q Result from a single column for dual column GC/ECD analysis
- B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
- NA Not Analyzed

Table 13
TOPS
XAD - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
XAD - PCBs											
PCB-1	pg/L	77.0 J	NA	18.2 J	NA	NA	NA	29.1 J	NA	NA	NA
PCB-2	pg/L	11.3	NA	4.4	NA	NA	NA	5.3	NA	NA	NA
PCB-3	pg/L	40.6 J	NA	5.0	NA	NA	NA	7.6 J	NA	NA	NA
PCB-4	pg/L	190.4 J	NA	146.6	NA	NA	NA	150.5	NA	NA	139.2 J
PCB-5	pg/L	4.2 J	NA	2.0 J	NA	NA	NA	1.6 QJ	NA	NA	1.3 QJ
PCB-6	pg/L	47.1	NA	29.3	NA	NA	NA	33.6	NA	NA	21.8
PCB-7	pg/L	19.5	NA	3.9	NA	NA	NA	5.1	NA	NA	3.2
PCB-8	pg/L	154.5	NA	82.4	NA	NA	NA	95.0	NA	NA	66.2
PCB-9	pg/L	12.4	NA	6.8	NA	NA	NA	6.8	NA	NA	5.0 J
PCB-10	pg/L	9.0	NA	9.2	NA	NA	NA	6.1	NA	NA	7.5
PCB-11	pg/L	141.2	NA	63.8	NA	NA	NA	73.0	NA	NA	56.5
PCB-12/13	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-14	pg/L	U	NA	U	NA	NA	NA	U	NA	NA	U
PCB-15	pg/L	70.1	NA	50.7	NA	NA	NA	61.5 J	NA	NA	49.6
PCB-16	pg/L	85.0	NA	88.6	NA	NA	NA	92.0	NA	NA	74.9
PCB-17	pg/L	100.5	NA	99.4	NA	NA	NA	107.0	NA	NA	86.6
PCB-18/30	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-19	pg/L	57.8	NA	54.9	NA	NA	NA	61.5	NA	NA	57.4
PCB-20/28	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-21/33	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-22	pg/L	80.2	NA	71.9	NA	NA	NA	85.0	NA	NA	74.9
PCB-23	pg/L	U	NA	U	NA	NA	NA	U	NA	NA	U
PCB-24	pg/L	2.7 J	NA	U	NA	NA	NA	3.3 J	NA	NA	2.4 J
PCB-25	pg/L	31.5	NA	29.4	NA	NA	NA	32.4	NA	NA	28.3
PCB-26/29	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-27	pg/L	20.9	NA	23.0	NA	NA	NA	22.4	NA	NA	21.6
PCB-31	pg/L	202.1	NA	190.6	NA	NA	NA	226.0	NA	NA	192.5
PCB-32	pg/L	74.3	NA	77.3	NA	NA	NA	81.0	NA	NA	69.8
PCB-34	pg/L	1.4 J	NA	1.6 QJ	NA	NA	NA	1.7 QJ	NA	NA	1.5 J
PCB-35	pg/L	3.5 J	NA	2.9 J	NA	NA	NA	3.8 J	NA	NA	3.2
PCB-36	pg/L	U	NA	U	NA	NA	NA	U	NA	NA	U
PCB-37	pg/L	30.1	NA	27.4	NA	NA	NA	33.5	NA	NA	29.4
PCB-38	pg/L	U	NA	U	NA	NA	NA	U	NA	NA	U
PCB-39	pg/L	1.9 J	NA	1.5 J	NA	NA	NA	1.8 J	NA	NA	1.5 QJ
PCB-40/41/71	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-42	pg/L	47.8	NA	44.5	NA	NA	NA	48.3	NA	NA	46.0
PCB-43	pg/L	7.9	NA	7.3	NA	NA	NA	8.2	NA	NA	7.3
PCB-44/47/65	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-45/51	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-46	pg/L	15.6	NA	15.5	NA	NA	NA	15.6	NA	NA	14.5
PCB-48	pg/L	32.7	NA	31.2	NA	NA	NA	34.5	NA	NA	31.0
PCB-49/69	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-50/53	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-52	pg/L	219.3	NA	209.6	NA	NA	NA	214.5	NA	NA	208.7
PCB-54	pg/L	9.7	NA	8.9	NA	NA	NA	12.1	NA	NA	9.9
PCB-55	pg/L	U	NA	U	NA	NA	NA	2.5 J	NA	NA	U
PCB-56	pg/L	53.0	NA	43.3	NA	NA	NA	52.5	NA	NA	46.9

Notes:

1. Samples were analyzed by Axy's Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown.
 - Q Result from a single column for dual column GC/ECD analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
 - NA Not Analyzed

Table 13
TOPS
XAD - PCBs-Congeners (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
XAD - PCBs cont.													
PCB-57	pg/L	0.7 J	0.5 J	NA	NA	NA	0.5 J	NA	NA	0.5 QJ	NA	0.6 J	NA
PCB-58	pg/L	0.5 QJ	0.4 QJ	NA	NA	NA	0.7 QJ	NA	NA	U	NA	0.3 J	NA
PCB-59/62/75	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-60	pg/L	18.7	20.7	NA	NA	NA	17.4	NA	NA	15.7	NA	16.7	NA
PCB-61/70/74/76	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-63	pg/L	4.3 J	4.6 J	NA	NA	NA	4.2 J	NA	NA	3.8 J	NA	4.2 J	NA
PCB-64	pg/L	65.8	77.4	NA	NA	NA	68.0	NA	NA	57.7	NA	66.2	NA
PCB-66	pg/L	92.5	98.2	NA	NA	NA	89.6	NA	NA	79.9	NA	88.7	NA
PCB-67	pg/L	3.2 J	3.8 J	NA	NA	NA	3.8 J	NA	NA	2.6 J	NA	3.3 J	NA
PCB-68	pg/L	U	62.4	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-72	pg/L	1.1 QJ	1.2 QJ	NA	NA	NA	1.1 QJ	NA	NA	0.9 J	NA	1.1 J	NA
PCB-73	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-77	pg/L	6.1	7.2	NA	NA	NA	6.5 J	NA	NA	4.6 QJ	NA	6.1	NA
PCB-78	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-79	pg/L	0.8 QJ	0.8 J	NA	NA	NA	0.4 J	NA	NA	0.4 QJ	NA	0.4 J	NA
PCB-80	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-81	pg/L	U	0.3 J	NA	NA	NA	0.3 J	NA	NA	U	NA	0.2 QJ	NA
PCB-82	pg/L	8.4	10.2	NA	NA	NA	8.8 J	NA	NA	6.4	NA	8.1	NA
PCB-83/99	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-84	pg/L	24.1	28.3	NA	NA	NA	24.2 Q	NA	NA	17.9	NA	23.4	NA
PCB-85/116/117	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-86/87/97/108/119/125	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-88/91	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-89	pg/L	1.3 J	1.5 J	NA	NA	NA	1.2 QJ	NA	NA	1.0 J	NA	1.5 J	NA
PCB-90/101/113	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-92	pg/L	15.1	16.4	NA	NA	NA	16.2	NA	NA	12.1	NA	14.4	NA
PCB-93/95/98/100/102	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-94	pg/L	2.3 QJ	2.6 J	NA	NA	NA	2.0 QJ	NA	NA	1.9 J	NA	2.2 J	NA
PCB-96	pg/L	1.6 J	1.9 J	NA	NA	NA	1.7 QJ	NA	NA	1.4 QJ	NA	1.5 QJ	NA
PCB-103	pg/L	2.4 QJ	2.6 QJ	NA	NA	NA	2.5 QJ	NA	NA	1.9 QJ	NA	2.2 J	NA
PCB-104	pg/L	1.0 J	1.1 J	NA	NA	NA	1.1 QJ	NA	NA	0.9 QJ	NA	1.0 J	NA
PCB-105	pg/L	16.2	18.4	NA	NA	NA	16.1	NA	NA	12.9	NA	14.5	NA
PCB-106	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-107/124	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-109	pg/L	3.8 J	3.7 J	NA	NA	NA	3.5 J	NA	NA	3.4 J	NA	3.1 J	NA
PCB-110/115	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-111	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-112	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-114	pg/L	0.9 QJ	1.0 J	NA	NA	NA	0.8 QJ	NA	NA	0.7 J	NA	0.8 J	NA
PCB-118	pg/L	42.1	46.9	NA	NA	NA	40.1	NA	NA	32.8	NA	38.3	NA
PCB-120	pg/L	0.2 QJ	0.2 Qj	NA	NA	NA	U	NA	NA	U	NA	0.2 QJ	NA
PCB-121	pg/L	U	0.1 QJ	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-122	pg/L	0.5 QJ	0.5 J	NA	NA	NA	0.8 J	NA	NA	0.6 J	NA	0.5 QJ	NA
PCB-123	pg/L	1.1 J	0.8 QJ	NA	NA	NA	0.5 QJ	NA	NA	0.4 J	NA	0.7 J	NA
PCB-126	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-127	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-128/166	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-129/138/160/163	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-130	pg/L	2.2 J	2.0 QJ	NA	NA	NA	2.1 J	NA	NA	1.6 J	NA	1.7 QJ	NA
PCB-131	pg/L	0.4 J	0.5 J	NA	NA	NA	0.4 QJ	NA	NA	0.3 QJ	NA	0.3 QJ	NA
PCB-132	pg/L	15.4	14.9	NA	NA	NA	12.8	NA	NA	9.6	NA	11.2	NA
PCB-133	pg/L	0.7 J	0.7 J	NA	NA	NA	0.6 J	NA	NA	0.4 QJ	NA	0.5 QJ	NA
PCB-134/143	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-135/151/154	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-136	pg/L	6.9	7.1	NA	NA	NA	6.4 J	NA	NA	5.0 J	NA	5.6	NA
PCB-137	pg/L	1.3 J	1.4 J	NA	NA	NA	0.8 QJ	NA	NA	1.1 J	NA	1.1 J	NA
PCB-139/140	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

- Notes:
1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
 2. Results reported are considered validated.
 3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
 4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown.
 - Q Result from a single column for dual column GC/ECD analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
 - NA Not Analyzed

Table 13
TOPS
XAD - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb
Analyte	Units									
XAD - PCBs cont.										
PCB-57	pg/L	0.4 J	NA	0.5 J	NA	NA	0.6 QJ	NA	NA	0.6 J
PCB-58	pg/L	0.3 QJ	NA	0.4 QJ	NA	NA	0.4 J	NA	NA	0.4 QJ
PCB-59/62/75	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-60	pg/L	17.2	NA	13.5	NA	NA	18.1	NA	NA	15.4
PCB-61/70/74/76	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-63	pg/L	4.3 J	NA	3.9	NA	NA	4.5 J	NA	NA	3.9
PCB-64	pg/L	69.0	NA	63.8	NA	NA	70.5	NA	NA	65.9
PCB-66	pg/L	92.5	NA	79.7	NA	NA	93.0	NA	NA	89.6
PCB-67	pg/L	3.2 J	NA	3.0 J	NA	NA	3.8 J	NA	NA	3.0 J
PCB-68	pg/L	25.8	NA	U	NA	NA	7.5	NA	NA	U
PCB-72	pg/L	1.4 J	NA	1.1 J	NA	NA	1.4 J	NA	NA	1.1 J
PCB-73	pg/L	U	NA	U	NA	NA	U	NA	NA	U
PCB-77	pg/L	5.6	NA	4.3	NA	NA	6.0	NA	NA	4.8
PCB-78	pg/L	U	NA	U	NA	NA	U	NA	NA	U
PCB-79	pg/L	0.7 J	NA	0.6 J	NA	NA	0.6 J	NA	NA	0.5 J
PCB-80	pg/L	U	NA	U	NA	NA	U	NA	NA	U
PCB-81	pg/L	0.2 QJ	NA	0.2 J	NA	NA	U	NA	NA	0.2 QJ
PCB-82	pg/L	6.9	NA	5.2	NA	NA	8.0	NA	NA	6.1
PCB-83/99	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-84	pg/L	22.5	NA	18.6	NA	NA	22.6	NA	NA	19.8
PCB-85/116/117	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-86/87/97/108/119/125	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-88/91	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-89	pg/L	1.3 QJ	NA	1.0 J	NA	NA	1.4 J	NA	NA	1.1 J
PCB-90/101/113	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-92	pg/L	13.3	NA	11.0	NA	NA	14.1	NA	NA	11.6
PCB-93/95/98/100/102	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-94	pg/L	2.1 J	NA	1.9 J	NA	NA	2.1 J	NA	NA	1.9 J
PCB-96	pg/L	1.6 J	NA	1.5 J	NA	NA	1.4 J	NA	NA	1.4 J
PCB-103	pg/L	2.3 J	NA	2.1 J	NA	NA	2.4 QJ	NA	NA	2.1 J
PCB-104	pg/L	0.8 J	NA	0.7 J	NA	NA	1.3 J	NA	NA	0.9 QJ
PCB-105	pg/L	14.0	NA	10.7	NA	NA	14.0	NA	NA	10.8
PCB-106	pg/L	U	NA	U	NA	NA	U	NA	NA	U
PCB-107/124	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-109	pg/L	3.7 J	NA	2.5 J	NA	NA	3.3 J	NA	NA	3.2
PCB-110/115	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-111	pg/L	U	NA	U	NA	NA	U	NA	NA	0.1 QJ
PCB-112	pg/L	U	NA	U	NA	NA	U	NA	NA	U
PCB-114	pg/L	0.8 QJ	NA	0.7 QJ	NA	NA	0.7 J	NA	NA	0.6 J
PCB-118	pg/L	36.5	NA	28.0	NA	NA	37.8	NA	NA	30.4
PCB-120	pg/L	U	NA	U	NA	NA	0.2 QJ	NA	NA	0.1 J
PCB-121	pg/L	U	NA	U	NA	NA	U	NA	NA	0.1 QJ
PCB-122	pg/L	0.5 J	NA	0.5 QJ	NA	NA	0.6 J	NA	NA	0.4 QJ
PCB-123	pg/L	0.7 QJ	NA	0.6 QJ	NA	NA	0.7 QJ	NA	NA	0.6 QJ
PCB-126	pg/L	U	NA	U	NA	NA	0.2 QJ	NA	NA	U
PCB-127	pg/L	U	NA	U	NA	NA	U	NA	NA	U
PCB-128/166	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-129/138/160/163	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-130	pg/L	2.1 J	NA	1.2 J	NA	NA	1.7 J	NA	NA	1.4 J
PCB-131	pg/L	0.3 QJ	NA	0.2 QJ	NA	NA	0.4 J	NA	NA	0.3 J
PCB-132	pg/L	12.0	NA	7.7	NA	NA	11.0	NA	NA	9.0
PCB-133	pg/L	0.6 QJ	NA	0.5 QJ	NA	NA	0.5 QJ	NA	NA	0.5 J
PCB-134/143	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-135/151/154	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-136	pg/L	5.8	NA	4.5	NA	NA	5.3	NA	NA	4.6
PCB-137	pg/L	1.3 J	NA	0.7 QJ	NA	NA	1.0 QJ	NA	NA	1.1 J
PCB-139/140	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown.
 - Q Result from a single column for dual column GC/ECD analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
 - NA Not Analyzed

Table 13
TOPS
XAD - PCBs-Congeners (calculated)

Sample ID	TU-051201-1130-I	TD-051201-1130-I	TU-051205-0730-I	TD-051205-0730-I	TU-051205-1430-I	TD-051205-1430-I	TU-051206-0830-I	TD-051206-0830-I	TU-051206-1330-I	TU-051206-1330-I-Dup	TD-051206-1330-I	TD-051206-1330-I-Dup	
Sample Location	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	Upriver	Upriver	Downriver	Downriver	
Sample Date	12/1/2005	12/1/2005	12/5/2005	12/5/2005	12/5/2005	12/5/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
Planned Sample Time	1130	1130	0730	0730	1430	1430	0830	0830	1330	1330	1330	1330	
Approximate Sample Time	11:30-14:42	11:30-14:15	08:30-12:03	08:30-12:03	14:00-17:12	14:00-17:11	08:00-11:42	08:02-11:47	13:30-16:42	13:30-16:42	13:30-16:13	13:30-16:13	
Tidal Cycle	Ebb	Ebb	Flood to Ebb	Flood to Ebb	Ebb	Ebb	Flood	Flood	Ebb	Ebb	Ebb	Ebb	
Analyte	Units												
XAD - PCBs cont.													
PCB-141	pg/L	7.1	7.4	NA	NA	NA	6.4 J	NA	NA	5.0 J	NA	5.4	NA
PCB-142	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-144	pg/L	2.5 J	2.2 BJ	NA	NA	NA	2.0 QJ	NA	NA	1.6 QJ	NA	1.6 J	NA
PCB-145	pg/L	0.1 QJ	U	NA	NA	NA	U	NA	NA	0.0 QJ	NA	U	NA
PCB-146	pg/L	6.7 Q	6.7	NA	NA	NA	5.9 J	NA	NA	4.8 J	NA	4.9 J	NA
PCB-147/149	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-148	pg/L	0.3 QJ	0.2 Qj	NA	NA	NA	0.2 QJ	NA	NA	0.2 QJ	NA	0.1 QJ	NA
PCB-150	pg/L	0.3 J	0.3 QJ	NA	NA	NA	0.2 QJ	NA	NA	0.1 QJ	NA	0.2 J	NA
PCB-152	pg/L	0.3 QJ	0.2 J	NA	NA	NA	0.2 QJ	NA	NA	0.2 QJ	NA	0.1 QJ	NA
PCB-153/168	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-155	pg/L	0.6 J	0.6 QJ	NA	NA	NA	0.7 J	NA	NA	0.5 QJ	NA	0.6 J	NA
PCB-156/157	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-158	pg/L	3.7 J	3.6 J	NA	NA	NA	3.5 J	NA	NA	2.6 BJ	NA	2.5 J	NA
PCB-159	pg/L	0.4 QJ	U	NA	NA	NA	U	NA	NA	0.1 QJ	NA	0.2 QJ	NA
PCB-161	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-162	pg/L	U	U	NA	NA	NA	0.2 QJ	NA	NA	U	NA	0.1 QJ	NA
PCB-164	pg/L	2.8 J	3.0 J	NA	NA	NA	2.8 J	NA	NA	1.8 J	NA	2.1 J	NA
PCB-165	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-167	pg/L	1.1 J	1.0 J	NA	NA	NA	1.3 J	NA	NA	0.9 QJ	NA	0.9 QJ	NA
PCB-169	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-170	pg/L	5.7 J	5.0 J	NA	NA	NA	4.4 QJ	NA	NA	3.0 QJ	NA	3.9 J	NA
PCB-171/173	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-172	pg/L	1.0 J	1.2 J	NA	NA	NA	1.0 QJ	NA	NA	0.7 J	NA	0.7 QJ	NA
PCB-174	pg/L	8.1	6.9	NA	NA	NA	6.5 J	NA	NA	4.4 J	NA	5.1	NA
PCB-175	pg/L	0.4 QJ	0.4 QJ	NA	NA	NA	0.2 QJ	NA	NA	0.2 QJ	NA	0.3 QJ	NA
PCB-176	pg/L	1.1 J	1.0 J	NA	NA	NA	0.9 J	NA	NA	0.4 QJ	NA	0.7 J	NA
PCB-177	pg/L	4.3 J	3.8 J	NA	NA	NA	3.4 J	NA	NA	2.6 J	NA	2.6 J	NA
PCB-178	pg/L	1.9 J	1.9 J	NA	NA	NA	1.6 J	NA	NA	1.1 J	NA	1.3 J	NA
PCB-179	pg/L	4.0 J	3.8 J	NA	NA	NA	3.3 J	NA	NA	2.6 J	NA	2.9 J	NA
PCB-180/193	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-181	pg/L	U	0.1 J	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-182	pg/L	0.1 QJ	U	NA	NA	NA	U	NA	NA	0.1 QJ	NA	0.1 QJ	NA
PCB-183/185	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-184	pg/L	0.3 QJ	0.4 QJ	NA	NA	NA	0.5 J	NA	NA	0.3 QJ	NA	0.2 QJ	NA
PCB-186	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-187	pg/L	11.4	10.0	NA	NA	NA	10.9	NA	NA	6.9	NA	7.6	NA
PCB-188	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-189	pg/L	0.3 J	0.1 J	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-190	pg/L	1.5 J	1.2 J	NA	NA	NA	1.0 J	NA	NA	0.7 QJ	NA	0.5 QJ	NA
PCB-191	pg/L	0.3 QJ	0.3 J	NA	NA	NA	U	NA	NA	0.2 J	NA	0.3 QJ	NA
PCB-192	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-194	pg/L	2.0 BJ	U	NA	NA	NA	1.8 J	NA	NA	1.2 J	NA	1.5 J	NA
PCB-195	pg/L	0.8 QJ	0.7 J	NA	NA	NA	0.6 J	NA	NA	0.5 J	NA	0.5 QJ	NA
PCB-196	pg/L	1.5 BJ	1.5 QJ	NA	NA	NA	U	NA	NA	0.9 J	NA	1.3 BJ	NA
PCB-197/200	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-198/199	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-201	pg/L	0.5 QJ	0.5 J	NA	NA	NA	0.7 QJ	NA	NA	0.5 J	NA	0.4 QJ	NA
PCB-202	pg/L	1.3 BJ	1.2 QJ	NA	NA	NA	U	NA	NA	0.9 QJ	NA	1.0 J	NA
PCB-203	pg/L	3.2 QJ	2.4 J	NA	NA	NA	U	NA	NA	U	NA	1.9 J	NA
PCB-204	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-205	pg/L	U	U	NA	NA	NA	U	NA	NA	U	NA	U	NA
PCB-206	pg/L	1.5 J	1.5 J	NA	NA	NA	1.8 J	NA	NA	U	NA	1.0 J	NA
PCB-207	pg/L	U	0.2 J	NA	NA	NA	0.4 BJ	NA	NA	U	NA	0.2 J	NA
PCB-208	pg/L	U	0.7 J	NA	NA	NA	U	NA	NA	U	NA	0.7 J	NA
PCB-209	pg/L	0.7 J	U	NA	NA	NA	0.9 J	NA	NA	U	NA	U	NA

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown.
 - Q Result from a single column for dual column GC/ECD analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
 - NA Not Analyzed

Table 13
TOPS
XAD - PCBs-Congeners (calculated)

Sample ID	TU-051207-0930-I	TD-051207-0930-I	TU-051208-1030-I	TU-051208-1030-I-Dup	TD-051208-1030-I	TU-051210-0730-I	TD-051210-0730-I	TU-051210-1230-I	TD-051210-1230-I	TD-051212-0900-I	
Sample Location	Upriver	Downriver	Upriver	Upriver	Downriver	Upriver	Downriver	Upriver	Downriver	At Dredged Site	
Sample Date	12/7/2005	12/7/2005	12/8/2005	12/8/2005	12/8/2005	12/10/2005	12/10/2005	12/10/2005	12/10/2005	12/12/2005	
Planned Sample Time	0930	0930	1030	1030	1030	0730	0730	1230	1230	0900	
Approximate Sample Time	09:30-12:42	09:40-12:25	10:30-13:42	10:30-13:42	10:30-13:30	07:30-10:12	07:35-10:17	12:30-14:13	12:37-14:49	08:00-11:45	
Tidal Cycle	Flood	Flood	Flood	Flood	Flood	Ebb	Ebb	Flood	Flood	Ebb	
Analyte	Units										
XAD - PCBs cont.											
PCB-141	pg/L	5.7	NA	3.7 J	NA	NA	NA	5.9	NA	NA	4.0
PCB-142	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-144	pg/L	1.6 J	NA	1.2 QJ	NA	NA	1.9 J	NA	NA	NA	1.3 QJ
PCB-145	pg/L	0.1 QJ	NA	0.0 QJ	NA	NA	0.0 QJ	NA	NA	NA	0.0 QJ
PCB-146	pg/L	5.7	NA	3.7 J	NA	NA	5.5	NA	NA	NA	4.2
PCB-147/149	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-148	pg/L	0.2 QJ	NA	0.1 QJ	NA	NA	U	NA	NA	NA	0.1 QJ
PCB-150	pg/L	0.2 QJ	NA	0.2 QJ	NA	NA	0.2 QJ	NA	NA	NA	0.1 J
PCB-152	pg/L	0.2 QJ	NA	0.1 QJ	NA	NA	0.2 QJ	NA	NA	NA	0.1 J
PCB-153/168	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-155	pg/L	0.6 QJ	NA	0.4 J	NA	NA	0.6 QJ	NA	NA	NA	0.4 QJ
PCB-156/157	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-158	pg/L	2.7 J	NA	1.8 J	NA	NA	2.8 J	NA	NA	NA	2.0 J
PCB-159	pg/L	U	NA	0.1 QJ	NA	NA	0.2 QJ	NA	NA	NA	0.1 QJ
PCB-161	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-162	pg/L	0.2 QJ	NA	0.2 J	NA	NA	0.2 J	NA	NA	NA	0.3 QJ
PCB-164	pg/L	2.1 J	NA	1.6 J	NA	NA	2.2 J	NA	NA	NA	1.4 J
PCB-165	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-167	pg/L	0.7 J	NA	0.6 J	NA	NA	0.9 J	NA	NA	NA	0.6 J
PCB-169	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-170	pg/L	3.1 J	NA	2.4 J	NA	NA	5.0 J	NA	NA	NA	2.4 J
PCB-171/173	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-172	pg/L	0.9 J	NA	0.5 QJ	NA	NA	1.0 J	NA	NA	NA	0.4 QJ
PCB-174	pg/L	4.8 J	NA	3.5 J	NA	NA	6.0	NA	NA	NA	3.7
PCB-175	pg/L	0.3 J	NA	0.2 QJ	NA	NA	0.2 QJ	NA	NA	NA	0.1 QJ
PCB-176	pg/L	0.7 J	NA	0.5 QJ	NA	NA	0.8 J	NA	NA	NA	0.6 J
PCB-177	pg/L	2.7 J	NA	1.7 J	NA	NA	3.7 J	NA	NA	NA	2.0 J
PCB-178	pg/L	1.3 J	NA	0.9 QJ	NA	NA	1.4 J	NA	NA	NA	1.0 J
PCB-179	pg/L	2.6 J	NA	1.8 J	NA	NA	3.1 QJ	NA	NA	NA	1.9 J
PCB-180/193	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-181	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-182	pg/L	0.0 J	NA	0.0 QJ	NA	NA	U	NA	NA	NA	0.1 QJ
PCB-183/185	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-184	pg/L	0.1 QJ	NA	0.0 QJ	NA	NA	0.1 QJ	NA	NA	NA	0.0 QJ
PCB-186	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-187	pg/L	7.8	NA	5.2	NA	NA	8.8	NA	NA	NA	5.5
PCB-188	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-189	pg/L	U	NA	U	NA	NA	0.2 J	NA	NA	NA	U
PCB-190	pg/L	0.8 J	NA	0.5 J	NA	NA	1.0 J	NA	NA	NA	0.6 QJ
PCB-191	pg/L	0.2 J	NA	0.1 QJ	NA	NA	0.2 J	NA	NA	NA	U
PCB-192	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-194	pg/L	1.2 J	NA	1.0 J	NA	NA	1.5 J	NA	NA	NA	0.8 QJ
PCB-195	pg/L	0.5 J	NA	0.4 QJ	NA	NA	0.8 J	NA	NA	NA	0.3 J
PCB-196	pg/L	U	NA	0.9 J	NA	NA	1.3 J	NA	NA	NA	0.7 J
PCB-197/200	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-198/199	pg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-201	pg/L	0.4 QJ	NA	0.4 QJ	NA	NA	0.6 J	NA	NA	NA	0.4 J
PCB-202	pg/L	0.9 J	NA	0.7 J	NA	NA	1.0 J	NA	NA	NA	0.8 J
PCB-203	pg/L	2.0 J	NA	1.6 J	NA	NA	2.1 J	NA	NA	NA	1.5 J
PCB-204	pg/L	U	NA	U	NA	NA	U	NA	NA	NA	U
PCB-205	pg/L	U	NA	U	NA	NA	0.1 J	NA	NA	NA	U
PCB-206	pg/L	1.4 J	NA	1.0 J	NA	NA	U	NA	NA	NA	U
PCB-207	pg/L	0.3 J	NA	0.3 J	NA	NA	U	NA	NA	NA	U
PCB-208	pg/L	0.7 J	NA	U	NA	NA	0.7 J	NA	NA	NA	U
PCB-209	pg/L	1.1 J	NA	U	NA	NA	0.5 J	NA	NA	NA	U

Notes:

1. Samples were analyzed by Axys Analytical Services, Sidney, BC, Canada.
2. Results reported are considered validated.
3. Values in the table were calculated based on mass per cartridge reported from lab data records and volume of water passing through the cartridge reported from field data records.
4. Qualifiers
 - U Not detected; value is reporting limit
 - J Estimated value; direction of bias unknown.
 - Q Result from a single column for dual column GC/ECD analysis
 - B Identifies a target analyte that was detected in both the sample and the associated laboratory blank
 - NA Not Analyzed

Table 14
ISCO

Sampling Date	Planned Sample Time	Tidal Cycle	Sample Depth	TD (Downriver)						TU (Upriver)							
				Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)
12/1/2005	0800	High Tide	Shallow														9.6
			Deep														13
	0830	Ebb	Shallow	TD-051201-0830-S	8:35 AM	8:43 AM	15 J	4,300 J		11	TU-051201-0830-S	8:30 AM	8:36 AM	4 J	1,500 J	4.2 J	10
			Deep	TD-051201-0830-D	8:43 AM	8:50 AM				18	TU-051201-0830-D	8:36 AM	8:42 AM	0.73 J	6,100 J	3.2 J	15
	0900	Ebb	Shallow	TD-051201-0900-S	9:00 AM	9:11 AM				10	TU-051201-0900-S	9:00 AM	9:06 AM	3.5 J	1,300 J	3.9 J	12
			Deep	TD-051201-0900-D	9:11 AM	9:18 AM	9.5 J	3,100 J		16	TU-051201-0900-D	9:06 AM	9:12 AM	0.54 J	3,300 J	3.3 J	14
	0930	Ebb	Shallow								TU-051201-0930-S	9:30 AM	9:36 AM	2.7 J	980 J	3.8 J	12
			Deep								TU-051201-0930-D	9:36 AM	9:42 AM	0.65 J	3,500 J	3.3 J	15
	1000	Ebb	Shallow	TD-051201-1000-S	10:00 AM	10:08 AM	3.7 J	1,100 J	4.3 J	13	TU-051201-1000-S	10:00 AM	10:06 AM	2.6 J	880 J	4.1 J	26
			Deep	TD-051201-1000-D	10:08 AM	10:15 AM	11 J	3,300 J	4.1 J	15	TU-051201-1000-D	10:06 AM	10:12 AM	0.55 J	3,400 J	3.1 J	26
	1030	Ebb	Shallow	TD-051201-1030-S	10:32 AM	10:40 AM	3.5 J	1,100 J		13	TU-051201-1030-S	10:30 AM	10:36 AM	2.6 J	930 J	8.5 J	46
			Deep	TD-051201-1030-D*	10:40 AM	10:47 AM				20.5	TU-051201-1030-D	10:36 AM	10:42 AM	0.5 UJ	2,900 J	3.1 J	30
	1100	Ebb	Shallow	TD-051201-1100-S	11:00 AM	11:10 AM	3.8 J	1,200 J	4.5 J	25	TU-051201-1100-S	11:00 AM	11:06 AM	2.8 J	1,000 J	3.7 J	68
			Deep	TD-051201-1100-D	11:10 AM	11:15 AM	11 J	3,700 J	4.0 J	26	TU-051201-1100-D	11:06 AM	11:12 AM	3.4 J	2,500 J	3.5 J	54
	1130	Ebb	Shallow	TD-051201-1130-S*	11:30 AM	11:39 AM				48	TU-051201-1130-S	11:30 AM	11:36 AM	1.6 J	570 J	3.6 J	110
			Deep	TD-051201-1130-D	11:39 AM	11:45 AM	3.6 J	1,100 J		26	TU-051201-1130-D	11:36 AM	11:42 AM	0.22 J	1,500 J	3.8 J	79
	1200	Ebb	Shallow	TD-051201-1200-S	12:00 PM	12:09 PM	2.3 J	720 J	4.8 J	64	TU-051201-1200-S	12:00 PM	12:06 PM	0.05 UJ	480 J	3.8 J	82
			Deep	TD-051201-1200-D	12:09 PM	12:16 PM	4.3 J	1,300 J	4.4 J	51	TU-051201-1200-D	12:06 PM	12:12 PM	0.05 UJ	370 J	3.9 J	74
	1230	Ebb	Shallow	TD-051201-1230-S	12:30 PM	12:38 PM	0.95 J	340 J		60	TU-051201-1230-S	12:30 PM	12:36 PM	0.05 UJ	150 J	3.7 J	73
			Deep	TD-051201-1230-D	12:38 PM	12:45 PM	1.3 J	440 J		78	TU-051201-1230-D	12:36 PM	12:42 PM	0.05 UJ	82 J	4.4 J	110
	1300	Ebb	Shallow	TD-051201-1300-S	1:00 PM	1:10 PM	0.05 UJ	140 J	4.6 J	100							
			Deep	TD-051201-1300-D	1:10 PM	1:20 PM	0.05 UJ	87 J	4.9 J	120	TU-051201-1300-D	1:06 PM	1:12 PM				110
	1330	Ebb	Shallow	TD-051201-1330-S	1:39 PM	1:46 PM	0.05 UJ	67 J		71	TU-051201-1330-S	1:30 PM	1:36 PM				46
			Deep	TD-051201-1330-D	1:46 PM	1:54 PM	0.05 UJ	69 J		72							
1400	Ebb	Shallow	TD-051201-1400-S	2:00 PM	2:10 PM	0.05 UJ	65 J	4.5 J	60	TU-051201-1400-S	2:00 PM	2:06 PM				41	
		Deep	TD-051201-1400-D	2:10 PM	2:15 PM	0.05 UJ	69 J	3.9 J	94								
1430	Flood	Shallow	TD-051201-1430-S	2:32 PM	2:38 PM	0.05 UJ	64 J		62	TU-051201-1430-S*	2:30 PM	2:36 PM	0.05 UJ	56 J	4 J	31.5	
		Deep								TU-051201-1430-D*	2:36 PM	2:42 PM	0.05 UJ	60 J	4.3 J	51	
1500	Flood	Shallow								TU-051201-1500-S	3:00 PM	3:06 PM				29	
		Deep								TU-051201-1500-D	3:06 PM	3:12 PM				34	
1530	Flood	Shallow	TD-051201-1530-S	3:41 PM	3:48 PM	0.05 UJ	66 J	4.3 J	32	TU-051201-1530-S	3:30 PM	3:36 PM	0.05 UJ	57 J	3.8 J	18	
		Deep	TD-051201-1530-D	3:48 PM	3:55 PM	0.05 UJ	61 J	3.3 J	25	TU-051201-1530-D	3:36 PM	3:42 PM	0.05 UJ	58 J	3.7 J	21	
1600	Flood	Shallow	TD-051201-1600-S	4:00 PM	4:07 PM	0.05 UJ	63 J	4.2 J	19	TU-051201-1600-S	4:00 PM	4:06 PM				17	
		Deep	TD-051201-1600-D	4:07 PM	4:14 PM	0.05 UJ	75 J	4.1 J	22	TU-051201-1600-D	4:06 PM	4:12 PM				17	
1630	Flood	Shallow	TD-051201-1630-S	4:25 PM	4:31 PM	0.05 UJ	65 J	4.1 J	21	TU-051201-1630-S	4:30 PM	4:36 PM	0.05 UJ	57 J	4 J	16	
		Deep	TD-051201-1630-D	4:31 PM	4:35 PM	0.05 UJ	72 J	4 J	22	TU-051201-1630-D	4:36 PM	4:42 PM	0.05 UJ	64 J	3.5 J	14	

Notes:

* This ISCO sample is a duplicate. Duplicate samples have been averaged to get a single result.

1. TD (Downriver) and TU (Upriver) refer to the TOPS sample location.
2. The change in shading corresponds to the change in the tidal cycle.
3. Bromide, Chloride, and Total Organic Carbon samples were analyzed together by USGS and USEPA Region 2 DESA laboratory, whereas Total Suspended Solid samples were analyzed by DESA laboratory only.
4. Results reported are considered validated.
5. Qualifiers

- U Not detected; value is reporting limit
- K Estimated value; possible high bias
- L Estimated value; possible low bias
- J Estimated value; direction of bias unknown.
- NA Not Analyzed
- R Anomalous values rejected by Project QA Officer

Table 14
ISCO

Sampling Date	Planned Sample Time	Tidal Cycle	Sample Depth	TD (Downriver)						TU (Upriver)							
				Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)
12/5/2005	0730	Flood	Shallow Deep							TU-051205-0730-D	7:36 AM	7:42 AM	0.1 UJ	140 J		65	
	0800	Flood	Shallow Deep							TU-051205-0800-S TU-051205-0800-D	8:00 AM 8:06 AM	8:06 AM 8:12 AM	0.05 UJ 2.9 J	230 J 1,100 J	4.5 J 4.6 J	68 24	
	0830	Flood	Shallow Deep	TD-051205-0830-S	8:30 AM	8:38 AM	3.8 J	1,200 J	4.3 J	40	TU-051205-0830-S TU-051205-0830-D	8:30 AM 8:36 AM	8:36 AM 8:42 AM	4.8 J	2,100 J	3.9 J	28
	0900	Flood	Shallow Deep	TD-051205-0900-D	9:14 AM	9:20 AM	12 J	3,700 J		40	TU-051205-0900-D	9:22 AM	9:28 AM	0.5 UJ	3,900 J		39
	0930	Flood	Shallow Deep	TD-051205-0930-S TD-051205-0930-D	9:37 AM 9:45 AM	9:45 AM 9:53 AM				26 29	TU-051205-0930-S TU-051205-0930-D	9:30 AM 9:36 AM	9:36 AM 9:42 AM				24 33
	1000	Flood	Shallow Deep	TD-051205-1000-S TD-051205-1000-D	10:00 AM 10:08 AM	10:08 AM 10:17 AM	8.1 J 10 J	2,400 J 3,400 J	4 J 4.1 J	22 37	TU-051205-1000-S TU-051205-1000-D	10:00 AM 10:06 AM	10:06 AM 10:12 AM	5.8 11 J	2,100 J 4,000 J	4.6 J 3.7 J	20 29
	1030	Ebb	Shallow Deep	TD-051205-1030-S TD-051205-1030-D	10:30 AM 10:39 AM	10:39 AM 10:48 AM				22 21	TU-051205-1030-S TU-051205-1030-D	10:30 AM 10:36 AM	10:36 AM 10:42 AM				30 28
	1100	Ebb	Shallow Deep	TD-051205-1100-S TD-051205-1100-D	11:01 AM 11:10 AM	11:10 AM 11:18 AM	5.3 J 7.7 J	1,700 J 2,400 J		20 19	TU-051205-1100-S TU-051205-1100-D	11:00 AM 11:06 AM	11:06 AM 11:12 AM	2.6 J 11 J	900 J 3,700 J		12 12
	1130	Ebb	Shallow Deep								TU-051205-1130-S* TU-051205-1130-D*	11:30 AM 11:36 AM	11:36 AM 11:42 AM				13 11
	1200	Ebb	Shallow Deep	TD-051205-1200-S TD-051205-1200-D	12:00 PM 12:09 PM	12:09 PM 12:21 PM	2.2 J 5.2 J	740 J 1,700 J	4.4 J 5.3 J	17 23	TU-051205-1200-S TU-051205-1200-D	12:00 PM 12:08 PM	12:08 PM 12:15 PM	1.2 J 11 J	450 J 3,400 J	5.8 J 5.7 J	13 17
	1230	Ebb	Shallow Deep	TD-051205-1230-S* TD-051205-1230-D	12:30 PM 12:39 PM	12:39 PM 12:48 PM				19 26	TU-051205-1230-S	12:30 PM	12:37 PM				10
	1300	Ebb	Shallow Deep	TD-051205-1300-S TD-051205-1300-D	1:01 PM 1:10 PM	1:10 PM 1:19 PM	1.8 J 3.8 J	650 J 1,300 J		20 26							
	1330	Ebb	Shallow Deep	TD-051205-1330-S TD-051205-1330-D*	1:30 PM 1:39 PM	1:39 PM 1:48 PM				28 65							
	1400	Ebb	Shallow Deep								TU-051205-1400-S TU-051205-1400-D	2:00 PM 2:06 PM	2:06 PM 2:12 PM	1.5 J 4.4 J	550 J 1,500 J	5.9 J 5.5 J	37 47
	1430	Ebb	Shallow Deep	TD-051205-1430-S TD-051205-1430-D	2:30 PM 2:39 PM	2:39 PM 2:47 PM				54 56	TU-051205-1430-S TU-051205-1430-D	2:30 PM 2:36 PM	2:36 PM 2:42 PM				65 68
	1500	Ebb	Shallow Deep	TD-051205-1500-S*	3:00 PM	3:20 PM	1.25 J	495 J	3.9 J		TU-051205-1500-S TU-051205-1500-D	3:00 PM 3:06 PM	3:06 PM 3:12 PM	0.05 UJ 0.05 UJ	220 J 180 J	5.7 J 6.6 J	61 100
	1530	Ebb	Shallow Deep	TD-051205-1530-S TD-051205-1530-D	3:30 PM 3:39 PM	3:39 PM 3:46 PM				96 66	TU-051205-1530-S TU-051205-1530-D	3:30 PM 3:36 PM	3:36 PM 3:42 PM				45 51
	1600	Ebb	Shallow Deep	TD-051205-1600-S TD-051205-1600-D	4:04 PM 4:12 PM	4:12 PM 4:21 PM	0.05 UJ 0.05 UJ	92 J 93 J	4.4 J 4 J	54 67	TU-051205-1600-S TU-051205-1600-D	4:00 PM 4:06 PM	4:06 PM 4:12 PM	0.05 UJ 0.05 UJ	90 J 94 J	6.4 J 6.6 J	32 37
	1630	Ebb	Shallow Deep	TD-051205-1630-S TD-051205-1630-D	4:32 PM 4:40 PM	4:40 PM 4:48 PM				49 38	TU-051205-1630-S TU-051205-1630-D	4:30 PM 4:36 PM	4:36 PM 4:42 PM				30 32
	1700	Ebb	Shallow Deep	TD-051205-1700-S TD-051205-1700-D	4:55 PM 5:03 PM	5:03 PM 5:11 PM	0.05 UJ 0.05 UJ	94 J 93 J	4.1 J 4.5 J	32 41	TU-051205-1700-S TU-051205-1700-D	5:00 PM 5:06 PM	5:06 PM 5:12 PM	0.05 UJ 0.05 UJ	95 J 98 J	6.5 J 6.3 J	22 28

Notes:

* This ISCO sample is a duplicate. Duplicate samples have been averaged to get a single result.

1. TD (Downriver) and TU (Upriver) refer to the TOPS sample location.
2. The change in shading corresponds to the change in the tidal cycle.
3. Bromide, Chloride, and Total Organic Carbon samples were analyzed together by USGS and USEPA Region 2 DESA laboratory, whereas Total Suspended Solid samples were analyzed by DESA laboratory only.
4. Results reported are considered validated.

5. Qualifiers

- U Not detected; value is reporting limit
- K Estimated value; possible high bias
- L Estimated value; possible low bias
- J Estimated value; direction of bias unknown.
- NA Not Analyzed
- R Anomalous values rejected by Project QA Officer

Table 14
ISCO

Sampling Date	Planned Sample Time	Tidal Cycle	Sample Depth	TD (Downriver)						TU (Upriver)							
				Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)
12/6/2005	0730	Flood	Shallow	TD-051206-0730-S	7:38 AM	7:46 AM	0.1 J	100 J	4.2 J	27							
			Deep	TD-051206-0730-D	7:46 AM	7:54 AM				10							
	0800	Flood	Shallow	TD-051206-0800-S	8:02 AM	8:10 AM	0.05 UJ	170 J	6.9 J	20	TU-051206-0800-S	8:15 AM	8:21 AM	0.05 UJ	270 J	4.4 J	22
			Deep	TD-051206-0800-D	8:10 AM	8:19 AM	3.1 J	1,000 J	7.3 J	20	TU-051206-0800-D	8:21 AM	8:27 AM	2.3 J	750 J	3.3 J	38
	0830	Flood	Shallow	TD-051206-0830-S	8:30 AM	8:38 AM				22	TU-051206-0830-S	8:30 AM	8:36 AM				8.4
			Deep	TD-051206-0830-D	8:38 AM	8:47 AM				28	TU-051206-0830-D	8:36 AM	8:42 AM				28
	0900	Flood	Shallow	TD-051206-0900-S	9:00 AM	9:08 AM	3 J	990 J		20	TU-051206-0900-S	9:00 AM	9:06 AM	3.9 J	1,300 J		19
			Deep	TD-051206-0900-D	9:08 AM	9:17 AM	7.3 J	2,500 J		38	TU-051206-0900-D*	9:26 AM	9:32 AM	11	4,050 J		69
	0930	Flood	Shallow	TD-051206-0930-S*	9:32 AM	9:40 AM				14.5	TU-051206-0930-S*	9:30 AM	9:36 AM				17.5
			Deep	TD-051206-0930-D	9:40 AM	9:48 AM				16	TU-051206-0930-D	9:36 AM	9:42 AM				50
	1000	Flood	Shallow	TD-051206-1000-S	10:00 AM	10:08 AM	4.3 J	1,400 J	7.4 J	11	TU-051206-1000-S	10:00 AM	10:06 AM	4.3 J	1,400 J	3.8 J	14
			Deep	TD-051206-1000-D	10:08 AM	10:16 AM	8.3 J	2,800 J	5.1 J	22	TU-051206-1000-D	10:06 AM	10:12 AM	12 J	4,600 J	3 J	35
	1030	Flood	Shallow	TD-051206-1030-S	10:40 AM	10:48 AM				9.6	TU-051206-1030-S	10:30 AM	10:37 AM				14
			Deep	TD-051206-1030-D*	10:48 AM	10:56 AM				19.5	TU-051206-1030-D*	10:37 AM	10:45 AM				25.5
	1100	Flood	Shallow	TD-051206-1100-S	11:00 AM	11:08 AM	5.1 J	1,600 J	6.2 J	12	TU-051206-1100-S	11:00 AM	11:06 AM	4.2 J	1,500 J	3.8 J	8.8
			Deep	TD-051206-1100-D	11:08 AM	11:16 AM	7.7 J	2,700 J	5.8 J	14	TU-051206-1100-D	11:06 AM	11:12 AM	11 J	4,200 J	3.1 J	18
	1130	Flood	Shallow	TD-051206-1130-S	11:30 AM	11:39 AM	5.4 J	1,800 J		10	TU-051206-1130-S	11:30 AM	11:36 AM				9.6
			Deep	TD-051206-1130-D	11:39 AM	11:47 AM	9.1 J	3,200 J		12	TU-051206-1130-D	11:36 AM	11:42 AM				18
	1330	Ebb	Shallow	TD-051206-1330-S	1:30 PM	1:39 PM				13	TU-051206-1330-S	1:30 PM	1:36 PM				11
			Deep	TD-051206-1330-D	1:39 PM	1:47 PM				11	TU-051206-1330-D	1:36 PM	1:42 PM				10
1400	Ebb	Shallow	TD-051206-1400-S	2:00 PM	2:08 PM	1.9 J	630 J	6.9 J	10	TU-051206-1400-S	2:00 PM	2:06 PM	1.4 J	540 J	4.9 J		
		Deep	TD-051206-1400-D	2:08 PM	2:17 PM	5.6	1,800 J	3.9 J	20	TU-051206-1400-D	2:06 PM	2:12 PM	8.7 J	3,300 J	3.2 J	21	
1430	Ebb	Shallow	TD-051206-1430-S	2:30 PM	2:38 PM				31	TU-051206-1430-S	2:30 PM	2:36 PM				22	
		Deep	TD-051206-1430-D	2:38 PM	2:46 PM				27	TU-051206-1430-D	2:36 PM	2:42 PM				38	
1500	Ebb	Shallow	TD-051206-1500-S	3:00 PM	3:09 PM	3.2 J	1,000 J	4.1 J	35	TU-051206-1500-S	3:00 PM	3:06 PM	2.6 J	910 J	4 J	19	
		Deep	TD-051206-1500-D	3:09 PM	3:17 PM	4.2 J	1,400 J	3.8 J	46	TU-051206-1500-D	3:06 PM	3:12 PM	4.9 J	1,700 J	3.4 J	35	
1530	Ebb	Shallow	TD-051206-1530-S	3:30 PM	3:39 PM				66	TU-051206-1530-S	3:30 PM	3:36 PM				33	
		Deep	TD-051206-1530-D	3:39 PM	3:46 PM				63	TU-051206-1530-D	3:36 PM	3:42 PM				50	
1600	Ebb	Shallow	TD-051206-1600-S	4:00 PM	4:08 PM	1.9 J	630 J		59	TU-051206-1600-S	4:00 PM	4:06 PM	0.87 J	380 J		31	
		Deep	TD-051206-1600-D	4:08 PM	4:16 PM	1.6 J	540 J		75	TU-051206-1600-D	4:06 PM	4:12 PM				120	
1630	Ebb	Shallow								TU-051206-1630-S	4:30 PM	4:36 PM				48	
		Deep								TU-051206-1630-D	4:36 PM	4:42 PM				38	

Notes:

* This ISCO sample is a duplicate. Duplicate samples have been averaged to get a single result.

1. TD (Downriver) and TU (Upriver) refer to the TOPS sample location.

2. The change in shading corresponds to the change in the tidal cycle.

3. Bromide, Chloride, and Total Organic Carbon samples were analyzed together by USGS and USEPA Region 2 DESA laboratory, whereas Total Suspended Solid samples were analyzed by DESA laboratory only.

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- R Anomalous values rejected by Project QA Officer

Table 14
ISCO

Sampling Date	Planned Sample Time	Tidal Cycle	Sample Depth	TD (Downriver)							TU (Upriver)						
				Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)
12/7/2005	0800	Flood	Shallow	TD-051207-0800-S	8:08 AM	8:17 AM	0.05 UJ	81 J	4.3 J	27	TU-051207-0800-S	7:50 AM	7:56 AM				6.8
			Deep	TD-051207-0800-D	8:17 AM	8:25 AM	0.05 UJ	78 J	4.3 J	10	TU-051207-0800-D	7:56 AM	8:02 AM	0.05 UJ	83 J	4.5 J	4.4
	0830	Flood	Shallow	TD-051207-0830-S	8:30 AM	8:39 AM	0.05 UJ	80 J		19	TU-051207-0830-S	7:56 AM	8:02 AM				7.6
			Deep	TD-051207-0830-D	8:39 AM	8:47 AM	0.05 UJ	86 J		5.7							
	0900	Flood	Shallow	TD-051207-0900-S	9:00 AM	9:09 AM	0.05 UJ	88 J		8.4	TU-051207-0900-S	9:00 AM	9:06 AM	0.05 UJ	80 J		16
			Deep	TD-051207-0900-D	9:09 AM	9:18 AM	0.05 UJ	86 J		8.4	TU-051207-0900-D	9:06 AM	9:12 AM				16
	0930	Flood	Shallow	TD-051207-0930-S*	9:40 AM	9:49 AM				11.5	TU-051207-0930-S	9:30 AM	9:36 AM	0.05 UJ	88 J	4.4 J	13
			Deep	TD-051207-0930-D	9:50 AM	9:59 AM	4.5 J	1,600 J		18	TU-051207-0930-D	9:36 AM	9:42 AM	0.05 UJ	89 J	4.4 J	12
	1000	Flood	Shallow	TD-051207-1000-S	10:00 AM	10:09 AM	0.37 J	230 J	4.4 J	10	TU-051207-1000-S	10:00 AM	10:06 AM				15
			Deep	TD-051207-1000-D	10:09 AM	10:18 AM	4.5 J	1,900 J	4.8 J	22	TU-051207-1000-D	10:06 AM	10:12 AM				25
	1030	Flood	Shallow	TD-051207-1030-S	10:30 AM	10:39 AM				12	TU-051207-1030-S	10:30 AM	10:36 AM				13
			Deep	TD-051207-1030-D	10:39 AM	10:47 AM				26	TU-051207-1030-D*	10:36 AM	10:42 AM				24
	1100	Flood	Shallow	TD-051207-1100-S	11:00 AM	11:08 AM	1.8 J	700 J	3.4 J	11	TU-051207-1100-S	11:00 AM	11:06 AM	0.68 J	350 J	4.2 J	15
			Deep	TD-051207-1100-D	11:08 AM	11:16 AM	5.9 J	2,600 J	4.4 J	21	TU-051207-1100-D	11:06 AM	11:12 AM	7.3	3,200 J	3.9 J	26
	1130	Flood	Shallow	TD-051207-1130-S	11:30 AM	11:39 AM				12	TU-051207-1130-S	11:30 AM	11:36 AM				14
			Deep	TD-051207-1130-D	11:39 AM	11:47 AM				17	TU-051207-1130-D	11:36 AM	11:42 AM				27
	1200	Flood	Shallow	TD-051207-1200-S	12:00 PM	12:08 PM	2.8 J	1,100 J	4.3 J	15	TU-051207-1200-S	12:00 PM	12:06 PM	1.5 J	610 J	4.4 J	8.4
			Deep	TD-051207-1200-D	12:08 PM	12:17 PM	6.4 J	2,500 J	3.7 J	13	TU-051207-1200-D	12:06 PM	12:12 PM				24
	1230	Ebb	Shallow	TD-051207-1230-S	12:30 PM	12:38 PM				15	TU-051207-1230-S*	12:30 PM	12:36 PM				8.4
			Deep	TD-051207-1230-D	12:38 PM	12:47 PM				14	TU-051207-1230-D	12:36 PM	12:42 PM				24
1430	Ebb	Shallow	TD-051207-1430-S	2:30 PM	2:38 PM				12	TU-051207-1430-S	2:30 PM	2:36 PM				6	
		Deep	TD-051207-1430-D*	2:38 PM	2:47 PM				9	TU-051207-1430-D	2:36 PM	2:42 PM				9.2	
1500	Ebb	Shallow	TD-051207-1500-S	3:00 PM	3:08 PM				8	TU-051207-1500-S	3:00 PM	3:06 PM	1 J	440 J		4.4	
		Deep	TD-051207-1500-D	3:08 PM	3:16 PM				8.4	TU-051207-1500-D	3:06 PM	3:12 PM				9.6	
1530	Ebb	Shallow	TD-051207-1530-S	3:30 PM	3:38 PM				7.6	TU-051207-1530-S	3:30 PM	3:36 PM				6	
		Deep	TD-051207-1530-D	3:38 PM	3:46 PM				14	TU-051207-1530-D	3:36 PM	3:42 PM				9.6	
1600	Ebb	Shallow	TD-051207-1600-S	4:00 PM	4:08 PM	1.6 J	630 J	4.3 J	6.4	TU-051207-1600-S	4:00 PM	4:06 PM	1.3 J	540 J	4.9 J	8.8	
		Deep	TD-051207-1600-D	4:08 PM	4:16 PM	2.9 J	1,200 J	4.1 J	11	TU-051207-1600-D	4:06 PM	4:12 PM	5 UJ	2,000 J	3.9 J	14	
1630	Ebb	Shallow	TD-051207-1630-S	4:30 PM	4:39 PM				13	TU-051207-1630-S	4:25 PM	4:31 PM				8.4	
		Deep	TD-051207-1630-D	4:39 PM	4:47 PM				29	TU-051207-1630-D	4:31 PM	4:37 PM				12	

Notes:

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1. TD (Downriver) and TU (Upriver) refer to the TOPS sample location.
2. The change in shading corresponds to the change in the tidal cycle.
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Table 14
ISCO

Sampling Date	Planned Sample Time	Tidal Cycle	Sample Depth	TD (Downriver)					TU (Upriver)								
				Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)
12/8/2005	0730	Ebb	Shallow Deep							TU-051208-0730-S	7:45 AM	7:51 AM	0.05 UJ	91 J	4.6 J	4.8	
										TU-051208-0730-D	7:51 AM	7:57 AM	0.05 UJ	94 J	4.6 J	4.8	
	0800	Low Tide	Shallow Deep							TU-051208-0800-S	8:00 AM	8:06 AM				4.8	
										TU-051208-0800-D	8:06 AM	8:12 AM				5.6	
	0830	Flood	Shallow Deep	TD-051208-0830-S TD-051208-0830-D	8:30 AM 8:36 AM	8:36 AM 8:42 AM											
	0900	Flood	Shallow Deep	TD-051208-0900-S TD-051208-0900-D	9:00 AM 9:09 AM	9:09 AM 9:18 AM	0.05 UJ 0.05 UJ	110 J 86 J	4.5 J 4.3 J	6 5.2	TU-051208-0900-S TU-051208-0900-D	9:00 AM 9:06 AM	9:06 AM 9:12 AM	0.05 UJ 0.05 UJ	86 J 90 J	4.4 J 4.6 J	5.2 4.4
	0930	Flood	Shallow Deep	TD-051208-0930-S TD-051208-0930-D	9:30 AM 9:39 AM	9:39 AM 9:48 AM	0.05 UJ	83 J		7.2 7.6	TU-051208-0930-S TU-051208-0930-D	9:30 AM 9:36 AM	9:36 AM 9:42 AM				4.4 6
	1000	Flood	Shallow Deep								TU-051208-1000-S TU-051208-1000-D	10:00 AM 10:06 AM	10:06 AM 10:12 AM	0.05 UJ 0.086 J	93 J 100 J	5.2 J 3.3 J	12 18
	1030	Flood	Shallow Deep	TD-051208-1030-S TD-051208-1030-D	10:30 AM 10:38 AM	10:38 AM 10:46 AM				21 30	TU-051208-1030-S* TU-051208-1030-D*	10:30 AM 10:36 AM	10:36 AM 10:42 AM	9.6 J 4.8 J	3,500 J 1,600 J	2.5 J 3.1 J	33.5 33
	1100	Flood	Shallow Deep	TD-051208-1100-S TD-051208-1100-D	11:00 AM 11:08 AM	11:08 AM 11:16 AM				41 58	TU-051208-1100-S* TU-051208-1100-D*	11:00 AM 11:06 AM	11:06 AM 11:12 AM	3.7 J 10 J	1,250 J 3,100 J	3.8 J 4.05 J	30 90
	1130	Flood	Shallow Deep	TD-051208-1130-S* TD-051208-1130-D*	11:30 AM 11:39 AM	11:39 AM 11:47 AM				29 47.5	TU-051208-1130-S TU-051208-1130-D	11:30 AM 11:36 AM	11:36 AM 11:42 AM	7.9 J 14 J	2,800 J 4,700 J	4 J 3.3 J	25 62
	1200	Flood	Shallow Deep	TD-051208-1200-S TD-051208-1200-D	12:00 PM 12:09 PM	12:09 PM 12:17 PM	12 J 18 J	3,300 J 4,800 J		28 39	TU-051208-1200-S	12:00 PM	12:06 PM	8.1 J	3,500 J	2.4 J	27
	1230	Flood	Shallow Deep	TD-051208-1230-S TD-051208-1230-D	12:30 PM 12:38 PM	12:38 PM 12:45 PM	14 J 18 J	3,800 J 4,900 J		17 27	TU-051208-1230-S	12:30 PM	12:36 PM	0.62 J	3,500 J	2.3 J	20
	1300	Flood	Shallow Deep	TD-051208-1300-S TD-051208-1300-D	1:00 PM 1:08 PM	1:08 PM 1:16 PM	13 J 18 J	3,400 J 4,900 J	3.7 J 3.9 J	12 20							
	1330	High Tide	Shallow Deep	TD-051208-1330-S TD-051208-1330-D	1:30 PM 1:39 PM	1:39 PM 1:45 PM	13 J 17 J	3,400 J 4,700 J	4 J 3.7 J	15 20	TU-051208-1330-S TU-051208-1330-D	1:30 PM 1:36 PM	1:36 PM 1:42 PM	0.5 UJ 0.75 J	4,000 J 6,100 J	2.9 J 2.2 J	18 25
	1500	Ebb	Shallow Deep	TD-051208-1500-S TD-051208-1500-D	3:03 PM 3:10 PM	3:10 PM 3:20 PM				11 15	TU-051208-1500-S TU-051208-1500-D	3:00 PM 3:06 PM	3:06 PM 3:12 PM	5.4 J 0.73 J	2,100 J 5,000 J	2.8 J 3.2 J	13 16
	1530	Ebb	Shallow Deep	TD-051208-1530-S TD-051208-1530-D	3:30 PM 3:40 PM	3:40 PM 3:48 PM				11 12	TU-051208-1530-S TU-051208-1530-D	3:30 PM 3:36 PM	3:36 PM 3:42 PM				11 15
	1600	Ebb	Shallow Deep	TD-051208-1600-S TD-051208-1600-D	4:00 PM 4:09 PM	4:09 PM 4:17 PM				8.4 11	TU-051208-1600-S	4:00 PM	4:06 PM				12

Notes:

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2. The change in shading corresponds to the change in the tidal cycle.

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Table 14
ISCO

Sampling Date	Planned Sample Time	Tidal Cycle	Sample Depth	TD (Downriver)						TU (Upriver)								
				Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	
12/10/2005	0700	Ebb	Shallow									TU-051210-0700-S	7:10 AM	7:16 AM	0.59 J	510 J	4.9 J	23
			Deep									TU-051210-0700-D	7:16 AM	7:22 AM	10 J	2,900 J	4.3 J	22
	0730	Ebb	Shallow	TD-051210-0730-S	7:35 AM	7:45 AM	13 J	3,400 J	4.2 J	19	TU-051210-0730-S	7:30 AM	7:36 AM					36
			Deep	TD-051210-0730-D	7:45 AM	7:53 AM	22 J	6,100 J	3.6 J	23	TU-051210-0730-D	7:36 AM	7:42 AM					51
	0800	Ebb	Shallow	TD-051210-0800-S	8:00 AM	8:08 AM	1.3 J	420 J		31	TU-051210-0800-S	8:00 AM	8:06 AM	1.5 J	480 J			42
			Deep	TD-051210-0800-D	8:08 AM	8:16 AM	2.7 J	810 J		21	TU-051210-0800-D	8:06 AM	8:12 AM	7.8 J	2,000 J			34
	0830	Ebb	Shallow	TD-051210-0830-S	8:35 AM	8:45 AM				26	TU-051210-0830-S	8:30 AM	8:36 AM					37
			Deep	TD-051210-0830-D	8:45 AM	8:53 AM				24	TU-051210-0830-D	8:36 AM	8:42 AM					36
	0900	Ebb	Shallow	TD-051210-0900-S	9:00 AM	9:08 AM	1.2 J	400 J	3.8 J	25	TU-051210-0900-S	9:00 AM	9:06 AM	0.73 J	280 J	4.5 J	41	
			Deep	TD-051210-0900-D	9:08 AM	9:18 AM	1.7 J	530 J	3.8 J	25	TU-051210-0900-D	9:06 AM	9:12 AM	4.6 J	1,400 J	4.2 J	43	
	0930	Ebb	Shallow	TD-051210-0930-S	9:30 AM	9:35 AM				34	TU-051210-0930-S*	9:30 AM	9:36 AM					41.5
			Deep	TD-051210-0930-D*	9:35 AM	9:45 AM				28	TU-051210-0930-D	9:36 AM	9:42 AM					54
	1000	Ebb	Shallow	TD-051210-1000-S	10:00 AM	10:08 AM	0.69 J	280 J	3.8 J	43	TU-051210-1000-S	10:00 AM	10:06 AM	0.32 J	190 J	4.5 J	50	
			Deep	TD-051210-1000-D	10:08 AM	10:17 AM	1.2 J	420 J	4.3 J	49	TU-051210-1000-D	10:06 AM	10:12 AM	1.6 J	490 J	4.5 J	68	
	1030	Low Tide	Shallow	TD-051210-1030-S*	10:30 AM	10:38 AM				52	TU-051210-1030-S	10:30 AM	10:36 AM					66
			Deep	TD-051210-1030-D	10:38 AM	10:45 AM	0.81 J	320 J		42	TU-051210-1030-D*	10:36 AM	10:42 AM					58
	1200	Flood	Shallow	TD-051210-1200-S	12:08 PM	12:16 PM	0.88 J	340 J	4.5 J	34	TU-051210-1200-S	12:05 PM	12:11 PM	0.63 J	270 J	3.8 J	45	
			Deep	TD-051210-1200-D	12:16 PM	12:22 PM	3.1 J	970 J	4.7 J	26	TU-051210-1200-D	12:11 PM	12:17 PM	1.9 J	620 J	3.9 J	160	
	1230	Flood	Shallow	TD-051210-1230-S	12:37 PM	12:44 PM				36	TU-051210-1230-S	12:30 PM	12:36 PM					38
			Deep	TD-051210-1230-D	12:44 PM	12:53 PM				36	TU-051210-1230-D	12:36 PM	12:42 PM					100
	1300	Flood	Shallow	TD-051210-1300-S	1:00 PM	1:08 PM	3.6 J	1,100 J	4 J	47	TU-051210-1300-S	1:00 PM	1:06 PM	3.1 J	1,000 J	4.5 J	62	
			Deep	TD-051210-1300-D	1:08 PM	1:16 PM	14 J	3,800 J	3.9 J	86	TU-051210-1300-D	1:06 PM	1:12 PM	8.7 J	2,600 J	4.3 J	100	
	1330	Flood	Shallow	TD-051210-1330-S	1:30 PM	1:43 PM				43	TU-051210-1330-S	1:30 PM	1:36 PM					58
			Deep	TD-051210-1330-D	1:43 PM	1:52 PM				R	TU-051210-1330-D	1:36 PM	1:42 PM					200
1400	Flood	Shallow	TD-051210-1400-S	2:11 PM	2:19 PM	13 J	3,400 J	3.7 J	29	TU-051210-1400-S	2:00 PM	2:06 PM	9.4 J	3,400 J	4.6 J	38		
		Deep	TD-051210-1400-D	2:19 PM	2:28 PM	17 J	4,800 J	3.4 J	44	TU-051210-1400-D	2:06 PM	2:12 PM	16 J	5,200 J	3 J	130		
1430	Flood	Shallow	TD-051210-1430-S	2:31 PM	2:39 PM				26	TU-051210-1430-S	2:30 PM	2:36 PM					37	
		Deep	TD-051210-1430-D	2:39 PM	2:49 PM				22	TU-051210-1430-D	2:36 PM	2:42 PM					92	
1500	Flood	Shallow	TD-051210-1500-S	3:00 PM	3:08 PM	16 J	4,400 J	3.4 J	18	TU-051210-1500-S	3:00 PM	3:06 PM	13 J	4,300 J	2.8 J	32		
		Deep	TD-051210-1500-D	3:08 PM	3:16 PM	19 J	5,200 J	4.1 J	27	TU-051210-1500-D	3:06 PM	3:12 PM	18 J	6,000 J	2.7 J	58		
1530	Flood	Shallow	TD-051210-1530-S	3:31 PM	3:38 PM				18	TU-051210-1530-S	3:30 PM	3:36 PM					24	
		Deep	TD-051210-1530-D	3:38 PM	3:47 PM				22	TU-051210-1530-D	3:36 PM	3:42 PM					29	
1600	High Tide	Shallow	TD-051210-1600-S	4:00 PM	4:07 PM	15 J	4,300 J	3.8 J	18	TU-051210-1600-S	4:00 PM	4:06 PM	15 J	4,900 J	2.6 J	24		
		Deep	TD-051210-1600-D	4:07 PM	4:15 PM	20 J	5,500 J	3.7 J	29	TU-051210-1600-D	4:06 PM	4:12 PM	18 J	6,100 J	2.8 J	38		

Notes:

* This ISCO sample is a duplicate. Duplicate samples have been averaged to get a single result.

1. TD (Downriver) and TU (Upriver) refer to the TOPS sample location.
2. The change in shading corresponds to the change in the tidal cycle.
3. Bromide, Chloride, and Total Organic Carbon samples were analyzed together by USGS and USEPA Region 2 DESA laboratory, whereas Total Suspended Solid samples were analyzed by DESA laboratory only.
4. Results reported are considered validated.
5. Qualifiers

- U Not detected; value is reporting limit
- K Estimated value; possible high bias
- L Estimated value; possible low bias
- J Estimated value; direction of bias unknown.
- NA Not Analyzed
- R Anomalous values rejected by Project QA Officer

Table 14
ISCO

Sampling Date	Planned Sample Time	Tidal Cycle	Sample Depth	TD (Downriver)						TU (Upriver)						
				Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Sample ID	Approximate Sample Start Time	Approximate Sample End Time	Bromide (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)
12/12/2005	0700	Ebb	Shallow	TD-051212-0700-S	7:00 AM	7:06 AM				16						
			Deep	TD-051212-0700-D	7:06 AM	7:12 AM				25						
	0730	Ebb	Shallow	TD-051212-0730-S	7:30 AM	7:36 AM	8.9 J	2,500 J	4.5 J	22						
			Deep	TD-051212-0730-D	7:36 AM	7:42 AM	17 J	5,500 J	2.7 J	29						
	0800	Ebb	Shallow	TD-051212-0800-S	8:00 AM	8:06 AM	5.5 J	2,000 J	3.1 J	32						
			Deep	TD-051212-0800-D	8:06 AM	8:12 AM	13 J	5,500 J	2.4 J	30						
	0830	Ebb	Shallow	TD-051212-0830-S	8:30 AM	8:36 AM	6 J	1,800 J	2.9 J	39						
			Deep	TD-051212-0830-D	8:36 AM	8:42 AM	15 J	5,200 J	2.8 J	31						
	0900	Ebb	Shallow	TD-051212-0900-S	9:00 AM	9:06 AM				30						
			Deep	TD-051212-0900-D	9:06 AM	9:12 AM	15 J	5,000 J	2.6 J	30						
	0930	Ebb	Shallow	TD-051212-0930-S	9:30 AM	9:36 AM	4.1 J	1,300 J		26						
			Deep	TD-051212-0930-D	9:36 AM	9:42 AM	13 J	4,300 J		26						
	1000	Ebb	Shallow	TD-051212-1000-S	10:00 AM	10:06 AM	3 J	1,000 J	3.1 J	24						
			Deep	TD-051212-1000-D	10:06 AM	10:12 AM	11 J	3,400 J	3.1 J	22						
	1030	Ebb	Shallow	TD-051212-1030-S	10:30 AM	10:36 AM				21						
			Deep	TD-051212-1030-D*	10:36 AM	10:42 AM				20						
	1100	Ebb	Shallow	TD-051212-1100-S	11:00 AM	11:06 AM	1.9 J	730 J		32						
			Deep	TD-051212-1100-D	11:06 AM	11:12 AM	5.2 J	2,300 J		23						
1130	Ebb	Shallow	TD-051212-1130-S	11:30 AM	11:36 AM	1.5 J	600 J	3.5 J	33							
		Deep	TD-051212-1130-D	11:36 AM	11:42 AM	4.8 J	1,700 J	3.5 J	26							
1200	Ebb	Shallow	TD-051212-1200-S	12:00 PM	12:06 PM				47							
		Deep	TD-051212-1200-D	12:06 PM	12:12 PM				38							

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2. The change in shading corresponds to the change in the tidal cycle.
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