

## APPENDIX D: DATA TABLES

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**Table D-1. Chemistry results for composite samples of wild chinook salmon collected in May**

PARAMETER NAME	LDW-LWA-W-WF-COMP1A	LDW-LWA-W-WF-COMP2A	LDW-LWA-W-WF-COMP3A	LDW-MWA-W-WF-COMP4	LDW-MWB-W-WF-COMP5	LDW-MWC-W-WF-COMP6	LDW-GR-W-WF-COMP1	LDW-GR-W-WF-COMP2	LDW-GR-W-WF-COMP3
2,4'-DDD	5.1 J	1.8 U	3.2 U <sup>a</sup>	14 U	5.3 U	3.1 U	7.1 U	2.5 U	1.7 U
2,4'-DDE	4.2 U	4.3 J	11 J <sup>a</sup>	2.9 U	3.5 U	12 J	14 U	2.5 U	3.4 J
2,4'-DDT	14 J	21 J	26 J <sup>a</sup>	83	42	22 J	34 J	2.5 U	6.0 J
4,4'-DDD	0.77 J	1.6 J	1.6 <sup>a</sup>	3.9	2.8 J	5.4	2.1 J	1.4 J	0.53 J
4,4'-DDE	5.7	6.6	9.6 <sup>a</sup>	7.3 U	11	14 J	15	5.5 J	3.9
4,4'-DDT	12	20	23 <sup>a</sup>	82 U	39 U	16 U	31	3.2	1.9
DDTs (total-calc'd)	38 J	54 J	71 J <sup>a</sup>	87	56 J	53 J	82 J	10.1 J	15.7 J
Aldrin	0.83 U	0.36 U	0.47 U <sup>a</sup>	0.58 U	0.69 U	0.62 U	1.5 U	0.64 U	0.99 J
alpha-BHC	0.85 U	0.29 U	0.38 U <sup>a</sup>	0.47 U	0.55 U	0.61 U	2.3 U	1.3 U	0.27 U
alpha-Chlordane	1.5 U	0.77 J	0.85 U <sup>a</sup>	1.1 U	4.5 J	2.2 J	2.6 U	0.88 U	0.60 U
alpha-Endosulfan	0.54 U	0.38 U	1.1 <sup>a</sup>	0.38 U	3.5 U	0.40 U	0.93 U	0.90 U	1.7 U
beta-BHC	0.87 U	0.38 U	0.94 J <sup>a</sup>	0.61 U	0.72 U	0.84 J	1.5 U	0.56 J	1.1 U
beta-Endosulfan	1.5 U	0.63 U	0.83 U <sup>a</sup>	2.9 U	1.2 U	1.1 U	2.5 U	0.86 U	0.58 U
cis-Nonachlor	0.50 U	1.8 U	0.29 U <sup>a</sup>	1.2 U	0.61 U	0.37 U	0.86 U	0.30 U	0.20 U
delta-BHC	1.4 U	0.62 U	0.80 U <sup>a</sup>	1.1 U	1.2 U	1.1 U	2.5 U	0.83 U	0.57 U
Dieldrin	0.46 U	1.8 U	2.4 U <sup>a</sup>	2.9 U	3.5 U	5.7	7.1 U	0.44 U	0.52 J
Endosulfan sulfate	1.2 U	0.73 J	0.64 U <sup>a</sup>	0.78 U	0.92 U	1.1 U	2.0 U	0.66 U	1.7 U
Endrin	0.61 U	1.3 U	0.85 J <sup>a</sup>	6.5 J	2.1 J	0.64 J	6.3 U	5.2 J	1.7 U
Endrin aldehyde	0.70 U	1.8 U	2.4 U <sup>a</sup>	9.7	7.4 J	3.1 U	1.3 U	0.42 U	0.95 U
Endrin ketone	1.2 U	1.8 U	2.4 U <sup>a</sup>	2.9 U	3.5 U	3.1 U	2.1 U	0.71 U	1.7 U
gamma-BHC	1.5 U	1.7 U	0.66 U <sup>a</sup>	0.81 U	0.96 U	0.86 U	2.0 U	3.0 J	2.5 U
gamma-Chlordane	3.5 J	4.4	4.1 <sup>a</sup>	40	16	6.9 J	11	0.36 U	0.90 U
Heptachlor	1.9 U	1.8 J	1.1 U <sup>a</sup>	2.5 J	1.6 U	1.4 U	3.2 U	1.1 U	0.76 J
Heptachlor epoxide	2.3 J	2.2	3.6 <sup>a</sup>	7.4 U	3.9 U	3.0 J	8.2	0.77 J	0.94 J
Methoxychlor	1.2 U	0.49 U	0.64 U <sup>a</sup>	0.78 U	0.92 U	0.83 U	2.0 U	0.66 U	0.45 U
Mirex	1.9 U	3.1 U	3.2 U <sup>a</sup>	0.78 UJ	0.92 UJ	0.83 UJ	8.2 U	0.66 U	2.4 U
Oxychlordane	0.32 U	0.23 J	0.36 J <sup>a</sup>	0.48 U	1.5 J	1.3 J	0.55 U	0.19 U	0.13 U
Toxaphene	140 U	130 U	130 U <sup>a</sup>	560 U	340 U	270 U	170 U	130 U	83 U
trans-Nonachlor	0.73 J	1.1 J	1.1 J <sup>a</sup>	0.70 J	3.0 J	3.2	1.9 J	1.7 J	1.7 J
Aroclor-1016	8.3 U	3.6 U	4.7 U <sup>a</sup>	5.8 U	6.9 U	6.2 U	15 U	6.0 U	7.3 U
Aroclor-1221	13 U	5.6 U	7.3 U <sup>a</sup>	9.0 U	11 U	9.5 U	22 U	31 U	5.2 U
Aroclor-1232	8.3 U	3.6 U	4.7 U <sup>a</sup>	5.8 U	6.9 U	6.2 U	15 U	11 U	17 U
Aroclor-1242	15 U	6.3 U	8.3 U <sup>a</sup>	11 U	12 U	11 U	25 U	8.6 U	10 U
Aroclor-1248	3.2 U	1.4 U	1.8 U <sup>a</sup>	2.2 U	2.6 U	2.4 U	5.4 U	19 U	9.9 U
Aroclor-1254	130 J	190 J	210 J <sup>a</sup>	1,200	500 J	210 J	330 J	25 U	17 U
Aroclor-1260	61 J	110 J	110 J <sup>a</sup>	14 U	17 U	84	170 J	18 U	13 U
Total PCBs	190 J	300 J	320 J <sup>a</sup>	1,200	500 J	290 J	500 J	31 U	17 U
Tributyltin as ion (µg TBT/kg ww)	13 J	8.8 J	14 J	7.2 J	10 J	7.1 J	1.5 U	1.1 UJ	1.5 UJ

PARAMETER NAME	LDW-LWA-W-WF-COMP1A	LDW-LWA-W-WF-COMP2A	LDW-LWA-W-WF-COMP3A	LDW-MWA-W-WF-COMP4	LDW-MWB-W-WF-COMP5	LDW-MWC-W-WF-COMP6	LDW-GR-W-WF-COMP1	LDW-GR-W-WF-COMP2	LDW-GR-W-WF-COMP3
Total solids (% ww)	20.3	19.9	21.3	20.3	20.2	19.9	23.8	20.0	19.6
Lipid (% ww)	0.55	1.0	1.1	0.70 <sup>b</sup>	0.98	1.3	1.3	1.3	0.85

All units in µg/kg ww, unless otherwise noted.

<sup>a</sup> Result represents the average of two laboratory duplicates.

<sup>b</sup> Result represents the average of laboratory triplicates.

Total PCBs represents the sum of the detected concentrations of individual Aroclors

Total DDTs represents the sum of the detected concentrations of DDD, DDE and DDT

**Table D-2. Chemistry results for composite samples of wild chinook salmon collected in June**

PARAMETER NAME	LDW-LWA-W-WF-COMP1B	LDW-LWA-W-WF-COMP2B	LDW-LWA-W-WF-COMP3B	LDW-MWB-W-WF-COMP1	LDW-MWB-W-WF-COMP2	LDW-MWB-W-WF-COMP3	LDW-RM18-W-WF-COMP1	LDW-RM18-W-WF-COMP2	LDW-RM18-W-WF-COMP3
2,4'-DDD	0.72 J	1.4 J	0.63 <sup>a</sup>	1.9 J	0.18 U	0.63 J	0.18 U	1.0 U	0.18 U
2,4'-DDE	0.75 J	2.0 U	1.5 U <sup>a</sup>	0.26 U	0.72 J	1.0 U	0.90 U	1.7 J	1.8 J
2,4'-DDT	1.8 J	2.0 U	11 <sup>a</sup>	0.22 U	1.0 U	1.0 U	0.22 U	1.0 U	1.0 U
4,4'-DDD	0.13 U	0.26 U	0.27 <sup>a</sup>	0.13 U	0.13 U	0.44 U	0.13 U	0.13 U	0.13 U
4,4'-DDE	2.3	2.0 U	1.5 U <sup>a</sup>	2.2	1.8 J	2.5 J	3.5	2.9	2.3
4,4'-DDT	1.2	1.4 U	1.6 U <sup>a</sup>	0.56 J	0.38 U	0.92 J	0.76 U	1.0	0.59 J
DDTs (total-calc'd)	6.8 J	1.4 J	12 J <sup>a</sup>	4.7 J	2.5 J	4.1 J	3.5	5.6 J	4.7 J
Aldrin	0.20 U	0.40 U	0.29 U <sup>a</sup>	0.61 J	0.20 U	0.20 U	0.26 U	0.38 U	0.37 U
alpha-BHC	0.82 U	0.32 U	0.77 <sup>a</sup>	0.74 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
alpha-Chlordane	0.36 U	0.72 U	0.52 U <sup>a</sup>	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
alpha-Endosulfan	0.54 U	0.35 U	0.63 J <sup>a</sup>	0.21 J	1.0 U	1.0 U	0.24 J	0.26 J	0.42 J
beta-BHC	1.0 U	1.1 U	0.98 J <sup>a</sup>	4.4	0.39 J	1.2 J	0.53 J	0.21 U	0.50 J
beta-Endosulfan	0.35 U	0.70 U	0.50 U <sup>a</sup>	0.35 U	0.35 U	1.0 U	0.35 U	0.35 U	0.35 U
cis-Nonachlor	0.12 U	0.31 U	0.18 U <sup>a</sup>	1.0 U	2.3 U	2.3 U	0.12 U	0.12 U	1.6 U
delta-BHC	0.34 U	0.68 U	1.5 U <sup>a</sup>	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Dieldrin	1.0 U	2.0 U	0.16 U <sup>a</sup>	0.11 U	1.0 U	1.0 U	0.11 U	0.97 J	0.89 J
Endosulfan sulfate	0.50 U	0.59 U	0.39 U <sup>a</sup>	0.27 U	1.5	1.1 J	0.27 U	1.0 U	1.0 U
Endrin	0.73 U	2.0 U	0.15 U <sup>a</sup>	0.099 U	1.0 U	0.67 U	0.12 U	0.099 U	0.73 J
Endrin aldehyde	0.17 U	2.0 U	0.25 U <sup>a</sup>	0.17 U	0.67 U	0.97 J	0.62 J	0.44 J	1.1 J
Endrin ketone	0.29 U	0.80 J	0.42 U <sup>a</sup>	0.39 U	0.33 U	0.35 U	0.72 U	0.29 U	0.29 U
gamma-BHC	0.28 U	1.2 U	0.69 U <sup>a</sup>	1.0 U	0.28 U	1.0 J	0.28 U	0.28 U	0.34 J
gamma-Chlordane	0.14 U	2.0 U	1.1 J <sup>a</sup>	1.0 U	0.96 J	1.0 U	0.59 U	0.32 J	0.14 U
Heptachlor	0.96 J	0.90 U	0.65 U <sup>a</sup>	0.45 U	0.45 U	0.45 U	1.9	0.45 U	1.5 J
Heptachlor epoxide	1.6 J	2.0 U	0.72 J <sup>a</sup>	0.15 U	0.93 J	1.7	1.0 U	0.45 U	0.31 J
Methoxychlor	1.0 U	0.54 U	0.44 <sup>a</sup>	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.33 U
Mirex	0.27 U	0.54 U	0.39 U <sup>a</sup>	0.27 U	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U
Oxychlordane	0.31 U	0.29 U	0.12 U <sup>a</sup>	0.13 U	0.14 U	0.77 U	0.14 U	0.50 U	0.12 U
Toxaphene	30 U	39 U	80 U <sup>a</sup>	16 U	65 U	50 U	37 U	18 U	13 U
trans-Nonachlor	1.0 U	0.28 U	1.5 U <sup>a</sup>	0.19 U	0.27 U	0.20 U	0.62 J	1.0 U	0.11 U
Aroclor-1016	2.0 U	4.0 U	2.9 U <sup>a</sup>	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1221	3.1 U	6.2 U	4.5 U <sup>a</sup>	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Aroclor-1232	2.0 U	4.0 U	2.9 U <sup>a</sup>	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1242	3.5 U	7.0 U	5.0 U <sup>a</sup>	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Aroclor-1248	0.76 U	1.6 U	1.1 U <sup>a</sup>	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Aroclor-1254	9.3 J	21	27 J <sup>a</sup>	6.9 J	10 J	20 J	6.3 J	6.6 J	5.8 J
Aroclor-1260	4.7 U	9.4 U	6.8 U <sup>a</sup>	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Total PCBs	9.3 J	21	30 J <sup>a</sup>	6.9 J	10 J	20 J	6.3 J	6.6 J	5.8 J
Tributyltin as ion (µg TBT/kg ww)	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ <sup>a</sup>	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ

PARAMETER NAME	LDW-LWA-W-WF-COMP1B	LDW-LWA-W-WF-COMP2B	LDW-LWA-W-WF-COMP3B	LDW-MWB-W-WF-COMP1	LDW-MWB-W-WF-COMP2	LDW-MWB-W-WF-COMP3	LDW-RM18-W-WF-COMP1	LDW-RM18-W-WF-COMP2	LDW-RM18-W-WF-COMP3
Total solids (% ww)	21.4 <sup>a</sup>	21.2	20.6	22.2	20.7	21.9	20.9	20.7	20.8
Lipid (% ww)	1.5	1.8 <sup>b</sup>	1.7	2.8	1.4	2.7	1.6	1.8	2.1

All units in µg/kg ww, unless otherwise noted.

<sup>a</sup> Result represents the average of two laboratory duplicates.

<sup>b</sup> Result represents the average of laboratory triplicates.

Total DDTs represents the sum of the detected concentrations of DDD, DDE and DDT

Total PCBs represents the sum of the detected concentrations of individual Aroclors

**Table D-3. Chemistry results for composite samples of hatchery chinook salmon collected in May at the Soos Creek Hatchery and in June from the LDW**

PARAMETER NAME	LDW-SC-H-WF-COMP1	LDW-LWA-H-WF-COMP1	LDW-LWA-H-WF-COMP2	LDW-LWA-H-WF-COMP3	LDW-MW-H-WF-COMP1	LDW-MW-H-WF-COMP2	LDW-MW-H-WF-COMP3	LDW-RM18-H-WF-COMP1	LDW-RM18-H-WF-COMP2	LDW-RM18-H-WF-COMP3
2,4'-DDD	7.2 J	1.4 J	0.36 U	0.49 J	1.0 U	1.0 U	1.5 U	0.18 U	1.0 U	0.18 U
2,4'-DDE	1.1 U	2.2	2.2 J	2.0 U	1.0 U	0.79 J	3.6 U	0.76 J	0.64 J	0.64 J
2,4'-DDT	2.5 U	2.1 J	4.3 J	3.9 J	1.0 U	4.7 J	10 J	0.65 U	2.5 J	2.2 J
4,4'-DDD	1.4 J	0.77 J	0.26 U	0.36 J	0.39 J	0.44 J	0.51 J	0.57 J	0.32 J	0.34 J
4,4'-DDE	7.5	2.0 U	4.3 J	3.0 U	3.8	5.0	9.6 J	3.7	4.8	3.4
4,4'-DDT	0.95 U	1.7 J	3.1	2.9	6.3 U	2.0 U	6.8 U	0.70 J	1.1 U	1.1 U
DDTs (total-calc'd)	16.1 J	8.2 J	13.9 J	7.7 J	4.2 J	10.9 J	20 J	5.7 J	8.3 J	6.6 J
Aldrin	1.9 U	0.40 U	0.40 U	0.40 U	0.20 U	0.20 U	1.0 U	0.20 U	0.20 U	0.35 U
alpha-BHC	0.40 U	0.32 U	0.32 U	2.0 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
alpha-Chlordane	1.2 J	0.72 U	0.72 U	0.72 U	1.0 U	0.36 U	1.2 J	0.36 U	0.36 U	0.36 U
alpha-Endosulfan	0.33 U	0.39 U	1.1 U	1.5 J	0.50 J	0.13 U	0.99 U	0.49 U	0.95 J	0.17 U
beta-BHC	12	0.42 U	0.42 U	0.42 U	0.42 J	0.66 U	1.0 U	0.21 U	0.21 U	0.21 U
beta-Endosulfan	0.88 U	0.70 U	0.70 U	0.70 U	0.94 J	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
cis-Nonachlor	0.30 U	1.7 U	0.24 U	1.6 U	1.0 U	0.12 U	1.0 U	0.12 U	1.0 U	0.12 U
delta-BHC	0.85 U	0.68 U	0.68 U	2.0 U	0.34 U	0.34 U	2.0 U	0.34 U	0.34 U	0.34 U
Dieldrin	1.5 J	0.76 J	2.0	1.2 J	1.0 U	0.12 U	1.2 U	0.11 U	1.0 U	1.1
Endosulfan sulfate	0.68 U	0.60 U	2.3	2.0 U	0.31 U	0.27 U	1.0 U	0.73 J	2.0 J	1.0 U
Endrin	0.25 U	0.20 U	1.9 U	2.0 U	0.41 J	0.40 J	0.39 J	0.099 U	0.17 J	0.18 U
Endrin aldehyde	0.50 U	0.34 U	0.34 U	1.2 J	1.0 U	0.86 J	1.0 U	0.17 U	0.17 U	0.18 U
Endrin ketone	0.76 U	0.58 U	0.58 U	0.58 U	1.0 U	0.29 U	0.29 U	0.29 U	0.58 J	1.1 U
gamma-BHC	2.6	0.56 U	0.76 U	1.6 U	0.28 U	0.53 U	0.54 J	0.28 U	0.28 U	0.28 U
gamma-Chlordane	0.56 U	0.28 U	2.0 U	1.5 U	2.0 U	0.62 U	3.1	1.0 U	0.36 J	1.0 U
Heptachlor	2.5 U	0.90 U	0.90 U	0.89 U	0.98 J	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U
Heptachlor epoxide	0.38 U	1.1 J	2.6 J	2.0 U	1.9 J	1.0 U	0.85 J	0.15 U	0.59 J	1.3 J
Methoxychlor	6.3 U	0.54 U	0.54 U	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Mirex	0.68 U	0.54 U	0.54 U	0.54 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Oxychlordane	0.37 U	0.84 U	0.16 U	0.16 U	0.24 J	0.25 J	1.0 U	0.077 U	0.086 J	0.16 U
Toxaphene	46 U	41 U	70 U	99 U	82 U	19 U	200 U	24 U	32 U	53 U
trans-Nonachlor	0.73 J	0.44 U	1.1 U	0.25 U	0.43 U	0.14 U	1.0 U	0.23 U	1.0 U	1.0 U
Aroclor-1016	5.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1221	7.8 U	6.2 U	6.2 U	6.2 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Aroclor-1232	5.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1242	57	7.0 U	7.0 U	7.0 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Aroclor-1248	1.9 U	1.6 U	1.6 U	1.6 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Aroclor-1254	28 J	14 J	38	18 J	96 J	18 J	110 J	9.8 J	9.5 J	9.3 J
Aroclor-1260	12 U	9.4 U	9.4 U	9.3 U	45 J	18 J	63	4.7 U	4.7 U	4.7 U
Total PCBs	85 J	14 J	38	18 J	141 J	36 J	170 J	9.8 J	9.5 J	9.3 J
Tributyltin as ion (µg TBT/kg ww)	1.5 UJ	1.5 UJ	3.4 J	1.5 UJ	1.9 J	1.5 UJ	1.8 J	1.5 UJ	1.5 UJ	1.5 UJ

PARAMETER NAME	LDW-SC-H-WF-COMP1	LDW-LWA-H-WF-COMP1	LDW-LWA-H-WF-COMP2	LDW-LWA-H-WF-COMP3	LDW-MW-H-WF-COMP1	LDW-MW-H-WF-COMP2	LDW-MW-H-WF-COMP3	LDW-RM18-H-WF-COMP1	LDW-RM18-H-WF-COMP2	LDW-RM18-H-WF-COMP3
Total solids (% ww)	21.8	20.5 <sup>a</sup>	19.8	20.7	20.7	20.7	20.8	20.9	20.3	20.3
Lipid (% ww)	3.5 <sup>b</sup>	1.4	1.2	1.7	1.2	1.4	1.5	1.1	1.0	1.3

All units in µg/kg ww, unless otherwise noted.

<sup>a</sup> Result represents the average of two laboratory duplicates.

<sup>b</sup> Result represents the average of laboratory triplicates.

Total DDTs represents the sum of the detected concentrations of DDD, DDE and DDT

Total PCBs represents the sum of the detected concentrations of individual Aroclors

**Table D-4. Chemistry results for composite sample of hatchery chinook salmon stomach contents collected in June from the LDW**

ANALYTE	UNIT (WW)	CONCENTRATION	QUAL	ANALYTE	UNIT (WW)	CONCENTRATION	QUAL
<b>Metals</b>				<b>Total solids</b>	%	20.8	
Arsenic	mg/kg	0.81 <sup>a</sup>		<b>Alkylated PAHs</b>			
Cadmium	mg/kg	0.095 <sup>a</sup>		1-Methylnaphthalene	µg/kg	19	
Chromium	mg/kg	0.35 <sup>a</sup>		2-Methylnaphthalene	µg/kg	26	
Copper	mg/kg	8.7 <sup>a</sup>		C2-Naphthalenes	µg/kg	71	
Lead	mg/kg	0.55 <sup>a</sup>		C3-Naphthalenes	µg/kg	140	
Silver	mg/kg	0.040 <sup>a</sup>	J	C4-Naphthalenes	µg/kg	146	
Zinc	mg/kg	23.5 <sup>a</sup>		C1-Fluorenes	µg/kg	59	J
<b>LPAHs</b>				C2-Fluorenes	µg/kg	120	J
Naphthalene	µg/kg	21		C3-Fluorenes	µg/kg	180	J
Acenaphthylene	µg/kg	2.7		C1-Dibenzothiophenes	µg/kg	110	
Acenaphthene	µg/kg	38		C2-Dibenzothiophenes	µg/kg	78	
Fluorene	µg/kg	55	J	C3-Dibenzothiophenes	µg/kg	84	
Phenanthrene	µg/kg	380	J	C1-Phenanthrenes/ Anthracenes	µg/kg	160	J
Anthracene	µg/kg	21		C2-Phenanthrenes/ Anthracenes	µg/kg	140	J
<b>Total LPAHs<sup>b</sup></b>	<b>µg/kg</b>	<b>520</b>		C3-Phenanthrenes/ Anthracenes	µg/kg	110	J
<b>HPAHs</b>				C4-Phenanthrenes/ Anthracenes	µg/kg	58	J
Fluoranthene	µg/kg	350	J	C1-Fluoranthenes/ Pyrenes	µg/kg	91	
Pyrene	µg/kg	240	J	C1-Chrysenes	µg/kg	28	J
Benzo(a)anthracene	µg/kg	32	J	C2-Chrysenes	µg/kg	18	J
Chrysene	µg/kg	62	J	C3-Chrysenes	µg/kg	4.0	UJ
Benzo(b)fluoranthene	µg/kg	22	J	C4-Chrysenes	µg/kg	4.0	UJ
Benzo(k)fluoranthene	µg/kg	28	J	<b>Total alkylated PAHs<sup>e</sup></b>	<b>µg/kg</b>	<b>1,640</b>	
Benzo(a)pyrene	µg/kg	10		<b>Other PAHs</b>			
Indeno(1,2,3-cd)pyrene	µg/kg	8.4		Benzo(e)pyrene	µg/kg	19	
Dibenzo(a,h)anthracene	µg/kg	0.90	U	Dibenzothiophene	µg/kg	26	
Benzo(g,h,i)perylene	µg/kg	6.5		Perylene	µg/kg	2.7	
				Biphenyl	µg/kg	12	
<b>Total HPAHs<sup>c</sup></b>	<b>µg/kg</b>	<b>760</b>		Dibenzofuran	µg/kg	40	
<b>Total nonalkylated PAHs<sup>d</sup></b>	<b>µg/kg</b>	<b>1,280</b>		<b>Total other PAHs</b>	<b>µg/kg</b>	<b>100</b>	

J - Estimated value

U - The compound was analyzed for, but was not detected at or above the stated detection limit

ww - wet weight

<sup>a</sup> The results are the average of two laboratory duplicates

<sup>b</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene



- <sup>c</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthenes, benzo(k)fluoranthenes, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene
- <sup>d</sup> Total PAHs is the sum of total LPAHs and total HPAHs
- <sup>e</sup> Total alkylated PAHs is the sum of detected concentrations for 1-methylnaphthalene, 2-methylnaphthalene, C2-naphthalenes, C3-naphthalenes, C4-naphthalenes, C1-fluorenes, C2-fluorenes, C3-fluorenes, C1-dibenzothiophenes, C2-dibenzothiophenes, C3-dibenzothiophenes, C1-phenanthrenes/anthracenes, C2-phenanthrenes/anthracenes, C3-phenanthrenes/anthracenes, C4-phenanthrenes/anthracenes, C1-fluoranthenes/pyrenes, C1-chrysenes, C2-chrysenes, C3-chrysenes, and C4-chrysenes.

**Table D-5. Composite sample weights, numbers of fish per composite sample, and weights and lengths of individual fish within each composite sample**

SAMPLE ID	COMPOSITE WEIGHT (G)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (G)	FORK LENGTH (MM)
<i>May</i>				
LDW-LWa-W-WF-Comp1a	23.7	9	2.3	68
			2.4	69
			2.2	67
			3.0	74
			2.7	73
			2.9	73
			3.3	76
			3.4	78
			1.5	59
LDW-LWa-W-WF-Comp2a	23.0	9	3.4	78
			2.6	71
			2.5	71
			2.7	73
			1.8	63
			3.1	76
			2.5	71
			2.5	72
			1.9	65
LDW-LWa-W-WF-Comp3a	22.7	9	5.0	90
			3.5	80
			3.2	77
			1.9	65
			1.6	62
			1.8	63
			1.5	60
			2.3	68
			1.9	64
LDW-MWa-W-WF-Comp4	28.7	9	5.2	89
			4.1	81
			3.0	73
			2.7	72
			1.3	60
			3.0	78
			2.6	72
			3.3	79
			3.5	76

SAMPLE ID	COMPOSITE WEIGHT (G)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (G)	FORK LENGTH (MM)
LDW-MWa-W-WF-Comp5	26.1	9	4.7	82
			1.9	63
			1.9	65
			2.4	71
			2.1	69
			1.8	62
			3.1	78
			5.1	91
			3.1	79
LDW-MWa-W-WF-Comp6	27.3	9	2.5	71
			1.9	64
			2.1	66
			2.1	66
			2.0	67
			1.6	60
			4.3	84
			8.2	100
			2.6	73
LDW-GR-W-WF-Comp1	18.4	9	2.7	76
			2.1	70
			2.4	70
			1.8	65
			2.4	69
			2.7	74
			1.2	57
			1.4	59
			1.7	62
LDW-GR-W-WF-Comp2	18.9	9	3.2	80
			2.6	74
			2.5	73
			1.6	62
			3.1	78
			1.5	59
			1.4	59
			2.2	69
			0.8	58

SAMPLE ID	COMPOSITE WEIGHT (g)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (g)	FORK LENGTH (mm)
LDW-GR-W-WF-Comp3	19.6	9	2.3	72
			2.6	73
			2.8	74
			2.5	71
			1.4	58
			2.0	68
			2.1	69
			1.8	66
			2.1	68
LDW-SC-H-WF-Comp1	37.6	12	3.1	77
			2.9	74
			4.5	88
			4.0	85
			3.5	81
			3.3	79
			2.2	71
			3.2	78
			3.9	83
			2.3	72
			2.3	69
			2.4	72
<b>June</b>				
LDW-LWa-W-WF-Comp1b	69.0	9	11.3	104
			6.2	84
			5.5	83
			6.4	85
			8.0	92
			7.9	93
			6.5	86
			11.1	102
			6.1	84
LDW-LWa-W-WF-Comp2b	64.8	9	7.9	91
			6.7	85
			9.5	97
			8.2	92
			9.1	96
			5.8	82
			5.1	79
			7.3	88
			5.2	79

SAMPLE ID	COMPOSITE WEIGHT (g)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (g)	FORK LENGTH (mm)
LDW-LWa-W-WF-Comp3b	66.6	10	5.5	81
			6.4	85
			6.7	85
			6.4	85
			5.9	82
			7.0	88
			8.0	90
			9.0	94
			6.6	87
			5.1	78
LDW-MWb-W-WF-Comp1	69.8	9	7.2	90
			8.8	94
			6.9	86
			7.1	86
			6.6	84
			8.1	93
			7.3	89
			9.9	97
			7.9	90
LDW-MWb-W-WF-Comp2	63.1	9	8.0	90
			6.5	85
			6.0	82
			4.3	75
			9.8	98
			8.3	91
			6.1	85
			6.1	82
			8.0	92
LDW-MWb-W-WF-Comp3	65.6	9	6.9	87
			3.9	68
			10.8	100
			7.8	88
			8.2	90
			8.0	89
			6.8	87
			8.1	91
			5.1	79

SAMPLE ID	COMPOSITE WEIGHT (G)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (G)	FORK LENGTH (MM)
LDW-RM18-W-WF-Comp1	45.9	7	5.1	79
			5.9	84
			6.4	87
			6.8	87
			8.2	93
			6.7	87
			6.8	88
LDW-RM18-W-WF-Comp2	50.8	8	6.4	86
			4.0	74
			4.3	74
			9.5	96
			6.7	87
			8.1	93
			5.9	84
			5.9	83
LDW-RM18-W-WF-Comp3	51.2	7	8.6	95
			4.9	78
			9.8	95
			6.4	84
			7.4	88
			7.1	84
			7.0	84
LDW-LWa-H-WF-Comp1	71.1	9	9.8	97
			9.4	96
			8.5	94
			4.5	74
			10.4	98
			7.4	92
			9.5	97
			6.5	85
			5.1	78
LDW-LWa-H-WF-Comp2	69.9	9	8.8	95
			5.9	83
			5.2	81
			5.0	80
			7.0	85
			9.4	90
			8.5	93
			8.8	94
			11.3	103
LDW-LWa-H-WF-Comp3	73.6	10	5.7	82
			11.8	101
			6.2	84
			10.0	97
			6.2	86

SAMPLE ID	COMPOSITE WEIGHT (G)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (G)	FORK LENGTH (MM)
			6.2	85
			8.0	91
			7.4	89
			5.7	78
			6.4	85
LDW-MW-H-WF-Comp1	51.3	8	6.0	82
			7.1	88
			3.5	70
			7.0	85
			7.3	88
			6.8	86
			8.5	89
			5.1	77
LDW-MW-H-WF-Comp2	51.8	8	4.2	75
			7.9	90
			6.1	82
			5.5	81
			7.8	90
			6.2	84
			5.6	80
			8.5	91
LDW-MW-H-WF-Comp3	52.2	8	6.8	87
			5.8	83
			7.9	89
			6.6	85
			5.1	82
			9.3	95
			4.9	78
			5.8	80
LDW-RM18-H-WF-Comp1	53.5	8	6.7	90
			5.9	85
			7.2	88
			5.9	84
			6.6	88
			9.4	98
			6.3	84
			5.5	81

SAMPLE ID	COMPOSITE WEIGHT (g)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (g)	FORK LENGTH (mm)
LDW-RM18-H-WF-Comp2	51.7	7	8.1	92
			7.2	89
			8.3	92
			6.4	86
			7.1	89
			7.1	88
			7.5	92
LDW-RM18-H-WF-Comp3	51.6	6	6.9	89
			6.9	87
			7.8	91
			10.1	99
			6.7	87
			7.2	91
			6.0	84
LDW-LW-H-SC-Comp1	570.3 <sup>a</sup>	74	5.5	79
			4.6	77
			9.5	95
			7.1	84
			5.8	80
			4.5	73
			6.1	83
			5.7	80
			7.5	87
			5.3	76
			7.0	85
			5.2	78
			8.8	94
			7.2	86
			12.8	106
			11.0	103
			5.4	80
			5.8	80
			5.6	81
			11.0	100
			7.0	90
			7.2	87
			5.4	77
			6.3	82
			7.5	90
			5.9	81
			6.1	82
6.7	87			
7.5	85			
7.7	88			
5.5	80			



SAMPLE ID	COMPOSITE WEIGHT (G)	# OF FISH IN COMPOSITE SAMPLE	WEIGHT OF INDIVIDUAL FISH (G)	FORK LENGTH (MM)
			6.2	84
			10.1	98
			8.7	97
			5.7	79
			8.6	93
			11.7	98
			7.8	91
			8.5	96
			8.4	91
			6.7	84
			5.5	79
			6.4	85
			8.3	89
			5.1	78
			18.5	116
			7.9	85
			12.3	108
			7.8	90
			8.0	87
			8.2	90
			8.6	93
			7.0	84
			9.3	93
			6.7	84
			8.0	85
			8.9	90
			7.5	83
			9.8	97
			8.8	87
			7.0	87
			8.5	90
			10.2	96
			7.3	86
			7.3	86
			6.4	80
			8.9	87
			7.5	87
			7.9	86
			8.9	88
			6.5	83
			8.8	94
			7.0	84
			8.9	94

<sup>a</sup> This number represents the sum of whole-body weights for all fish from which stomach contents were collected to form the composite sample. The actual weight of the stomach content sample was 15.48 g.

