

## **APPENDIX M**

### **Summary of 1991 Data Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

**APPENDIX M**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
105.36.10	Klamath R/d/s Iron Gate Res	DC	W	09/19/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
105.50.35	Beaughton Cr/d/s HWY 97 Brg	BN	F	09/19/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
105.92.01	Lost R/Tule Lake	TC	W	09/20/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
105.92.01	Lost R/Tule Lake	TC	W	09/20/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
106.12.03	Trinity R/Willow Creek	SCP	F	09/16/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
106.13.06	Trinity R/d/s Burnt Ranch	RBT	F	09/17/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
106.40.16	Trinity R/East Fork	RBT	F	09/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
114.11.05	Russian R/Duncans Mills	PCP	W	07/17/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
201.12.01	Walker Creek	STG	W	07/16/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
204.30.11	Alameda Cr/Niles Canyon Rd	SCP	W	07/09/91	<5.0	<5.0	8.2	<5.0	<5.0	9.3	<5.0	<5.0	17.5	<10.0	<5.0

  

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Total Endo-sulfan	Endrin
105.36.10	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
105.50.35	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
105.92.01	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
105.92.01	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
106.12.03	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
106.13.06	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
106.40.16	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
114.11.05	<5.0	<10.0	<10.0	<10.0	16.0	<10.0	<10.0	<15.0	<30.0	16.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
201.12.01	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
204.30.11	<5.0	<10.0	<10.0	<10.0	10.0	<10.0	<10.0	<15.0	<30.0	10.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

  

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
105.36.10	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
105.50.35	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
105.92.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
105.92.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
106.12.03	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
106.13.06	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
106.40.16	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
114.11.05	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
201.12.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
204.30.11	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	21.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	17.5

NA Means that the sample was not analyzed for the chemical.  
 ND Means that the chemical was not detected.  
 < Means that the chemical was not detected above the indicated limit of detection.

F = Filet.  
 W = Whole Body.  
 Species codes are listed in Tables 2, 3, and 4.

**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
205.50.94	Stevens Creek	RBT	F	07/09/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
206.50.14	Napa R/Napa	HCH	F	07/11/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
207.10.90	Suisun Bay	WST	F	01/12/92	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
207.32.06	Walnut Creek	GSF	F	07/10/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
304.12.90	Schwann Lake	LMB	W	08/07/91	<5.0	<5.0	5.0	<5.0	<5.0	<5.0	6.1	<5.0	11.1	<10.0	<5.0
304.12.91	Neary's Lake	SSKR	F	08/06/91	<5.0	<5.0	42.0	<5.0	21.0	33.0	27.0	<5.0	123.0	<10.0	<5.0
304.13.90	Corcoran Lagoon	STG	F	08/07/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
304.13.91	Moran Lake	STB	W	08/06/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
304.13.92	Aptos Creek	PCP	W	08/07/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
307.00.01	Carmel Lagoon	STB	W	08/01/91	<5.0	<5.0	7.0	<5.0	<5.0	<5.0	<5.0	<5.0	7.0	<10.0	<5.0

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Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfate Sulfate	Total Endo-sulfan	Endrin
205.50.94	<5.0	<10.0	<10.0	<10.0	14.0	<10.0	<10.0	<15.0	<30.0	14.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
206.50.14	<5.0	<10.0	<10.0	<10.0	6.7	<10.0	<10.0	<15.0	<30.0	6.7	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
207.10.90	<5.0	<10.0	<10.0	<10.0	31.0	<10.0	<10.0	<15.0	<30.0	31.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
207.32.06	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
304.12.90	<5.0	<10.0	<10.0	<10.0	18.0	<10.0	<10.0	<15.0	<30.0	18.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
304.12.91	<5.0	<10.0	<10.0	<10.0	83.0	<10.0	<10.0	<15.0	<30.0	83.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
304.13.90	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
304.13.91	<5.0	<10.0	<10.0	<10.0	10.0	<10.0	<10.0	<15.0	<30.0	10.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
304.13.92	<5.0	<10.0	<10.0	<10.0	7.7	<10.0	<10.0	<15.0	<30.0	7.7	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
307.00.01	<5.0	<10.0	<10.0	<10.0	34.0	<10.0	<10.0	<15.0	<30.0	34.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
205.50.94	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
206.50.14	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
207.10.90	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
207.32.06	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
304.12.90	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	11.1
304.12.91	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	170.0	170.0	340.0	<100.0	123.0
304.13.90	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
304.13.91	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
304.13.92	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
307.00.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	7.0

NA Means that the sample was not analyzed for the chemical.  
 ND Means that the chemical was not detected.  
 < Means that the chemical was not detected above the indicated limit of detection.

F = Filet.  
 W = Whole Body.  
 Species codes are listed in Tables 2, 3, and 4.

**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
307.00.01	Carmel Lagoon	STB	W	08/01/91	<5.0	<5.0	5.2	<5.0	<5.0	<5.0	<5.0	<5.0	5.2	<10.0	<5.0
309.10.01	Roberts Lake	SP	F	08/01/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
309.10.09	Blanco Drain/Salinas R	STB	W	09/04/91	<5.0	<5.0	57.0	<5.0	20.0	26.0	51.0	14.0	168.0	16.0	110.0
309.10.09	Blanco Drain/Salinas R	STB	W	09/04/91	<5.0	<5.0	57.0	<5.0	20.0	23.0	39.0	13.0	152.0	19.0	98.0
309.50.01	El Estero	BG	F	08/02/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
402.10.02	Ventura River	CP	W	06/20/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
403.11.02	Rio de Santa Clara/Oxnard Drain	GAM	W	06/17/91	<5.0	<5.0	22.0	5.8	16.0	67.0	170.0	53.0	333.8	<10.0	15.0
403.12.06	Calleguas Creek	GF	F	06/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.9	<5.0	5.9	<10.0	30.0
403.12.07	Conejo Creek	GAM	W	06/19/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	37.0	13.0	50.0	<10.0	120.0
403.51.05	Santa Clara R/Valencia	AC	W	06/11/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfate Sulfate	Total Endo-sulfan	Endrin
307.00.01	<5.0	<10.0	<10.0	<10.0	29.0	<10.0	<10.0	<15.0	<30.0	29.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
309.10.01	<5.0	<10.0	<10.0	<10.0	14.0	<10.0	<10.0	<15.0	<30.0	14.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
309.10.09	1000.0	500.0	2300.0	79.0	7700.0	210.0	2000.0	230.0	<30.0	13019.0	<100.0	NA	84.0	<5.0	<70.0	<85.0	ND	74.0
309.10.09	1100.0	360.0	2400.0	69.0	7500.0	190.0	1600.0	180.0	<30.0	12299.0	<100.0	NA	120.0	<5.0	<70.0	<85.0	ND	66.0
309.50.01	<5.0	<10.0	<10.0	<10.0	13.0	<10.0	<10.0	<15.0	<30.0	13.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
402.10.02	<5.0	<10.0	<10.0	<10.0	8.4	<10.0	<10.0	<15.0	<30.0	8.4	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
403.11.02	67.0	121.0	1000.0	41.0	3400.0	72.0	1000.0	110.0	<30.0	5744.0	<100.0	NA	69.0	<5.0	<70.0	95.0	95.0	<15.0
403.12.06	<5.0	12.0	100.0	<10.0	950.0	20.0	88.0	<15.0	<30.0	1170.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
403.12.07	39.0	10.0	95.0	29.0	1700.0	56.0	480.0	52.0	<30.0	2422.0	<100.0	NA	64.0	<5.0	<70.0	210.0	210.0	<15.0
403.51.05	<5.0	<10.0	<10.0	<10.0	22.0	<10.0	<10.0	<15.0	<30.0	22.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
307.00.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	5.2
309.10.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
309.10.09	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	4.1	<15.0	<5.0	<10.0	<10.0	<50.0	570.0	280.0	850.0	6000.0	7242.0
309.10.09	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	4.3	<15.0	<5.0	<10.0	<10.0	<50.0	680.0	330.0	1010.0	4000.0	5318.0
309.50.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
402.10.02	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
403.11.02	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	800.0	58.0	858.0	1200.0	1695.8
403.12.06	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	440.0	445.9
403.12.07	<2.0	<10.0	<5.0	7.9	7.9	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	302.0	54.0	356.0	2000.0	2306.9
403.51.05	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	54.0	54.0	108.0	<100.0	ND

NA Means that the sample was not analyzed for the chemical.

ND Means that the chemical was not detected.

< Means that the chemical was not detected above the indicated limit of detection.

F = Filet.

W = Whole Body.

Species codes are listed in Tables 2, 3, and 4.

**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
403.64.02	Arroyo Conejo	GSF	F	06/19/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
403.67.04	Arroyo Simi	FHM	W	06/19/91	<5.0	<5.0	6.6	<5.0	<5.0	<5.0	11.0	<5.0	17.6	<10.0	11.0
404.21.01	Malibu Creek	BG	F	06/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
404.21.07	Malibou Lake	LMB	F	04/23/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
404.23.04	Lindero Lake	LMB	F	04/22/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
404.25.01	Westlake Lake	LMB	F	04/23/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	6.6	<5.0	6.6	<10.0	<5.0
404.26.00	Eleanor Lake	GF	F	04/22/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
404.26.01	Sherwood Lake	LMB	F	04/22/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.12.00	Alamitos Bay	CCB	F	06/12/91	<5.0	<5.0	<5.0	<5.0	5.9	<5.0	12.0	<5.0	17.9	<10.0	<5.0
405.12.90	Harbor Park Lake	CP	F	06/15/91	<5.0	9.4	93.0	13.0	70.0	53.0	120.0	12.0	370.4	<10.0	<5.0

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Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Total Endo-sulfan	Endrin
403.64.02	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
403.67.04	<5.0	<10.0	<10.0	<10.0	60.0	<10.0	<10.0	<15.0	<30.0	60.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
404.21.01	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
404.21.07	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
404.23.04	<5.0	<10.0	<10.0	<10.0	6.5	<10.0	<10.0	<15.0	<30.0	6.5	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
404.25.01	<5.0	<10.0	<10.0	<10.0	12.0	<10.0	<10.0	<15.0	<30.0	12.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
404.26.00	<5.0	<10.0	12.0	<10.0	23.0	<10.0	<10.0	<15.0	<30.0	35.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
404.26.01	<5.0	<10.0	11.0	<10.0	11.0	<10.0	<10.0	<15.0	<30.0	22.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.12.00	<5.0	<10.0	17.0	12.0	180.0	<10.0	<10.0	26.0	<30.0	235.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.12.90	15.0	17.0	140.0	23.0	260.0	<10.0	<10.0	52.0	<30.0	492.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
403.64.02	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
403.67.04	<2.0	<10.0	<5.0	7.4	7.4	<5.0	<5.0	<2.0	<15.0	37.0	<10.0	<10.0	<50.0	54.0	<50.0	54.0	<100.0	25.0
404.21.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
404.21.07	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	54.0	<50.0	54.0	<100.0	ND
404.23.04	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	17.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
404.25.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	6.6
404.26.00	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
404.26.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.12.00	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	180.0	99.0	279.0	<100.0	17.9
405.12.90	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	36.0	14.0	<10.0	150.0	230.0	220.0	600.0	<100.0	385.4

NA Means that the sample was not analyzed for the chemical.

ND Means that the chemical was not detected.

< Means that the chemical was not detected above the indicated limit of detection.

F = Filet.

W = Whole Body.

Species codes are listed in Tables 2, 3, and 4.

**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
405.15.02	El Dorado Park Lake	LMB	F	04/21/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.15.24	Echo Park Lake	LMB	F	04/19/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.15.97	Belvedere Park Lake	FHM	W	04/18/91	<5.0	5.3	55.0	9.8	31.0	<5.0	50.0	<5.0	151.1	<10.0	<5.0
405.15.97	Belvedere Park Lake	FHM	W	04/18/91	<5.0	<5.0	62.0	9.7	40.0	<5.0	50.0	<5.0	161.7	<10.0	<5.0
405.15.98	Hollenbeck Park Lake	PROI	W	04/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.15.99	Lincoln Park Lake	LMB	F	04/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.21.03	Calabasas Lake	LMB	F	04/20/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.21.16	Los Angeles R/Sepulveda Basin	GF	F	05/15/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.41.01	Legg Lake	LMB	F	04/17/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
405.41.08	Peck Road Lake	LMB	F	04/17/91	<5.0	<5.0	5.7	<5.0	<5.0	<5.0	8.4	<5.0	14.1	<10.0	<5.0

  

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfate Sulfate	Total Endo-sulfan	Endrin
405.15.02	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.15.24	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.15.97	26.0	<10.0	10.0	<10.0	58.0	<10.0	<10.0	<15.0	<30.0	68.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.15.97	28.0	<10.0	12.0	<10.0	58.0	<10.0	<10.0	<15.0	<30.0	70.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.15.98	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.15.99	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.21.03	<5.0	<10.0	<10.0	<10.0	28.0	<10.0	<10.0	<15.0	<30.0	28.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.21.16	<5.0	<10.0	<10.0	<10.0	9.1	<10.0	<10.0	<15.0	<30.0	9.1	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.41.01	<5.0	<10.0	<10.0	<10.0	5.1	<10.0	<10.0	<15.0	<30.0	5.1	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
405.41.08	<5.0	<10.0	<10.0	<10.0	28.0	<10.0	11.0	<15.0	<30.0	39.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

  

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
405.15.02	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.15.24	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.15.97	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	7.6	<10.0	<10.0	<50.0	64.0	94.0	158.0	<100.0	177.1
405.15.97	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	8.4	<10.0	<10.0	<50.0	62.0	73.0	135.0	<100.0	189.7
405.15.98	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.15.99	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.21.03	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.21.16	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.41.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
405.41.08	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	7.7	12.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	14.1

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NA Means that the sample was not analyzed for the chemical.  
 ND Means that the chemical was not detected.  
 < Means that the chemical was not detected above the indicated limit of detection.

F = Filet.  
 W = Whole Body.  
 Species codes are listed in Tables 2, 3, and 4.

**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
405.52.01	Puddingstone Res	LMB	F	06/11/91	<5.0	<5.0	6.1	<5.0	<5.0	<5.0	10.0	<5.0	16.1	<10.0	13.0
603.20.24	Bishop Creek Canal/d/s Bishop	BN	F	07/23/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
633.10.03	Carson R/W.F./d/s Paynesville	BN	F	09/27/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
635.20.04	Donner Lake	KOK	F	10/23/91	<5.0	<5.0	<5.0	<5.0	<5.0	10.0	8.4	7.8	26.2	<10.0	<5.0
635.20.28	Squaw Creek	BN	F	10/22/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
713.30.90	Colorado R/Needles	CP	F	08/20/91	<5.0	<5.0	7.7	<5.0	6.0	<5.0	8.3	<5.0	22.0	<10.0	<5.0
715.40.08	Palo Verde Outfall Drain	CP	F	08/19/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	92.0	<5.0
715.50.90	Colorado R/u/s Imperial Dam	LMB	F	08/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
723.10.02	New R/Westmorland	CCF	F	08/15/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	27.0	<5.0
723.10.02	New R/Westmorland	SST	F	08/15/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0

  

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Total Endo-sulfan	Endrin
405.52.01	<5.0	<10.0	<10.0	<10.0	25.0	<10.0	<10.0	<15.0	<30.0	25.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
603.20.24	<5.0	<10.0	<10.0	<10.0	16.0	<10.0	<10.0	<15.0	<30.0	16.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
633.10.03	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
635.20.04	<5.0	<10.0	<10.0	<10.0	23.0	<10.0	<10.0	<15.0	<30.0	23.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
635.20.28	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
713.30.90	<5.0	<10.0	<10.0	<10.0	37.0	<10.0	<10.0	<15.0	<30.0	37.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
715.40.08	<5.0	<10.0	26.0	<10.0	200.0	<10.0	<10.0	<15.0	<30.0	226.0	<100.0	NA	<50.0	42.0	<70.0	<85.0	42.0	<15.0
715.50.90	<5.0	<10.0	<10.0	<10.0	27.0	<10.0	<10.0	<15.0	<30.0	27.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
723.10.02	7.0	<10.0	<10.0	<10.0	510.0	<10.0	<10.0	<15.0	<30.0	510.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
723.10.02	<5.0	<10.0	<10.0	<10.0	68.0	<10.0	<10.0	<15.0	<30.0	68.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

  

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
405.52.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	16.0	<10.0	<10.0	<50.0	<50.0	54.0	54.0	<100.0	16.1
603.20.24	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
633.10.03	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
635.20.04	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	100.0	65.0	165.0	<100.0	26.2
635.20.28	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
713.30.90	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	22.0
715.40.08	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	130.0	172.0
715.50.90	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
723.10.02	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	4.3	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	64.0	64.0	300.0	307.0
723.10.02	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND

NA Means that the sample was not analyzed for the chemical.  
 ND Means that the chemical was not detected.  
 < Means that the chemical was not detected above the indicated limit of detection.

F = Filet.  
 W = Whole Body.  
 Species codes are listed in Tables 2, 3, and 4.

M-7

**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
723.10.15	Mayflower Drain	GAM	W	08/16/91	<5.0	<5.0	<5.0	<5.0	<5.0	9.3	<5.0	<5.0	9.3	53.0	12.0
723.10.20	Rose Drain	GAM	W	08/17/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	390.0
723.10.22	Orange Drain	GAM	W	08/17/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	95.0
723.10.58	New R/Inter Boundary	CP	F	12/18/91	<5.0	<5.0	44.0	<5.0	45.0	14.0	<5.0	<5.0	103.0	16.0	57.0
723.10.91	Fig Drain	MOL	W	08/17/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
727.00.03	Reservation Main Drain	TLZ	F	08/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
728.00.90	Salton Sea/South	ORC	F	05/15/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	21.0
728.00.92	Salton Sea/North	ORC	F	05/30/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	30.0
728.00.92	Salton Sea/North	ORC	F	05/30/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	32.0
728.00.92	Salton Sea/North	SAR	F	05/30/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	30.0

  

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfate Sulfate	Total Endo-sulfan	Endrin
723.10.15	16.0	28.0	100.0	<10.0	1500.0	<10.0	82.0	<15.0	<30.0	1710.0	<100.0	NA	<50.0	11.0	<70.0	200.0	211.0	<15.0
723.10.20	39.0	<10.0	59.0	<10.0	400.0	<10.0	25.0	<15.0	<30.0	484.0	<100.0	NA	<50.0	10.0	<70.0	100.0	110.0	<15.0
723.10.22	47.0	<10.0	30.0	<10.0	910.0	<10.0	35.0	<15.0	<30.0	975.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
723.10.58	11.0	60.0	260.0	<10.0	300.0	<10.0	<10.0	<15.0	<30.0	620.0	<100.0	NA	95.0	17.0	<70.0	<85.0	17.0	<15.0
723.10.91	10.0	<10.0	<10.0	<10.0	100.0	<10.0	<10.0	<15.0	<30.0	100.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
727.00.03	<5.0	<10.0	<10.0	<10.0	8.2	<10.0	<10.0	<15.0	<30.0	8.2	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
728.00.90	<5.0	<10.0	<10.0	<10.0	52.0	<10.0	<10.0	<15.0	<30.0	52.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
728.00.92	<5.0	<10.0	<10.0	<10.0	63.0	<10.0	<10.0	<15.0	<30.0	63.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
728.00.92	<5.0	<10.0	<10.0	<10.0	81.0	<10.0	<10.0	<15.0	<30.0	81.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
728.00.92	7.1	<10.0	12.0	<10.0	140.0	<10.0	<10.0	<15.0	<30.0	152.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

  

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
723.10.15	<2.0	<10.0	<5.0	4.3	4.3	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	400.0	640.6
723.10.20	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	149.0
723.10.22	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	230.0	277.0
723.10.58	<2.0	<10.0	<5.0	9.5	9.5	<5.0	<5.0	7.6	<15.0	<5.0	<10.0	<10.0	<50.0	88.0	88.0	176.0	<100.0	140.5
723.10.91	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	10.0
727.00.03	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
728.00.90	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
728.00.92	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
728.00.92	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
728.00.92	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	7.1

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NA Means that the sample was not analyzed for the chemical.  
 ND Means that the chemical was not detected.  
 < Means that the chemical was not detected above the indicated limit of detection.

F = Filet.  
 W = Whole Body.  
 Species codes are listed in Tables 2, 3, and 4.



**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
728.00.92	Salton Sea/North	ORC	F	06/18/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	12.0
801.11.00	Huntington Harbour/Anaheim Bay	WCK	F	11/21/91	<5.0	<5.0	10.0	<5.0	6.8	11.0	15.0	<5.0	42.8	<10.0	<5.0
801.11.07	San Diego Cr/Michelson Dr	PRS	W	05/16/91	<5.0	<5.0	15.0	<5.0	9.2	8.4	18.0	<5.0	50.6	<10.0	120.0
801.11.07	San Diego Cr/Michelson Dr	PRS	W	05/16/91	<5.0	<5.0	14.0	<5.0	9.3	8.2	20.0	<5.0	51.5	<10.0	120.0
801.11.09	San Diego Cr/Barranca Pkwy	PRS	W	05/16/91	<5.0	<5.0	12.0	<5.0	7.8	<5.0	13.0	<5.0	32.8	<10.0	100.0
801.11.16	El Modena Ch/u/s Walnut Ave Brg	PRS	W	05/16/91	<5.0	<5.0	40.0	<5.0	22.0	<5.0	85.0	10.0	157.0	18.0	550.0
801.11.96	Peters Canyon Channel	PRS	W	05/16/91	<5.0	<5.0	28.0	<5.0	16.0	27.0	28.0	10.0	109.0	16.0	670.0
801.11.97	Newport Bay	SSB	F	06/20/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.4	<5.0	5.4	<10.0	<5.0
801.25.00	Santa Ana R/Prado Dam	LMB	F	05/14/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
801.25.00	Santa Ana R/Prado Dam	PROI	W	05/14/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0

6-W

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Total Endo-sulfan	Endrin
728.00.92	<5.0	<10.0	<10.0	<10.0	88.0	<10.0	<10.0	<15.0	<30.0	88.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
801.11.00	<5.0	<10.0	28.0	<10.0	340.0	<10.0	<10.0	<15.0	<30.0	368.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
801.11.07	9.5	12.0	92.0	<10.0	500.0	17.0	36.0	19.0	<30.0	676.0	<100.0	NA	260.0	<5.0	<70.0	<85.0	ND	<15.0
801.11.07	8.9	12.0	95.0	<10.0	490.0	17.0	32.0	21.0	<30.0	667.0	<100.0	NA	180.0	<5.0	<70.0	<85.0	ND	<15.0
801.11.09	9.5	10.0	77.0	<10.0	600.0	15.0	34.0	18.0	<30.0	754.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
801.11.16	15.0	41.0	170.0	32.0	3200.0	190.0	280.0	73.0	<30.0	3986.0	<100.0	NA	<50.0	5.6	<70.0	<85.0	5.6	<15.0
801.11.96	18.0	31.0	160.0	20.0	1600.0	73.0	250.0	45.0	<30.0	2179.0	<100.0	NA	180.0	<5.0	<70.0	<85.0	ND	<15.0
801.11.97	<5.0	<10.0	12.0	<10.0	98.0	<10.0	<10.0	<15.0	<30.0	110.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
801.25.00	<5.0	<10.0	<10.0	<10.0	15.0	<10.0	<10.0	<15.0	<30.0	15.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
801.25.00	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
728.00.92	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
801.11.00	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	120.0	140.0	260.0	<100.0	42.8
801.11.07	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	2.1	<15.0	240.0	<10.0	<10.0	<50.0	120.0	66.0	186.0	160.0	220.1
801.11.07	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	240.0	<10.0	<10.0	<50.0	140.0	79.0	219.0	130.0	190.4
801.11.09	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	350.0	<10.0	<10.0	<50.0	100.0	54.0	154.0	180.0	222.3
801.11.16	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	8.2	<15.0	250.0	<10.0	<10.0	<50.0	280.0	82.0	362.0	500.0	677.6
801.11.96	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	2.3	<15.0	330.0	<10.0	<10.0	<50.0	<50.0	64.0	64.0	550.0	677.0
801.11.97	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	78.0	57.0	135.0	<100.0	5.4
801.25.00	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
801.25.00	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND

NA Means that the sample was not analyzed for the chemical.

ND Means that the chemical was not detected.

< Means that the chemical was not detected above the indicated limit of detection.

F = Filet.

W = Whole Body.

Species codes are listed in Tables 2, 3, and 4.

**APPENDIX M (continued)**  
**Toxic Substances Monitoring Program**  
**Summary of 1991 Data: Organic Chemicals in Fish, Crayfish, and Turtles (ppb, wet weight)**

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
902.22.03	Rainbow Creek	BLB	F	06/14/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
902.22.04	Santa Margarita R/Willow Glen Rd	GSF	F	06/14/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
903.11.05	San Luis Rey R/Foussat Rd	LMB	F	06/13/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
903.11.11	San Luis Rey R/HWY 76	LMB	F	06/13/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
903.12.06	Keys Creek	GSF	F	06/13/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
903.12.07	San Luis Rey R/HWY 15	LMB	F	06/13/91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<10.0	<5.0
908.22.01	Chollas Creek/Main Street	LJM	W	06/14/91	<5.0	<5.0	6.0	<5.0	<5.0	10.0	10.0	<5.0	26.0	<10.0	<5.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	DBP	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Total Endo-sulfan	Endrin
902.22.03	<5.0	<10.0	<10.0	<10.0	13.0	<10.0	<10.0	<15.0	<30.0	13.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
902.22.04	<5.0	<10.0	<10.0	<10.0	7.0	<10.0	<10.0	<15.0	<30.0	7.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
903.11.05	<5.0	<10.0	<10.0	<10.0	34.0	<10.0	<10.0	<15.0	<30.0	34.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
903.11.11	<5.0	<10.0	<10.0	<10.0	12.0	<10.0	<10.0	<15.0	<30.0	12.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
903.12.06	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
903.12.07	<5.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<15.0	<30.0	ND	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0
908.22.01	<5.0	<10.0	13.0	<10.0	24.0	<10.0	<10.0	<15.0	<30.0	37.0	<100.0	NA	<50.0	<5.0	<70.0	<85.0	ND	<15.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
902.22.03	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	530.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
902.22.04	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
903.11.05	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
903.11.11	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
903.12.06	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
903.12.07	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	<50.0	<50.0	ND	<100.0	ND
908.22.01	<2.0	<10.0	<5.0	<2.0	ND	<5.0	<5.0	<2.0	<15.0	<5.0	<10.0	<10.0	<50.0	96.0	60.0	156.0	<100.0	26.0

NA Means that the sample was not analyzed for the chemical.  
 ND Means that the chemical was not detected.  
 < Means that the chemical was not detected above the indicated limit of detection.

F = Filet.  
 W = Whole Body.  
 Species codes are listed in Tables 2, 3, and 4.