

Appendix A
Supporting Data
2004 SBOO Stations
Microbiology

This page intentionally left blank

Appendix A.1

Bacteriological samples with total coliform densities ≥ 1000 CFU/100 mL and fecal to total coliform ratio (F:T) ≥ 0.1 collected from SBOO offshore stations during 2004. Total coliform (Total), fecal coliform (Fecal), and enterococcus bacteriological densities are expressed as CFU/100 mL. Depth in meters

	Site	Date	Sample depth	Total	Fecal	Enterococcus	Ratio (F:T)
<i>Inshore</i>							
	I39	Mar	2	1700	240	24	0.14
	I39		18	1800	200	16	0.11
	I18	Apr	18	1200	240	10	0.20
	I25		9	16000	4800	260	0.30
	I25		6	16000	3400	200	0.21
	I18	Sep	12	16000	8600	820	0.54
	I32	Dec	6	16000	3000	2000	0.19
	I32		9	16000	1800	1200	0.11
	I32		2	16000	1600	1000	0.10
<i>North</i>							
	I30	Apr	18	2400	480	14	0.20
	I22	Jun	18	16000	2200	240	0.14
	I30	Sep	27	1400	400	150	0.29
<i>South</i>							
	I03	Apr	18	9200	3600	360	0.39
	I09		27	4200	740	2	0.18
<i>Outfall</i>							
	I12	Jan	2	8200	2800	740	0.34
	I16		27	16000	7200	560	0.45
	I16		18	16000	5800	800	0.36
	I12	Mar	2	16000	12000	4000	0.75
	I16		2	16000	12000	3600	0.75
	I16		18	16000	12000	2400	0.75
	I16		27	16000	2800	240	0.18
	I12	Apr	27	16000	12000	3600	0.75
	I16		27	1300	180	14	0.14
	I16	May	18	12000	4200	380	0.35
	I14	Jun	18	5400	1200	220	0.22
	I16		18	2200	660	68	0.30
	I12	Jul	18	16000	12000	13000	0.75
	I16		18	16000	16000	2400	1.00
	I12	Aug	27	16000	6200	1000	0.39
	I16	Sep	18	16000	2600	1100	0.16
	I12	Nov	18	16000	4600	560	0.29

Appendix A.2

Bacteriological samples with total coliform densities ≥ 1000 CFU/100 mL and fecal to total coliform ratio (F:T) < 0.1 collected from SBOO offshore stations during 2004. Total coliform (Total), fecal coliform (Fecal), and enterococcus bacteriological densities are expressed as CFU/100 mL. Depth in meters.

	Site	Date	Sample depth	Total	Fecal	Enterococcus	Ratio (F:T)
<i>Inshore</i>							
	I19	Jan	11	1200	2	2	0.00
	I24		6	1800	2	2	0.00
	I19	Feb	6	2000	26	6	0.01
	I19	Mar	6	16000	520	280	0.03
	I19		2	16000	420	360	0.03
	I19		11	16000	320	340	0.02
	I24		11	1100	28	18	0.03
	I24		6	1100	14	6	0.01
	I26		9	1000	4	14	0.00
	I39		12	5000	380	18	0.08
	I40		9	16000	320	28	0.02
	I40		2	4000	18	4	0.00
	I40		6	9800	32	2	0.00
	I05		6	3600	220	100	0.06
	I05		11	16000	220	180	0.01
	I05		2	1800	12	18	0.01
	I11		6	16000	140	78	0.01
	I11		2	8200	48	34	0.01
	I19	Apr	6	16000	340	18	0.02
	I19		2	1200	24	2	0.02
	I24		2	16000	480	34	0.03
	I24		6	16000	440	26	0.03
	I24		11	4400	74	20	0.02
	I25		2	4800	100	10	0.02
	I40		2	16000	1200	46	0.08
	I40		9	1100	32	16	0.03
	I40		6	10000	200	20	0.02
	I18	Sep	18	11000	660	60	0.06
	I18	Nov	2	6600	120	46	0.02
	I19		11	1800	140	400	0.08
	I19		2	6600	340	160	0.05
	I19		6	3400	140	460	0.04
	I24		11	1800	160	580	0.09
	I26		9	1600	100	360	0.06
	I32		9	1000	66	380	0.07
	I40		6	16000	880	320	0.06
	I40		9	2400	100	220	0.04
	I40		2	16000	600	320	0.04
	I36	Dec	11	4200	64	36	0.02
	I38		11	1000	26	16	0.03
<i>North</i>							
	I22	Dec	2	1600	38	6	0.02
<i>South</i>							
	I09	Feb	27	4000	140	6	0.04
	I03	Aug	18	3000	260	22	0.09
<i>Outfall</i>							
	I12	Mar	18	1200	110	8	0.09
	I14		18	5200	220	12	0.04
	I16	Oct	2	3400	300	560	0.09
	I14	Dec	2	16000	76	6	0.00
	I14		27	1000	2	6	0.00
	I16		18	16000	52	12	0.00

Appendix B
Supporting Data
2004 SBOO Stations
Sediment Characteristics

This page intentionally left blank

Appendix B.1

Sediment chemistry constituents analyzed for South Bay Ocean Outfall sampling during 2004.

Cholorinated Pesticides

Aldrin	BHC, Delta isomer	Endrin Aldehyde	Mirex	p,p-DDE
Alpha (cis) Chlordane	BHC, Gamma isomer	Gamma (trans) Chlordane	o,p-DDD	p,p-DDT
Alpha Endosulfan	Cis_Nonachlor	Heptachlor	o,p-DDE	Trans Nonachlor
Beta Enddosulfan	Dieldrin	Heptachlor epoxide	o,p-DDT	
BHC, Alpha isomer	Endosulfan sulfate	Hexachlorobenzene	Oxychlordane	
BHC, Beta isomer	Endrin	Methoxychlor	p,p-DDD	

Polycyclic Aromatic Hydrocarbons

1-methylnaphthalene	Acenaphthene	Benzo[G,H,I]perylene	Fluorene
1-methylphenanthrene	Acenaphthylene	Benzo[K]fluoranthene	Indeno(1,2,3-CD)pyrene
2,3,5-trimethylnaphthalene	Anthracene	Biphenyl	Naphthalene
2,6-dimethylnaphthalene	Benzo[A]anthracene	Chrysene	Perylene
2-methylnaphthalene	Benzo[A]pyrene	Dibenzo(A,H)anthracene	Phenanthrene
3,4-benzo(B)fluoranthene	Benzo[e]pyrene	Fluoranthene	Pyrene

Metals

Aluminum (Al)	Cadmium (Cd)	Manganese (Mn)	Silver (Ag)
Antimony (Sb)	Chromium (Cr)	Mercury (Hg)	Thallium (Tl)
Arsenic (As)	Copper (Cu)	Nickel (Ni)	Tin (Sn)
Barium (Ba)	Iron (Fe)	Selenium (Se)	Zinc (Zn)
Beryllium (Be)	Lead (Pb)		

PCB Congeners

PCB 18	PCB 81	PCB 126	PCB 169
PCB 28	PCB 87	PCB 128	PCB 170
PCB 37	PCB 99	PCB 138	PCB 177
PCB 44	PCB 101	PCB 149	PCB 180
PCB 49	PCB 105	PCB 151	PCB 183
PCB 52	PCB 110	PCB 153/168	PCB 187
PCB 66	PCB 114	PCB 156	PCB 189
PCB 70	PCB 118	PCB 157	PCB 194
PCB 74	PCB 119	PCB 158	PCB 201
PCB 77	PCB 123	PCB 167	PCB 206

Appendix B.2

SBOO sediment statistics January 2004.

Station	Mean Phi	Std Dev. Phi	Median Phi	Mean mm	Skewness	Kurtosis	Coarse %	Sand %	Silt %	Clay %
19-m stations										
I35	3.7	1.2	3.5	0.077	0.3	1.2	0.0	65.0	33.5	1.5
I34	0.3	1.0	0.5	0.795	-0.1	1.3	26.0	73.9	0.0	0.0
I31	3.1	0.7	3.1	0.119	0.1	1.2	0.0	92.6	7.2	0.1
I23	3.1	0.8	3.0	0.115	0.1	6.8	0.9	89.7	9.2	0.2
I18	3.1	0.9	3.1	0.120	-0.0	1.5	0.3	89.8	9.5	0.1
I10	3.0	1.0	3.0	0.124	-0.1	1.5	0.7	89.7	9.3	0.1
I4	1.1	0.9	1.0	0.465	0.2	0.9	7.0	92.8	0.2	0.0
28-m stations										
I33	2.9	1.0	2.8	0.132	0.2	1.8	0.3	90.1	9.2	0.4
I30	3.2	0.9	3.3	0.106	0.0	1.5	0.3	85.6	13.6	0.5
I27	3.2	1.0	3.2	0.109	-0.1	1.7	0.4	86.1	13.0	0.5
I22	3.1	1.2	3.1	0.119	0.1	1.8	0.2	85.7	12.8	0.5
I14	3.2	0.9	3.2	0.110	-0.1	1.5	0.3	86.7	12.6	0.3
I15	3.0	1.2	3.0	0.128	-0.0	1.6	0.2	84.1	15.2	0.5
I16	2.8	0.9	2.8	0.142	0.1	1.4	0.0	92.8	6.8	0.1
I12	2.3	1.1	2.4	0.202	-0.1	1.1	1.9	92.5	5.5	0.0
I9	3.2	1.0	3.3	0.107	-0.0	1.6	0.3	84.8	14.4	0.5
I6	1.4	0.9	1.4	0.366	0.0	0.9	5.3	93.6	1.0	0.0
I2	1.5	0.8	1.5	0.364	-0.1	0.9	4.9	95.1	0.0	0.0
I3	0.5	0.6	0.4	0.697	0.4	1.2	16.1	83.9	0.0	0.0
38-m stations										
I29	1.9	3.3	0.6	0.266	0.8	2.4	23.4	57.3	8.0	6.3
I21	0.8	0.7	0.8	0.572	0.1	1.1	9.5	90.5	0.0	0.0
I13	1.2	0.8	1.1	0.446	0.1	0.9	6.5	93.3	0.2	0.0
I8	1.5	0.9	1.5	0.353	-0.0	0.9	4.9	93.4	1.6	0.0
55-m stations										
I28	2.7	2.5	2.9	0.150	-0.0	0.8	10.0	62.7	25.4	1.9
I20	1.5	0.9	1.6	0.342	-0.1	0.9	5.2	94.1	0.7	0.0
I7	0.8	0.8	0.7	0.568	0.2	1.1	11.5	88.1	0.3	0.0
I1	2.8	1.0	2.7	0.149	0.2	1.9	0.3	91.3	8.0	0.4

Appendix B.2

SBOO sediment statistics July 2004.

Station	Mean Phi	Std Dev. Phi	Median Phi	Mean mm	Skewness	Kurtosis	Coarse %	Sand %	Silt %	Clay %
19-m stations										
I35	3.7	1.2	3.5	0.080	0.2	1.2	0.0	66.3	32.6	1.1
I34	1.6	2.3	1.6	0.335	0.4	3.4	5.5	88.1	0.2	1.2
I31	3.1	0.8	3.1	0.119	0.1	1.4	0.0	91.1	8.7	0.2
I23	3.1	0.9	3.1	0.117	0.1	1.5	0.0	89.0	10.6	0.2
I18	3.2	0.9	3.2	0.110	0.1	1.4	0.0	84.7	14.6	0.3
I10	3.1	0.8	3.1	0.118	0.1	1.3	0.0	90.5	9.2	0.1
I4	1.0	0.8	0.9	0.490	0.2	1.0	7.2	91.6	1.1	0.0
28-m stations										
I33	2.9	1.1	2.8	0.130	0.3	1.9	0.4	88.5	10.2	0.6
I30	3.3	0.8	3.3	0.102	0.2	1.5	0.0	85.2	14.1	0.4
I27	3.2	0.9	3.2	0.110	0.0	1.4	0.0	87.7	12.0	0.4
I22	2.4	1.0	2.5	0.183	0.1	1.3	0.0	92.8	7.1	0.0
I14	3.2	0.8	3.1	0.105	0.4	1.9	0.0	85.7	13.8	0.5
I15	2.8	1.4	2.8	0.143	0.2	1.6	0.0	85.7	11.7	0.4
I16	2.3	0.9	2.4	0.201	-0.1	1.2	0.3	94.7	4.8	0.0
I12	1.5	1.0	1.6	0.345	-0.0	0.9	4.8	94.0	1.2	0.0
I9	3.3	1.0	3.3	0.103	-0.0	1.7	0.3	83.7	15.4	0.5
I6	1.6	1.8	1.1	0.342	0.5	1.0	8.3	79.3	11.9	0.4
I2	1.6	0.8	1.6	0.326	-0.0	0.9	4.4	95.1	0.5	0.0
I3	1.4	0.9	1.5	0.367	-0.0	1.0	4.9	93.0	0.0	0.0
38-m stations										
I29	3.5	1.1	3.5	0.087	0.2	1.5	0.0	72.7	26.3	1.1
I21	1.1	0.8	1.0	0.481	0.1	0.7	6.9	91.1	2.0	0.0
I13	1.0	1.3	0.9	0.486	0.5	1.9	8.3	85.7	2.7	0.0
I8	1.0	0.8	0.9	0.499	0.2	1.0	8.4	90.4	1.2	0.0
55-m stations										
I28	2.3	1.7	2.3	0.208	-0.1	0.7	11.4	61.9	26.6	0.0
I20	0.8	2.3	0.6	0.568	0.6	5.2	18.7	70.0	1.1	5.1
I7	0.7	0.6	0.6	0.637	0.2	1.1	13.6	86.3	0.0	0.0
I1	2.8	1.1	2.8	0.149	0.0	3.1	0.9	91.3	7.6	0.2

Appendix B.2

Mean concentrations of total PAH and pesticides found at each SBOO station during 2004.

Station	Total PAH ppt	Total DDT ppt	p,p-DDE ppt
19-m stations			
I35	139	nd	nd
I34	88	nd	nd
I31	111	nd	nd
I23	71	nd	nd
I18	136	nd	nd
I10	208	nd	nd
I4	116	nd	nd
28-m stations			
I33	341	nd	nd
I30	176	nd	nd
I27	522	nd	nd
I22	178	nd	nd
I14	139	nd	nd
I15	138	240	240
I16	119	nd	nd
I12	143	nd	nd
I9	169	nd	nd
I6	132	nd	nd
I2	115	nd	nd
I3	163	nd	nd
38-m stations			
I29	116	825	825
I21	108	nd	nd
I13	112	nd	nd
I8	155	nd	nd
55-m stations			
I28	120	350	350
I20	152	nd	nd
I7	136	nd	nd
I1	174	nd	nd

Appendix C

Supporting Data

2004 SBOO Stations

Demersal Fishes and Megabenthic Invertebrates

This page intentionally left blank

Appendix C.1

Summary of demersal fish species captured during 2004 at SBOO stations. Data are number of fish collected (N) and minimum, maximum and mean length (cm SL).

Taxon/Species	Common Name	N	LENGTH		
			Min	Max	Mean
RAJIFORMES					
Rhinobatidae					
<i>Platyrrhinoidis triseriata</i>	thornback	1	54	54	54
<i>Rhinobatos productus</i>	shovelnose guitarfish	1	52	52	52
Rajidae					
<i>Raja inornata</i>	California skate	6	33	55	43
CLUPEIFORMES					
Engraulidae					
<i>Engraulis mordax</i>	northern anchovy	4	9	10	10
AULOPIIFORMES					
Synodontidae					
<i>Synodus lucioceps</i>	California lizardfish	184	7	26	13
OPHIDIIFORMES					
Ophidiidae					
<i>Chilara taylori</i>	spotted cusk-eel	1	6	6	6
BATRACHOIDIFORMES					
Batrachoididae					
<i>Porichthys myriaster</i>	specklefin midshipman	1	29	29	29
<i>Porichthys notatus</i>	plainfin midshipman	25	3	15	9
GASTEROSTEIFORMES					
Syngnathidae					
<i>Syngnathus californiensis</i>	kelp pipefish	1	14	14	14
SCORPAENIFORMES					
Sebastidae					
<i>Sebastes dallii</i>	calico rockfish	1	7	7	7
Scorpaenidae					
<i>Scorpaena guttata</i>	California scorpionfish	20	13	24	20
Hexagrammidae					
<i>Zaniolepis latipinnis</i>	longspine combfish	17	13	15	14
Cottidae					
<i>Chitonotus pugetensis</i>	roughback sculpin	258	4	12	7
<i>Icelinus quadriseriatus</i>	yellowchin sculpin	141	3	8	6
Agonidae					
<i>Odontopyxis trispinosa</i>	pygmy poacher	6	5	8	6
PERCIFORMES					
Carangidae					
<i>Trachurus symmetricus</i>	Pacific jack mackerel	1	18	18	18

Appendix C.1 continued

Taxon/Species	Common Name	N	LENGTH		
			Min	Max	Mean
Sciaenidae					
<i>Genyonemus lineatus</i>	white croaker	4	15	21	18
Embiotocidae					
<i>Cymatogaster aggregata</i>	shiner perch	4	9	10	9
PLEURONECTIFORMES					
Paralichthyidae					
<i>Citharichthys sordidus</i>	Pacific sanddab	11	11	20	14
<i>Citharichthys stigmaeus</i>	speckled sanddab	5019	3	13	8
<i>Citharichthys xanthostigma</i>	longfin sanddab	38	11	18	15
<i>Hippoglossina stomata</i>	bigmouth sole	3	16	18	17
<i>Paralichthys californicus</i>	California halibut	13	26	79	36
<i>Xystreurus liolepis</i>	fantail sole	5	5	33	16
Pleuronectidae					
<i>Hypsopsetta guttulata</i>	diamond turbot	2	21	23	22
<i>Pleuronectes vetulus</i>	English sole	33	8	25	15
<i>Pleuronichthys decurrens</i>	curlfin sole	2	12	14	13
<i>Pleuronichthys ritteri</i>	spotted turbot	21	12	21	16
<i>Pleuronichthys verticalis</i>	hornyhead turbot	172	3	23	11
Cynoglossidae					
<i>Symphurus atricauda</i>	California tonguefish	15	7	16	11

Taxonomic arrangement and scientific names are of Eschmeyer (1998) and update of this on California academy of Sciences website (as of 27 May, 2003).

Appendix C.2

Summary of megabenthic invertebrate taxa captured during 2003 at SBOO stations. Data are number of individuals collected (N).

TAXON/SPECIES	N
PLATYHEMINTHES	
TURBELLARIA	
POLYCLADIA	2
MOLLUSCA	
GASTROPODA	
VETIGASTROPODA	
Turbinidae	
<i>Megastrea undosa</i>	2
Calliostomatidae	
<i>Calliostoma canaliculatum</i>	1
NEOTAENIOGLOSSA	
Naticidae	
<i>Euspira lewisii</i>	3
Bursidae	
<i>Crossata californica</i>	10
NEOGASTROPODA	
Muricidae	
<i>Pteropurpura festiva</i>	1
Buccinidae	
<i>Kelletia kelletii</i>	22
Turridae	
<i>Crassispira semiinflata</i>	3
CEPHALASPIDEA	
Philinidae	
<i>Philine auriformis</i>	212
NUDIBRANCHIA	
Onchidorididae	
<i>Acanthodoris brunnea</i>	2
<i>Acanthodoris rhodoceras</i>	1
Dendronotidae	
<i>Dendronotus diversicolor</i>	1
<i>Dendronotus frondosus</i>	3
<i>Dendronotus iris</i>	1
Flabellinidae	
<i>Flabellina iodinea</i>	4
<i>Flabellina pricei</i>	1
Facelinidae	
<i>Hermisenda crassicornis</i>	1

Appendix C.2 continued

Taxon/ Species	N
BIVALVIA	
MYTILOIDA	
Mytilidae	
<i>Modiolus neglectus</i>	1
OSTREOIDA	
PECTINIDAE	2
CEPHALOPODA	
OCTOPODA	
Octopodidae	
<i>Octopus rubescens</i>	4
<i>Octopus sp</i>	1
ANNELIDA	
POLYCHATEA	
PHYLLODOCIDA	
Aphroditidae	
<i>Aphrodita refulgida</i>	1
ARTHROPODA	
MALACOSTRACA	
STOMATOPODA	
Hemisquillidae	
<i>Hemisquilla ensigera californiensis</i>	9
ISOPODA	
Cymothoidae	
<i>Ethusa vulgaris</i>	10
<i>Ethusa sp</i>	2
DECAPODA	
Sicyoniidae	
<i>Sicyonia ingentis</i>	5
Pandalidae	
<i>Pandalus platyceros</i>	1
Hippolytidae	
<i>Heptacarpus palpator</i>	20
<i>Heptacarpus stimpsoni</i>	17
<i>Spirontocaris prionota</i>	3
Crangonidae	
<i>Crangon alaskensis</i>	6
<i>Crangon alba</i>	4
<i>Crangon nigromaculata</i>	86
Diogenidae	
<i>Paguristes bakeri</i>	1
Paguridae	
<i>Pagurus spilocarpus</i>	9
<i>Pagurus sp</i>	1
Porcellanidae	
<i>Pachycheles pubescens</i>	3
Calappidae	
<i>Platymera gaudichaudii</i>	2
Leucosiidae	
<i>Randallia ornata</i>	4

Appendix C.2 continued

Taxon/ Species	N
Majidae	
<i>Erileptus spinosus</i>	1
<i>Loxorhynchus grandis</i>	6
<i>Loxorhynchus sp</i>	3
<i>Podochela hemphillii</i>	5
<i>Pugettia producta</i>	1
<i>Pyromaia tuberculata</i>	45
Parthenopidae	
<i>Heterocrypta occidentalis</i>	19
Cancridae	
<i>Cancer antennarius</i>	1
<i>Cancer anthonyi</i>	3
<i>Cancer gracilis</i>	43
<i>Cancer jordani</i>	1
<i>Cancer sp</i>	3
Portunidae	
<i>Portunus xantusii</i>	5
Xanthidae	
<i>Lophopanopeus bellus</i>	1
<i>Paraxanthias taylori</i>	1
Grapsidae	
ECHINODERMATA	
ASTEROIDEA	
PAXILLOSIDA	
Astropectinidae	
<i>Astropecten verrilli</i>	665
VALVATIDA	
Asterinidae	
<i>Asterina miniata</i>	2
FORCIPULATIDA	
Asteriidae	
<i>Pisaster brevispinus</i>	25
<i>Pycnopodia helianthoides</i>	1
OPHIUROIDEA	
OPHIURIDA	
Ophiotricidae	
<i>Ophiothrix spiculata</i>	37
ECHINOIDEA	
TEMNOPLEUROIDA	
Toxopneustidae	
<i>Lytechinus pictus</i>	158
ECHINOIDA	
Strongylocentrotidae	
<i>Strongylocentrotus purpuratus</i>	1
CLYPEASTEROIDA	
Dendrasteridae	
<i>Dendraster terminalis</i>	130

Taxonomic arrangement from SCAMIT listing 4th edition 2001.

This page intentionally left blank

Appendix D

Supporting Data

2004 SBOO Stations

Bioaccumulation of Contaminants in Fish Tissue

This page intentionally left blank

Appendix D. 1

Lengths (cm) and weights (g) of fishes used in composite samples for April and October 2004.

Station	Rep	Species	N	min lnth	max lnth	avg lnth	min wt	max wt	avg wt
April 2004									
RF3	1	Vermilion rockfish	3	27	28	28	607	700	639
RF3	2	Brown rockfish	3	23	27	25	397	514	437
RF3	3	Vermilion rockfish	3	23	25	24	348	430	396
RF4	1	California scorpionfish	3	23	27	25	453	650	536
RF4	2	California scorpionfish	3	27	28	27	583	750	642
RF4	3	California scorpionfish	3	22	26	24	395	583	470
SD15	1	(no sample)							
SD15	2	(no sample)							
SD15	3	(no sample)							
SD16	1	Longfin sanddab	8	15	20	16	58	149	89
SD16	2	California scorpionfish	3	21	26	24	351	597	485
SD16	3	(no sample)							
SD17	1	Longfin sanddab	7	16	19	17	80	157	97
SD17	2	Pacific sanddab	10	13	16	15	35	68	49
SD17	3	California scorpionfish	3	22	24	23	425	572	491
SD18	1	Longfin sanddab	8	14	18	16	50	119	85
SD18	2	Longfin sanddab	6	15	20	17	57	166	103
SD18	3	Hornyhead turbot	5	17	22	19	138	293	217
SD19	1	Hornyhead turbot	6	14	19	16	66	177	118
SD19	2	(no sample)							
SD19	3	(no sample)							
SD20	1	Longfin sanddab	6	14	17	16	55	124	93
SD20	2	Hornyhead turbot	6	14	20	17	67	259	138
SD20	3	Longfin sanddab	6	13	15	14	42	60	51
SD21	1	Hornyhead turbot	4	17	22	20	143	323	254
SD21	2	California scorpionfish	3	23	25	24	55	560	318
SD21	3	Longfin sanddab	8	14	18	16	54	123	78
October 2004									
RF3	1	Brown rockfish	3	24	25	25	450	500	483
RF3	2	Brown rockfish	3	22	27	24	288	581	406
RF3	3	Vermilion rockfish	3	27	31	30	700	1000	867
RF4	1	California scorpionfish	3	23	24	23	450	550	500
RF4	2	California scorpionfish	3	22	26	24	500	600	533
RF4	3	California scorpionfish	3	16	29	22	200	900	500
SD15	1	Hornyhead turbot	6	15	18	16	83	169	122
SD15	2	California scorpionfish	3	18	21	19	205	289	247
SD15	3	California scorpionfish	3	14	22	18	87	425	228
SD16	1	Hornyhead turbot	6	15	21	17	90	253	124
SD16	2	Hornyhead turbot	5	16	20	18	109	182	151
SD16	3	California scorpionfish	3	19	25	22	213	473	327
SD17	1	Longfin sanddab	5	13	17	16	41	106	82
SD17	2	Hornyhead turbot	7	15	18	16	94	160	124
SD17	3	Hornyhead turbot	6	15	21	17	85	264	126
SD18	1	Longfin sanddab	3	15	21	19	64	222	161
SD18	2	Hornyhead turbot	5	17	21	18	126	258	158
SD18	3	Hornyhead turbot	5	16	20	18	133	217	156
SD19	1	Hornyhead turbot	4	17	22	19	120	285	190
SD19	2	Hornyhead turbot	8	14	17	15	70	130	94
SD19	3	(no sample)							
SD20	1	Hornyhead turbot	3	16	22	19	115	313	222
SD20	2	California scorpionfish	3	16	20	18	122	269	198
SD20	3	California scorpionfish	3	13	21	18	79	305	207
SD21	1	Hornyhead turbot	6	15	20	16	88	242	125
SD21	2	California scorpionfish	3	17	21	20	141	250	210
SD21	3	Hornyhead turbot	3	20	22	21	253	366	317

This page intentionally left blank

Appendix D.2

Analyzed constituents for fish tissue samples for April and October 2004.

Chlorinated Pesticides

Aldrin	BHC, Gamma isomer	Hexachlorobenzene	p,p-DDE
Alpha (cis) Chlordane	Cis Nonachlor	Mirex	p,p-DDMU
Gamma (trans) Chlordane	Dieldrin	o,p-DDD	p,p-DDT
Alpha Endosulfan	Endrin	o,p-DDE	Oxychlordane
BHC, Alpha isomer	Heptachlor	o,p-DDT	Trans Nonachlor
BHC, Beta isomer	Heptachlor epoxide	p,p-DDD	Toxaphene
BHC, Delta isomer			

Polycyclic Aromatic Hydrocarbons

1-methylnaphthalene	Acenaphthene	Benzo(e)pyrene	Fluorene
1-methylphenanthrene	Acenaphthylene	Benzo(G,H,I)perylene	Indeno(1,2,3-CD)pyrene
2,3,5-trimethylnaphthalene	Anthracene	Benzo(K)fluoranthene	Naphthalene
2,6-dimethylnaphthalene	Benzo(A)anthracene	Biphenyl	Perylene
2-methylnaphthalene	Dibenzo(A,H)anthracene	Chrysene	Phenanthrene
3,4-benzo(B)fluoranthene	Benzo(A)pyrene	Fluoranthene	Pyrene

Metals

Aluminum	Cadmium	Manganese	Silver
Antimony	Chromium	Mercury	Thallium
Arsenic	Copper	Nickel	Tin
Barium	Iron	Selenium	Zinc
Beryllium	Lead		

PCB Congeners

PCB 18	PCB 81	PCB 126	PCB 169
PCB 28	PCB 87	PCB 128	PCB 170
PCB 37	PCB 99	PCB 138	PCB 177
PCB 44	PCB 101	PCB 149	PCB 180
PCB 49	PCB 105	PCB 151	PCB 183
PCB 52	PCB 110	PCB 153/168	PCB 187
PCB 66	PCB 114	PCB 156	PCB 189
PCB 70	PCB 118	PCB 157	PCB 194
PCB 74	PCB 119	PCB 158	PCB 201
PCB 77	PCB 123	PCB 167	PCB 206

This page intentionally left blank

Appendix D.3

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
RF3	1	Vermilion rockfish	Muscle	Aluminum		5.38	mg/kg	0.583
RF3	1	Vermilion rockfish	Muscle	Arsenic		2.1	mg/kg	0.375
RF3	1	Vermilion rockfish	Muscle	Barium		0.015	mg/kg	0.007
RF3	1	Vermilion rockfish	Muscle	Beryllium		0.015	mg/kg	0.003
RF3	1	Vermilion rockfish	Muscle	Copper		0.4	mg/kg	0.068
RF3	1	Vermilion rockfish	Muscle	Iron		3.1	mg/kg	0.096
RF3	1	Vermilion rockfish	Muscle	Lipids		1.17	wt%	0.005
RF3	1	Vermilion rockfish	Muscle	Manganese		0.09	mg/kg	0.007
RF3	1	Vermilion rockfish	Muscle	Mercury		0.067	mg/kg	0.03
RF3	1	Vermilion rockfish	Muscle	p,p-DDE		9	ug/kg	1.33
RF3	1	Vermilion rockfish	Muscle	p,p-DDMU	E	0.4	ug/kg	
RF3	1	Vermilion rockfish	Muscle	PCB 101	E	0.2	ug/kg	
RF3	1	Vermilion rockfish	Muscle	PCB 118	E	0.3	ug/kg	
RF3	1	Vermilion rockfish	Muscle	PCB 153/168	E	0.5	ug/kg	
RF3	1	Vermilion rockfish	Muscle	PCB 187	E	0.3	ug/kg	
RF3	1	Vermilion rockfish	Muscle	PCB 99 E		0.3	ug/kg	
RF3	1	Vermilion rockfish	Muscle	Selenium		0.198	mg/kg	0.06
RF3	1	Vermilion rockfish	Muscle	Tin		0.69	mg/kg	0.24
RF3	1	Vermilion rockfish	Muscle	Total DDT		9	ug/kg	
RF3	1	Vermilion rockfish	Muscle	Total PCB		1.6	ug/kg	
RF3	1	Vermilion rockfish	Muscle	Total Solids		21.4	wt%	0.4
RF3	1	Vermilion rockfish	Muscle	Zinc		4.1	mg/kg	0.049
RF3	2	Brown rockfish	Muscle	Aluminum		6.42	mg/kg	0.583
RF3	2	Brown rockfish	Muscle	Arsenic		0.943	mg/kg	0.375
RF3	2	Brown rockfish	Muscle	Barium		0.023	mg/kg	0.007
RF3	2	Brown rockfish	Muscle	Beryllium		0.015	mg/kg	0.003
RF3	2	Brown rockfish	Muscle	Chromium		0.11	mg/kg	0.08
RF3	2	Brown rockfish	Muscle	Copper		0.321	mg/kg	0.068
RF3	2	Brown rockfish	Muscle	Iron		2.76	mg/kg	0.096
RF3	2	Brown rockfish	Muscle	Lipids		0.36	wt%	0.005
RF3	2	Brown rockfish	Muscle	Manganese		0.067	mg/kg	0.007
RF3	2	Brown rockfish	Muscle	Mercury		0.209	mg/kg	0.03
RF3	2	Brown rockfish	Muscle	p,p-DDE		2.5	ug/kg	1.33
RF3	2	Brown rockfish	Muscle	PCB 118	E	0.2	ug/kg	
RF3	2	Brown rockfish	Muscle	PCB 153/168	E	0.3	ug/kg	
RF3	2	Brown rockfish	Muscle	Selenium		0.157	mg/kg	0.06
RF3	2	Brown rockfish	Muscle	Tin		0.756	mg/kg	0.24
RF3	2	Brown rockfish	Muscle	Total DDT		2.5	ug/kg	
RF3	2	Brown rockfish	Muscle	Total PCB		0.5	ug/kg	
RF3	2	Brown rockfish	Muscle	Total Solids		20.7	wt%	0.4
RF3	2	Brown rockfish	Muscle	Zinc		4.66	mg/kg	0.049
RF3	3	Vermilion rockfish	Muscle	Aluminum		4.75	mg/kg	0.583
RF3	3	Vermilion rockfish	Muscle	Arsenic		1.86	mg/kg	0.375
RF3	3	Vermilion rockfish	Muscle	Barium		0.02	mg/kg	0.007
RF3	3	Vermilion rockfish	Muscle	Beryllium		0.013	mg/kg	0.003
RF3	3	Vermilion rockfish	Muscle	Copper		0.143	mg/kg	0.068
RF3	3	Vermilion rockfish	Muscle	Iron		1.61	mg/kg	0.096
RF3	3	Vermilion rockfish	Muscle	Lipids		0.38	wt%	0.005
RF3	3	Vermilion rockfish	Muscle	Manganese		0.095	mg/kg	0.007
RF3	3	Vermilion rockfish	Muscle	Mercury		0.061	mg/kg	0.03
RF3	3	Vermilion rockfish	Muscle	Selenium		0.161	mg/kg	0.06
RF3	3	Vermilion rockfish	Muscle	Tin		0.715	mg/kg	0.24
RF3	3	Vermilion rockfish	Muscle	Total DDT		1	ug/kg	
RF3	3	Vermilion rockfish	Muscle	Total Solids		20.4	wt%	0.4
RF3	3	Vermilion rockfish	Muscle	Zinc		2.7	mg/kg	0.049
RF4	1	Ca. scorpionfish	Muscle	Aluminum		5.7	mg/kg	0.583

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
RF4	1	Ca. scorpionfish	Muscle	Arsenic		5.43	mg/kg	0.375
RF4	1	Ca. scorpionfish	Muscle	Barium		0.014	mg/kg	0.007
RF4	1	Ca. scorpionfish	Muscle	Beryllium		0.015	mg/kg	0.003
RF4	1	Ca. scorpionfish	Muscle	Copper		0.496	mg/kg	0.068
RF4	1	Ca. scorpionfish	Muscle	Iron		8.35	mg/kg	0.096
RF4	1	Ca. scorpionfish	Muscle	Lipids		0.68	wt%	0.005
RF4	1	Ca. scorpionfish	Muscle	Manganese		0.108	mg/kg	0.007
RF4	1	Ca. scorpionfish	Muscle	Mercury		0.217	mg/kg	0.03
RF4	1	Ca. scorpionfish	Muscle	p,p-DDE		7.3	ug/kg	1.33
RF4	1	Ca. scorpionfish	Muscle	PCB 118	E	0.2	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	PCB 138	E	0.3	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	PCB 153/168	E	0.5	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Selenium		0.265	mg/kg	0.06
RF4	1	Ca. scorpionfish	Muscle	Tin		0.774	mg/kg	0.24
RF4	1	Ca. scorpionfish	Muscle	Total DDT		7.3	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Total PCB		1	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Total Solids		24	wt%	0.4
RF4	1	Ca. scorpionfish	Muscle	Zinc		6.55	mg/kg	0.049
RF4	2	Ca. scorpionfish	Muscle	Aluminum		5.43	mg/kg	0.583
RF4	2	Ca. scorpionfish	Muscle	Arsenic		1.27	mg/kg	0.375
RF4	2	Ca. scorpionfish	Muscle	Barium		0.013	mg/kg	0.007
RF4	2	Ca. scorpionfish	Muscle	Beryllium		0.016	mg/kg	0.003
RF4	2	Ca. scorpionfish	Muscle	Copper		0.311	mg/kg	0.068
RF4	2	Ca. scorpionfish	Muscle	Iron		4.44	mg/kg	0.096
RF4	2	Ca. scorpionfish	Muscle	Lipids		0.47	wt%	0.005
RF4	2	Ca. scorpionfish	Muscle	Manganese		0.083	mg/kg	0.007
RF4	2	Ca. scorpionfish	Muscle	Mercury		0.101	mg/kg	0.03
RF4	2	Ca. scorpionfish	Muscle	p,p-DDD	E	0.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	p,p-DDE		47	ug/kg	1.33
RF4	2	Ca. scorpionfish	Muscle	p,-p-DDMU	E	0.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 101	E	0.3	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 105	E	0.3	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 118	E	0.8	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 138	E	0.8	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 153/168	E	0.9	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 180	E	0.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 187	E	0.3	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 206	E	0.2	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 99E		0.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Selenium		0.154	mg/kg	0.06
RF4	2	Ca. scorpionfish	Muscle	Tin		0.8	mg/kg	0.24
RF4	2	Ca. scorpionfish	Muscle	Total DDT		47.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Total PCB		4.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Total Solids		24.5	wt%	0.4
RF4	2	Ca. scorpionfish	Muscle	Zinc		5.48	mg/kg	0.049
RF4	3	Ca. scorpionfish	Muscle	Aluminum		4.93	mg/kg	0.583
RF4	3	Ca. scorpionfish	Muscle	Arsenic		1.93	mg/kg	0.375
RF4	3	Ca. scorpionfish	Muscle	Barium		0.014	mg/kg	0.007
RF4	3	Ca. scorpionfish	Muscle	Beryllium		0.014	mg/kg	0.003
RF4	3	Ca. scorpionfish	Muscle	Chromium		0.087	mg/kg	0.08
RF4	3	Ca. scorpionfish	Muscle	Copper		0.112	mg/kg	0.068
RF4	3	Ca. scorpionfish	Muscle	Iron		1.6	mg/kg	0.096
RF4	3	Ca. scorpionfish	Muscle	Lipids		0.41	wt%	0.005
RF4	3	Ca. scorpionfish	Muscle	Manganese		0.065	mg/kg	0.007
RF4	3	Ca. scorpionfish	Muscle	Mercury		0.147	mg/kg	0.03
RF4	3	Ca. scorpionfish	Muscle	p,p-DDE		4.7	ug/kg	1.33

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
RF4	3	Ca. scorpionfish	Muscle	PCB 101	E	0.3	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	PCB 118	E	0.2	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	PCB 153/168	E	0.2	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Selenium		0.166	mg/kg	0.06
RF4	3	Ca. scorpionfish	Muscle	Tin		0.711	mg/kg	0.24
RF4	3	Ca. scorpionfish	Muscle	Total DDT		4.7	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Total PCB		0.7	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Total Solids		20.9	wt%	0.4
RF4	3	Ca. scorpionfish	Muscle	Zinc		2.66	mg/kg	0.049
SD16	1	Longfin sanddab	Liver	Aluminum		10.2	mg/kg	0.583
SD16	1	Longfin sanddab	Liver	Arsenic		0.399	mg/kg	0.375
SD16	1	Longfin sanddab	Liver	Barium		0.022	mg/kg	0.007
SD16	1	Longfin sanddab	Liver	Beryllium		0.022	mg/kg	0.003
SD16	1	Longfin sanddab	Liver	Cadmium		1.9	mg/kg	0.029
SD16	1	Longfin sanddab	Liver	Copper		14.7	mg/kg	0.068
SD16	1	Longfin sanddab	Liver	Iron		203	mg/kg	0.096
SD16	1	Longfin sanddab	Liver	Lipids		9.22	wt%	0.005
SD16	1	Longfin sanddab	Liver	Manganese		0.161	mg/kg	0.007
SD16	1	Longfin sanddab	Liver	Mercury		0.108	mg/kg	0.03
SD16	1	Longfin sanddab	Liver	o,p-DDE	E	6.1	ug/kg	
SD16	1	Longfin sanddab	Liver	o,p-DDT	E	1.3	ug/kg	
SD16	1	Longfin sanddab	Liver	p,p-DDD	E	7	ug/kg	
SD16	1	Longfin sanddab	Liver	p,p-DDE		390	ug/kg	13.3
SD16	1	Longfin sanddab	Liver	p,-p-DDMU	E	11	ug/kg	
SD16	1	Longfin sanddab	Liver	p,p-DDT	E	8.3	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 101	E	5.3	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 105	E	3.4	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 110	E	3.1	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 118	E	13	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 128	E	4.3	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 138		26	ug/kg	13.3
SD16	1	Longfin sanddab	Liver	PCB 149	E	3.5	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 151	E	3.2	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 153/168		43	ug/kg	13.3
SD16	1	Longfin sanddab	Liver	PCB 156	E	2.6	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 167	E	1.5	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 170	E	6.7	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 180		20	ug/kg	13.3
SD16	1	Longfin sanddab	Liver	PCB 183	E	5.4	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 187		21	ug/kg	13.3
SD16	1	Longfin sanddab	Liver	PCB 194	E	4.7	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 201	E	4.3	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 206	E	3	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 66 E		1.4	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 74 E		1.2	ug/kg	
SD16	1	Longfin sanddab	Liver	PCB 99 E		8.5	ug/kg	
SD16	1	Longfin sanddab	Liver	Selenium		0.978	mg/kg	0.06
SD16	1	Longfin sanddab	Liver	Silver		0.216	mg/kg	0.057
SD16	1	Longfin sanddab	Liver	Tin		0.915	mg/kg	0.24
SD16	1	Longfin sanddab	Liver	Total DDT		412.7	ug/kg	
SD16	1	Longfin sanddab	Liver	Total PCB		185.1	ug/kg	
SD16	1	Longfin sanddab	Liver	Total Solids		31.7	wt%	0.4
SD16	1	Longfin sanddab	Liver	Zinc		53.6	mg/kg	0.049
SD16	2	Ca. scorpionfish	Liver	Aluminum		10.9	mg/kg	0.583
SD16	2	Ca. scorpionfish	Liver	Arsenic		15.8	mg/kg	0.375
SD16	2	Ca. scorpionfish	Liver	Barium		0.035	mg/kg	0.007

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD16	2	Ca. scorpionfish	Liver	Beryllium		0.028	mg/kg	0.003
SD16	2	Ca. scorpionfish	Liver	Cadmium		5.88	mg/kg	0.029
SD16	2	Ca. scorpionfish	Liver	Chromium		0.153	mg/kg	0.08
SD16	2	Ca. scorpionfish	Liver	Copper		10	mg/kg	0.068
SD16	2	Ca. scorpionfish	Liver	Iron		236	mg/kg	0.096
SD16	2	Ca. scorpionfish	Liver	Lipids		24.9	wt%	0.005
SD16	2	Ca. scorpionfish	Liver	Manganese		1.93	mg/kg	0.007
SD16	2	Ca. scorpionfish	Liver	Mercury		0.111	mg/kg	0.03
SD16	2	Ca. scorpionfish	Liver	p,p-DDD		19	ug/kg	13.3
SD16	2	Ca. scorpionfish	Liver	p,p-DDE		600	ug/kg	13.3
SD16	2	Ca. scorpionfish	Liver	p,-p-DDMU	E	12	ug/kg	
SD16	2	Ca. scorpionfish	Liver	p,p-DDT	E	5.7	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 101	E	8.8	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 105	E	6.8	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 110	E	5	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 118		23	ug/kg	13.3
SD16	2	Ca. scorpionfish	Liver	PCB 123	E	2.8	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 128	E	6.5	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 138		38	ug/kg	13.3
SD16	2	Ca. scorpionfish	Liver	PCB 149	E	5.8	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 151	E	4.1	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 153/168		58	ug/kg	13.3
SD16	2	Ca. scorpionfish	Liver	PCB 156	E	4.4	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 158	E	1.9	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 167	E	1.7	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 170	E	12	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 177	E	5.2	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 180		30	ug/kg	13.3
SD16	2	Ca. scorpionfish	Liver	PCB 183	E	6.6	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 187		25	ug/kg	13.3
SD16	2	Ca. scorpionfish	Liver	PCB 194	E	5.3	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 201	E	5.7	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 206	E	3.1	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 52 E		2	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 66 E		3.1	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 74 E		1.4	ug/kg	
SD16	2	Ca. scorpionfish	Liver	PCB 99 E		10	ug/kg	
SD16	2	Ca. scorpionfish	Liver	Selenium		0.84	mg/kg	0.06
SD16	2	Ca. scorpionfish	Liver	Silver		0.338	mg/kg	0.057
SD16	2	Ca. scorpionfish	Liver	Tin		1.29	mg/kg	0.24
SD16	2	Ca. scorpionfish	Liver	Total DDT		624.7	ug/kg	
SD16	2	Ca. scorpionfish	Liver	Total PCB		276.2	ug/kg	
SD16	2	Ca. scorpionfish	Liver	Total Solids		39.7	wt%	0.4
SD16	2	Ca. scorpionfish	Liver	Trans Nonachlor E		11	ug/kg	
SD16	2	Ca. scorpionfish	Liver	Zinc		33.8	mg/kg	0.049
SD17	1	Longfin sanddab	Liver	Aluminum		10.7	mg/kg	0.583
SD17	1	Longfin sanddab	Liver	Arsenic		7.81	mg/kg	0.375
SD17	1	Longfin sanddab	Liver	Barium		0.034	mg/kg	0.007
SD17	1	Longfin sanddab	Liver	Beryllium		0.026	mg/kg	0.003
SD17	1	Longfin sanddab	Liver	Cadmium		2.53	mg/kg	0.029
SD17	1	Longfin sanddab	Liver	Chromium		0.233	mg/kg	0.08
SD17	1	Longfin sanddab	Liver	Copper		7.35	mg/kg	0.068
SD17	1	Longfin sanddab	Liver	Hexachlorobenzene E		4.4	ug/kg	
SD17	1	Longfin sanddab	Liver	Iron		105	mg/kg	0.096
SD17	1	Longfin sanddab	Liver	Lipids		14.4	wt%	0.005
SD17	1	Longfin sanddab	Liver	Manganese		1.7	mg/kg	0.007

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD17	1	Longfin sanddab	Liver	Mercury		0.107	mg/kg	0.03
SD17	1	Longfin sanddab	Liver	o,p-DDE	E	9.8	ug/kg	
SD17	1	Longfin sanddab	Liver	p,p-DDD		14	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	p,p-DDE		710	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	p,-p-DDMU		20	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	p,p-DDT	E	12	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 101	E	4.8	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 105	E	5.2	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 110	E	3.4	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 118		21	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 123	E	1.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 128	E	6.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 138		39	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 149	E	4.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 151	E	4.1	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 153/168		57	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 156	E	3.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 170	E	10	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 180		29	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 183	E	8.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 187		30	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 194	E	7.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 201	E	5.6	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 206	E	4.5	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 66 E		2.2	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 74 E		1.6	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 99 E		12	ug/kg	
SD17	1	Longfin sanddab	Liver	Selenium		0.99	mg/kg	0.06
SD17	1	Longfin sanddab	Liver	Silver		0.204	mg/kg	0.057
SD17	1	Longfin sanddab	Liver	Tin		1.09	mg/kg	0.24
SD17	1	Longfin sanddab	Liver	Total DDT		745.8	ug/kg	
SD17	1	Longfin sanddab	Liver	Total PCB		263.8	ug/kg	
SD17	1	Longfin sanddab	Liver	Total Solids		37	wt%	0.4
SD17	1	Longfin sanddab	Liver	Zinc		28.5	mg/kg	0.049
SD17	2	Pacific sanddab	Liver	Aluminum		9.53	mg/kg	0.583
SD17	2	Pacific sanddab	Liver	Arsenic		0.725	mg/kg	0.375
SD17	2	Pacific sanddab	Liver	Barium		0.024	mg/kg	0.007
SD17	2	Pacific sanddab	Liver	Beryllium		0.023	mg/kg	0.003
SD17	2	Pacific sanddab	Liver	Cadmium		1.13	mg/kg	0.029
SD17	2	Pacific sanddab	Liver	Copper		11.9	mg/kg	0.068
SD17	2	Pacific sanddab	Liver	Iron		95.6	mg/kg	0.096
SD17	2	Pacific sanddab	Liver	Lipids		11.4	wt%	0.005
SD17	2	Pacific sanddab	Liver	Manganese		0.363	mg/kg	0.007
SD17	2	Pacific sanddab	Liver	Mercury		0.078	mg/kg	0.03
SD17	2	Pacific sanddab	Liver	o,p-DDE	E	6.7	ug/kg	
SD17	2	Pacific sanddab	Liver	p,p-DDD	E	12	ug/kg	
SD17	2	Pacific sanddab	Liver	p,p-DDE		500	ug/kg	13.3
SD17	2	Pacific sanddab	Liver	p,-p-DDMU		19	ug/kg	13.3
SD17	2	Pacific sanddab	Liver	p,p-DDT	E	13	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 101	E	5.3	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 105	E	5.2	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 110	E	4.4	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 118		18	ug/kg	13.3
SD17	2	Pacific sanddab	Liver	PCB 128	E	6.1	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 138		33	ug/kg	13.3
SD17	2	Pacific sanddab	Liver	PCB 149	E	7.1	ug/kg	

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD17	2	Pacific sanddab	Liver	PCB 151	E	2.7	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 153/168		45	ug/kg	13.3
SD17	2	Pacific sanddab	Liver	PCB 156	E	3.4	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 158	E	2.1	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 170	E	9.4	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 177	E	3.2	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 180		26	ug/kg	13.3
SD17	2	Pacific sanddab	Liver	PCB 183	E	6.5	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 187		22	ug/kg	13.3
SD17	2	Pacific sanddab	Liver	PCB 194	E	5.2	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 201	E	4.1	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 206	E	2.9	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 66 E		1.6	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 70 E		1.2	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 74 E		1.3	ug/kg	
SD17	2	Pacific sanddab	Liver	PCB 99 E		9.9	ug/kg	
SD17	2	Pacific sanddab	Liver	Selenium		0.823	mg/kg	0.06
SD17	2	Pacific sanddab	Liver	Silver		0.326	mg/kg	0.057
SD17	2	Pacific sanddab	Liver	Tin		0.958	mg/kg	0.24
SD17	2	Pacific sanddab	Liver	Total DDT		531.7	ug/kg	
SD17	2	Pacific sanddab	Liver	Total PCB		225.6	ug/kg	
SD17	2	Pacific sanddab	Liver	Total Solids		32.3	wt%	0.4
SD17	2	Pacific sanddab	Liver	Trans Nonachlor E		6.4	ug/kg	
SD17	2	Pacific sanddab	Liver	Zinc		94.2	mg/kg	0.049
SD17	3	Ca. scorpionfish	Liver	Aluminum		16.1	mg/kg	0.583
SD17	3	Ca. scorpionfish	Liver	Arsenic		7.82	mg/kg	0.375
SD17	3	Ca. scorpionfish	Liver	Barium		0.061	mg/kg	0.007
SD17	3	Ca. scorpionfish	Liver	Beryllium		0.034	mg/kg	0.003
SD17	3	Ca. scorpionfish	Liver	Cadmium		4.57	mg/kg	0.029
SD17	3	Ca. scorpionfish	Liver	Chromium		0.685	mg/kg	0.08
SD17	3	Ca. scorpionfish	Liver	Copper		9.01	mg/kg	0.068
SD17	3	Ca. scorpionfish	Liver	Iron		221	mg/kg	0.096
SD17	3	Ca. scorpionfish	Liver	Lead		0.394	mg/kg	0.3
SD17	3	Ca. scorpionfish	Liver	Lipids		17.3	wt%	0.005
SD17	3	Ca. scorpionfish	Liver	Manganese		2.09	mg/kg	0.007
SD17	3	Ca. scorpionfish	Liver	Mercury		0.28	mg/kg	0.03
SD17	3	Ca. scorpionfish	Liver	Nickel		0.102	mg/kg	0.094
SD17	3	Ca. scorpionfish	Liver	o,p-DDE	E	5	ug/kg	
SD17	3	Ca. scorpionfish	Liver	p,p-DDD		27	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	p,p-DDE		1500	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	p,-p-DDMU		19	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	p,p-DDT	E	6.65	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 101	E	12.5	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 105	E	8.15	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 110	E	9.9	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 118		32.5	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	PCB 123	E	3.15	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 128	E	7.15	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 138		34.5	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	PCB 149	E	7.85	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 151	<	13.3	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	PCB 153/168		50.5	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	PCB 156	E	4.05	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 167	<	13.3	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	PCB 170	E	6.7	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 180		20.5	ug/kg	13.3

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD17	3	Ca. scorpionfish	Liver	PCB 183	E	5.55	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 187		20	ug/kg	13.3
SD17	3	Ca. scorpionfish	Liver	PCB 194	E	4.6	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 201	E	4.9	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 206	E	3.65	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 52 E		4.1	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 66 E		5.35	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 74 E		3.25	ug/kg	
SD17	3	Ca. scorpionfish	Liver	PCB 99 E		13	ug/kg	
SD17	3	Ca. scorpionfish	Liver	Selenium		0.756	mg/kg	0.06
SD17	3	Ca. scorpionfish	Liver	Silver		0.247	mg/kg	0.057
SD17	3	Ca. scorpionfish	Liver	Tin		1.57	mg/kg	0.24
SD17	3	Ca. scorpionfish	Liver	Total DDT		1538.7	ug/kg	
SD17	3	Ca. scorpionfish	Liver	Total PCB		288.5	ug/kg	
SD17	3	Ca. scorpionfish	Liver	Total Solids		52.1	wt%	0.4
SD17	3	Ca. scorpionfish	Liver	Zinc		42.9	mg/kg	0.049
SD18	1	Longfin sanddab	Liver	Aluminum		9.99	mg/kg	0.583
SD18	1	Longfin sanddab	Liver	Arsenic		19.8	mg/kg	0.375
SD18	1	Longfin sanddab	Liver	Barium		0.086	mg/kg	0.007
SD18	1	Longfin sanddab	Liver	Beryllium		0.026	mg/kg	0.003
SD18	1	Longfin sanddab	Liver	Cadmium		5.12	mg/kg	0.029
SD18	1	Longfin sanddab	Liver	Chromium		0.115	mg/kg	0.08
SD18	1	Longfin sanddab	Liver	Copper		11.4	mg/kg	0.068
SD18	1	Longfin sanddab	Liver	Iron		235	mg/kg	0.096
SD18	1	Longfin sanddab	Liver	Lipids		24.2	wt%	0.005
SD18	1	Longfin sanddab	Liver	Manganese		1.22	mg/kg	0.007
SD18	1	Longfin sanddab	Liver	Mercury		0.184	mg/kg	0.03
SD18	1	Longfin sanddab	Liver	Mirex E		3.4	ug/kg	
SD18	1	Longfin sanddab	Liver	Nickel		0.095	mg/kg	0.094
SD18	1	Longfin sanddab	Liver	o,p-DDD	E	1.9	ug/kg	
SD18	1	Longfin sanddab	Liver	o,p-DDE	E	11	ug/kg	
SD18	1	Longfin sanddab	Liver	o,p-DDT	E	3.9	ug/kg	
SD18	1	Longfin sanddab	Liver	p,p-DDD		25	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	p,p-DDE		1100	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	p,-p-DDMU		26	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	p,p-DDT		29	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 101	E	6.8	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 105	E	13	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 110	E	5.2	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 118		49	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 123	E	4.4	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 128		17	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 138		100	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 149	E	7.3	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 151	E	8.2	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 153/168		150	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 156	E	9.2	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 157	E	1.7	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 158	E	5.5	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 167	E	5.5	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 170		28	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 177	E	9.6	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 180		76	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 183		22	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 187		72	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 194		18	ug/kg	13.3

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD18	1	Longfin sanddab	Liver	PCB 201	E	13	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 206	E	9.7	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 66 E		3.7	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 74 E		2.7	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 99		27	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	Selenium		1.95	mg/kg	0.06
SD18	1	Longfin sanddab	Liver	Silver		0.382	mg/kg	0.057
SD18	1	Longfin sanddab	Liver	Tin		1.14	mg/kg	0.24
SD18	1	Longfin sanddab	Liver	Total DDT		1170.8	ug/kg	
SD18	1	Longfin sanddab	Liver	Total PCB		664.5	ug/kg	
SD18	1	Longfin sanddab	Liver	Total Solids		34.7	wt%	0.4
SD18	1	Longfin sanddab	Liver	Trans Nonachlor E		11	ug/kg	
SD18	1	Longfin sanddab	Liver	Zinc		29.7	mg/kg	0.049
SD18	2	Longfin sanddab	Liver	Aluminum		8.86	mg/kg	0.583
SD18	2	Longfin sanddab	Liver	Arsenic		11.4	mg/kg	0.375
SD18	2	Longfin sanddab	Liver	Barium		0.022	mg/kg	0.007
SD18	2	Longfin sanddab	Liver	Beryllium		0.022	mg/kg	0.003
SD18	2	Longfin sanddab	Liver	Cadmium		5.19	mg/kg	0.029
SD18	2	Longfin sanddab	Liver	Chromium		0.104	mg/kg	0.08
SD18	2	Longfin sanddab	Liver	Copper		8.94	mg/kg	0.068
SD18	2	Longfin sanddab	Liver	Iron		202	mg/kg	0.096
SD18	2	Longfin sanddab	Liver	Lead		0.307	mg/kg	0.3
SD18	2	Longfin sanddab	Liver	Lipids		16.8	wt%	0.005
SD18	2	Longfin sanddab	Liver	Manganese		1.66	mg/kg	0.007
SD18	2	Longfin sanddab	Liver	Mercury		0.159	mg/kg	0.03
SD18	2	Longfin sanddab	Liver	o,p-DDD	E	2.3	ug/kg	
SD18	2	Longfin sanddab	Liver	o,p-DDE		14	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	o,p-DDT	E	3.1	ug/kg	
SD18	2	Longfin sanddab	Liver	p,p-DDD		25	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	p,p-DDE		910	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	p,-p-DDMU		30	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	p,p-DDT		19	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	PCB 101	E	6.9	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 105	E	6.9	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 110	E	5.5	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 118		26	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	PCB 123	E	2.7	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 128	E	8.9	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 138		48	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	PCB 149	E	7	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 151	E	6.3	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 153/168		77	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	PCB 156	E	4.3	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 158	E	2.4	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 167	E	2.9	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 170		16	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	PCB 177	E	6.9	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 180		41	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	PCB 183	E	12	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 187		43	ug/kg	13.3
SD18	2	Longfin sanddab	Liver	PCB 194	E	12	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 201	E	8.1	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 206	E	6.7	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 66 E		2.7	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 74 E		1.9	ug/kg	
SD18	2	Longfin sanddab	Liver	PCB 99		14	ug/kg	13.3

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD18	2	Longfin sanddab	Liver	Selenium		1.62	mg/kg	0.06
SD18	2	Longfin sanddab	Liver	Silver		0.281	mg/kg	0.057
SD18	2	Longfin sanddab	Liver	Tin		0.992	mg/kg	0.24
SD18	2	Longfin sanddab	Liver	Total DDT		973.4	ug/kg	
SD18	2	Longfin sanddab	Liver	Total PCB		369.1	ug/kg	
SD18	2	Longfin sanddab	Liver	Total Solids		30.6	wt%	0.4
SD18	2	Longfin sanddab	Liver	Zinc		28.6	mg/kg	0.049
SD18	3	Hornyhead turbot	Liver	Aluminum		6.64	mg/kg	0.583
SD18	3	Hornyhead turbot	Liver	Arsenic		3.59	mg/kg	0.375
SD18	3	Hornyhead turbot	Liver	Barium		0.014	mg/kg	0.007
SD18	3	Hornyhead turbot	Liver	Beryllium		0.017	mg/kg	0.003
SD18	3	Hornyhead turbot	Liver	Cadmium		6.81	mg/kg	0.029
SD18	3	Hornyhead turbot	Liver	Chromium		0.111	mg/kg	0.08
SD18	3	Hornyhead turbot	Liver	Copper		4.67	mg/kg	0.068
SD18	3	Hornyhead turbot	Liver	Iron		43.5	mg/kg	0.096
SD18	3	Hornyhead turbot	Liver	Lipids		8.64	wt%	0.005
SD18	3	Hornyhead turbot	Liver	Manganese		1.12	mg/kg	0.007
SD18	3	Hornyhead turbot	Liver	Mercury		0.141	mg/kg	0.03
SD18	3	Hornyhead turbot	Liver	p,p-DDD	E	8.3	ug/kg	
SD18	3	Hornyhead turbot	Liver	p,p-DDE		150	ug/kg	13.3
SD18	3	Hornyhead turbot	Liver	p,-p-DDMU	E	11	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 101	E	1.9	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 118	E	2.6	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 138	E	6.1	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 153/168	E	6.5	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 180	E	4.4	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 187	E	3.5	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 99E		1.6	ug/kg	
SD18	3	Hornyhead turbot	Liver	Selenium		0.495	mg/kg	0.06
SD18	3	Hornyhead turbot	Liver	Silver		0.191	mg/kg	0.057
SD18	3	Hornyhead turbot	Liver	Tin		0.839	mg/kg	0.24
SD18	3	Hornyhead turbot	Liver	Total DDT		158.3	ug/kg	
SD18	3	Hornyhead turbot	Liver	Total PCB		26.6	ug/kg	
SD18	3	Hornyhead turbot	Liver	Total Solids		30.4	wt%	0.4
SD18	3	Hornyhead turbot	Liver	Zinc		39.6	mg/kg	0.049
SD19	1	Hornyhead turbot	Liver	Aluminum		7.76	mg/kg	0.583
SD19	1	Hornyhead turbot	Liver	Arsenic		2.47	mg/kg	0.375
SD19	1	Hornyhead turbot	Liver	Barium		0.021	mg/kg	0.007
SD19	1	Hornyhead turbot	Liver	Beryllium		0.02	mg/kg	0.003
SD19	1	Hornyhead turbot	Liver	Cadmium		4.63	mg/kg	0.029
SD19	1	Hornyhead turbot	Liver	Chromium		0.1	mg/kg	0.08
SD19	1	Hornyhead turbot	Liver	Copper		5.94	mg/kg	0.068
SD19	1	Hornyhead turbot	Liver	Iron		38.5	mg/kg	0.096
SD19	1	Hornyhead turbot	Liver	Lipids		6.49	wt%	0.005
SD19	1	Hornyhead turbot	Liver	Manganese		1.41	mg/kg	0.007
SD19	1	Hornyhead turbot	Liver	Mercury		0.123	mg/kg	0.03
SD19	1	Hornyhead turbot	Liver	p,p-DDD	E	6.1	ug/kg	
SD19	1	Hornyhead turbot	Liver	p,p-DDE		150	ug/kg	13.3
SD19	1	Hornyhead turbot	Liver	p,-p-DDMU	E	6.8	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 118	E	6.9	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 138	E	11	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 153/168		14	ug/kg	13.3
SD19	1	Hornyhead turbot	Liver	PCB 180	E	8.2	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 183	E	3	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 187	E	7.4	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 99E		3.2	ug/kg	

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD19	1	Hornyhead turbot	Liver	Selenium		0.613	mg/kg	0.06
SD19	1	Hornyhead turbot	Liver	Silver		0.148	mg/kg	0.057
SD19	1	Hornyhead turbot	Liver	Tin		0.922	mg/kg	0.24
SD19	1	Hornyhead turbot	Liver	Total DDT		156.1	ug/kg	
SD19	1	Hornyhead turbot	Liver	Total PCB		53.7	ug/kg	
SD19	1	Hornyhead turbot	Liver	Total Solids		27.8	wt%	0.4
SD19	1	Hornyhead turbot	Liver	Zinc		37.1	mg/kg	0.049
SD20	1	Longfin sanddab	Liver	Aluminum		8.42	mg/kg	0.583
SD20	1	Longfin sanddab	Liver	Arsenic		9.89	mg/kg	0.375
SD20	1	Longfin sanddab	Liver	Barium		0.023	mg/kg	0.007
SD20	1	Longfin sanddab	Liver	Beryllium		0.022	mg/kg	0.003
SD20	1	Longfin sanddab	Liver	Cadmium		4.93	mg/kg	0.029
SD20	1	Longfin sanddab	Liver	Chromium		0.109	mg/kg	0.08
SD20	1	Longfin sanddab	Liver	Copper		8.96	mg/kg	0.068
SD20	1	Longfin sanddab	Liver	Iron		212	mg/kg	0.096
SD20	1	Longfin sanddab	Liver	Lipids		11	wt%	0.005
SD20	1	Longfin sanddab	Liver	Manganese		1.35	mg/kg	0.007
SD20	1	Longfin sanddab	Liver	Mercury		0.212	mg/kg	0.03
SD20	1	Longfin sanddab	Liver	o,p-DDE	E	5.6	ug/kg	
SD20	1	Longfin sanddab	Liver	o,p-DDT	E	3	ug/kg	
SD20	1	Longfin sanddab	Liver	p,p-DDD	E	10	ug/kg	
SD20	1	Longfin sanddab	Liver	p,p-DDE		490	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	p,-p-DDMU		16	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	p,p-DDT		35	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	PCB 101		15	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	PCB 105	E	11	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 110	E	10	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 118		46	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	PCB 123	E	3.7	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 128	E	8.3	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 138		60	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	PCB 149	E	6.6	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 151	E	6.1	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 153/168		84	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	PCB 156	E	6.4	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 158	E	3.9	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 167	E	3	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 170	E	12	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 177	E	4.1	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 180		34	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	PCB 183	E	8.9	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 187		31	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	PCB 194	E	8.4	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 201	E	6.6	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 206	E	5.2	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 52 E		9.6	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 66 E		4.7	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 70 E		2.4	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 74 E		2.7	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 87 E		2.9	ug/kg	
SD20	1	Longfin sanddab	Liver	PCB 99		26	ug/kg	13.3
SD20	1	Longfin sanddab	Liver	Selenium		1.82	mg/kg	0.06
SD20	1	Longfin sanddab	Liver	Silver		0.277	mg/kg	0.057
SD20	1	Longfin sanddab	Liver	Tin		0.939	mg/kg	0.24
SD20	1	Longfin sanddab	Liver	Total DDT		543.6	ug/kg	
SD20	1	Longfin sanddab	Liver	Total PCB		422.5	ug/kg	

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD20	1	Longfin sanddab	Liver	Total Solids		33.6	wt%	0.4
SD20	1	Longfin sanddab	Liver	Zinc		28.6	mg/kg	0.049
SD20	2	Hornyhead turbot	Liver	Aluminum		7.18	mg/kg	0.583
SD20	2	Hornyhead turbot	Liver	Arsenic		2.71	mg/kg	0.375
SD20	2	Hornyhead turbot	Liver	Barium		0.032	mg/kg	0.007
SD20	2	Hornyhead turbot	Liver	Beryllium		0.018	mg/kg	0.003
SD20	2	Hornyhead turbot	Liver	Cadmium		9.71	mg/kg	0.029
SD20	2	Hornyhead turbot	Liver	Chromium		0.103	mg/kg	0.08
SD20	2	Hornyhead turbot	Liver	Copper		5.66	mg/kg	0.068
SD20	2	Hornyhead turbot	Liver	Iron		62	mg/kg	0.096
SD20	2	Hornyhead turbot	Liver	Lipids		4.53	wt%	0.005
SD20	2	Hornyhead turbot	Liver	Manganese		1.08	mg/kg	0.007
SD20	2	Hornyhead turbot	Liver	Mercury		0.221	mg/kg	0.03
SD20	2	Hornyhead turbot	Liver	Nickel		0.105	mg/kg	0.094
SD20	2	Hornyhead turbot	Liver	p,p-DDE		62	ug/kg	13.3
SD20	2	Hornyhead turbot	Liver	p,-p-DDMU	E	4	ug/kg	
SD20	2	Hornyhead turbot	Liver	PCB 118	E	1.8	ug/kg	
SD20	2	Hornyhead turbot	Liver	PCB 153/168	E	4.2	ug/kg	
SD20	2	Hornyhead turbot	Liver	PCB 180	E	2.1	ug/kg	
SD20	2	Hornyhead turbot	Liver	Selenium		0.902	mg/kg	0.06
SD20	2	Hornyhead turbot	Liver	Silver		0.198	mg/kg	0.057
SD20	2	Hornyhead turbot	Liver	Tin		0.885	mg/kg	0.24
SD20	2	Hornyhead turbot	Liver	Total DDT		62	ug/kg	
SD20	2	Hornyhead turbot	Liver	Total PCB		8.1	ug/kg	
SD20	2	Hornyhead turbot	Liver	Total Solids		26.1	wt%	0.4
SD20	2	Hornyhead turbot	Liver	Zinc		42.6	mg/kg	0.049
SD20	3	Longfin sanddab	Liver	Lipids		7.52	wt%	0.005
SD20	3	Longfin sanddab	Liver	p,p-DDD	E	4.5	ug/kg	
SD20	3	Longfin sanddab	Liver	p,p-DDE		240	ug/kg	13.3
SD20	3	Longfin sanddab	Liver	p,-p-DDMU	E	5.9	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 101	E	2.6	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 110	E	1.5	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 118		19	ug/kg	13.3
SD20	3	Longfin sanddab	Liver	PCB 123	E	1.2	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 128	E	4.1	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 138		29	ug/kg	13.3
SD20	3	Longfin sanddab	Liver	PCB 153/168		34	ug/kg	13.3
SD20	3	Longfin sanddab	Liver	PCB 156	E	3	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 158	E	1.5	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 167	E	1.8	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 170	E	6.7	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 180		17	ug/kg	13.3
SD20	3	Longfin sanddab	Liver	PCB 183	E	5.1	ug/kg	
SD20	3	Longfin sanddab	Liver	PCB 187		15	ug/kg	13.3
SD20	3	Longfin sanddab	Liver	PCB 99E		8.6	ug/kg	
SD20	3	Longfin sanddab	Liver	Total DDT		244.5	ug/kg	
SD20	3	Longfin sanddab	Liver	Total PCB		150.1	ug/kg	
SD21	1	Hornyhead turbot	Liver	Aluminum		8.7	mg/kg	0.583
SD21	1	Hornyhead turbot	Liver	Arsenic		2.85	mg/kg	0.375
SD21	1	Hornyhead turbot	Liver	Barium		0.065	mg/kg	0.007
SD21	1	Hornyhead turbot	Liver	Beryllium		0.02	mg/kg	0.003
SD21	1	Hornyhead turbot	Liver	Cadmium		5.87	mg/kg	0.029
SD21	1	Hornyhead turbot	Liver	Chromium		0.097	mg/kg	0.08
SD21	1	Hornyhead turbot	Liver	Copper		13.2	mg/kg	0.068
SD21	1	Hornyhead turbot	Liver	Iron		74.6	mg/kg	0.096
SD21	1	Hornyhead turbot	Liver	Lipids		9.08	wt%	0.005

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD21	1	Hornyhead turbot	Liver	Manganese		1.45	mg/kg	0.007
SD21	1	Hornyhead turbot	Liver	Mercury		0.152	mg/kg	0.03
SD21	1	Hornyhead turbot	Liver	Nickel		0.128	mg/kg	0.094
SD21	1	Hornyhead turbot	Liver	p,p-DDD	E	7.9	ug/kg	
SD21	1	Hornyhead turbot	Liver	p,p-DDE		89	ug/kg	13.3
SD21	1	Hornyhead turbot	Liver	p,-p-DDMU	E	3.9	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 101	E	3	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 118	E	3	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 138	E	7.1	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 149	E	2.7	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 153/168	E	10	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 180	E	4.6	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 183	E	1.9	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 187	E	5.9	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 99 E		2.8	ug/kg	
SD21	1	Hornyhead turbot	Liver	Selenium		0.737	mg/kg	0.06
SD21	1	Hornyhead turbot	Liver	Silver		0.369	mg/kg	0.057
SD21	1	Hornyhead turbot	Liver	Tin		0.827	mg/kg	0.24
SD21	1	Hornyhead turbot	Liver	Total DDT		96.9	ug/kg	
SD21	1	Hornyhead turbot	Liver	Total PCB		41	ug/kg	
SD21	1	Hornyhead turbot	Liver	Total Solids		27.1	wt%	0.4
SD21	1	Hornyhead turbot	Liver	Zinc		57.4	mg/kg	0.049
SD21	2	Ca. scorpionfish	Liver	Aluminum		12.4	mg/kg	0.583
SD21	2	Ca. scorpionfish	Liver	Arsenic		1.18	mg/kg	0.375
SD21	2	Ca. scorpionfish	Liver	Barium		0.035	mg/kg	0.007
SD21	2	Ca. scorpionfish	Liver	Beryllium		0.032	mg/kg	0.003
SD21	2	Ca. scorpionfish	Liver	Cadmium		1.31	mg/kg	0.029
SD21	2	Ca. scorpionfish	Liver	Copper		14.8	mg/kg	0.068
SD21	2	Ca. scorpionfish	Liver	Iron		166	mg/kg	0.096
SD21	2	Ca. scorpionfish	Liver	Lipids		20	wt%	0.005
SD21	2	Ca. scorpionfish	Liver	Manganese		0.31	mg/kg	0.007
SD21	2	Ca. scorpionfish	Liver	Mercury		0.118	mg/kg	0.03
SD21	2	Ca. scorpionfish	Liver	o,p-DDE	E	1.5	ug/kg	
SD21	2	Ca. scorpionfish	Liver	o,p-DDT	E	23	ug/kg	
SD21	2	Ca. scorpionfish	Liver	p,p-DDD		170	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	p,p-DDE		640	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	p,-p-DDMU	E	11	ug/kg	
SD21	2	Ca. scorpionfish	Liver	p,p-DDT		120	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	PCB 101		15	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	PCB 105	E	12	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 110	E	10	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 118		38	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	PCB 123	E	4.3	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 128	E	12	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 138		54	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	PCB 149	E	10	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 151	E	6.7	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 153/168		80	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	PCB 156	E	7.2	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 157	E	1.7	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 167	E	3.5	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 170		16	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	PCB 177	E	7	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 180		46	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	PCB 183	E	12	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 187		36	ug/kg	13.3

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD21	2	Ca. scorpionfish	Liver	PCB 194	E	9.1	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 201	E	8.4	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 206	E	5.1	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 52 E		4.9	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 66 E		6	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 70 E		1.5	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 74 E		2.7	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 87 E		3.6	ug/kg	
SD21	2	Ca. scorpionfish	Liver	PCB 99		22	ug/kg	13.3
SD21	2	Ca. scorpionfish	Liver	Selenium		0.87	mg/kg	0.06
SD21	2	Ca. scorpionfish	Liver	Silver		0.259	mg/kg	0.057
SD21	2	Ca. scorpionfish	Liver	Tin		1.49	mg/kg	0.24
SD21	2	Ca. scorpionfish	Liver	Total DDT		954.5	ug/kg	
SD21	2	Ca. scorpionfish	Liver	Total PCB		434.7	ug/kg	
SD21	2	Ca. scorpionfish	Liver	Total Solids		50.2	wt%	0.4
SD21	2	Ca. scorpionfish	Liver	Trans Nonachlor E		10	ug/kg	
SD21	2	Ca. scorpionfish	Liver	Zinc		66.7	mg/kg	0.049
SD21	3	Longfin sanddab	Liver	Aluminum		9	mg/kg	0.583
SD21	3	Longfin sanddab	Liver	Arsenic		6.58	mg/kg	0.375
SD21	3	Longfin sanddab	Liver	Barium		0.028	mg/kg	0.007
SD21	3	Longfin sanddab	Liver	Beryllium		0.021	mg/kg	0.003
SD21	3	Longfin sanddab	Liver	Cadmium		3.86	mg/kg	0.029
SD21	3	Longfin sanddab	Liver	Chromium		0.141	mg/kg	0.08
SD21	3	Longfin sanddab	Liver	Copper		11.5	mg/kg	0.068
SD21	3	Longfin sanddab	Liver	Iron		144	mg/kg	0.096
SD21	3	Longfin sanddab	Liver	Lead		0.542	mg/kg	0.3
SD21	3	Longfin sanddab	Liver	Lipids		8.2	wt%	0.005
SD21	3	Longfin sanddab	Liver	Manganese		1.8	mg/kg	0.007
SD21	3	Longfin sanddab	Liver	Mercury		0.13	mg/kg	0.03
SD21	3	Longfin sanddab	Liver	o,p-DDE	E	5.2	ug/kg	
SD21	3	Longfin sanddab	Liver	o,p-DDT	E	3.4	ug/kg	
SD21	3	Longfin sanddab	Liver	p,p-DDD	E	9.5	ug/kg	
SD21	3	Longfin sanddab	Liver	p,p-DDE		350	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	p,-p-DDMU	E	10	ug/kg	
SD21	3	Longfin sanddab	Liver	p,p-DDT		37	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	PCB 101	E	3.7	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 105	E	5.1	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 110	E	3.7	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 118		22	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	PCB 123	E	2.5	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 128	E	7.7	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 138		39	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	PCB 149	E	3.9	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 151	E	3.9	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 153/168		53	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	PCB 156	E	4.2	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 158	E	2	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 167	E	2.2	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 170	E	7.4	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 177	E	3	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 180		23	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	PCB 183	E	7.7	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 187		26	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	PCB 194	E	6.8	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 201	E	6	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 206	E	4.9	ug/kg	

Appendix D.3 *continued*

April 2004

Station	Rep	Species	Tissue	Parameter	Value	Units	MDL
SD21	3	Longfin sanddab	Liver	PCB 66 E	1.6	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 74 E	1.2	ug/kg	
SD21	3	Longfin sanddab	Liver	PCB 99	14	ug/kg	13.3
SD21	3	Longfin sanddab	Liver	Selenium	1.16	mg/kg	0.06
SD21	3	Longfin sanddab	Liver	Silver	0.38	mg/kg	0.057
SD21	3	Longfin sanddab	Liver	Tin	0.875	mg/kg	0.24
SD21	3	Longfin sanddab	Liver	Total DDT	405.1	ug/kg	
SD21	3	Longfin sanddab	Liver	Total PCB	254.5	ug/kg	
SD21	3	Longfin sanddab	Liver	Total Solids	30.8	wt%	0.4
SD21	3	Longfin sanddab	Liver	Zinc	31.7	mg/kg	0.049

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
RF3	1	Brown rockfish	Muscle	Arsenic		1.01	mg/kg	0.375
RF3	1	Brown rockfish	Muscle	Barium		0.021	mg/kg	0.007
RF3	1	Brown rockfish	Muscle	Chromium		0.177	mg/kg	0.08
RF3	1	Brown rockfish	Muscle	Copper		0.198	mg/kg	0.068
RF3	1	Brown rockfish	Muscle	Hexachlorobenzene	E	0.1	ug/kg	
RF3	1	Brown rockfish	Muscle	Iron		1.27	mg/kg	0.096
RF3	1	Brown rockfish	Muscle	Lipids		0.38	wt%	0.005
RF3	1	Brown rockfish	Muscle	Manganese		0.074	mg/kg	0.007
RF3	1	Brown rockfish	Muscle	Mercury		0.206	mg/kg	0.03
RF3	1	Brown rockfish	Muscle	p,p-DDD	E	0.2	ug/kg	
RF3	1	Brown rockfish	Muscle	p,p-DDE		12	ug/kg	1.33
RF3	1	Brown rockfish	Muscle	PCB 101	E	0.2	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 105	E	0.1	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 118	E	0.4	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 138	E	0.6	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 153/168	E	1	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 180	E	0.4	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 187	E	0.3	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 66	E	0.1	ug/kg	
RF3	1	Brown rockfish	Muscle	PCB 99	E	0.3	ug/kg	
RF3	1	Brown rockfish	Muscle	Selenium		0.316	mg/kg	0.06
RF3	1	Brown rockfish	Muscle	Tin		0.45	mg/kg	0.24
RF3	1	Vermilion rockfish	Muscle	Total DDT		9	ug/kg	
RF3	1	Brown rockfish	Muscle	Total DDT		12.2	ug/kg	
RF3	1	Vermilion rockfish	Muscle	Total PCB		1.6	ug/kg	
RF3	1	Brown rockfish	Muscle	Total PCB		3.4	ug/kg	
RF3	1	Brown rockfish	Muscle	Total Solids		21.4	wt%	0.4
RF3	1	Brown rockfish	Muscle	Zinc		3.71	mg/kg	0.049
RF3	2	Brown rockfish	Muscle	Arsenic		1.74	mg/kg	0.375
RF3	2	Brown rockfish	Muscle	Barium		0.017	mg/kg	0.007
RF3	2	Brown rockfish	Muscle	Chromium		0.138	mg/kg	0.08
RF3	2	Brown rockfish	Muscle	Copper		0.185	mg/kg	0.068
RF3	2	Brown rockfish	Muscle	Iron		0.89	mg/kg	0.096
RF3	2	Brown rockfish	Muscle	Lipids		0.45	wt%	0.005
RF3	2	Brown rockfish	Muscle	Manganese		0.062	mg/kg	0.007
RF3	2	Brown rockfish	Muscle	Mercury		0.168	mg/kg	0.03
RF3	2	Brown rockfish	Muscle	p,p-DDE		4.3	ug/kg	1.33
RF3	2	Brown rockfish	Muscle	PCB 118	E	0.3	ug/kg	
RF3	2	Brown rockfish	Muscle	PCB 138	E	0.4	ug/kg	
RF3	2	Brown rockfish	Muscle	PCB 153/168	E	0.6	ug/kg	
RF3	2	Brown rockfish	Muscle	Selenium		0.301	mg/kg	0.06
RF3	2	Brown rockfish	Muscle	Tin		0.321	mg/kg	0.24
RF3	2	Brown rockfish	Muscle	Total DDT		2.5	ug/kg	
RF3	2	Brown rockfish	Muscle	Total DDT		4.3	ug/kg	
RF3	2	Brown rockfish	Muscle	Total PCB		0.5	ug/kg	
RF3	2	Brown rockfish	Muscle	Total PCB		1.3	ug/kg	
RF3	2	Brown rockfish	Muscle	Total Solids		21	wt%	0.4
RF3	2	Brown rockfish	Muscle	Zinc		3.63	mg/kg	0.049
RF3	3	Vermilion rockfish	Muscle	Arsenic		2.57	mg/kg	0.375
RF3	3	Vermilion rockfish	Muscle	Barium		0.02	mg/kg	0.007
RF3	3	Vermilion rockfish	Muscle	Chromium		0.165	mg/kg	0.08
RF3	3	Vermilion rockfish	Muscle	Copper		0.288	mg/kg	0.068
RF3	3	Vermilion rockfish	Muscle	Hexachlorobenzene	E	0.1	ug/kg	
RF3	3	Vermilion rockfish	Muscle	Iron		1.45	mg/kg	0.096

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
RF3	3	Vermilion rockfish	Muscle	Lipids		0.91	wt%	0.005
RF3	3	Vermilion rockfish	Muscle	Manganese		0.095	mg/kg	0.007
RF3	3	Vermilion rockfish	Muscle	Mercury		0.058	mg/kg	0.03
RF3	3	Vermilion rockfish	Muscle	p,p-DDD	E	0.2	ug/kg	
RF3	3	Vermilion rockfish	Muscle	p,p-DDE		4.9	ug/kg	1.33
RF3	3	Vermilion rockfish	Muscle	p,-p-DDMU	E	0.2	ug/kg	
RF3	3	Vermilion rockfish	Muscle	PCB 101	E	0.2	ug/kg	
RF3	3	Vermilion rockfish	Muscle	PCB 118	E	0.2	ug/kg	
RF3	3	Vermilion rockfish	Muscle	PCB 138	E	0.4	ug/kg	
RF3	3	Vermilion rockfish	Muscle	PCB 153/168	E	0.6	ug/kg	
RF3	3	Vermilion rockfish	Muscle	PCB 99	E	0.2	ug/kg	
RF3	3	Vermilion rockfish	Muscle	Selenium		0.307	mg/kg	0.06
RF3	3	Vermilion rockfish	Muscle	Tin		0.299	mg/kg	0.24
RF3	3	Vermilion rockfish	Muscle	Total DDT		1	ug/kg	
RF3	3	Vermilion rockfish	Muscle	Total DDT		5.1	ug/kg	
RF3	3	Vermilion rockfish	Muscle	Total PCB		1.6	ug/kg	
RF3	3	Vermilion rockfish	Muscle	Total Solids		21.9	wt%	0.4
RF3	3	Vermilion rockfish	Muscle	Zinc		3.5	mg/kg	0.049
RF4	1	Ca. scorpionfish	Muscle	Aluminum		0.931	mg/kg	0.583
RF4	1	Ca. scorpionfish	Muscle	Arsenic		2.19	mg/kg	0.375
RF4	1	Ca. scorpionfish	Muscle	Barium		0.015	mg/kg	0.007
RF4	1	Ca. scorpionfish	Muscle	Chromium		0.149	mg/kg	0.08
RF4	1	Ca. scorpionfish	Muscle	Copper		0.13	mg/kg	0.068
RF4	1	Ca. scorpionfish	Muscle	Iron		1.92	mg/kg	0.096
RF4	1	Ca. scorpionfish	Muscle	Lipids		0.19	wt%	0.005
RF4	1	Ca. scorpionfish	Muscle	Manganese		0.099	mg/kg	0.007
RF4	1	Ca. scorpionfish	Muscle	Mercury		0.16	mg/kg	0.03
RF4	1	Ca. scorpionfish	Muscle	p,p-DDE		7.6	ug/kg	1.33
RF4	1	Ca. scorpionfish	Muscle	PCB 101	E	0.2	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	PCB 118	E	0.3	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	PCB 153/168	E	0.6	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	PCB 99	E	0.1	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Selenium		0.192	mg/kg	0.06
RF4	1	Ca. scorpionfish	Muscle	Tin		0.351	mg/kg	0.24
RF4	1	Ca. scorpionfish	Muscle	Total DDT		7.3	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Total DDT		7.6	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Total PCB		1	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Total PCB		1.2	ug/kg	
RF4	1	Ca. scorpionfish	Muscle	Total Solids		20.6	wt%	0.4
RF4	1	Ca. scorpionfish	Muscle	Zinc		4.24	mg/kg	0.049
RF4	2	Ca. scorpionfish	Muscle	Arsenic		2.11	mg/kg	0.375
RF4	2	Ca. scorpionfish	Muscle	Barium		0.016	mg/kg	0.007
RF4	2	Ca. scorpionfish	Muscle	Chromium		0.127	mg/kg	0.08
RF4	2	Ca. scorpionfish	Muscle	Copper		0.186	mg/kg	0.068
RF4	2	Ca. scorpionfish	Muscle	Hexachlorobenzene	E	0.1	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Iron		2.34	mg/kg	0.096
RF4	2	Ca. scorpionfish	Muscle	Lipids		0.92	wt%	0.005
RF4	2	Ca. scorpionfish	Muscle	Manganese		0.076	mg/kg	0.007
RF4	2	Ca. scorpionfish	Muscle	Mercury		0.134	mg/kg	0.03
RF4	2	Ca. scorpionfish	Muscle	p,p-DDD	E	0.2	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	p,p-DDE		11	ug/kg	1.33
RF4	2	Ca. scorpionfish	Muscle	p,-p-DDMU	E	0.2	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 101	E	0.2	ug/kg	

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
RF4	2	Ca. scorpionfish	Muscle	PCB 118	E	0.3	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 153/168	E	0.7	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 180	E	0.3	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	PCB 99	E	0.1	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Selenium		0.236	mg/kg	0.06
RF4	2	Ca. scorpionfish	Muscle	Tin		0.369	mg/kg	0.24
RF4	2	Ca. scorpionfish	Muscle	Total DDT		47.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Total DDT		11.2	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Total PCB		4.4	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Total PCB		1.6	ug/kg	
RF4	2	Ca. scorpionfish	Muscle	Total Solids		20.2	wt%	0.4
RF4	2	Ca. scorpionfish	Muscle	Zinc		3.49	mg/kg	0.049
RF4	3	Ca. scorpionfish	Muscle	Arsenic		2.04	mg/kg	0.375
RF4	3	Ca. scorpionfish	Muscle	Barium		0.014	mg/kg	0.007
RF4	3	Ca. scorpionfish	Muscle	Chromium		0.124	mg/kg	0.08
RF4	3	Ca. scorpionfish	Muscle	Copper		0.155	mg/kg	0.068
RF4	3	Ca. scorpionfish	Muscle	Iron		2.15	mg/kg	0.096
RF4	3	Ca. scorpionfish	Muscle	Lipids		0.24	wt%	0.005
RF4	3	Ca. scorpionfish	Muscle	Manganese		0.091	mg/kg	0.007
RF4	3	Ca. scorpionfish	Muscle	Mercury		0.181	mg/kg	0.03
RF4	3	Ca. scorpionfish	Muscle	p,p-DDD	E	0.2	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	p,p-DDE		9.9	ug/kg	1.33
RF4	3	Ca. scorpionfish	Muscle	PCB 153/168	E	0.5	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Selenium		0.167	mg/kg	0.06
RF4	3	Ca. scorpionfish	Muscle	Tin		0.398	mg/kg	0.24
RF4	3	Ca. scorpionfish	Muscle	Total DDT		4.7	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Total DDT		10.1	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Total PCB		0.7	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Total PCB		0.5	ug/kg	
RF4	3	Ca. scorpionfish	Muscle	Total Solids		20.9	wt%	0.4
RF4	3	Ca. scorpionfish	Muscle	Zinc		3.5	mg/kg	0.049
SD15	1	Hornyhead turbot	Liver	Aluminum		0.888	mg/kg	0.583
SD15	1	Hornyhead turbot	Liver	Arsenic		8.47	mg/kg	0.375
SD15	1	Hornyhead turbot	Liver	Barium		0.026	mg/kg	0.007
SD15	1	Hornyhead turbot	Liver	Cadmium		2.22	mg/kg	0.029
SD15	1	Hornyhead turbot	Liver	Chromium		0.188	mg/kg	0.08
SD15	1	Hornyhead turbot	Liver	Copper		5.68	mg/kg	0.068
SD15	1	Hornyhead turbot	Liver	Hexachlorobenzene	E	0.8	ug/kg	
SD15	1	Hornyhead turbot	Liver	Iron		53.5	mg/kg	0.096
SD15	1	Hornyhead turbot	Liver	Lipids		12.1	wt%	0.005
SD15	1	Hornyhead turbot	Liver	Manganese		1.38	mg/kg	0.007
SD15	1	Hornyhead turbot	Liver	Mercury		0.065	mg/kg	0.03
SD15	1	Hornyhead turbot	Liver	p,p-DDD	E	1.6	ug/kg	
SD15	1	Hornyhead turbot	Liver	p,p-DDE		80	ug/kg	13.3
SD15	1	Hornyhead turbot	Liver	p,-p-DDMU	E	3.2	ug/kg	
SD15	1	Hornyhead turbot	Liver	PCB 101	E	2	ug/kg	
SD15	1	Hornyhead turbot	Liver	PCB 118	E	2.3	ug/kg	
SD15	1	Hornyhead turbot	Liver	PCB 153/168	E	5.8	ug/kg	
SD15	1	Hornyhead turbot	Liver	PCB 187	E	2.6	ug/kg	
SD15	1	Hornyhead turbot	Liver	PCB 99	E	1.6	ug/kg	
SD15	1	Hornyhead turbot	Liver	Selenium		0.737	mg/kg	0.06
SD15	1	Hornyhead turbot	Liver	Silver		0.095	mg/kg	0.057
SD15	1	Hornyhead turbot	Liver	Tin		0.575	mg/kg	0.24
SD15	1	Hornyhead turbot	Liver	Total DDT		81.6	ug/kg	

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter	Value	Units	MDL
SD15	1	Hornyhead turbot	Liver	Total PCB	14.3	ug/kg	
SD15	1	Hornyhead turbot	Liver	Total Solids	31.6	wt%	0.4
SD15	1	Hornyhead turbot	Liver	Zinc	60.1	mg/kg	0.049
SD15	2	Ca. scorpionfish	Liver	Aluminum	3.78	mg/kg	0.583
SD15	2	Ca. scorpionfish	Liver	Arsenic	0.77	mg/kg	0.375
SD15	2	Ca. scorpionfish	Liver	Barium	0.038	mg/kg	0.007
SD15	2	Ca. scorpionfish	Liver	Cadmium	2.34	mg/kg	0.029
SD15	2	Ca. scorpionfish	Liver	Chromium	0.264	mg/kg	0.08
SD15	2	Ca. scorpionfish	Liver	Copper	15.5	mg/kg	0.068
SD15	2	Ca. scorpionfish	Liver	Hexachlorobenzene	E 1.3	ug/kg	
SD15	2	Ca. scorpionfish	Liver	Iron	146	mg/kg	0.096
SD15	2	Ca. scorpionfish	Liver	Lipids	16.4	wt%	0.005
SD15	2	Ca. scorpionfish	Liver	Manganese	0.526	mg/kg	0.007
SD15	2	Ca. scorpionfish	Liver	Mercury	0.052	mg/kg	0.03
SD15	2	Ca. scorpionfish	Liver	p,p-DDD	E 3.7	ug/kg	
SD15	2	Ca. scorpionfish	Liver	p,p-DDE	190	ug/kg	13.3
SD15	2	Ca. scorpionfish	Liver	p,-p-DDMU	E 3.3	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 101	E 4.9	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 105	E 2.4	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 118	E 7.6	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 128	E 3.1	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 138	E 10	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 153/168	17	ug/kg	13.3
SD15	2	Ca. scorpionfish	Liver	PCB 180	E 8.9	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 183	E 2.6	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 187	E 9.7	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 194	E 1.6	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 206	E 1	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 49	E 1.1	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 66	E 1.4	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 70	E 0.8	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 74	E 0.8	ug/kg	
SD15	2	Ca. scorpionfish	Liver	PCB 99	E 4.7	ug/kg	
SD15	2	Ca. scorpionfish	Liver	Selenium	1.2	mg/kg	0.06
SD15	2	Ca. scorpionfish	Liver	Silver	0.315	mg/kg	0.057
SD15	2	Ca. scorpionfish	Liver	Tin	0.52	mg/kg	0.24
SD15	2	Ca. scorpionfish	Liver	Total DDT	193.7	ug/kg	
SD15	2	Ca. scorpionfish	Liver	Total PCB	77.6	ug/kg	
SD15	2	Ca. scorpionfish	Liver	Total Solids	39	wt%	0.4
SD15	2	Ca. scorpionfish	Liver	Trans Nonachlor	E 3.8	ug/kg	
SD15	2	Ca. scorpionfish	Liver	Zinc	86.5	mg/kg	0.049
SD15	3	Ca. scorpionfish	Liver	Alpha (cis) Chlordane	E 2.9	ug/kg	
SD15	3	Ca. scorpionfish	Liver	Aluminum	4.52	mg/kg	0.583
SD15	3	Ca. scorpionfish	Liver	Arsenic	0.792	mg/kg	0.375
SD15	3	Ca. scorpionfish	Liver	Barium	0.037	mg/kg	0.007
SD15	3	Ca. scorpionfish	Liver	Cadmium	2.17	mg/kg	0.029
SD15	3	Ca. scorpionfish	Liver	Chromium	0.228	mg/kg	0.08
SD15	3	Ca. scorpionfish	Liver	Copper	15.5	mg/kg	0.068
SD15	3	Ca. scorpionfish	Liver	Hexachlorobenzene	E 1.1	ug/kg	
SD15	3	Ca. scorpionfish	Liver	Iron	72.8	mg/kg	0.096
SD15	3	Ca. scorpionfish	Liver	Lipids	20.3	wt%	0.005
SD15	3	Ca. scorpionfish	Liver	Manganese	0.514	mg/kg	0.007
SD15	3	Ca. scorpionfish	Liver	Mercury	0.14	mg/kg	0.03
SD15	3	Ca. scorpionfish	Liver	o,p-DDE	E 1.9	ug/kg	

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD15	3	Ca. scorpionfish	Liver	p,p-DDD	E	11	ug/kg	
SD15	3	Ca. scorpionfish	Liver	p,p-DDE		450	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	p,-p-DDMU	E	8.2	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 101		15	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	PCB 105	E	7.1	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 110	E	8.7	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 118		26	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	PCB 128	E	7.6	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 138		35	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	PCB 149	E	7.7	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 151	E	4.6	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 153/168		54	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	PCB 156	E	3.2	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 158	E	2.3	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 167	E	1.8	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 170	E	6.6	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 177	E	5.2	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 180		21	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	PCB 183	E	6	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 187		23	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	PCB 194	E	3.2	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 201	E	4.5	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 206	E	1.7	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 49	E	2.4	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 66	E	4.9	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 70	E	0.6	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 74	E	2.7	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 87	E	3.4	ug/kg	
SD15	3	Ca. scorpionfish	Liver	PCB 99		16	ug/kg	13.3
SD15	3	Ca. scorpionfish	Liver	Selenium		0.82	mg/kg	0.06
SD15	3	Ca. scorpionfish	Liver	Silver		0.218	mg/kg	0.057
SD15	3	Ca. scorpionfish	Liver	Tin		0.586	mg/kg	0.24
SD15	3	Ca. scorpionfish	Liver	Total DDT		462.9	ug/kg	
SD15	3	Ca. scorpionfish	Liver	Total PCB		274.2	ug/kg	
SD15	3	Ca. scorpionfish	Liver	Total Solids		43.2	wt%	0.4
SD15	3	Ca. scorpionfish	Liver	Trans Nonachlor	E	6.3	ug/kg	
SD15	3	Ca. scorpionfish	Liver	Zinc		63.8	mg/kg	0.049
SD16	1	Hornyhead turbot	Liver	Aluminum		3.01	mg/kg	0.583
SD16	1	Hornyhead turbot	Liver	Arsenic		1.74	mg/kg	0.375
SD16	1	Hornyhead turbot	Liver	Barium		0.029	mg/kg	0.007
SD16	1	Hornyhead turbot	Liver	Cadmium		4.08	mg/kg	0.029
SD16	1	Hornyhead turbot	Liver	Chromium		0.296	mg/kg	0.08
SD16	1	Hornyhead turbot	Liver	Copper		5.29	mg/kg	0.068
SD16	1	Hornyhead turbot	Liver	Hexachlorobenzene	E	1.2	ug/kg	
SD16	1	Hornyhead turbot	Liver	Iron		28.9	mg/kg	0.096
SD16	1	Hornyhead turbot	Liver	Lipids		8.37	wt%	0.005
SD16	1	Hornyhead turbot	Liver	Manganese		1.07	mg/kg	0.007
SD16	1	Hornyhead turbot	Liver	Mercury		0.083	mg/kg	0.03
SD16	1	Hornyhead turbot	Liver	o,p-DDE	E	1.9	ug/kg	
SD16	1	Hornyhead turbot	Liver	p,p-DDD	E	4.1	ug/kg	
SD16	1	Hornyhead turbot	Liver	p,p-DDE		120	ug/kg	13.3
SD16	1	Hornyhead turbot	Liver	p,-p-DDMU	E	6.9	ug/kg	
SD16	1	Hornyhead turbot	Liver	PCB 101	E	1.8	ug/kg	
SD16	1	Hornyhead turbot	Liver	PCB 118	E	3.9	ug/kg	

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD16	1	Hornyhead turbot	Liver	PCB 138	E	6.3	ug/kg	
SD16	1	Hornyhead turbot	Liver	PCB 153/168	E	8.8	ug/kg	
SD16	1	Hornyhead turbot	Liver	PCB 180	E	4.7	ug/kg	
SD16	1	Hornyhead turbot	Liver	PCB 187	E	4.7	ug/kg	
SD16	1	Hornyhead turbot	Liver	PCB 99	E	2.4	ug/kg	
SD16	1	Hornyhead turbot	Liver	Selenium		0.682	mg/kg	0.06
SD16	1	Hornyhead turbot	Liver	Silver		0.422	mg/kg	0.057
SD16	1	Hornyhead turbot	Liver	Tin		0.389	mg/kg	0.24
SD16	1	Longfin sanddab	Liver	Total DDT		412.7	ug/kg	
SD16	1	Hornyhead turbot	Liver	Total DDT		126	ug/kg	
SD16	1	Longfin sanddab	Liver	Total PCB		185.1	ug/kg	
SD16	1	Hornyhead turbot	Liver	Total PCB		32.6	ug/kg	
SD16	1	Hornyhead turbot	Liver	Total Solids		30	wt%	0.4
SD16	1	Hornyhead turbot	Liver	Zinc		50.3	mg/kg	0.049
SD16	2	Hornyhead turbot	Liver	Aluminum		4.35	mg/kg	0.583
SD16	2	Hornyhead turbot	Liver	Arsenic		1.71	mg/kg	0.375
SD16	2	Hornyhead turbot	Liver	Barium		0.036	mg/kg	0.007
SD16	2	Hornyhead turbot	Liver	Cadmium		5.36	mg/kg	0.029
SD16	2	Hornyhead turbot	Liver	Chromium		0.25	mg/kg	0.08
SD16	2	Hornyhead turbot	Liver	Copper		3.42	mg/kg	0.068
SD16	2	Hornyhead turbot	Liver	Iron		33.1	mg/kg	0.096
SD16	2	Hornyhead turbot	Liver	Lipids		13.3	wt%	0.005
SD16	2	Hornyhead turbot	Liver	Manganese		0.917	mg/kg	0.007
SD16	2	Hornyhead turbot	Liver	Mercury		0.109	mg/kg	0.03
SD16	2	Hornyhead turbot	Liver	p,p-DDD	E	5.2	ug/kg	
SD16	2	Hornyhead turbot	Liver	p,p-DDE		180	ug/kg	13.3
SD16	2	Hornyhead turbot	Liver	p,-p-DDMU	E	7.9	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 101	E	1.9	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 105	E	1.1	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 118	E	4.7	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 138	E	9.5	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 153/168	E	12	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 180	E	7.2	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 187	E	7	ug/kg	
SD16	2	Hornyhead turbot	Liver	PCB 66	E	1.5	ug/kg	
SD16	2	Hornyhead turbot	Liver	Selenium		1.05	mg/kg	0.06
SD16	2	Hornyhead turbot	Liver	Silver		0.487	mg/kg	0.057
SD16	2	Hornyhead turbot	Liver	Tin		0.475	mg/kg	0.24
SD16	2	Ca. scorpionfish	Liver	Total DDT		624.7	ug/kg	
SD16	2	Hornyhead turbot	Liver	Total DDT		185.2	ug/kg	
SD16	2	Ca. scorpionfish	Liver	Total PCB		276.2	ug/kg	
SD16	2	Hornyhead turbot	Liver	Total PCB		44.9	ug/kg	
SD16	2	Hornyhead turbot	Liver	Total Solids		32.1	wt%	0.4
SD16	2	Hornyhead turbot	Liver	Zinc		48.3	mg/kg	0.049
SD16	3	Ca. scorpionfish	Liver	Alpha (cis) Chlordane	E	10	ug/kg	
SD16	3	Ca. scorpionfish	Liver	Aluminum		4.45	mg/kg	0.583
SD16	3	Ca. scorpionfish	Liver	Arsenic		0.551	mg/kg	0.375
SD16	3	Ca. scorpionfish	Liver	Barium		0.035	mg/kg	0.007
SD16	3	Ca. scorpionfish	Liver	Cadmium		3.07	mg/kg	0.029
SD16	3	Ca. scorpionfish	Liver	Chromium		0.233	mg/kg	0.08
SD16	3	Ca. scorpionfish	Liver	Cis Nonachlor	E	9.6	ug/kg	
SD16	3	Ca. scorpionfish	Liver	Copper		23.5	mg/kg	0.068
SD16	3	Ca. scorpionfish	Liver	Hexachlorobenzene	E	2.8	ug/kg	
SD16	3	Ca. scorpionfish	Liver	Iron		105	mg/kg	0.096

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD16	3	Ca. scorpionfish	Liver	Lipids		22.1	wt%	0.005
SD16	3	Ca. scorpionfish	Liver	Manganese		0.535	mg/kg	0.007
SD16	3	Ca. scorpionfish	Liver	Mercury		0.441	mg/kg	0.03
SD16	3	Ca. scorpionfish	Liver	o,p-DDE		50	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	o,p-DDT	E	1.5	ug/kg	
SD16	3	Ca. scorpionfish	Liver	p,p-DDD		330	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	p,p-DDE		14400	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	p,-p-DDMU		490	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	p,p-DDT		27	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 101		88	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 105		43	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 110		57	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 114	E	3.3	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 118		130	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 119	E	3.5	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 123	E	12	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 128		25	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 138		110	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 149		31	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 151		17	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 153/168		160	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 156	E	13	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 157	E	3.1	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 158	E	11	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 167	E	6.7	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 170		22	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 177		16	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 180		72	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 183		18	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 187		57	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 194	E	10	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 201		18	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 206	E	5	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 28	E	5.6	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 44	E	9.5	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 49		20	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 52		28	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 66		48	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 70	E	6.4	ug/kg	
SD16	3	Ca. scorpionfish	Liver	PCB 74		32	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 87		29	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	PCB 99		65	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	Selenium		0.855	mg/kg	0.06
SD16	3	Ca. scorpionfish	Liver	Silver		0.313	mg/kg	0.057
SD16	3	Ca. scorpionfish	Liver	Tin		0.524	mg/kg	0.24
SD16	3	Ca. scorpionfish	Liver	Total DDT		14808.5	ug/kg	
SD16	3	Ca. scorpionfish	Liver	Total PCB		1175.1	ug/kg	
SD16	3	Ca. scorpionfish	Liver	Total Solids		38.3	wt%	0.4
SD16	3	Ca. scorpionfish	Liver	Trans Nonachlor		27	ug/kg	13.3
SD16	3	Ca. scorpionfish	Liver	Zinc		92.3	mg/kg	0.049
SD17	1	Longfin sanddab	Liver	Alpha (cis) Chlordane	E	5.3	ug/kg	
SD17	1	Longfin sanddab	Liver	Aluminum		10.3	mg/kg	0.583
SD17	1	Longfin sanddab	Liver	Arsenic		3.54	mg/kg	0.375
SD17	1	Longfin sanddab	Liver	Barium		0.073	mg/kg	0.007

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD17	1	Longfin sanddab	Liver	Cadmium		2.15	mg/kg	0.029
SD17	1	Longfin sanddab	Liver	Chromium		0.35	mg/kg	0.08
SD17	1	Longfin sanddab	Liver	Cis Nonachlor	E	6.3	ug/kg	
SD17	1	Longfin sanddab	Liver	Copper		3.57	mg/kg	0.068
SD17	1	Longfin sanddab	Liver	Hexachlorobenzene	E	2.2	ug/kg	
SD17	1	Longfin sanddab	Liver	Iron		69.9	mg/kg	0.096
SD17	1	Longfin sanddab	Liver	Lipids		43.1	wt%	0.005
SD17	1	Longfin sanddab	Liver	Manganese		1.05	mg/kg	0.007
SD17	1	Longfin sanddab	Liver	Mercury		0.044	mg/kg	0.03
SD17	1	Longfin sanddab	Liver	o,p-DDD	E	1.1	ug/kg	
SD17	1	Longfin sanddab	Liver	o,p-DDE	E	8.8	ug/kg	
SD17	1	Longfin sanddab	Liver	o,p-DDT	E	1.9	ug/kg	
SD17	1	Longfin sanddab	Liver	p,p-DDD	E	13	ug/kg	
SD17	1	Longfin sanddab	Liver	p,p-DDE		900	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	p,-p-DDMU		22	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	p,p-DDT		17	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 101	E	6.3	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 105	E	6.7	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 110	E	3.7	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 118		25	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 123	E	2.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 128	E	8.6	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 138		55	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 149	E	7.6	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 151	E	6.6	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 153/168		96	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 156	E	4.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 158	E	3.4	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 167	E	2.7	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 170		18	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 177	E	7.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 180		52	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 183	E	13	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 187		50	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	PCB 194	E	10	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 201	E	12	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 206	E	3.6	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 66	E	2.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 74	E	1.9	ug/kg	
SD17	1	Longfin sanddab	Liver	PCB 99		15	ug/kg	13.3
SD17	1	Longfin sanddab	Liver	Selenium		0.632	mg/kg	0.06
SD17	1	Longfin sanddab	Liver	Silver		0.075	mg/kg	0.057
SD17	1	Longfin sanddab	Liver	Tin		0.611	mg/kg	0.24
SD17	1	Longfin sanddab	Liver	Total DDT		745.8	ug/kg	
SD17	1	Longfin sanddab	Liver	Total DDT		941.8	ug/kg	
SD17	1	Longfin sanddab	Liver	Total PCB		263.8	ug/kg	
SD17	1	Longfin sanddab	Liver	Total PCB		415.7	ug/kg	
SD17	1	Longfin sanddab	Liver	Total Solids		52.6	wt%	0.4
SD17	1	Longfin sanddab	Liver	Trans Nonachlor	E	10	ug/kg	
SD17	1	Longfin sanddab	Liver	Zinc		20	mg/kg	0.049
SD17	2	Hornyhead turbot	Liver	Aluminum		3.15	mg/kg	0.583
SD17	2	Hornyhead turbot	Liver	Arsenic		1.61	mg/kg	0.375
SD17	2	Hornyhead turbot	Liver	Barium		0.029	mg/kg	0.007
SD17	2	Hornyhead turbot	Liver	Cadmium		2.84	mg/kg	0.029

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD17	2	Hornyhead turbot	Liver	Chromium		0.192	mg/kg	0.08
SD17	2	Hornyhead turbot	Liver	Copper		2.49	mg/kg	0.068
SD17	2	Hornyhead turbot	Liver	Iron		30.8	mg/kg	0.096
SD17	2	Hornyhead turbot	Liver	Lipids		12.1	wt%	0.005
SD17	2	Hornyhead turbot	Liver	Manganese		1.05	mg/kg	0.007
SD17	2	Hornyhead turbot	Liver	Mercury		0.072	mg/kg	0.03
SD17	2	Hornyhead turbot	Liver	p,p-DDD	E	6.1	ug/kg	
SD17	2	Hornyhead turbot	Liver	p,p-DDE		190	ug/kg	13.3
SD17	2	Hornyhead turbot	Liver	p,-p-DDMU	E	10	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 101	E	2.5	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 138	E	8.5	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 153/168	E	11	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 180	E	6.7	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 187	E	6.4	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 194	E	1.3	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 206	E	1	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 66	E	1.2	ug/kg	
SD17	2	Hornyhead turbot	Liver	PCB 99	E	3	ug/kg	
SD17	2	Hornyhead turbot	Liver	Selenium		0.504	mg/kg	0.06
SD17	2	Hornyhead turbot	Liver	Silver		0.079	mg/kg	0.057
SD17	2	Hornyhead turbot	Liver	Tin		0.272	mg/kg	0.24
SD17	2	PACIFIC SANDDAB	Liver	Total DDT		531.7	ug/kg	
SD17	2	Hornyhead turbot	Liver	Total DDT		196.1	ug/kg	
SD17	2	PACIFIC SANDDAB	Liver	Total PCB		225.6	ug/kg	
SD17	2	Hornyhead turbot	Liver	Total PCB		41.6	ug/kg	
SD17	2	Hornyhead turbot	Liver	Total Solids		29.3	wt%	0.4
SD17	2	Hornyhead turbot	Liver	Zinc 2,6-		48	mg/kg	0.049
SD17	3	Hornyhead turbot	Liver	dimethylnaphthalene		104	ug/kg	20.7
SD17	3	Hornyhead turbot	Liver	Aluminum		3.59	mg/kg	0.583
SD17	3	Hornyhead turbot	Liver	Arsenic		2.34	mg/kg	0.375
SD17	3	Hornyhead turbot	Liver	Barium		0.036	mg/kg	0.007
SD17	3	Hornyhead turbot	Liver	Cadmium		3.14	mg/kg	0.029
SD17	3	Hornyhead turbot	Liver	Chromium		0.234	mg/kg	0.08
SD17	3	Hornyhead turbot	Liver	Copper		4.82	mg/kg	0.068
SD17	3	Hornyhead turbot	Liver	Iron		37.8	mg/kg	0.096
SD17	3	Hornyhead turbot	Liver	Lipids		13	wt%	0.005
SD17	3	Hornyhead turbot	Liver	Manganese		0.745	mg/kg	0.007
SD17	3	Hornyhead turbot	Liver	Mercury		0.068	mg/kg	0.03
SD17	3	Hornyhead turbot	Liver	p,p-DDD	E	5.2	ug/kg	
SD17	3	Hornyhead turbot	Liver	p,p-DDE		140	ug/kg	13.3
SD17	3	Hornyhead turbot	Liver	p,-p-DDMU	E	6.7	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 101	E	2.3	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 118	E	3.3	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 138	E	7	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 153/168	E	8	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 180	E	5.4	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 187	E	5.8	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 66	E	0.9	ug/kg	
SD17	3	Hornyhead turbot	Liver	PCB 99	E	2.6	ug/kg	
SD17	3	Hornyhead turbot	Liver	Selenium		0.692	mg/kg	0.06
SD17	3	Hornyhead turbot	Liver	Silver		0.09	mg/kg	0.057
SD17	3	Hornyhead turbot	Liver	Tin		0.395	mg/kg	0.24
SD17	3	Ca. scorpionfish	Liver	Total DDT		1538.65	ug/kg	

Appendix D.3 continued

October 2004

Station	Rep	Species	Tissue	Parameter	Value	Units	MDL
SD17	3	Hornyhead turbot	Liver	Total DDT	145.2	ug/kg	
SD17	3	Ca. scorpionfish	Liver	Total PCB	288.45	ug/kg	
SD17	3	Hornyhead turbot	Liver	Total PCB	35.3	ug/kg	
SD17	3	Hornyhead turbot	Liver	Total Solids	30	wt%	0.4
SD17	3	Hornyhead turbot	Liver	Zinc	48.4	mg/kg	0.049
SD18	1	Longfin sanddab	Liver	Aluminum	4.75	mg/kg	0.583
SD18	1	Longfin sanddab	Liver	Arsenic	8.07	mg/kg	0.375
SD18	1	Longfin sanddab	Liver	Barium	0.045	mg/kg	0.007
SD18	1	Longfin sanddab	Liver	Cadmium	2.6	mg/kg	0.029
SD18	1	Longfin sanddab	Liver	Chromium	0.284	mg/kg	0.08
SD18	1	Longfin sanddab	Liver	Copper	4.64	mg/kg	0.068
SD18	1	Longfin sanddab	Liver	Hexachlorobenzene	E 1.3	ug/kg	
SD18	1	Longfin sanddab	Liver	Iron	89.9	mg/kg	0.096
SD18	1	Longfin sanddab	Liver	Lipids	22.8	wt%	0.005
SD18	1	Longfin sanddab	Liver	Manganese	1.33	mg/kg	0.007
SD18	1	Longfin sanddab	Liver	Mercury	0.118	mg/kg	0.03
SD18	1	Longfin sanddab	Liver	o,p-DDD	E 0.7	ug/kg	
SD18	1	Longfin sanddab	Liver	o,p-DDE	E 3.9	ug/kg	
SD18	1	Longfin sanddab	Liver	p,p-DDD	E 8.3	ug/kg	
SD18	1	Longfin sanddab	Liver	p,p-DDE	380	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	p,-p-DDMU	E 12	ug/kg	
SD18	1	Longfin sanddab	Liver	p,p-DDT	E 6.6	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 101	E 4.6	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 105	E 3.2	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 110	E 2.6	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 118	E 11	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 128	E 3.9	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 138	20	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 149	E 4.7	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 151	E 2.6	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 153/168	33	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 158	E 1.2	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 170	E 4.7	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 180	18	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 183	E 4.2	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 187	18	ug/kg	13.3
SD18	1	Longfin sanddab	Liver	PCB 194	E 3.4	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 201	E 5.7	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 206	E 1.4	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 66	E 2.2	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 74	E 1	ug/kg	
SD18	1	Longfin sanddab	Liver	PCB 99	E 7	ug/kg	
SD18	1	Longfin sanddab	Liver	Selenium	0.914	mg/kg	0.06
SD18	1	Longfin sanddab	Liver	Silver	0.087	mg/kg	0.057
SD18	1	Longfin sanddab	Liver	Tin	0.336	mg/kg	0.24
SD18	1	Longfin sanddab	Liver	Total DDT	1170.8	ug/kg	
SD18	1	Longfin sanddab	Liver	Total DDT	399.5	ug/kg	
SD18	1	Longfin sanddab	Liver	Total PCB	664.5	ug/kg	
SD18	1	Longfin sanddab	Liver	Total PCB	152.4	ug/kg	
SD18	1	Longfin sanddab	Liver	Total Solids	43.8	wt%	0.4
SD18	1	Longfin sanddab	Liver	Zinc	20.6	mg/kg	0.049
SD18	2	Hornyhead turbot	Liver	Aluminum	2.5	mg/kg	0.583
SD18	2	Hornyhead turbot	Liver	Arsenic	2.66	mg/kg	0.375
SD18	2	Hornyhead turbot	Liver	Barium	0.027	mg/kg	0.007

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD18	2	Hornyhead turbot	Liver	Cadmium		4.72	mg/kg	0.029
SD18	2	Hornyhead turbot	Liver	Chromium		0.216	mg/kg	0.08
SD18	2	Hornyhead turbot	Liver	Copper		4.07	mg/kg	0.068
SD18	2	Hornyhead turbot	Liver	Iron		38.8	mg/kg	0.096
SD18	2	Hornyhead turbot	Liver	Lipids		11.1	wt%	0.005
SD18	2	Hornyhead turbot	Liver	Manganese		0.879	mg/kg	0.007
SD18	2	Hornyhead turbot	Liver	Mercury		0.128	mg/kg	0.03
SD18	2	Hornyhead turbot	Liver	o,p-DDE	E	1.9	ug/kg	
SD18	2	Hornyhead turbot	Liver	p,p-DDD	E	5.3	ug/kg	
SD18	2	Hornyhead turbot	Liver	p,p-DDE		190	ug/kg	13.3
SD18	2	Hornyhead turbot	Liver	p,-p-DDMU	E	11	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 101	E	2.6	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 118	E	4.1	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 138	E	8.4	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 153/168	E	11	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 180	E	6.9	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 187	E	6.4	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 206	E	1	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 66	E	1.3	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 74	E	0.8	ug/kg	
SD18	2	Hornyhead turbot	Liver	PCB 99	E	13.3	ug/kg	13.3
SD18	2	Hornyhead turbot	Liver	Selenium		0.736	mg/kg	0.06
SD18	2	Hornyhead turbot	Liver	Silver		0.126	mg/kg	0.057
SD18	2	Hornyhead turbot	Liver	Tin		0.281	mg/kg	0.24
SD18	2	Longfin sanddab	Liver	Total DDT		973.4	ug/kg	
SD18	2	Hornyhead turbot	Liver	Total DDT		197.2	ug/kg	
SD18	2	Longfin sanddab	Liver	Total PCB		369.1	ug/kg	
SD18	2	Hornyhead turbot	Liver	Total PCB		55.8	ug/kg	
SD18	2	Hornyhead turbot	Liver	Total Solids		26.7	wt%	0.4
SD18	2	Hornyhead turbot	Liver	Zinc		49.7	mg/kg	0.049
SD18	3	Hornyhead turbot	Liver	Aluminum		2.03	mg/kg	0.583
SD18	3	Hornyhead turbot	Liver	Arsenic		2.78	mg/kg	0.375
SD18	3	Hornyhead turbot	Liver	Barium		0.029	mg/kg	0.007
SD18	3	Hornyhead turbot	Liver	Cadmium		4.34	mg/kg	0.029
SD18	3	Hornyhead turbot	Liver	Chromium		0.23	mg/kg	0.08
SD18	3	Hornyhead turbot	Liver	Copper		7.85	mg/kg	0.068
SD18	3	Hornyhead turbot	Liver	Hexachlorobenzene	E	1.3	ug/kg	
SD18	3	Hornyhead turbot	Liver	Iron		29.8	mg/kg	0.096
SD18	3	Hornyhead turbot	Liver	Lipids		10.5	wt%	0.005
SD18	3	Hornyhead turbot	Liver	Manganese		0.73	mg/kg	0.007
SD18	3	Hornyhead turbot	Liver	Mercury		0.063	mg/kg	0.03
SD18	3	Hornyhead turbot	Liver	o,p-DDD	E	1.55	ug/kg	
SD18	3	Hornyhead turbot	Liver	o,p-DDE	E	3.45	ug/kg	
SD18	3	Hornyhead turbot	Liver	p,p-DDD		21	ug/kg	13.3
SD18	3	Hornyhead turbot	Liver	p,p-DDE		300	ug/kg	13.3
SD18	3	Hornyhead turbot	Liver	p,-p-DDMU		17.5	ug/kg	13.3
SD18	3	Hornyhead turbot	Liver	PCB 101	E	3.85	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 105	E	2.05	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 110	E	1.2	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 118	E	6.35	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 128	<	13.3	ug/kg	13.3
SD18	3	Hornyhead turbot	Liver	PCB 138	E	12	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 149	E	3.2	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 151	E	1.75	ug/kg	

Appendix D.3 continued

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD18	3	Hornyhead turbot	Liver	PCB 153/168		18	ug/kg	13.3
SD18	3	Hornyhead turbot	Liver	PCB 180	E	12	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 183	E	4.25	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 187	E	11	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 194	E	2.35	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 206	E	1.3	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 66	E	1.9	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 70	E	1	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 74	E	1.15	ug/kg	
SD18	3	Hornyhead turbot	Liver	PCB 99	E	5.15	ug/kg	
SD18	3	Hornyhead turbot	Liver	Selenium		0.479	mg/kg	0.06
SD18	3	Hornyhead turbot	Liver	Silver		0.202	mg/kg	0.057
SD18	3	Hornyhead turbot	Liver	Tin		0.451	mg/kg	0.24
SD18	3	Hornyhead turbot	Liver	Total DDT		158.3	ug/kg	
SD18	3	Hornyhead turbot	Liver	Total DDT		326	ug/kg	
SD18	3	Hornyhead turbot	Liver	Total PCB		26.6	ug/kg	
SD18	3	Hornyhead turbot	Liver	Total PCB		101.8	ug/kg	
SD18	3	Hornyhead turbot	Liver	Total Solids		36	wt%	0.4
SD18	3	Hornyhead turbot	Liver	Zinc		53.9	mg/kg	0.049
SD19	1	Hornyhead turbot	Liver	Aluminum		2.58	mg/kg	0.583
SD19	1	Hornyhead turbot	Liver	Arsenic		1.85	mg/kg	0.375
SD19	1	Hornyhead turbot	Liver	Barium		0.032	mg/kg	0.007
SD19	1	Hornyhead turbot	Liver	Cadmium		4.75	mg/kg	0.029
SD19	1	Hornyhead turbot	Liver	Chromium		0.297	mg/kg	0.08
SD19	1	Hornyhead turbot	Liver	Copper		7.89	mg/kg	0.068
SD19	1	Hornyhead turbot	Liver	Iron		24.6	mg/kg	0.096
SD19	1	Hornyhead turbot	Liver	Lipids		7.59	wt%	0.005
SD19	1	Hornyhead turbot	Liver	Manganese		0.98	mg/kg	0.007
SD19	1	Hornyhead turbot	Liver	Mercury		0.116	mg/kg	0.03
SD19	1	Hornyhead turbot	Liver	p,p-DDD	E	3	ug/kg	
SD19	1	Hornyhead turbot	Liver	p,p-DDE		100	ug/kg	13.3
SD19	1	Hornyhead turbot	Liver	p,-p-DDMU	E	5.8	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 101	E	1.9	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 118	E	3.1	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 138	E	5.8	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 153/168	E	6.9	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 180	E	3.8	ug/kg	
SD19	1	Hornyhead turbot	Liver	PCB 99	E	2.4	ug/kg	
SD19	1	Hornyhead turbot	Liver	Selenium		0.579	mg/kg	0.06
SD19	1	Hornyhead turbot	Liver	Silver		0.406	mg/kg	0.057
SD19	1	Hornyhead turbot	Liver	Tin		0.369	mg/kg	0.24
SD19	1	Hornyhead turbot	Liver	Total DDT		156.1	ug/kg	
SD19	1	Hornyhead turbot	Liver	Total DDT		103	ug/kg	
SD19	1	Hornyhead turbot	Liver	Total PCB		53.7	ug/kg	
SD19	1	Hornyhead turbot	Liver	Total PCB		23.9	ug/kg	
SD19	1	Hornyhead turbot	Liver	Total Solids		35.3	wt%	0.4
SD19	1	Hornyhead turbot	Liver	Zinc 2,6-		58.2	mg/kg	0.049
SD19	2	Hornyhead turbot	Liver	dimethylnaphthalene		113	ug/kg	20.7
SD19	2	Hornyhead turbot	Liver	Aluminum		3.78	mg/kg	0.583
SD19	2	Hornyhead turbot	Liver	Arsenic		1.62	mg/kg	0.375
SD19	2	Hornyhead turbot	Liver	Barium		0.036	mg/kg	0.007
SD19	2	Hornyhead turbot	Liver	Cadmium		3.27	mg/kg	0.029
SD19	2	Hornyhead turbot	Liver	Chromium		0.47	mg/kg	0.08

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD19	2	Hornyhead turbot	Liver	Copper		4.8	mg/kg	0.068
SD19	2	Hornyhead turbot	Liver	Hexachlorobenzene	E	1	ug/kg	
SD19	2	Hornyhead turbot	Liver	Iron		35.7	mg/kg	0.096
SD19	2	Hornyhead turbot	Liver	Lipids		12.9	wt%	0.005
SD19	2	Hornyhead turbot	Liver	Manganese		0.837	mg/kg	0.007
SD19	2	Hornyhead turbot	Liver	Mercury		0.061	mg/kg	0.03
SD19	2	Hornyhead turbot	Liver	o,p-DDE	E	3.4	ug/kg	
SD19	2	Hornyhead turbot	Liver	p,p-DDD	E	6.3	ug/kg	
SD19	2	Hornyhead turbot	Liver	p,p-DDE		210	ug/kg	13.3
SD19	2	Hornyhead turbot	Liver	p,-p-DDMU	E	9.7	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 101	E	2.4	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 105	E	1.3	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 118	E	4.5	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 138	E	8.5	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 153/168		14	ug/kg	13.3
SD19	2	Hornyhead turbot	Liver	PCB 180	E	7.1	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 183	E	1.9	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 187	E	7.8	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 194	E	1.7	ug/kg	
SD19	2	Hornyhead turbot	Liver	PCB 99	E	3.8	ug/kg	
SD19	2	Hornyhead turbot	Liver	Selenium		0.56	mg/kg	0.06
SD19	2	Hornyhead turbot	Liver	Silver		0.172	mg/kg	0.057
SD19	2	Hornyhead turbot	Liver	Tin		0.45	mg/kg	0.24
SD19	2	Hornyhead turbot	Liver	Total DDT		219.7	ug/kg	
SD19	2	Hornyhead turbot	Liver	Total PCB		53	ug/kg	
SD19	2	Hornyhead turbot	Liver	Total Solids		31.7	wt%	0.4
SD19	2	Hornyhead turbot	Liver	Zinc		42.2	mg/kg	0.049
SD20	1	Hornyhead turbot	Liver	Aluminum		4.78	mg/kg	0.583
SD20	1	Hornyhead turbot	Liver	Arsenic		0.949	mg/kg	0.375
SD20	1	Hornyhead turbot	Liver	Barium		0.034	mg/kg	0.007
SD20	1	Hornyhead turbot	Liver	Cadmium		4.31	mg/kg	0.029
SD20	1	Hornyhead turbot	Liver	Chromium		0.264	mg/kg	0.08
SD20	1	Hornyhead turbot	Liver	Copper		2.61	mg/kg	0.068
SD20	1	Hornyhead turbot	Liver	Iron		21.7	mg/kg	0.096
SD20	1	Hornyhead turbot	Liver	Lipids		16.4	wt%	0.005
SD20	1	Hornyhead turbot	Liver	Manganese		1.17	mg/kg	0.007
SD20	1	Hornyhead turbot	Liver	Mercury		0.092	mg/kg	0.03
SD20	1	Hornyhead turbot	Liver	p,p-DDE		51	ug/kg	13.3
SD20	1	Hornyhead turbot	Liver	p,-p-DDMU	E	3.2	ug/kg	
SD20	1	Hornyhead turbot	Liver	PCB 153/168	E	3.4	ug/kg	
SD20	1	Hornyhead turbot	Liver	Selenium		0.603	mg/kg	0.06
SD20	1	Hornyhead turbot	Liver	Tin		0.505	mg/kg	0.24
SD20	1	Longfin sanddab	Liver	Total DDT		543.6	ug/kg	
SD20	1	Hornyhead turbot	Liver	Total DDT		51	ug/kg	
SD20	1	Longfin sanddab	Liver	Total PCB		422.5	ug/kg	
SD20	1	Hornyhead turbot	Liver	Total PCB		3.4	ug/kg	
SD20	1	Hornyhead turbot	Liver	Total Solids		29.2	wt%	0.4
SD20	1	Hornyhead turbot	Liver	Zinc		50.2	mg/kg	0.049
SD20	2	Ca. scorpionfish	Liver	Aluminum		4.5	mg/kg	0.583
SD20	2	Ca. scorpionfish	Liver	Arsenic	<	0.375	mg/kg	0.375
SD20	2	Ca. scorpionfish	Liver	Barium		0.041	mg/kg	0.007
SD20	2	Ca. scorpionfish	Liver	Cadmium		3.01	mg/kg	0.029
SD20	2	Ca. scorpionfish	Liver	Chromium		0.275	mg/kg	0.08
SD20	2	Ca. scorpionfish	Liver	Copper		22.8	mg/kg	0.068

Appendix D.3 continued

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD20	2	Ca. scorpionfish	Liver	Hexachlorobenzene	E	2.3	ug/kg	
SD20	2	Ca. scorpionfish	Liver	Iron		130	mg/kg	0.096
SD20	2	Ca. scorpionfish	Liver	Lipids		6.35	wt%	0.005
SD20	2	Ca. scorpionfish	Liver	Manganese		0.698	mg/kg	0.007
SD20	2	Ca. scorpionfish	Liver	Mercury		0.124	mg/kg	0.03
SD20	2	Ca. scorpionfish	Liver	o,p-DDE	E	6	ug/kg	
SD20	2	Ca. scorpionfish	Liver	p,p-DDD	E	8.1	ug/kg	
SD20	2	Ca. scorpionfish	Liver	p,p-DDE		770	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	p,-p-DDMU		18	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	p,p-DDT	E	6.3	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 101		14	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	PCB 105	E	7.4	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 110	E	6	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 118		25	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	PCB 128	E	8.2	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 138		41	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	PCB 149	E	5.2	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 151	E	5.4	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 153/168		65	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	PCB 170	E	9.3	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 180		27	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	PCB 183	E	6.5	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 187		29	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	PCB 194	E	3.9	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 206	E	2.3	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 49	E	1.7	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 66	E	3.4	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 74	E	2	ug/kg	
SD20	2	Ca. scorpionfish	Liver	PCB 99		17	ug/kg	13.3
SD20	2	Ca. scorpionfish	Liver	Selenium		0.875	mg/kg	0.06
SD20	2	Ca. scorpionfish	Liver	Silver		0.715	mg/kg	0.057
SD20	2	Ca. scorpionfish	Liver	Tin		0.417	mg/kg	0.24
SD20	2	Hornyhead turbot	Liver	Total DDT		62	ug/kg	
SD20	2	Ca. scorpionfish	Liver	Total DDT		790.4	ug/kg	
SD20	2	Hornyhead turbot	Liver	Total PCB		8.1	ug/kg	
SD20	2	Ca. scorpionfish	Liver	Total PCB		279.3	ug/kg	
SD20	2	Ca. scorpionfish	Liver	Total Solids		30.1	wt%	0.4
SD20	2	Ca. scorpionfish	Liver	Trans Nonachlor	E	5.5	ug/kg	
SD20	2	Ca. scorpionfish	Liver	Zinc		93.8	mg/kg	0.049
SD20	3	Ca. scorpionfish	Liver	Alpha (cis) Chlordane	E	7.8	ug/kg	
SD20	3	Ca. scorpionfish	Liver	Aluminum		6.24	mg/kg	0.583
SD20	3	Ca. scorpionfish	Liver	Antimony	<	0.478	mg/kg	0.478
SD20	3	Ca. scorpionfish	Liver	Arsenic		1.34	mg/kg	0.375
SD20	3	Ca. scorpionfish	Liver	Barium		0.048	mg/kg	0.007
SD20	3	Ca. scorpionfish	Liver	Cadmium		2.03	mg/kg	0.029
SD20	3	Ca. scorpionfish	Liver	Chromium		0.315	mg/kg	0.08
SD20	3	Ca. scorpionfish	Liver	Cis Nonachlor	E	5.8	ug/kg	
SD20	3	Ca. scorpionfish	Liver	Copper		23.3	mg/kg	0.068
SD20	3	Ca. scorpionfish	Liver	Hexachlorobenzene	E	2.1	ug/kg	
SD20	3	Ca. scorpionfish	Liver	Iron		185	mg/kg	0.096
SD20	3	Ca. scorpionfish	Liver	Lipids		24.1	wt%	0.005
SD20	3	Ca. scorpionfish	Liver	Manganese		0.538	mg/kg	0.007
SD20	3	Ca. scorpionfish	Liver	Mercury		0.114	mg/kg	0.03
SD20	3	Ca. scorpionfish	Liver	o,p-DDE		140	ug/kg	13.3

Appendix D.3 continued

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD20	3	Ca. scorpionfish	Liver	o,p-DDT	E	1.7	ug/kg	
SD20	3	Ca. scorpionfish	Liver	p,p-DDD		390	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	p,p-DDE		10400	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	p,-p-DDMU		720	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	p,p-DDT		34	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 101		78	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 105		41	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 110		60	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 114	E	2.1	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 118		110	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 119	E	3.2	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 123	E	11	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 128		22	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 138		88	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 149		26	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 151		15	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 153/168		130	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 156	E	11	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 158	E	10	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 167	E	5.1	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 170		19	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 177		14	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 180		60	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 183		16	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 187		49	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 194	E	8.9	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 201	E	13	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 206	E	4.4	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 28	E	10	ug/kg	
SD20	3	Ca. scorpionfish	Liver	PCB 44		16	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 49		26	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 52		35	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 66		53	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 70		34	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 74		31	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 87		29	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	PCB 99		61	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	Selenium		0.686	mg/kg	0.06
SD20	3	Ca. scorpionfish	Liver	Silver		0.394	mg/kg	0.057
SD20	3	Ca. scorpionfish	Liver	Tin		0.74	mg/kg	0.24
SD20	3	Longfin sanddab	Liver	Total DDT		244.5	ug/kg	
SD20	3	Ca. scorpionfish	Liver	Total DDT		10965.7	ug/kg	
SD20	3	Longfin sanddab	Liver	Total PCB		150.1	ug/kg	
SD20	3	Ca. scorpionfish	Liver	Total PCB		1091.7	ug/kg	
SD20	3	Ca. scorpionfish	Liver	Total Solids		55.5	wt%	0.4
SD20	3	Ca. scorpionfish	Liver	Trans Nonachlor		17	ug/kg	13.3
SD20	3	Ca. scorpionfish	Liver	Zinc		89.6	mg/kg	0.049
SD21	1	Hornyhead turbot	Liver	Aluminum		4.19	mg/kg	0.583
SD21	1	Hornyhead turbot	Liver	Arsenic		1.42	mg/kg	0.375
SD21	1	Hornyhead turbot	Liver	Barium		0.037	mg/kg	0.007
SD21	1	Hornyhead turbot	Liver	Cadmium		8.02	mg/kg	0.029
SD21	1	Hornyhead turbot	Liver	Chromium		0.287	mg/kg	0.08
SD21	1	Hornyhead turbot	Liver	Copper		4.59	mg/kg	0.068
SD21	1	Hornyhead turbot	Liver	Hexachlorobenzene	E	1	ug/kg	

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD21	1	Hornyhead turbot	Liver	Iron		41.2	mg/kg	0.096
SD21	1	Hornyhead turbot	Liver	Lipids		9.67	wt%	0.005
SD21	1	Hornyhead turbot	Liver	Manganese		0.893	mg/kg	0.007
SD21	1	Hornyhead turbot	Liver	Mercury		0.154	mg/kg	0.03
SD21	1	Hornyhead turbot	Liver	o,p-DDE	E	2.3	ug/kg	
SD21	1	Hornyhead turbot	Liver	p,p-DDD	E	11	ug/kg	
SD21	1	Hornyhead turbot	Liver	p,p-DDE		160	ug/kg	13.3
SD21	1	Hornyhead turbot	Liver	p,-p-DDMU	E	8.6	ug/kg	
SD21	1	Hornyhead turbot	Liver	p,p-DDT	E	10	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 101	E	2.4	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 105	E	1.8	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 118	E	6.7	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 128	E	1.9	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 138	E	12	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 149	E	2	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 153/168		17	ug/kg	13.3
SD21	1	Hornyhead turbot	Liver	PCB 180	E	8.5	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 183	E	3.2	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 187	E	11	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 194	E	2.4	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 206	E	1.8	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 66	E	1.2	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 74	E	0.7	ug/kg	
SD21	1	Hornyhead turbot	Liver	PCB 99	E	4	ug/kg	
SD21	1	Hornyhead turbot	Liver	Selenium		0.654	mg/kg	0.06
SD21	1	Hornyhead turbot	Liver	Silver		0.177	mg/kg	0.057
SD21	1	Hornyhead turbot	Liver	Tin		0.369	mg/kg	0.24
SD21	1	Hornyhead turbot	Liver	Total DDT		96.9	ug/kg	
SD21	1	Hornyhead turbot	Liver	Total DDT		183.3	ug/kg	
SD21	1	Hornyhead turbot	Liver	Total PCB		41	ug/kg	
SD21	1	Hornyhead turbot	Liver	Total PCB		76.6	ug/kg	
SD21	1	Hornyhead turbot	Liver	Total Solids		31.9	wt%	0.4
SD21	1	Hornyhead turbot	Liver	Zinc		57.6	mg/kg	0.049
SD21	2	Hornyhead turbot	Liver	Aluminum		4.76	mg/kg	0.583
SD21	2	Hornyhead turbot	Liver	Arsenic		1.97	mg/kg	0.375
SD21	2	Hornyhead turbot	Liver	Barium		0.041	mg/kg	0.007
SD21	2	Hornyhead turbot	Liver	Cadmium		6.92	mg/kg	0.029
SD21	2	Hornyhead turbot	Liver	Chromium		0.386	mg/kg	0.08
SD21	2	Hornyhead turbot	Liver	Copper		7.98	mg/kg	0.068
SD21	2	Hornyhead turbot	Liver	Iron		29.6	mg/kg	0.096
SD21	2	Hornyhead turbot	Liver	Lipids		13.3	wt%	0.005
SD21	2	Hornyhead turbot	Liver	Manganese		1.28	mg/kg	0.007
SD21	2	Hornyhead turbot	Liver	Mercury		0.288	mg/kg	0.03
SD21	2	Hornyhead turbot	Liver	o,p-DDE	E	3.2	ug/kg	
SD21	2	Hornyhead turbot	Liver	o,p-DDT	E	3.8	ug/kg	
SD21	2	Hornyhead turbot	Liver	p,p-DDD		36	ug/kg	13.3
SD21	2	Hornyhead turbot	Liver	p,p-DDE		210	ug/kg	13.3
SD21	2	Hornyhead turbot	Liver	p,-p-DDMU	E	11	ug/kg	
SD21	2	Hornyhead turbot	Liver	p,p-DDT		51	ug/kg	13.3
SD21	2	Hornyhead turbot	Liver	PCB 101	E	4.7	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 105	E	2.7	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 118	E	10	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 128	E	3	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 138		19	ug/kg	13.3

Appendix D.3 continued

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD21	2	Hornyhead turbot	Liver	PCB 149	E	3.3	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 153/168		29	ug/kg	13.3
SD21	2	Hornyhead turbot	Liver	PCB 170	E	5.1	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 180		15	ug/kg	13.3
SD21	2	Hornyhead turbot	Liver	PCB 183	E	4.4	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 187		18	ug/kg	13.3
SD21	2	Hornyhead turbot	Liver	PCB 194	E	3.6	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 206	E	2	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 49	E	1.5	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 66	E	2.2	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 70	E	0.7	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 74	E	1.1	ug/kg	
SD21	2	Hornyhead turbot	Liver	PCB 99	E	7.5	ug/kg	
SD21	2	Hornyhead turbot	Liver	Selenium		0.417	mg/kg	0.06
SD21	2	Hornyhead turbot	Liver	Silver		0.21	mg/kg	0.057
SD21	2	Hornyhead turbot	Liver	Tin		0.416	mg/kg	0.24
SD21	2	Ca. scorpionfish	Liver	Total DDT		954.5	ug/kg	
SD21	2	Hornyhead turbot	Liver	Total DDT		304	ug/kg	
SD21	2	Ca. scorpionfish	Liver	Total PCB		434.7	ug/kg	
SD21	2	Hornyhead turbot	Liver	Total PCB		132.8	ug/kg	
SD21	2	Hornyhead turbot	Liver	Total Solids		29.3	wt%	0.4
SD21	2	Hornyhead turbot	Liver	Zinc		57.4	mg/kg	0.049
SD21	3	Ca. scorpionfish	Liver	Alpha (cis) Chlordane	E	3.5	ug/kg	
SD21	3	Ca. scorpionfish	Liver	Aluminum		8.83	mg/kg	0.583
SD21	3	Ca. scorpionfish	Liver	Arsenic		0.724	mg/kg	0.375
SD21	3	Ca. scorpionfish	Liver	Barium		0.055	mg/kg	0.007
SD21	3	Ca. scorpionfish	Liver	Cadmium		3.62	mg/kg	0.029
SD21	3	Ca. scorpionfish	Liver	Chromium		0.423	mg/kg	0.08
SD21	3	Ca. scorpionfish	Liver	Copper		19.7	mg/kg	0.068
SD21	3	Ca. scorpionfish	Liver	Iron		241	mg/kg	0.096
SD21	3	Ca. scorpionfish	Liver	Lipids		19.1	wt%	0.005
SD21	3	Ca. scorpionfish	Liver	Manganese		0.667	mg/kg	0.007
SD21	3	Ca. scorpionfish	Liver	Mercury		0.232	mg/kg	0.03
SD21	3	Ca. scorpionfish	Liver	p,p-DDD	E	8.2	ug/kg	
SD21	3	Ca. scorpionfish	Liver	p,p-DDE		600	ug/kg	13.3
SD21	3	Ca. scorpionfish	Liver	p,-p-DDMU	E	7.6	ug/kg	
SD21	3	Ca. scorpionfish	Liver	p,p-DDT	E	4.6	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 101	E	11	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 105	E	6.5	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 110	E	6.7	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 118		22	ug/kg	13.3
SD21	3	Ca. scorpionfish	Liver	PCB 128	E	6.6	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 138		30	ug/kg	13.3
SD21	3	Ca. scorpionfish	Liver	PCB 149	E	6	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 151	E	4.1	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 153/168		48	ug/kg	13.3
SD21	3	Ca. scorpionfish	Liver	PCB 156	E	3.6	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 170	E	8	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 180		23	ug/kg	13.3
SD21	3	Ca. scorpionfish	Liver	PCB 183	E	6.4	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 187		23	ug/kg	13.3
SD21	3	Ca. scorpionfish	Liver	PCB 194	E	4.2	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 201	E	6.4	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 206	E	2.1	ug/kg	

Appendix D.3 *continued*

October 2004

Station	Rep	Species	Tissue	Parameter		Value	Units	MDL
SD21	3	Ca. scorpionfish	Liver	PCB 49	E	1.5	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 66	E	3.5	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 70	E	1.7	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 74	E	1.8	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 87	E	3.4	ug/kg	
SD21	3	Ca. scorpionfish	Liver	PCB 99	E	9.7	ug/kg	
SD21	3	Ca. scorpionfish	Liver	Selenium		0.873	mg/kg	0.06
SD21	3	Ca. scorpionfish	Liver	Silver		0.44	mg/kg	0.057
SD21	3	Ca. scorpionfish	Liver	Tin		0.649	mg/kg	0.24
SD21	3	Longfin sanddab	Liver	Total DDT		405.1	ug/kg	
SD21	3	Ca. scorpionfish	Liver	Total DDT		612.8	ug/kg	
SD21	3	Longfin sanddab	Liver	Total PCB		254.5	ug/kg	
SD21	3	Ca. scorpionfish	Liver	Total PCB		239.2	ug/kg	
SD21	3	Ca. scorpionfish	Liver	Total Solids		42.8	wt%	0.4
SD21	3	Ca. scorpionfish	Liver	Trans Nonachlor	E	11	ug/kg	
SD21	3	Ca. scorpionfish	Liver	Zinc		104	mg/kg	0.049