

## **APPENDIX P**

### **Summary of 1987-93 Data Organic Chemicals in Mussels and Clams (ppb, lipid weight)**

(See Appendix DD for corrected phenol data from 1984-85 and 1986-87)

## APPENDIX P

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	ND	ND	151.7	ND	165.3	ND	199.2	ND	516.7	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	ND	118.2	ND	63.6	18.2	54.5	ND	254.5	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	ND	ND	ND	52.3	ND	ND	ND	ND	ND	52.3	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	03/12/92	ND	NA	ND	240.0	ND	190.0	ND	180.0	ND	610.0	ND	ND	NA
3.0	Crescent City/Control	RCM	02/12/88	ND	ND	ND	29.9	ND	ND	ND	ND	ND	29.9	ND	ND	ND
3.0	Crescent City/Control	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	37.5	ND	ND	ND	ND	ND	37.5	ND	ND	ND
3.0	Crescent City/Control	RCM	02/27/90	ND	ND	ND	57.3	ND	ND	ND	ND	ND	57.3	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
2.0	ND	67.9	ND	271.6	ND	565.9	ND	ND	982.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	117.7
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	129.4	30.6	NA	NA	30.6	ND	ND	ND
2.0	ND	90.9	ND	263.6	ND	100.0	ND	ND	454.5	ND	ND	63.6	ND	NA	NA	ND	ND	ND	45.5
2.0	ND	ND	ND	237.8	ND	ND	ND	ND	237.8	ND	ND	148.9	ND	ND	ND	ND	ND	ND	ND
2.0	ND	ND	ND	1000.0	ND	140.0	ND	ND	1140.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	36.0
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86.8	ND	ND	ND	ND	ND	ND	80.8
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	128.3	ND	NA	NA	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.5	ND	NA	NA	ND	ND	ND	87.5
3.0	ND	ND	ND	260.7	ND	ND	ND	ND	260.7	ND	ND	122.5	ND	NA	NA	ND	ND	ND	104.3
3.0	ND	ND	ND	120.0	ND	ND	ND	ND	120.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	68.0

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
2.0	ND	ND	117.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	18.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	290.9	ND	NA	290.9	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA
2.0	ND	ND	14.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	840.0	ND	ND	840.0	NA	ND	NA
3.0	104.8	ND	38.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	25.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
3.0	ND	ND	28.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- inon
10.0	Trinidad Head	RCM	09/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/20/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	ND	ND	ND	59.7	ND	ND	ND	ND	ND	59.7	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	ND	NA	ND	85.0	ND	60.0	ND	19.0	ND	164.0	ND	ND	NA
10.0	Trinidad Head	RCM	10/22/92	ND	NA	ND	40.0	ND	ND	ND	ND	ND	40.0	ND	ND	NA
99.0	Mad River/Oyster Docks	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	TCM	02/12/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/27/91	ND	ND	ND	32.4	ND	ND	ND	ND	ND	32.4	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.7	ND	NA	NA	ND	ND	ND	149.0
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.8	ND	NA	NA	ND	ND	ND	100.0
10.0	ND	ND	ND	254.4	ND	ND	ND	ND	254.4	ND	ND	50.2	ND	ND	ND	ND	ND	ND	304.6
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	54.0	ND	ND	ND	ND	ND	ND	130.0
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	41.0	ND	ND	ND	ND	ND	ND	84.0
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.6	ND	NA	NA	ND	ND	ND	55.7
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.9	ND	NA	NA	ND	ND	ND	ND

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
10.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	716.0
10.0	63.8	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
10.0	81.2	ND	18.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.1	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	31.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
10.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102.0	ND	ND	ND	ND	ND	ND	ND	NA

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## APPENDIX P (continued)

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Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
100.0	Mad River Slough	TCM	02/25/92	ND	NA	ND	41.0	ND	ND	ND	ND	ND	41.0	ND	ND	NA
101.0	Samoa Bridge/West	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	Samoa Bridge/West	TCM	02/27/91	ND	ND	ND	28.2	ND	ND	ND	ND	ND	28.2	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/27/91	ND	ND	ND	41.0	ND	ND	ND	ND	ND	41.0	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/25/92	ND	NA	ND	36.0	ND	23.0	ND	17.0	ND	76.0	ND	ND	NA
102.5	Woodley Island	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	Eureka Channel	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103.0	Eureka Channel	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103.0	Eureka Channel	TCM	02/25/92	ND	NA	ND	19.0	ND	ND	ND	ND	ND	19.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
100.0	ND	ND	ND	41.0	ND	ND	ND	ND	41.0	ND	NA	79.0	ND	ND	ND	ND	ND	ND	27.0
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.2	ND	NA	NA	ND	ND	ND	47.9
102.0	ND	ND	ND	81.4	ND	ND	ND	ND	81.4	ND	ND	76.7	ND	NA	NA	ND	ND	ND	67.4
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	69.7
102.0	ND	ND	ND	130.0	ND	ND	ND	ND	130.0	ND	NA	72.0	ND	ND	ND	ND	ND	ND	25.0
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	81.6	ND	ND	ND	ND	81.6	ND	ND	43.8	ND	NA	NA	ND	ND	ND	63.7
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	34.3
103.0	ND	ND	ND	69.0	ND	ND	ND	ND	69.0	ND	NA	43.0	ND	ND	ND	ND	ND	ND	20.0

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
100.0	ND	ND	12.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	150.0	ND	ND	150.0	NA	ND	NA
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.6	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	604.5	ND	NA	604.5	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	12.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	520.0	ND	ND	520.0	NA	ND	NA
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17130.0
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	517.2	ND	NA	517.2	ND	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	360.0	ND	ND	360.0	NA	ND	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- inon
103.0	Eureka Channel	TCM	02/17/93	ND	NA	ND	17.0	ND	16.0	ND	ND	ND	33.0	ND	ND	NA
103.2	Louisiana Pacific Dock	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	E Street	TCM	02/27/91	ND	ND	ND	26.9	ND	ND	ND	ND	ND	26.9	ND	ND	ND
103.3	E Street	TCM	02/25/92	ND	NA	ND	40.0	ND	31.0	ND	ND	ND	71.0	ND	ND	NA
103.7	Eda Dock	TCM	02/27/91	ND	ND	ND	30.0	ND	27.2	ND	ND	ND	57.2	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/11/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	ND	NA	ND	16.0	ND	14.0	ND	ND	ND	30.0	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/12/88	ND	ND	ND	25.1	ND	ND	ND	ND	ND	25.1	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
103.0	ND	ND	ND	48.0	ND	ND	ND	ND	48.0	ND	NA	42.0	ND	ND	ND	ND	ND	ND	ND
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	91.6	ND	ND	ND	ND	91.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	37.7
103.3	ND	ND	ND	210.0	ND	ND	ND	ND	210.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	22.0
103.7	ND	ND	ND	149.8	ND	ND	ND	ND	149.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	65.4
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	25.5	ND	NA	NA	ND	ND	NA	ND
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.3	ND	NA	NA	ND	ND	ND	44.4
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	68.0
104.0	ND	ND	ND	71.0	ND	ND	ND	ND	71.0	ND	NA	57.0	ND	ND	ND	ND	ND	ND	27.0
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	42.7	ND	ND	ND	ND	ND	ND	98.0

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1427.6	ND	ND	1427.6	ND	ND	NA
103.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4000.0	ND	ND	4000.0	NA	ND	NA
103.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	ND	ND	14.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	160.0	ND	ND	160.0	NA	ND	NA
104.5	ND	ND	25.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
104.5	Eureka STP/Control	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	ND	NA	ND	29.0	ND	ND	ND	ND	ND	29.0	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/17/93	ND	NA	ND	19.0	ND	ND	ND	ND	ND	19.0	ND	ND	NA
106.0	Fields Landing	TCM	02/27/91	ND	ND	ND	29.5	ND	21.1	ND	ND	ND	50.5	ND	ND	ND
155.1	Lake Pillsbury 1	TFC	03/31/93	ND	NA	ND	29.0	ND	15.0	21.0	34.0	15.0	114.0	ND	ND	NA
155.3	Lake Pillsbury 2	TFC	03/31/93	ND	NA	ND	25.0	ND	15.0	19.0	11.0	27.0	97.0	ND	ND	NA
159.0	Russian River West Fork	TFC	03/06/92	ND	NA	ND	28.0	69.0	41.0	47.0	50.0	21.0	256.0	85.0	ND	NA
159.0	Russian River West Fork	TFC	03/30/93	ND	NA	ND	24.0	ND	15.0	17.0	11.0	ND	67.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
104.5	ND	ND	ND	79.1	ND	ND	ND	ND	79.1	ND	ND	21.8	ND	NA	NA	ND	ND	ND	63.3
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.3	ND	NA	NA	ND	ND	ND	36.4
104.5	ND	ND	ND	65.5	ND	ND	ND	ND	65.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	50.2
104.5	ND	ND	ND	91.0	ND	ND	ND	ND	91.0	ND	NA	75.0	ND	ND	ND	ND	ND	ND	36.0
104.5	ND	ND	ND	83.0	ND	ND	ND	ND	83.0	ND	NA	62.0	ND	ND	ND	ND	ND	ND	22.0
106.0	ND	ND	ND	273.7	ND	ND	ND	ND	273.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	71.6
155.1	30.0	99.0	53.0	730.0	ND	ND	ND	ND	912.0	ND	NA	ND	ND	39.0	ND	39.0	ND	ND	ND
155.3	ND	97.0	46.0	650.0	ND	ND	ND	40.0	833.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
159.0	ND	61.0	54.0	1800.0	ND	78.0	ND	ND	1993.0	ND	NA	ND	26.0	77.0	180.0	283.0	ND	ND	ND
159.0	ND	74.0	38.0	550.0	ND	32.0	ND	36.0	730.0	ND	NA	ND	7.0	ND	ND	7.0	ND	ND	ND

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	197.8	ND	NA	197.8	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.5	ND	ND	19.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
104.5	ND	ND	24.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.5	ND	ND	ND	ND	ND	ND	ND	ND	NA
155.1	ND	ND	41.0	ND	ND	4.2	ND	NA	NA	ND	NA	ND	870.0	ND	ND	870.0	NA	ND	NA
155.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	650.0	ND	ND	650.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1400.0	4100.0	ND	5500.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	530.0	ND	ND	530.0	NA	ND	NA

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TFC = Transplanted Fresh Water Clam  
RFC = Resident Fresh Water Clam  
SED = Sediment

NA = Not Analyzed  
ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	13.6	ND	ND	ND	ND	ND	13.6	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	112.1	ND	120.7	181.0	129.3	ND	543.1	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	ND	NA	ND	120.0	ND	77.0	160.0	240.0	ND	597.0	ND	ND	NA
165.0	Russian River Below Ukiah	TFC	03/30/93	6.0	NA	4.8	60.0	9.6	66.0	17.0	36.0	ND	193.4	300.0	ND	NA
175.0	Big Sulfur Creek	TFC	03/30/93	ND	NA	ND	36.0	ND	41.0	28.0	39.0	ND	144.0	ND	ND	NA
176.0	Lake Sonoma	TFC	03/30/93	ND	NA	ND	25.0	ND	21.0	23.0	11.0	11.0	91.0	ND	26.0	NA
190.0	Estero Americano	RCM	12/05/88	ND	ND	ND	34.0	ND	28.4	ND	ND	ND	62.4	ND	ND	ND
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	75.0	ND	37.5	ND	37.5	25.0	175.0	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	ND	ND	ND	40.0	ND	28.6	ND	ND	ND	68.6	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	NA	ND	51.0	ND	35.0	ND	42.0	45.0	173.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	
160.0	ND	113.1	ND	131.2	ND	176.5	ND	ND	420.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	103.4	ND	1034.5	ND	405.2	ND	ND	1543.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	1600.0	110.0	250.0	ND	ND	1960.0	ND	NA	ND	24.0	75.0	190.0	289.0	ND	ND	ND	ND
165.0	ND	86.0	37.0	650.0	41.0	170.0	ND	50.0	1034.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	110.0	62.0	820.0	ND	ND	ND	62.0	1054.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
176.0	ND	83.0	45.0	650.0	ND	ND	ND	ND	778.0	ND	NA	11.0	ND	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	133.3	45.4	NA	NA	45.4	ND	ND	ND	175.8
190.0	ND	ND	ND	137.5	ND	ND	ND	ND	137.5	ND	ND	162.5	ND	NA	NA	ND	ND	ND	ND	75.0
190.0	ND	ND	ND	88.6	ND	ND	ND	ND	88.6	ND	ND	142.9	ND	ND	ND	ND	ND	ND	ND	137.1
190.0	ND	ND	ND	250.0	ND	ND	ND	ND	250.0	ND	NA	190.0	ND	ND	ND	ND	ND	ND	ND	78.0

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1206.9	267.2	NA	1474.1	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	930.0	1600.0	ND	2530.0	NA	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	280.0	510.0	ND	ND	790.0	NA	ND	NA
175.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1000.0	ND	ND	1000.0	NA	ND	NA
176.0	ND	ND	33.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	730.0	ND	ND	730.0	NA	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	75.0	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
190.0	ND	ND	20.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA

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 SED = Sediment

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben-side	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	Diaz-inon
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	56.6	ND	ND	ND	ND	ND	56.6	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	40.0	ND	40.0	ND	ND	ND	ND	ND	40.0	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	39.6	ND	ND	ND	ND	ND	39.6	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	ND	ND	ND	177.6	ND	65.6	ND	ND	ND	243.3	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	ND	NA	ND	69.0	ND	42.0	ND	ND	ND	111.0	ND	ND	NA
202.0	Bodega Head	RCM	09/01/92	ND	NA	ND	ND	ND	33.0	ND	ND	ND	33.0	ND	ND	NA
203.0	Tomales Bay	RBM	01/29/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	12/30/91	ND	NA	ND	24.0	ND	ND	ND	21.0	ND	45.0	ND	ND	NA
204.0	Estero De San Antonio	TCM	02/26/93	ND	NA	ND	160.0	ND	76.0	ND	46.0	ND	282.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
202.0	ND	ND	ND	93.4	ND	ND	ND	ND	92.8	ND	ND	195.3	ND	ND	ND	ND	ND	ND	101.9
202.0	ND	ND	ND	138.0	ND	ND	ND	ND	138.0	ND	ND	270.5	ND	ND	ND	ND	ND	ND	183.9
202.0	ND	ND	ND	360.0	ND	ND	ND	ND	360.0	ND	ND	120.0	ND	ND	ND	ND	ND	ND	140.0
202.0	ND	ND	ND	158.4	ND	ND	ND	ND	158.4	ND	ND	118.8	ND	ND	ND	ND	ND	ND	59.4
202.0	ND	ND	ND	463.3	ND	ND	ND	ND	463.3	ND	ND	501.9	ND	ND	ND	ND	ND	ND	127.4
202.0	ND	ND	ND	230.0	ND	ND	ND	ND	230.0	ND	NA	290.0	ND	ND	ND	ND	ND	ND	390.0
202.0	ND	ND	ND	150.0	ND	ND	ND	ND	150.0	ND	NA	380.0	ND	ND	ND	ND	ND	ND	100.0
203.0	ND	ND	ND	131.6	ND	ND	ND	ND	131.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	200.0	ND	ND	ND	ND	200.0	ND	NA	16.0	ND	ND	ND	ND	ND	ND	30.0
204.0	ND	ND	ND	240.0	ND	ND	ND	ND	240.0	ND	NA	370.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	439.0
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	32.8	ND	ND	ND	NA	ND	ND	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	60.0	ND	ND	ND	NA	ND	ND	ND	8896.0
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.5	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	30.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	57.0	32.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
203.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
203.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	ND	NA
204.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1100.0	ND	ND	1100.0	NA	ND	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	ND	ND	ND	ND	ND	ND	ND	17.6	ND	17.6	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	ND	NA	ND	ND	ND	34.0	ND	35.0	ND	69.0	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	ND	NA	ND	26.0	ND	15.0	ND	16.0	ND	57.0	ND	ND	NA
207.0	Point Reyes	RCM	01/29/91	ND	ND	ND	77.4	ND	48.7	ND	ND	ND	126.1	ND	ND	ND
280.0	Russian River/S Goat Rock	TCM	02/25/93	ND	NA	ND	110.0	ND	67.0	ND	51.0	44.0	272.0	ND	ND	NA
290.0	Russian River/near Moscow	TFC	03/30/93	ND	NA	ND	41.0	ND	33.0	27.0	32.0	7.4	140.4	130.0	39.0	NA
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	NA	ND	250.0	40.0	150.0	96.0	370.0	25.0	931.0	88.0	ND	NA
294.5	Green Valley Creek 1	TFC	03/30/93	ND	NA	ND	28.0	ND	28.0	24.0	23.0	ND	103.0	210.0	ND	NA
294.6	Green Valley Creek 2	TFC	03/30/93	ND	NA	ND	62.0	ND	40.0	36.0	38.0	37.0	213.0	2000.0	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
205.0	ND	ND	ND	204.3	ND	ND	ND	ND	204.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	15.7
205.0	ND	ND	ND	193.3	ND	ND	ND	ND	193.3	ND	ND	19.3	ND	NA	NA	ND	ND	ND	ND
205.0	ND	ND	58.0	330.0	ND	ND	ND	ND	388.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	25.0
205.0	ND	ND	ND	220.0	ND	ND	ND	ND	220.0	ND	NA	54.0	ND	ND	ND	ND	ND	ND	ND
207.0	ND	ND	ND	186.3	ND	ND	ND	ND	186.3	ND	ND	344.0	ND	NA	NA	ND	ND	ND	65.9
280.0	ND	84.0	ND	580.0	ND	180.0	ND	ND	844.0	ND	NA	190.0	ND	ND	ND	ND	ND	ND	42.0
290.0	39.0	97.0	51.0	720.0	ND	41.0	ND	51.0	999.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.2	250.0	310.0	ND	1300.0	130.0	1300.0	ND	ND	3290.0	ND	NA	46.0	ND	ND	200.0	200.0	ND	ND	ND
294.5	ND	82.0	59.0	790.0	ND	ND	ND	51.0	982.0	200.0	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.6	700.0	570.0	110.0	2200.0	180.0	940.0	ND	120.0	4820.0	ND	NA	57.0	ND	ND	22.0	22.0	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2357.1	ND	NA	2357.1	ND	ND	NA
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1089.3	ND	ND	1089.3	ND	ND	14583.2
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	88.0	NA	ND	2400.0	ND	ND	2400.0	NA	ND	2400.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1400.0	ND	ND	1400.0	NA	ND	4000.0
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
280.0	25.0	ND	ND	ND	44.0	ND	ND	NA	NA	ND	NA	ND	680.0	ND	ND	680.0	NA	ND	NA
290.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	130.0	NA	ND	750.0	ND	ND	750.0	NA	ND	NA
294.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	1300.0	NA	ND	1300.0	ND	ND	1300.0	NA	ND	NA
294.5	ND	ND	25.0	ND	12.0	ND	ND	NA	NA	ND	NA	ND	780.0	ND	ND	780.0	NA	ND	NA
294.6	ND	9.5	38.0	ND	ND	5.4	ND	NA	NA	120.0	NA	270.0	780.0	ND	ND	1000.0	NA	ND	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	ND	ND	43.2	1227.4	ND	725.3	543.9	1673.7	ND	4213.5	697.4	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	30.6	571.4	51.0	561.2	367.3	367.3	30.6	1979.6	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	ND	ND	42.0	508.4	66.3	375.8	265.3	530.5	22.1	1810.4	58.6	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	ND	ND	40.0	360.0	ND	173.3	100.0	306.7	ND	980.0	253.3	ND	933.3
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	41.7	183.3	41.7	183.3	141.7	158.3	ND	750.0	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	ND	ND	12.1	132.1	11.0	100.2	76.0	121.1	ND	452.5	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	ND	ND	24.3	265.9	ND	242.8	ND	393.1	ND	926.2	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	43.5	ND	43.5	58.0	115.9	ND	260.9	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	NA	ND	39.0	ND	30.0	29.0	85.0	ND	183.0	67.0	ND	NA
295.4	Russian River/Wholer Bridge	TFC	12/05/88	ND	ND	ND	48.2	ND	27.6	ND	71.6	ND	147.4	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
295.1	ND	ND	ND	725.3	ND	ND	ND	ND	725.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.1	ND	357.1	ND	622.4	ND	704.1	ND	ND	1683.7	ND	ND	71.4	ND	ND	ND	ND	ND	ND	ND
295.1	71.8	187.9	ND	386.8	ND	132.6	ND	ND	779.2	ND	ND	33.2	ND	NA	NA	ND	ND	ND	ND
295.2	ND	386.7	ND	266.7	ND	ND	ND	ND	653.3	ND	ND	16.0	ND	NA	NA	ND	ND	ND	ND
295.2	ND	75.0	ND	625.0	ND	100.0	ND	ND	800.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	82.6	ND	352.3	ND	78.2	ND	ND	513.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	ND	ND	716.9	ND	185.0	ND	ND	901.9	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	87.0	ND	1072.5	ND	304.3	ND	ND	1463.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	1100.0	ND	ND	ND	ND	1100.0	ND	NA	29.0	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	606.2	ND	ND	ND	ND	606.2	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2371.1	ND	NA	2371.1	ND	ND	NA
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1122.4	ND	NA	1122.4	ND	ND	NA
295.1	ND	ND	ND	16.6	18.8	23.2	ND	ND	ND	NA	NA	ND	1326.3	ND	NA	1326.3	ND	ND	NA
295.2	ND	81.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	666.7	ND	NA	666.7	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	775.0	ND	NA	775.0	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	594.5	NA	ND	715.7	ND	NA	715.7	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	925.0	ND	NA	925.0	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1188.4	ND	NA	1188.4	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	200.0	NA	ND	570.0	2100.0	ND	2670.0	NA	ND	NA
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1102.2	ND	NA	1102.2	ND	ND	NA

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\* RCM = Resident California Mussel  
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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	34.1	363.6	34.1	363.6	272.7	329.5	22.7	1420.5	102.3	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	ND	ND	ND	353.9	ND	222.5	141.6	262.9	ND	980.9	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	04/07/92	ND	NA	30.0	550.0	47.0	590.0	160.0	750.0	77.0	2204.0	420.0	330.0	NA
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	ND	ND	ND	42.7	ND	54.9	ND	61.0	ND	158.6	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	155.2	ND	77.6	181.0	172.4	ND	586.2	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	NA	ND	130.0	ND	43.0	48.0	120.0	ND	341.0	ND	76.0	NA
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	31.5	ND	47.2	ND	78.7	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	ND	ND	352.0	ND	290.8	137.8	183.7	ND	964.3	ND	131.6	ND
298.4	Concord Naval/Seal Island	TCM	12/08/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	ND	ND	355.2	ND	232.3	65.6	164.0	ND	817.1	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
295.4	ND	352.3	ND	1363.6	ND	386.4	ND	ND	2102.3	ND	ND	34.1	ND	ND	ND	ND	ND	ND	ND
295.4	101.1	273.0	ND	991.0	ND	131.5	ND	ND	1496.6	ND	ND	687.6	ND	ND	ND	ND	ND	ND	ND
295.4	140.0	490.0	ND	1100.0	ND	490.0	ND	ND	2220.0	ND	NA	190.0	ND	ND	ND	ND	ND	ND	18.0
295.5	ND	ND	ND	317.3	ND	45.2	ND	ND	362.4	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.5	ND	258.6	ND	1120.7	ND	224.1	ND	ND	1603.4	ND	ND	43.1	ND	ND	ND	ND	ND	ND	ND
295.5	120.0	180.0	ND	1400.0	ND	640.0	ND	ND	2340.0	ND	NA	150.0	ND	ND	ND	ND	ND	ND	ND
297.0	1496.1	4015.7	55.1	1811.0	ND	1181.1	566.9	1259.8	10385.8	ND	ND	110.2	ND	ND	ND	ND	ND	ND	ND
298.0	214.3	673.5	91.8	1683.7	ND	ND	ND	ND	2663.2	ND	ND	199.0	ND	ND	ND	183.7	ND	ND	23.0
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	132.5	724.2	ND	642.2	ND	116.1	ND	ND	1615.0	ND	ND	478.2	ND	NA	NA	ND	ND	ND	47.8

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.4	ND	ND	22.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	1250.0	ND	NA	1250.0	ND	ND	NA
295.4	ND	ND	111.2	ND	ND	ND	ND	ND	ND	ND	NA	ND	353.9	ND	ND	353.9	ND	ND	NA
295.4	ND	ND	100.0	ND	ND	ND	ND	ND	NA	1600.0	NA	ND	890.0	880.0	ND	1770.0	NA	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	427.1	ND	NA	427.1	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1206.9	ND	NA	1206.9	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	290.0	NA	ND	1200.0	2400.0	ND	3600.0	NA	ND	NA
297.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	779.5	ND	NA	779.5	ND	ND	NA
298.0	ND	ND	81.1	ND	ND	52.0	ND	ND	ND	NA	NA	ND	2602.0	ND	NA	2602.0	ND	ND	NA
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3391.4	ND	NA	3391.4	NA	NA	NA
302.0	ND	ND	21.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	5465.3	ND	NA	5465.3	ND	ND	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inion
302.0	Point Pinole	TCM	01/14/88	ND	ND	ND	342.5	ND	315.0	ND	267.7	ND	925.2	ND	ND	ND
302.0	Point Pinole	TCM	12/30/88	ND	ND	ND	364.0	ND	308.0	ND	78.4	ND	750.4	ND	ND	ND
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	241.4	ND	206.9	69.0	103.4	ND	620.7	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	ND	ND	ND	197.2	ND	153.6	73.4	87.1	ND	511.3	ND	ND	ND
302.0	Point Pinole	TCM	12/27/91	ND	NA	ND	95.0	ND	83.0	54.0	74.0	ND	306.0	ND	ND	NA
302.0	Point Pinole	TCM	01/20/93	ND	NA	ND	82.0	ND	74.0	40.0	58.0	ND	254.0	46.0	29.0	NA
302.4	Castro Cove Bridge	TCM	01/18/88	227.4	ND	239.3	1435.9	37.1	1794.9	502.6	981.2	454.7	5445.3	ND	ND	ND
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	ND	ND	ND	296.5	ND	217.4	93.9	219.9	ND	827.6	ND	ND	ND
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	ND	ND	206.0	449.4	187.3	580.5	59.9	337.1	181.6	2002.4	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	01/14/88	4188.5	ND	149.8	2706.4	241.6	2738.7	290.0	1933.2	ND	8059.5	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
302.0	307.1	1023.6	ND	1417.3	ND	472.4	ND	ND	3220.5	ND	ND	1141.7	ND	NA	NA	ND	ND	ND	110.2
302.0	ND	ND	ND	784.0	ND	ND	ND	ND	784.0	ND	ND	728.0	ND	NA	NA	ND	ND	ND	ND
302.0	ND	448.3	ND	551.7	ND	ND	ND	ND	1000.0	ND	ND	551.7	ND	NA	NA	ND	ND	ND	ND
302.0	ND	848.3	ND	573.2	ND	ND	ND	1490.2	2911.7	ND	ND	121.5	ND	ND	ND	ND	ND	ND	ND
302.0	ND	160.0	49.0	490.0	ND	ND	ND	ND	699.0	ND	NA	240.0	ND	ND	ND	ND	ND	ND	21.0
302.0	83.0	260.0	ND	320.0	ND	ND	ND	92.0	755.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	ND
302.4	2752.1	2632.5	789.7	1435.9	ND	466.7	ND	1435.9	9512.8	NA	NA	1555.6	ND	NA	NA	ND	ND	NA	ND
303.1	864.7	2964.7	518.8	1680.0	938.8	2001.2	ND	247.1	9215.3	ND	ND	1507.1	ND	ND	ND	ND	ND	ND	27.2
303.2	7677.7	17415.2	955.0	9175.7	11048.3	18726.0	7115.9	6366.8	78480.7	ND	ND	10861.1	ND	NA	NA	ND	786.5	NA	ND
303.3	57995.3	161098.0	1933.2	43496.5	130489.4	177207.8	8538.2	3060.9	583819.1	ND	ND	69272.1	ND	ND	ND	154.2	7088.3	ND	628.3

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
302.0	ND	ND	55.1	55.1	ND	ND	ND	ND	ND	NA	NA	ND	3307.1	ND	NA	3307.1	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2604.0	ND	NA	2604.0	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1655.2	ND	NA	1655.2	ND	ND	14041.3
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1444.4	ND	ND	1444.4	ND	ND	6878.0
302.0	ND	ND	24.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	1700.0	ND	ND	1700.0	NA	ND	NA
302.0	ND	ND	24.0	ND	ND	ND	ND	NA	NA	130.0	NA	ND	2000.0	ND	ND	2000.0	NA	ND	3000.0
302.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	4188.0	ND	NA	4188.0	NA	ND	NA
303.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	2322.4	32117.6	ND	ND	34440.0	ND	ND	NA
303.2	NA	NA	NA	ND	ND	39.3	ND	NA	NA	NA	NA	2247.1	12733.7	ND	NA	14980.8	ND	ND	NA
303.3	157.9	483.3	154.7	ND	ND	ND	ND	257.8	ND	NA	NA	3222.0	19331.8	ND	NA	22553.7	ND	22553.7	NA

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 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
03.3	Lauritzen Canal/End	TCM	03/22/91	1000.0	ND	ND	1555.6	ND	1583.3	333.3	861.1	ND	4333.3	ND	ND	ND
303.4	Santa Fe Channel/End	TCM	03/22/91	90.0	ND	ND	366.7	ND	333.3	91.7	250.0	ND	1041.7	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	ND	ND	ND	185.8	ND	156.1	ND	144.9	ND	486.6	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	ND	ND	183.3	ND	104.4	ND	47.3	ND	335.0	141.9	ND	ND
304.4	Serl Intake	TCM	03/22/91	ND	ND	ND	271.1	ND	208.6	98.0	183.5	ND	761.3	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	ND	ND	ND	94.1	ND	74.8	44.9	68.4	ND	282.1	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	ND	NA	ND	80.0	ND	58.0	35.0	37.0	ND	210.0	ND	ND	NA
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	ND	NA	ND	58.0	ND	56.0	23.0	44.0	ND	181.0	ND	22.0	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	ND	ND	113.8	ND	125.2	ND	68.3	ND	307.4	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	ND	ND	202.2	ND	171.8	ND	82.9	ND	457.2	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
303.3	33333.3	94444.4	2583.3	36111.1	66666.7	138888.9	3333.3	5000.0	380361.1	ND	ND	27777.8	ND	ND	ND	ND	ND	ND	75.0
303.4	4333.3	15500.0	616.7	6666.7	5166.7	11333.3	1833.3	1833.3	47283.3	ND	ND	4166.7	ND	ND	ND	ND	ND	ND	23.3
303.6	353.1	1523.8	278.7	1207.9	223.0	353.1	ND	297.3	4571.3	ND	ND	1003.5	27.9	ND	ND	27.9	ND	ND	33.4
303.6	433.5	1359.7	236.5	729.1	197.1	335.0	532.1	187.2	4010.1	ND	ND	768.5	102.5	ND	ND	102.5	ND	ND	29.6
304.4	417.1	1564.3	ND	896.9	479.7	604.9	ND	250.3	4213.1	ND	ND	563.1	ND	ND	ND	ND	ND	ND	29.2
306.0	ND	299.3	87.6	256.5	ND	ND	ND	ND	643.4	ND	ND	177.4	ND	NA	NA	ND	ND	ND	38.5
306.0	80.0	280.0	50.0	390.0	ND	ND	ND	ND	800.0	ND	NA	160.0	ND	ND	ND	ND	ND	ND	28.0
306.0	63.0	170.0	16.0	320.0	ND	ND	ND	96.0	665.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	12.0
306.5	ND	ND	55.3	455.4	ND	ND	ND	ND	510.6	ND	ND	195.2	ND	NA	NA	ND	ND	ND	27.6
307.0	ND	465.0	60.7	444.8	ND	ND	ND	ND	970.4	ND	ND	303.3	ND	NA	NA	ND	ND	ND	32.3

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
303.3	ND	ND	ND	ND	ND	44.4	ND	ND	ND	416.7	NA	4722.2	33333.3	ND	ND	38055.6	ND	ND	NA
303.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	148.3	NA	3000.0	14666.7	ND	ND	17666.7	ND	ND	NA
303.6	ND	ND	31.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	11892.7	ND	NA	11892.7	ND	ND	106526.0
303.6	ND	35.5	25.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	17735.3	ND	NA	17735.3	ND	ND	NA
304.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	250.3	NA	ND	7508.6	ND	ND	7508.6	ND	ND	NA
306.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1239.8	ND	ND	1239.8	ND	ND	NA
306.0	ND	ND	12.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	2000.0	1900.0	ND	3900.0	NA	ND	NA
306.0	ND	ND	17.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	2100.0	ND	ND	2100.0	NA	ND	NA
306.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3415.2	ND	NA	3415.2	ND	ND	NA
307.0	ND	ND	32.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	4650.0	ND	NA	4650.0	ND	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	ND	ND	167.5	ND	184.3	ND	110.6	ND	462.3	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	233.3	ND	183.3	83.3	66.7	ND	566.7	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	ND	ND	ND	126.5	ND	103.5	55.9	75.6	ND	361.4	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	ND	NA	ND	140.0	ND	110.0	50.0	60.0	ND	360.0	ND	ND	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	ND	NA	ND	120.0	ND	94.0	41.0	78.0	ND	333.0	67.0	41.0	NA
307.2	Alameda Yacht Harbor	TCM	01/14/88	18.4	ND	24.5	628.3	24.5	490.4	183.9	413.8	46.0	1810.9	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	ND	ND	412.8	ND	256.2	101.1	242.0	ND	1012.1	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	ND	ND	ND	416.7	ND	354.2	200.0	308.3	ND	1279.2	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
307.0	ND	137.4	97.2	519.3	ND	72.0	ND	159.1	984.9	ND	ND	201.0	ND	NA	NA	ND	ND	ND	33.5
307.0	ND	600.0	ND	533.3	ND	250.0	ND	ND	1383.3	ND	ND	266.7	ND	NA	NA	ND	ND	ND	33.3
307.0	85.4	492.9	ND	361.4	ND	ND	ND	116.6	1056.4	ND	ND	54.2	ND	ND	ND	ND	ND	ND	41.1
307.0	ND	160.0	59.0	470.0	ND	ND	ND	ND	689.0	ND	NA	270.0	ND	ND	ND	ND	ND	ND	20.0
307.0	95.0	330.0	ND	470.0	ND	67.0	ND	120.0	1082.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	ND
307.2	214.6	689.6	102.7	873.5	150.2	475.1	ND	ND	2796.9	ND	ND	536.4	ND	NA	NA	ND	ND	ND	21.5
307.2	126.7	398.6	75.4	484.0	94.0	341.6	ND	96.8	1617.1	ND	ND	839.9	ND	ND	ND	ND	ND	ND	49.8
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	254.2	1166.7	ND	1083.3	ND	337.5	ND	ND	2841.7	ND	ND	500.0	ND	NA	NA	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
307.0	ND	ND	50.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	4522.5	ND	NA	4522.5	ND	ND	NA
307.0	ND	ND	50.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	3666.7	ND	NA	3666.7	ND	ND	NA
307.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2300.0	ND	ND	2300.0	ND	ND	NA
307.0	ND	ND	17.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3200.0	2900.0	ND	6100.0	NA	ND	NA
307.0	ND	ND	27.0	ND	ND	ND	ND	NA	NA	120.0	NA	ND	3800.0	2400.0	ND	6200.0	NA	ND	NA
307.2	ND	ND	44.4	ND	32.2	ND	ND	ND	ND	NA	NA	ND	4904.1	ND	NA	4904.1	ND	ND	43033.0
307.2	ND	ND	37.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	15658.8	ND	NA	15658.8	ND	ND	ND
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	29104.9	ND	NA	29104.9	NA	NA	95192.0
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	26590.9	ND	NA	26590.9	NA	NA	NA
307.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	91.7	NA	ND	9583.3	ND	ND	9583.3	ND	ND	62500.0

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

**APPENDIX P (continued)**

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	ND	NA	ND	390.0	ND	310.0	120.0	250.0	ND	1070.0	ND	ND	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	ND	NA	32.0	510.0	ND	770.0	290.0	510.0	200.0	2312.0	330.0	52.0	NA
307.5	Lake Merritt	RBM	05/22/92	ND	NA	17.0	820.0	21.0	570.0	270.0	750.0	45.0	2493.0	ND	ND	NA
307.5	Lake Merritt	RCM	03/16/93	ND	NA	20.0	430.0	14.0	340.0	170.0	400.0	53.0	1427.0	ND	38.0	NA
307.6	Oakland Back Harbor	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	ND	ND	ND	220.4	ND	85.0	ND	63.0	ND	368.4	ND	ND	ND
307.9	San Francisco/Islais Channel	TCM	01/15/88	ND	ND	ND	312.4	ND	295.1	52.1	154.5	ND	814.4	102.4	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	ND	ND	ND	113.8	ND	78.5	40.5	62.8	ND	295.5	ND	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	ND	NA	ND	140.0	ND	96.0	78.0	49.0	ND	363.0	ND	ND	NA
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	ND	NA	ND	180.0	ND	200.0	61.0	110.0	73.0	624.0	130.0	46.0	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
307.4	250.0	1000.0	60.0	710.0	ND	550.0	ND	130.0	2700.0	ND	NA	450.0	ND	ND	ND	ND	8.0	ND	ND
307.4	430.0	970.0	ND	1000.0	220.0	770.0	ND	490.0	3880.0	ND	NA	1000.0	ND	ND	ND	ND	ND	ND	ND
307.5	300.0	1200.0	110.0	1100.0	110.0	390.0	320.0	200.0	3730.0	ND	NA	420.0	ND	ND	ND	ND	ND	ND	ND
307.5	170.0	610.0	160.0	580.0	130.0	410.0	ND	320.0	2380.0	44.0	NA	320.0	ND	ND	ND	ND	ND	ND	ND
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	ND	ND	ND	519.5	ND	ND	ND	ND	519.5	ND	ND	173.2	ND	NA	NA	ND	ND	ND	ND
307.9	95.5	ND	72.9	590.1	100.7	171.8	ND	ND	1239.0	ND	ND	468.6	19.1	ND	ND	18.7	ND	ND	43.4
308.0	ND	405.4	ND	300.8	ND	86.3	ND	74.5	867.0	ND	ND	122.9	ND	ND	ND	ND	ND	ND	19.6
308.0	98.0	340.0	66.0	470.0	ND	130.0	ND	ND	1104.0	ND	NA	340.0	ND	ND	ND	ND	ND	ND	30.0
308.0	ND	260.0	ND	420.0	ND	100.0	ND	150.0	930.0	ND	NA	500.0	ND	ND	51.0	51.0	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
307.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	8200.0	4000.0	ND	12200.0	NA	ND	NA
307.4	ND	ND	76.0	37.0	140.0	ND	ND	NA	NA	220.0	NA	2800.0	21000.0	15000.0	ND	39000.0	NA	ND	43000.0
307.5	ND	ND	ND	ND	50.0	ND	ND	NA	NA	120.0	NA	900.0	8600.0	ND	ND	9500.0	NA	ND	NA
307.5	ND	ND	ND	19.0	ND	ND	ND	NA	NA	ND	NA	2100.0	7700.0	3400.0	ND	13000.0	NA	ND	NA
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	10802.2	ND	NA	10802.2	NA	NA	NA
307.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4565.3	ND	NA	4565.3	ND	ND	NA
307.9	ND	66.0	71.2	ND	17.4	ND	ND	ND	ND	NA	NA	ND	8157.5	ND	NA	8157.5	ND	ND	NA
308.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1961.5	ND	NA	1961.5	ND	ND	NA
308.0	ND	ND	20.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3500.0	3700.0	ND	7200.0	NA	ND	NA
308.0	ND	ND	ND	ND	57.0	ND	ND	NA	NA	ND	NA	ND	5900.0	3400.0	ND	9300.0	NA	ND	NA

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
308.2	Hunter's Point/Shipyards	TCM	01/15/88	ND	ND	ND	1010.4	ND	1077.7	ND	619.7	ND	2709.8	ND	ND	ND
308.2	Hunter's Point/Shipyards	TCM	12/29/88	ND	ND	ND	288.0	ND	220.2	72.8	203.3	ND	784.3	ND	ND	ND
309.0	San Mateo Bridge/8B	TCM	01/16/91	ND	ND	ND	280.9	ND	223.5	102.2	111.7	ND	718.3	ND	ND	ND
309.0	San Mateo Bridge/8B	TCM	12/16/91	ND	NA	ND	83.0	ND	82.0	62.0	26.0	ND	253.0	ND	ND	NA
309.0	San Mateo Bridge/8B	TCM	02/01/93	ND	NA	ND	200.0	ND	180.0	78.0	150.0	82.0	690.0	120.0	51.0	NA
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	ND	ND	ND	136.5	ND	98.3	56.0	65.5	ND	356.3	ND	ND	ND
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	ND	NA	ND	190.0	ND	140.0	84.0	120.0	ND	534.0	ND	ND	NA
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	ND	NA	ND	120.0	ND	100.0	43.0	89.0	ND	352.0	64.0	ND	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	ND	ND	623.7	ND	140.3	ND	297.7	26.9	1088.7	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	ND	ND	512.1	ND	228.7	ND	126.3	ND	867.1	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
308.2	ND	2222.8	464.8	2896.3	ND	3704.6	ND	417.6	9704.6	ND	ND	2020.7	ND	ND	ND	ND	ND	ND	ND
308.2	152.4	626.7	203.3	796.1	ND	ND	ND	ND	1778.6	ND	ND	203.3	ND	NA	NA	ND	ND	ND	ND
309.0	ND	830.0	ND	478.8	ND	ND	ND	ND	1308.8	ND	ND	606.5	ND	ND	ND	ND	ND	ND	ND
309.0	ND	72.0	75.0	550.0	ND	ND	ND	ND	697.0	ND	NA	470.0	ND	ND	ND	ND	ND	ND	22.0
309.0	71.0	230.0	ND	510.0	35.0	140.0	ND	180.0	1166.0	ND	NA	550.0	ND	ND	54.0	54.0	ND	ND	ND
313.0	ND	395.9	ND	327.6	ND	ND	ND	68.3	791.7	ND	ND	ND	232.1	ND	ND	232.1	ND	ND	ND
313.0	ND	740.0	63.0	610.0	ND	ND	ND	ND	1413.0	ND	NA	410.0	ND	ND	ND	ND	ND	ND	ND
313.0	ND	130.0	ND	310.0	ND	51.0	ND	92.0	583.0	ND	NA	250.0	ND	ND	ND	ND	ND	ND	ND
321.0	ND	ND	ND	992.3	ND	ND	283.5	ND	1275.8	ND	ND	836.4	ND	NA	NA	ND	ND	ND	53.9
321.0	ND	ND	ND	887.6	ND	ND	ND	ND	887.6	ND	ND	955.9	ND	NA	NA	NA	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
308.2	ND	ND	107.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	141449.5	ND	NA	141449.5	ND	ND	NA
308.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	27102.0	ND	NA	27102.0	ND	ND	NA
309.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2777.3	ND	ND	2777.3	ND	ND	NA
309.0	ND	ND	23.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3700.0	5000.0	ND	8700.0	NA	ND	NA
309.0	ND	ND	40.0	ND	76.0	ND	ND	NA	NA	95.0	NA	ND	5500.0	3000.0	ND	8500.0	NA	2100.0	NA
313.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1365.1	ND	ND	1365.1	ND	ND	NA
313.0	ND	ND	31.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3700.0	3400.0	ND	7100.0	NA	ND	NA
313.0	ND	ND	15.0	ND	ND	ND	ND	NA	NA	95.0	NA	ND	2400.0	1300.0	ND	3700.0	NA	ND	NA
321.0	ND	ND	99.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	7654.9	ND	NA	7654.9	ND	ND	NA
321.0	ND	ND	30.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	7851.7	ND	NA	7851.7	ND	ND	NA

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\* RCM = Resident California Mussel  
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NA = Not Analyzed  
 ND = Not Detected



## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	ND	ND	ND	307.3	ND	225.4	184.4	137.3	ND	854.3	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	ND	NA	ND	58.0	ND	92.0	62.0	110.0	ND	322.0	ND	ND	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	ND	ND	542.6	ND	248.7	ND	135.7	ND	927.0	ND	ND	ND
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	35.3	388.2	35.3	305.9	94.1	200.0	23.5	1082.4	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	ND	ND	ND	317.6	ND	232.9	199.1	232.9	ND	982.6	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	ND	NA	15.0	34.0	19.0	37.0	57.0	98.0	ND	260.0	ND	ND	NA
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	ND	NA	ND	57.0	ND	50.0	13.0	48.0	ND	168.0	71.0	ND	NA
336.0	J. Fitzgerald	RCM	01/30/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.2	Pescadero Creek	TFC	02/08/88	ND	ND	ND	19.3	ND	30.9	ND	41.5	ND	92.3	ND	95.5	ND
399.2	Pescadero Creek	TFC	01/26/89	ND	ND	ND	26.4	ND	ND	ND	ND	ND	26.4	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
321.0	245.9	245.9	ND	1044.9	ND	ND	ND	ND	1536.6	ND	ND	512.2	ND	ND	ND	ND	ND	ND	ND
321.0	ND	430.0	65.0	630.0	ND	ND	ND	160.0	1285.0	ND	NA	380.0	ND	ND	ND	ND	ND	ND	ND
323.3	ND	ND	ND	633.0	ND	ND	ND	ND	633.0	ND	ND	813.9	ND	NA	NA	ND	ND	ND	ND
323.3	ND	235.3	ND	423.5	ND	ND	ND	ND	658.8	ND	ND	341.2	35.3	NA	NA	35.3	ND	ND	23.5
326.0	338.8	487.1	ND	995.3	ND	ND	ND	201.2	2022.4	ND	ND	275.3	ND	NA	NA	ND	ND	ND	ND
326.0	ND	230.0	ND	480.0	ND	ND	ND	86.0	796.0	ND	NA	310.0	ND	ND	78.0	78.0	ND	ND	ND
326.0	ND	ND	ND	250.0	ND	64.0	ND	52.0	366.0	ND	NA	59.0	ND	ND	ND	ND	ND	ND	17.0
336.0	ND	ND	ND	248.2	ND	ND	ND	ND	248.2	ND	ND	99.3	ND	NA	NA	ND	ND	ND	91.0
399.2	ND	55.0	29.9	414.6	106.1	79.1	ND	ND	684.6	ND	ND	ND	ND	ND	3567.5	3567.5	ND	ND	ND
399.2	ND	ND	ND	84.9	ND	ND	ND	ND	84.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
321.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	1803.0	ND	ND	1803.0	ND	ND	NA
321.0	ND	ND	39.0	ND	ND	ND	ND	NA	NA	71.0	NA	ND	4500.0	ND	ND	4500.0	NA	ND	NA
323.3	ND	ND	115.3	ND	ND	ND	ND	ND	NA	NA	NA	ND	3165.2	ND	NA	3165.2	ND	ND	NA
323.3	ND	ND	94.1	ND	23.5	ND	ND	ND	NA	NA	NA	ND	1764.7	ND	NA	1764.7	ND	ND	NA
326.0	ND	ND	ND	ND	ND	ND	ND	ND	146.1	NA	ND	ND	2541.2	ND	ND	2541.2	ND	ND	NA
326.0	ND	ND	91.0	ND	18.0	ND	ND	NA	NA	92.0	NA	ND	3400.0	ND	ND	3400.0	NA	ND	NA
326.0	ND	ND	16.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	790.0	ND	ND	790.0	NA	ND	NA
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	9.6	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
99.3	Waddell Creek	TFC	02/08/88	ND	ND	ND	ND	ND	20.0	ND	17.9	ND	38.2	ND	34.8	ND
399.3	Waddell Creek	TFC	01/26/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	ND	ND	24.1	366.5	35.6	335.1	136.1	429.3	16.8	1343.4	74.3	ND	ND
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	156.0	ND	146.8	100.9	156.0	18.3	578.0	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	RFC	11/26/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	TFC	12/19/91	ND	ND	ND	220.0	ND	45.0	130.0	260.0	ND	655.0	ND	ND	ND
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	ND	ND	220.1	ND	134.9	78.1	142.0	ND	575.1	ND	1065.0	ND
401.5	Watsonville Slough/Bridge	TFC	02/02/88	125.9	ND	120.9	1057.9	176.3	1183.8	327.4	881.6	201.5	3949.5	327.4	617.1	13853.4
401.5	Watsonville Slough/Bridge	TFC	03/10/93	81.0	NA	56.0	970.0	76.0	910.0	1100.0	900.0	65.0	4077.0	980.0	1700.0	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
399.3	ND	ND	ND	400.5	43.2	168.6	ND	ND	612.6	ND	ND	ND	ND	ND	ND	69.8	ND	ND	ND
399.3	ND	ND	ND	350.0	ND	ND	ND	ND	350.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.7	ND	146.6	ND	722.5	89.0	356.0	ND	ND	1314.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
400.8	ND	174.3	55.0	844.0	ND	220.2	ND	ND	1293.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	ND	310.0	180.0	4500.0	ND	660.0	ND	ND	5650.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
401.3	144.4	804.7	ND	4260.0	ND	473.3	ND	260.3	5942.7	ND	ND	2366.7	1964.3	1325.3	1822.3	5112.0	ND	ND	45.0
401.5	2770.7	6926.7	906.8	18891.0	3904.1	10327.1	1083.1	503.8	45313.2	503.8	6926.7	9445.5	2770.7	2015.0	2518.8	7304.5	730.5	ND	16.4
401.5	3700.0	5400.0	1100.0	42000.0	9500.0	25000.0	590.0	1600.0	88890.0	ND	NA	14000.0	260.0	1200.0	1900.0	3360.0	1500.0	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.7	ND	ND	ND	80.6	40.8	12.6	ND	ND	ND	ND	305.9	ND	1151.8	ND	ND	1151.8	ND	ND	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.9	440.4	NA	1541.3	ND	ND	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	880.6	ND	ND	880.6	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	972.9	ND	ND	972.9	NA	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA
401.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1893.3	ND	NA	1893.3	ND	ND	NA
401.5	ND	ND	23.9	40.3	377.8	75.6	302.3	ND	ND	NA	NA	ND	1637.2	ND	NA	1637.2	ND	57932.4	NA
401.5	ND	ND	58.0	ND	210.0	58.0	ND	NA	NA	2300.0	NA	660.0	1600.0	ND	ND	2300.0	NA	130000.0	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	ND	ND	1219.6	ND	262.3	183.6	393.4	ND	2059.0	ND	97.0	ND
401.8	San Andreas Road	TFC	02/03/88	84.6	ND	46.6	845.8	96.5	650.6	ND	780.7	151.8	2572.3	ND	867.5	ND
401.9	Pajaro River Estuary	TFC	03/10/93	ND	NA	16.0	230.0	22.0	200.0	84.0	170.0	21.0	743.0	1100.0	590.0	NA
402.1	Azevedo Pond	TCM	02/25/93	ND	NA	ND	240.0	ND	390.0	100.0	200.0	38.0	968.0	ND	890.0	NA
402.2	Parson's Slough	TCM	03/02/88	ND	ND	ND	129.5	ND	170.0	ND	44.5	ND	344.0	ND	566.7	ND
402.2	Parson's Slough	TCM	01/04/89	ND	ND	ND	156.6	ND	88.9	ND	63.8	ND	309.3	ND	618.7	ND
402.2	Parson's Slough	TCM	02/25/93	ND	NA	11.0	320.0	ND	330.0	150.0	250.0	39.0	1100.0	580.0	4000.0	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	ND	ND	114.8	ND	72.2	27.9	54.1	ND	269.0	ND	607.0	ND
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	ND	NA	ND	97.0	ND	54.0	20.0	34.0	ND	205.0	ND	1400.0	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	ND	ND	65.5	ND	59.0	ND	21.8	ND	145.6	ND	240.2	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
401.6	786.9	813.1	131.1	3147.5	288.5	1442.6	ND	ND	6609.7	1022.9	14425.8	380.3	262.3	ND	ND	262.3	ND	ND	ND
401.8	2602.4	6180.6	1301.2	23855.0	5204.7	11927.5	596.4	986.7	52654.6	ND	4879.4	15180.5	878.3	1030.1	2493.9	4402.3	531.3	ND	ND
401.9	840.0	1000.0	160.0	5200.0	990.0	3200.0	ND	400.0	11790.0	ND	NA	1000.0	28.0	120.0	470.0	618.0	180.0	200.0	ND
402.1	1000.0	2500.0	350.0	11000.0	620.0	2500.0	820.0	570.0	19360.0	2800.0	NA	6700.0	49.0	130.0	1600.0	1779.0	250.0	ND	22.0
402.2	157.9	170.0	ND	1700.0	ND	263.1	ND	196.3	2521.5	NA	NA	647.6	5262.0	NA	NA	5262.0	ND	NA	54.6
402.2	ND	139.2	ND	1256.7	108.3	270.7	ND	ND	1774.8	ND	ND	522.0	2126.7	2513.3	1643.3	6283.3	ND	ND	42.5
402.2	650.0	1100.0	240.0	8400.0	1600.0	5100.0	ND	480.0	17570.0	ND	NA	3800.0	76.0	360.0	2400.0	2836.0	390.0	ND	21.0
402.3	ND	105.0	ND	1213.9	160.8	475.7	ND	ND	1955.4	ND	ND	574.2	508.5	508.5	1640.4	2657.5	ND	ND	45.9
402.5	130.0	300.0	57.0	1900.0	290.0	1000.0	ND	94.0	3771.0	ND	NA	1300.0	53.0	120.0	1000.0	1173.0	230.0	ND	ND
403.0	ND	240.2	ND	807.9	ND	174.7	ND	ND	1222.7	ND	ND	283.8	1724.9	2620.1	ND	5393.0	ND	ND	34.9

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
401.6	ND	ND	ND	52.5	157.4	ND	ND	ND	301.6	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
401.8	ND	ND	ND	ND	238.6	41.2	ND	ND	ND	NA	NA	ND	1951.8	ND	NA	1951.8	ND	33613.9	NA
401.9	ND	ND	53.0	ND	30.0	14.0	35.0	NA	NA	150.0	NA	ND	980.0	150.0	ND	1100.0	NA	21000.0	NA
402.1	ND	ND	59.0	ND	290.0	ND	ND	NA	NA	ND	NA	ND	1800.0	ND	ND	1800.0	NA	15000.0	NA
402.2	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	1113.1	ND	NA	1113.1	NA	ND	NA
402.2	ND	ND	ND	ND	29.0	ND	ND	ND	ND	NA	NA	ND	754.0	ND	NA	754.0	ND	ND	NA
402.2	ND	ND	ND	ND	120.0	ND	ND	NA	NA	240.0	NA	ND	2400.0	ND	ND	2400.0	NA	21000.0	NA
402.3	ND	ND	ND	ND	32.8	ND	ND	ND	ND	NA	NA	ND	590.6	ND	NA	590.6	ND	ND	NA
402.5	ND	ND	ND	ND	150.0	ND	ND	NA	NA	91.0	NA	ND	470.0	ND	ND	470.0	NA	4900.0	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	ND	ND	64.0	ND	144.5	ND	58.5	ND	267.0	ND	96.9	ND
403.2	Moro Cojo	TCM	01/04/89	ND	ND	ND	507.5	ND	486.4	114.2	274.9	ND	1383.0	ND	1374.6	ND
403.6	Moro Cojo Slough	TCM	02/02/88	ND	ND	ND	225.6	ND	225.6	ND	65.4	ND	516.9	ND	383.5	ND
404.0	Sandholdt Bridge	RBM	11/05/87	ND	ND	ND	223.3	ND	204.7	ND	152.6	ND	579.8	ND	94.9	ND
404.0	Sandholdt Bridge	RBM	02/02/88	ND	ND	ND	346.1	ND	582.0	346.1	471.9	ND	1746.1	ND	62.9	ND
404.0	Sandholdt Bridge	RBM	04/07/88	ND	ND	30.8	54.3	ND	ND	ND	199.1	ND	283.6	ND	1230.8	ND
404.0	Sandholdt Bridge	RBM	12/08/88	ND	ND	ND	168.1	ND	126.7	65.9	147.4	ND	508.2	ND	310.3	ND
404.0	Sandholdt Bridge	TCM	01/04/89	ND	ND	ND	151.9	ND	107.7	35.9	70.4	ND	366.0	ND	524.9	ND
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	197.9	ND	166.7	93.8	114.6	ND	572.9	104.2	1031.3	1041.7
404.0	Sandholdt Bridge	TCM	02/04/91	ND	ND	ND	308.0	ND	300.0	132.0	236.0	ND	976.0	ND	212.0	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
403.0	ND	694.9	ND	987.4	96.9	237.7	ND	ND	2016.9	ND	ND	237.7	179.2	548.6	566.9	1294.6	ND	ND	64.0
403.2	296.1	1501.5	211.5	5709.8	592.1	2114.8	ND	211.5	10637.2	ND	ND	3425.9	317.2	2537.7	5921.3	8776.2	135.3	ND	36.0
403.6	315.8	1398.5	81.2	3834.6	144.4	947.4	473.7	169.2	7364.7	ND	ND	924.8	3157.9	1353.4	270.7	4782.0	ND	ND	65.4
404.0	669.8	2232.6	204.7	7255.9	ND	465.1	223.3	558.1	11609.4	ND	ND	427.9	502.3	ND	ND	502.3	ND	ND	31.6
404.0	975.3	2988.8	346.1	17303.4	1730.3	5662.9	ND	1573.0	30579.9	NA	NA	818.0	5348.3	ND	NA	5348.3	ND	NA	ND
404.0	ND	ND	105.0	7239.8	289.6	ND	ND	175.6	7810.0	ND	ND	669.7	1810.0	2352.9	5972.9	10135.8	ND	ND	23.5
404.0	439.7	2974.1	122.8	11120.7	ND	284.5	ND	194.0	15135.8	ND	ND	478.4	569.0	336.2	1163.8	2069.0	ND	ND	24.6
404.0	359.1	1367.5	93.9	7044.6	538.7	2486.3	ND	221.0	12111.2	ND	ND	828.8	1105.0	1105.0	1795.7	4005.8	103.6	ND	ND
404.0	729.2	2291.7	239.6	12500.0	1250.0	7187.5	ND	458.3	24656.3	ND	ND	1562.5	2500.0	2291.7	2708.3	7500.0	ND	ND	20.8
404.0	560.0	2400.0	560.0	7200.0	384.0	1440.0	ND	720.0	13264.0	ND	ND	520.0	184.0	ND	ND	184.0	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	457.1	ND	NA	457.1	ND	ND	NA
403.2	ND	ND	ND	ND	188.2	ND	ND	ND	ND	NA	NA	ND	1966.7	ND	NA	1966.7	ND	ND	NA
403.6	ND	ND	22.6	ND	24.8	ND	ND	ND	ND	NA	NA	ND	1872.2	ND	NA	1872.2	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2604.7	ND	NA	2604.7	ND	ND	NA
404.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	9752.8	ND	NA	9752.8	NA	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3438.9	ND	NA	3438.9	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2715.5	ND	NA	2715.5	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3038.8	ND	NA	3038.8	ND	1933.8	NA
404.0	ND	ND	20.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	4062.5	ND	NA	4062.5	ND	14583.3	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3400.0	ND	ND	3400.0	ND	ND	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inion
404.0	Sandholdt Bridge	TCM	01/28/92	ND	NA	ND	57.0	ND	130.0	77.0	85.0	ND	349.0	420.0	2100.0	ND
404.0	Sandholdt Bridge	TCM	02/01/93	14.0	NA	12.0	380.0	ND	330.0	220.0	260.0	20.0	1222.0	600.0	3500.0	NA
405.2	Old Salinas River 2	TFC	03/10/93	ND	NA	ND	61.0	ND	48.0	35.0	32.0	15.0	191.0	ND	1500.0	NA
405.3	Old Salinas River 1	TFC	03/16/92	ND	NA	ND	370.0	ND	81.0	340.0	120.0	86.0	997.0	2900.0	7600.0	NA
405.3	Old Salinas River 1	TFC	03/10/93	26.0	NA	35.0	410.0	31.0	280.0	ND	310.0	27.0	1093.0	4400.0	12000.0	NA
405.6	Salinas River Lag 1	TFC	03/10/93	ND	NA	3.5	49.0	ND	23.0	25.0	25.0	ND	125.5	120.0	770.0	NA
405.7	Salinas River Lag 2	TFC	03/16/92	61.0	NA	570.0	1100.0	62.0	960.0	450.0	170.0	110.0	3422.0	5100.0	15000.0	NA
406.0	Westley Station	RFC	01/04/89	ND	ND	ND	42.9	ND	18.7	ND	28.0	ND	89.6	ND	117.6	ND
406.5	Tembladero Slough	TFC	03/10/93	40.0	NA	45.0	370.0	44.0	300.0	ND	340.0	ND	1099.0	5300.0	12000.0	NA
407.4	Blanco Pump/West	TFC	03/10/93	37.0	NA	26.0	260.0	22.0	190.0	460.0	290.0	13.0	1261.0	3800.0	8300.0	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
404.0	740.0	2600.0	290.0	10000.0	1100.0	7600.0	ND	430.0	22760.0	ND	NA	3200.0	140.0	550.0	3000.0	3690.0	620.0	ND	24.0
404.0	1400.0	3300.0	440.0	14000.0	2700.0	9800.0	ND	660.0	32300.0	ND	NA	3900.0	200.0	690.0	3000.0	3890.0	560.0	170.0	ND
405.2	90.0	160.0	64.0	1100.0	94.0	300.0	ND	66.0	1874.0	ND	NA	230.0	ND	ND	110.0	110.0	ND	ND	ND
405.3	4900.0	7500.0	640.0	34000.0	12000.0	61000.0	500.0	28.0	120568.0	ND	NA	12000.0	280.0	950.0	3400.0	4630.0	2900.0	ND	ND
405.3	1300.0	2000.0	260.0	6400.0	1500.0	5400.0	ND	910.0	17770.0	ND	NA	2800.0	260.0	570.0	1900.0	2730.0	800.0	ND	ND
405.6	41.0	130.0	50.0	890.0	68.0	300.0	ND	58.0	1537.0	ND	NA	210.0	ND	16.0	99.0	115.0	30.0	ND	ND
405.7	7800.0	18000.0	1400.0	47000.0	13000.0	72000.0	1800.0	1700.0	162700.0	810.0	NA	14000.0	1100.0	3800.0	11000.0	15900.0	3100.0	ND	27.0
406.0	ND	119.5	ND	1250.7	143.7	616.0	ND	ND	2129.9	ND	ND	141.9	151.2	NA	NA	151.2	ND	ND	39.2
406.5	1300.0	2300.0	360.0	7000.0	1800.0	5700.0	120.0	910.0	19490.0	ND	NA	3400.0	280.0	660.0	1600.0	2540.0	740.0	ND	ND
407.4	1900.0	3800.0	490.0	19000.0	4600.0	14000.0	400.0	1400.0	45590.0	ND	NA	9700.0	110.0	510.0	650.0	1270.0	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
404.0	ND	ND	ND	ND	38.0	ND	ND	NA	NA	ND	NA	ND	3400.0	ND	ND	3400.0	NA	8700.0	NA
404.0	ND	ND	ND	ND	45.0	13.0	83.0	NA	NA	100.0	NA	ND	3200.0	ND	ND	3200.0	NA	29000.0	NA
405.2	ND	ND	42.0	ND	ND	12.0	ND	NA	NA	ND	NA	ND	1100.0	ND	ND	1100.0	NA	3900.0	NA
405.3	ND	ND	ND	ND	ND	230.0	ND	NA	NA	ND	NA	ND	2700.0	4300.0	ND	7000.0	NA	60000.0	NA
405.3	ND	ND	ND	ND	31.0	56.0	67.0	NA	NA	190.0	NA	530.0	1300.0	180.0	ND	2000.0	NA	22000.0	NA
405.6	ND	ND	ND	ND	ND	11.0	ND	NA	NA	ND	NA	150.0	650.0	ND	ND	800.0	NA	2000.0	NA
405.7	ND	ND	ND	ND	ND	92.0	530.0	NA	NA	ND	NA	740.0	5700.0	2400.0	ND	8840.0	NA	37000.0	NA
406.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	560.0	ND	NA	560.0	ND	ND	NA
406.5	ND	ND	ND	4.7	68.0	73.0	ND	NA	NA	320.0	NA	700.0	1500.0	180.0	ND	2400.0	NA	32000.0	NA
407.4	ND	ND	ND	ND	8.8	41.0	ND	NA	NA	17.0	NA	610.0	1800.0	320.0	ND	2700.0	NA	49000.0	NA

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 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	533.4	145.5	266.7	169.7	1454.6	ND	1939.5	654.6	4630.5	24243.2	36364.8	ND
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	153.4	ND	112.5	2147.8	71.6	2659.2	10227.6	818.2	235.2	16272.1	32728.3	19432.4	ND
414.0	Pacific Grove	RCM	12/19/88	ND	ND	ND	ND	ND	ND	ND	87.6	ND	85.8	ND	154.5	ND
414.0	Pacific Grove	RCM	01/09/89	ND	ND	ND	256.3	ND	ND	ND	33.3	ND	289.6	ND	ND	ND
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	71.4	ND	42.9	ND	28.6	ND	142.9	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	ND	ND	ND	103.5	ND	77.6	ND	ND	ND	181.1	ND	ND	ND
414.0	Pacific Grove	RCM	01/31/92	ND	ND	ND	65.0	ND	26.0	ND	ND	ND	91.0	ND	ND	NA
414.0	Pacific Grove	RCM	02/12/93	ND	NA	ND	77.0	ND	61.0	23.0	48.0	ND	209.0	ND	37.0	NA
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	ND	50.2	289.4	ND	347.3	67.5	270.1	ND	1024.6	ND	ND	ND
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
408.9	7273.0	24243.2	2303.1	29091.8	15758.1	60608.0	9454.8	2666.8	151398.8	594.0	9212.4	29091.8	1333.4	2109.2	7030.5	10473.1	3151.6	NA	36.4
409.0	14318.6	39887.6	2045.5	61365.6	35796.6	112503.6	17386.9	7261.6	290566.1	NA	NA	45001.4	1227.3	1943.2	4602.4	7773.0	4295.6	NA	ND
414.0	ND	ND	ND	1545.0	ND	ND	ND	ND	1721.0	ND	ND	618.0	401.7	ND	ND	403.4	ND	ND	164.8
414.0	ND	ND	ND	435.6	ND	ND	ND	ND	435.6	ND	ND	166.6	143.5	ND	ND	143.5	ND	ND	120.4
414.0	ND	ND	ND	514.3	ND	ND	ND	ND	514.3	ND	ND	85.7	114.3	NA	NA	114.3	ND	ND	57.1
414.0	ND	ND	ND	983.0	ND	ND	ND	ND	983.0	ND	ND	144.9	ND	ND	ND	ND	ND	ND	67.3
414.0	ND	ND	ND	750.0	ND	ND	ND	ND	750.0	ND	ND	200.0	ND	ND	ND	ND	ND	ND	ND
414.0	ND	91.0	ND	620.0	120.0	370.0	ND	ND	1201.0	ND	NA	230.0	ND	ND	ND	ND	ND	ND	ND
421.7	ND	636.6	69.5	2122.2	ND	ND	ND	443.7	3272.2	NA	NA	366.6	ND	NA	NA	ND	ND	NA	ND
425.4	ND	ND	ND	485.5	ND	313.5	ND	ND	799.0	NA	NA	131.5	ND	NA	NA	ND	202.3	NA	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
408.9	ND	ND	145.5	48.5	921.2	509.1	2788.0	ND	ND	NA	NA	ND	14545.9	ND	NA	14545.9	ND	375769.6	NA
409.0	NA	NA	NA	ND	ND	52.2	NA	NA	NA	NA	NA	ND	9409.4	ND	NA	9409.4	NA	398876.4	NA
414.0	ND	ND	61.8	61.8	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.5	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND
421.7	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	12347.1	ND	NA	12347.1	NA	11189.6	276513.0
425.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA

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\* RCM = Resident California Mussel  
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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
425.6	Lake San Antonio	RFC	10/28/87	ND	ND	ND	23.9	ND	19.1	ND	17.9	ND	61.2	ND	119.4	ND
425.6	Lake San Antonio	RFC	09/14/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	39.6	ND	ND	ND	19.8	ND	59.4	ND	89.1	ND
425.6	Lake San Antonio	TFC	05/25/92	ND	NA	ND	39.0	ND	38.0	26.0	96.0	ND	199.0	ND	150.0	NA
426.5	Cayucos Pier	TCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
425.6	ND	ND	ND	429.8	ND	ND	ND	ND	429.8	ND	ND	114.6	ND	ND	ND	ND	ND	ND	13.1
425.6	ND	ND	ND	168.9	ND	ND	ND	ND	168.9	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
425.6	ND	ND	ND	396.0	ND	ND	ND	ND	396.0	ND	ND	19.8	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	1200.0	ND	240.0	ND	ND	1440.0	ND	NA	29.0	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1000.0	1700.0	ND	2700.0	NA	ND	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	83.4	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
426.5	Cayucos Pier	TCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.3	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.5	ND	ND	ND	NA	ND	NA	NA	NA

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 ND = Not Detected



## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
430.0	Montana De Oro	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	46.5	ND	34.9	ND	23.3	ND	104.7	ND	ND	ND
430.0	Montana De Oro	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/03/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	ND	ND	ND	488.4	ND	ND	ND	ND	488.4	ND	ND	116.3	46.5	ND	ND	46.5	ND	ND	69.8
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	720.0	ND	ND	720.0	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	820.0	ND	ND	820.0	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
430.2	Montana De Oro 1	TCM	12/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	340.0	ND	ND	340.0	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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\* RCM = Resident California Mussel  
RBM = Resident Bay Mussel  
TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
RFC = Resident Fresh Water Clam  
SED = Sediment

NA = Not Analyzed  
ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
434.0	Diablo Cove/South	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1090.9	ND	ND	1090.9	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	880.0	ND	ND	880.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	527.3	ND	NA	527.3	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	831.9	ND	NA	831.9	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
435.0	Intake Cove	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	512.2	ND	ND	512.2	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	530.0	ND	ND	530.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	892.9	ND	NA	892.9	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	656.6	ND	NA	656.6	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	293.5	ND	NA	293.5	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	563.0	ND	NA	563.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	409.1	ND	NA	409.1	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
437.0	Point San Luis	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	Lion Rock/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	516.7	ND	NA	516.7	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2679.7	ND	NA	2679.7	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	756.0	ND	NA	756.0	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2100.0	ND	NA	2100.0	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.0	NA	NA	NA	NA	NA	NA	NA	NA

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\* RCM = Resident California Mussel  
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 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.9	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	353.7	ND	NA	353.7	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	535.3	ND	NA	535.3	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	860.0	ND	NA	860.0	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	715.8	ND	NA	715.8	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
444.0	Intake Cove/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	291.7	ND	NA	291.7	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	394.7	ND	NA	394.7	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	273.0	ND	NA	273.0	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	708.2	ND	NA	708.2	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
445.0	San Luis Harbor/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon	Toxa- phene	Tri- butyl- tin
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.4	ND	348.6	ND	NA	348.6	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.7	ND	1445.9	ND	NA	1445.9	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2700.0	ND	NA	2700.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	828.6	ND	NA	828.6	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1978.0	ND	NA	1978.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1615.4	ND	NA	1615.4	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	640.0	ND	NA	640.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1600.0	5600.0	ND	NA	7200.0	NA	NA	NA

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 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected



## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
446.0	San Luis Obispo Creek 1	TFC	02/26/91	ND	ND	96.0	1015.7	89.0	779.1	487.0	1238.3	89.0	3794.1	ND	ND	ND
450.0	Point Conception	RCM	01/04/91	ND	ND	ND	93.9	ND	144.4	ND	ND	ND	238.3	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	ND	ND	ND	33.9	ND	37.2	ND	ND	ND	72.2	ND	ND	ND
455.0	Gaviota	TCM	03/21/89	ND	ND	ND	62.2	ND	ND	ND	21.3	ND	83.5	ND	ND	ND
460.0	Goleta Slough 1	TCM	12/18/88	ND	ND	37.8	755.6	ND	491.1	245.6	793.3	62.3	2385.7	ND	188.9	547.8
475.0	Carpinteria Marsh	TCM	01/26/88	ND	ND	ND	191.0	ND	131.4	ND	116.6	ND	439.0	ND	ND	ND
475.0	Carpinteria Marsh	TCM	12/18/88	ND	ND	ND	251.9	ND	184.7	26.9	125.9	ND	589.4	184.7	ND	ND
480.0	Lake Isabella	RFC	02/09/93	ND	NA	ND	35.0	ND	34.0	28.0	36.0	ND	133.0	ND	50.0	NA
485.0	Ventura Marina	TCM	01/25/88	ND	ND	215.5	687.8	ND	664.9	227.0	687.8	ND	2483.3	ND	985.9	ND
506.1	Port Hueneme/Wharf B	TCM	01/25/88	ND	ND	ND	159.1	ND	422.6	ND	646.3	ND	1227.5	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
446.0	ND	487.0	ND	876.5	ND	278.3	ND	ND	1641.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
450.0	ND	231.1	325.0	2527.8	ND	ND	ND	ND	3083.9	ND	ND	101.1	ND	NA	NA	ND	ND	ND	115.6
455.0	ND	ND	ND	145.6	ND	ND	ND	ND	144.5	ND	ND	40.6	ND	NA	NA	ND	ND	ND	50.8
455.0	ND	ND	ND	550.8	ND	ND	ND	ND	550.8	ND	ND	51.5	ND	NA	NA	ND	ND	ND	42.6
460.0	ND	ND	ND	1341.1	ND	ND	ND	ND	1341.1	ND	ND	245.6	60.4	NA	NA	60.4	ND	ND	ND
475.0	ND	ND	ND	1314.4	ND	379.0	ND	ND	1693.4	NA	NA	148.3	148.4	NA	NA	148.4	ND	NA	ND
475.0	ND	772.5	62.1	2183.0	ND	201.5	ND	112.5	3331.6	ND	ND	184.7	369.4	ND	1679.2	2048.6	ND	ND	36.9
480.0	ND	86.0	56.0	730.0	ND	ND	ND	66.0	938.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
485.0	619.1	1513.3	504.4	9400.5	848.3	3439.2	940.1	1100.5	18365.4	NA	NA	252.2	1215.2	NA	NA	1215.2	ND	NA	ND
506.1	696.0	9693.8	1441.6	4225.5	ND	1044.0	ND	845.1	17946.0	NA	NA	174.0	ND	NA	NA	ND	ND	NA	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
446.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3060.9	ND	ND	3060.9	ND	ND	NA
450.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	722.2	ND	ND	722.2	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	755.6	ND	NA	755.6	ND	ND	NA
475.0	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
475.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	503.8	ND	NA	503.8	ND	ND	NA
480.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	890.0	ND	ND	890.0	NA	ND	NA
485.0	NA	NA	NA	160.5	ND	ND	NA	NA	NA	NA	NA	ND	8712.7	ND	NA	8712.7	NA	ND	232457.0
506.1	NA	NA	NA	141.7	ND	ND	NA	NA	NA	NA	NA	ND	44740.8	ND	NA	44740.8	NA	ND	28199.0

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
506.1	Port Hueneme/Wharf B	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	ND	ND	ND	273.9	ND	249.0	ND	323.7	ND	846.5	ND	ND	ND
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	ND	ND	97.6	266.8	ND	325.4	208.2	279.8	ND	1177.9	ND	ND	ND
507.1	Mugu Lagoon/L Street	TCM	12/28/90	ND	ND	23.6	334.3	ND	216.3	186.8	295.0	23.6	1079.7	ND	1258.7	ND
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90	ND	ND	30.7	613.6	ND	337.5	288.4	552.3	ND	1822.5	ND	705.7	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	ND	84.6	1175.6	14.1	576.0	199.8	964.0	85.8	3100.0	564.3	3526.7	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90	ND	ND	52.5	700.0	58.9	572.7	365.9	890.9	73.2	2714.1	ND	652.3	ND
507.8	Revolon Slough	TFC	03/14/88	ND	ND	740.2	8247.9	782.5	7401.9	10574.2	8459.4	2643.6	38849.6	12689.0	99397.5	ND
507.8	Revolon Slough	TFC	01/29/89	ND	ND	539.4	4131.8	482.0	1377.3	ND	3672.7	ND	10203.3	8837.5	17215.9	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	497.9	2340.3	124.5	3385.9	204.2	771.8	ND	547.7	7871.4	ND	ND	ND	59.8	ND	ND	60.2	ND	ND	ND
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	ND	1269.0	488.1	3904.6	520.6	3253.8	ND	1171.4	10607.4	NA	NA	188.7	423.0	NA	NA	423.0	ND	NA	ND
507.1	747.3	2163.3	275.3	9046.7	131.8	629.3	ND	668.7	13662.4	ND	ND	133.7	275.3	786.7	3343.3	4405.3	ND	ND	41.3
507.2	1196.6	3988.6	736.4	24545.5	398.9	981.8	ND	1319.3	33167.1	ND	ND	337.5	174.9	951.1	2270.5	3396.5	ND	ND	58.3
507.3	1199.1	5278.3	940.5	34091.6	775.9	2116.0	317.4	670.1	45388.9	ND	ND	505.5	634.8	1645.8	1645.8	3926.4	84.6	493.7	ND
507.3	1384.1	3659.1	588.6	25454.5	ND	2068.2	ND	1240.9	34395.4	ND	ND	493.2	2704.5	1590.9	3022.7	7318.2	ND	ND	58.9
507.8	22205.8	50756.2	5710.1	211484.0	71904.6	211484.0	ND	7296.2	580840.8	NA	ND	5075.6	15861.3	16918.7	11631.6	44411.6	1903.4	NA	ND
507.8	7345.5	28693.2	4590.9	109034.1	22954.5	107886.4	ND	4476.1	284980.6	286.9	ND	1492.0	24102.3	12625.0	110181.8	146909.1	573.9	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	44362.5	ND	NA	44362.5	NA	NA	NA
506.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	14439.9	ND	NA	14439.9	ND	ND	217715.0
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15918.9	ND	NA	15918.9	NA	NA	NA
506.3	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	45553.2	ND	NA	45553.2	NA	ND	28199.0
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.3	NA	ND	1219.3	ND	ND	1219.3	ND	3933.3	NA
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	4295.5	ND	ND	4295.5	ND	7056.8	NA
507.3	ND	ND	34.1	ND	48.2	16.5	ND	ND	ND	NA	NA	ND	5407.6	ND	NA	5407.6	ND	21160.3	NA
507.3	ND	ND	ND	ND	ND	50.9	ND	ND	ND	NA	NA	ND	1018.2	ND	ND	1018.2	ND	27045.5	NA
507.8	NA	NA	NA	190.3	4335.4	1903.4	NA	NA	NA	NA	NA	1903.4	41239.4	ND	NA	43142.7	ND	496987.4	NA
507.8	ND	ND	309.9	172.2	ND	114.8	ND	ND	ND	NA	NA	ND	5050.0	ND	NA	5050.0	ND	849318.1	NA

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 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

**APPENDIX P (continued)**

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
507.8	Revolon Slough	TFC	03/11/91	ND	ND	358.0	4394.1	144.8	3254.9	10090.2	3905.9	ND	22148.0	1171.8	9113.7	ND
553.0	Marina Del Rey/Entrance	TCM	12/19/88	ND	ND	110.4	1084.8	ND	875.5	247.4	913.5	ND	3231.7	228.4	ND	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	69.9	ND	216.3	1829.9	113.1	1530.5	ND	1397.4	ND	5086.8	ND	66.5	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	ND	ND	125.6	1298.0	ND	860.6	254.0	1298.0	ND	3836.1	93.1	ND	ND
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	ND	163.0	3266.3	ND	2532.3	963.0	1518.5	196.3	8639.4	ND	ND	ND
555.0	Marina Del Rey/Basin G	TCM	12/19/88	ND	ND	125.4	1737.9	32.3	824.2	555.4	1290.0	215.0	4780.2	ND	ND	ND
555.2	Marina Del Rey/Basin D	TCM	01/25/88	ND	ND	240.2	2882.1	ND	3122.3	1849.3	1200.9	221.0	9515.3	ND	ND	ND
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	ND	56.1	2804.0	ND	2804.0	1602.3	1962.8	152.2	9381.9	ND	ND	ND
556.0	Marina Del Rey/Basin E	TCM	12/19/88	ND	ND	118.3	2232.1	ND	1629.5	1026.8	2075.9	ND	7082.6	ND	ND	ND
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	ND	ND	174.2	1864.6	168.1	1925.8	672.5	1803.5	82.5	6689.9	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
507.8	22784.3	34176.5	2441.2	21156.9	11066.7	94392.2	ND	6835.3	192853.0	ND	ND	862.5	1790.2	1790.2	4719.6	8300.0	358.0	ND	ND
553.0	142.7	1084.8	609.0	3235.5	ND	138.9	ND	418.7	5629.7	ND	ND	285.5	ND	ND	ND	ND	ND	ND	ND
554.0	199.6	1031.4	282.8	3493.5	79.9	249.5	532.3	232.9	6101.6	ND	ND	598.9	ND	ND	ND	ND	ND	465.8	33.3
554.0	63.5	1975.2	507.9	3668.2	80.4	169.3	ND	395.0	6859.6	ND	ND	522.0	ND	ND	ND	ND	ND	ND	14.1
555.0	ND	1037.0	555.6	4444.4	ND	ND	ND	5136.0	11173.0	ND	ND	1777.8	ND	ND	ND	ND	ND	ND	40.7
555.0	394.2	2759.2	931.7	5375.0	ND	75.3	609.2	483.8	10628.2	ND	ND	788.3	ND	1110.8	1791.7	2902.5	ND	ND	ND
555.2	ND	1080.8	264.2	5283.8	ND	1080.8	ND	864.6	8574.2	NA	NA	2161.6	ND	NA	NA	ND	ND	NA	ND
556.0	ND	1261.8	821.2	5608.0	ND	560.8	2603.7	1181.7	12037.1	NA	NA	2403.4	ND	NA	NA	ND	ND	NA	ND
556.0	736.6	1428.6	1852.7	9375.0	ND	102.7	937.5	1383.9	15817.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
557.0	336.2	672.5	250.7	2048.0	1345.0	2048.0	ND	165.1	6864.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
507.8	ND	ND	ND	ND	ND	276.7	ND	ND	ND	179.0	NA	ND	ND	ND	ND	ND	ND	553333.6	NA
553.0	ND	ND	34.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	5519.4	ND	NA	5519.4	ND	ND	NA
554.0	ND	ND	39.9	39.9	23.3	ND	ND	ND	ND	NA	NA	ND	9648.6	ND	NA	9648.6	ND	ND	NA
554.0	ND	ND	25.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	12556.6	ND	NA	12556.6	ND	ND	NA
555.0	ND	ND	ND	ND	63.0	ND	ND	ND	ND	NA	NA	ND	10740.7	ND	NA	10740.7	ND	ND	213837.0
555.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	19708.3	ND	NA	19708.3	ND	ND	NA
555.2	NA	NA	NA	ND	180.1	ND	NA	NA	NA	NA	NA	ND	16331.8	ND	NA	16331.8	NA	ND	81500.0
556.0	NA	NA	NA	ND	140.2	ND	NA	NA	NA	NA	NA	ND	13819.6	ND	NA	13819.6	NA	ND	123448.0
556.0	ND	ND	ND	ND	35.7	ND	ND	ND	ND	NA	NA	ND	31250.0	ND	NA	31250.0	ND	ND	NA
557.0	ND	ND	91.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	16812.2	ND	NA	16812.2	ND	ND	NA

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 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
559.0	King Harbor	TCM	12/28/87	ND	ND	ND	265.8	ND	306.6	196.3	265.8	32.7	1066.4	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/28/87	ND	ND	114.5	745.7	ND	1075.2	502.9	832.4	64.2	3335.3	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/23/90	ND	ND	131.1	1311.2	65.6	1013.2	590.0	1251.6	ND	4362.7	ND	ND	ND
601.0	La Harbor/National Steel	TCM	12/22/91	ND	NA	18.0	580.0	ND	500.0	180.0	410.0	24.0	1712.0	140.0	ND	NA
601.0	LA Harbor/National Steel	RBM	01/06/93	ND	NA	ND	300.0	ND	280.0	210.0	260.0	44.0	1094.0	86.0	ND	NA
602.0	LA Harbor/West Basin	TCM	12/28/87	ND	ND	26.5	554.7	ND	578.9	ND	385.9	28.9	1575.2	ND	ND	ND
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
559.0	ND	245.3	981.3	4293.1	224.9	408.9	ND	776.8	6930.2	NA	NA	286.2	ND	NA	NA	ND	ND	NA	ND
601.0	ND	156.1	2427.8	6763.1	2254.4	8670.6	ND	2254.4	22526.2	NA	NA	433.5	ND	NA	NA	ND	ND	NA	ND
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	1966.8	6556.0	3695.2	20264.0	381.4	560.2	1370.8	2145.6	36940.1	ND	ND	506.6	ND	NA	NA	ND	ND	ND	ND
601.0	680.0	3100.0	1200.0	8200.0	60.0	170.0	600.0	770.0	14780.0	ND	NA	230.0	ND	ND	ND	ND	ND	ND	18.0
601.0	320.0	1200.0	600.0	5900.0	480.0	1800.0	230.0	460.0	10990.0	ND	NA	70.0	ND	ND	ND	ND	ND	ND	ND
602.0	289.4	1447.1	1374.8	4823.8	130.2	313.5	ND	289.4	8668.0	ND	ND	197.8	ND	ND	ND	ND	ND	ND	33.8
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
559.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	6950.7	ND	NA	6950.7	NA	ND	170218.0
601.0	NA	NA	NA	ND	91.9	ND	NA	NA	NA	NA	NA	31214.2	43353.0	ND	NA	74567.2	NA	ND	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15466.7	46222.2	ND	NA	61688.9	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37500.0	43750.0	ND	NA	81250.0	NA	NA	NA
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	14900.0	59600.0	ND	ND	74500.0	ND	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	2900.0	15000.0	2600.0	ND	20500.0	NA	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	9100.0	9200.0	ND	ND	18000.0	NA	6800.0	49000.0
602.0	ND	ND	45.8	ND	ND	ND	ND	ND	NA	NA	NA	ND	24118.9	ND	NA	24118.9	ND	ND	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	19747.2	ND	NA	19747.2	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	26714.3	ND	NA	26714.3	NA	NA	NA

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/23/90	ND	ND	36.0	490.2	ND	310.5	359.5	522.9	ND	1719.1	ND	ND	ND
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	ND	ND	47.8	454.0	ND	573.5	ND	573.5	ND	1648.9	ND	ND	ND
603.0	LA Harbor/Berth 151	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	LA Harbor/Slip 240	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	308.0	ND	189.5	90.0	158.7	ND	746.3	ND	ND	ND
605.0	La Harbor/Cabrillo Pier	RCM	12/22/91	ND	NA	ND	54.0	ND	43.0	39.0	110.0	ND	246.0	ND	ND	NA
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93	ND	NA	ND	150.0	ND	150.0	200.0	150.0	ND	650.0	60.0	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
602.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	849.8	2582.0	2647.3	16668.3	ND	277.8	784.4	1340.0	25149.5	ND	ND	254.9	ND	NA	NA	ND	ND	ND	ND
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	1075.3	5735.2	2198.5	11709.3	ND	1147.0	2389.7	1409.9	25664.9	NA	NA	477.9	ND	NA	NA	ND	ND	NA	ND
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	497.5	971.4	2298.2	19901.5	ND	120.8	734.5	1919.1	26443.0	ND	ND	206.1	ND	NA	NA	ND	ND	ND	ND
605.0	180.0	440.0	2100.0	14000.0	ND	ND	360.0	1200.0	18280.0	ND	NA	24.0	ND	ND	ND	ND	ND	ND	ND
605.0	190.0	470.0	1600.0	12000.0	130.0	350.0	330.0	970.0	16040.0	ND	NA	49.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2166.7	21666.7	ND	NA	23833.3	NA	NA	NA
602.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	2255.1	42487.8	ND	ND	44742.9	ND	ND	NA
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	11688.1	ND	NA	11688.1	NA	NA	NA
603.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	6452.1	ND	NA	6452.1	NA	ND	NA
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	18821.1	ND	NA	18821.1	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	8782.2	ND	NA	8782.2	NA	NA	NA
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2344.2	ND	NA	2344.2	NA	NA	86424.0
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	11372.3	ND	NA	11372.3	ND	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	850.0	7900.0	ND	ND	8750.0	NA	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	1400.0	7700.0	ND	ND	9100.0	NA	2700.0	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	ND	ND	ND	285.4	ND	267.6	89.2	196.2	23.2	861.3	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	ND	65.5	806.0	ND	705.3	327.5	529.0	70.5	2503.8	352.6	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	ND	ND	105.6	734.8	24.5	413.3	67.4	673.6	ND	2019.2	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	125.0	1000.0	ND	916.7	375.0	750.0	ND	3166.7	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/23/90	ND	ND	51.3	432.9	24.1	336.7	240.5	513.1	ND	1598.6	ND	ND	ND
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	ND	NA	66.0	620.0	36.0	580.0	230.0	620.0	ND	2152.0	ND	ND	NA
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92	ND	NA	53.0	720.0	45.0	600.0	430.0	580.0	93.0	2521.0	200.0	57.0	NA
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	ND	NA	ND	540.0	17.0	430.0	240.0	610.0	81.0	1918.0	120.0	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	158.8	303.3	767.1	4103.2	178.4	117.7	356.8	624.4	6609.6	ND	ND	112.4	ND	ND	ND	ND	ND	ND	25.0
616.0	554.2	1662.5	730.5	4282.1	ND	1007.6	ND	932.0	9168.8	ND	ND	231.7	ND	ND	ND	ND	ND	ND	30.2
616.0	352.1	2663.7	949.1	6735.8	ND	199.0	551.1	367.4	11818.3	ND	ND	148.5	ND	NA	NA	ND	ND	ND	ND
616.0	791.7	3833.3	875.0	5000.0	ND	375.0	1341.7	625.0	11500.0	ND	ND	375.0	ND	NA	NA	ND	ND	ND	ND
616.0	593.3	1924.1	721.6	4329.3	ND	ND	432.9	432.9	8434.1	ND	ND	120.3	ND	NA	NA	ND	ND	ND	ND
616.0	380.0	3200.0	750.0	5900.0	ND	230.0	ND	500.0	10960.0	ND	NA	210.0	ND	ND	ND	ND	ND	ND	ND
616.0	780.0	2400.0	630.0	8100.0	540.0	2300.0	470.0	810.0	16030.0	ND	NA	210.0	ND	ND	ND	ND	ND	ND	ND
616.0	500.0	2100.0	500.0	7400.0	800.0	3100.0	290.0	460.0	15150.0	ND	NA	85.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	9258.3	ND	NA	9258.3	NA	NA	61234.0
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	12175.4	ND	NA	12175.4	NA	NA	203728.0
609.0	ND	ND	33.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	3211.2	ND	NA	3211.2	ND	ND	NA
616.0	ND	ND	70.5	ND	ND	ND	ND	ND	ND	NA	NA	ND	13854.0	ND	NA	13854.0	ND	ND	33436.0
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	16839.5	ND	NA	16839.5	ND	ND	NA
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	8333.3	19583.3	ND	NA	27916.7	ND	ND	91395.8
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.7	NA	1763.8	12186.2	ND	ND	13950.0	ND	ND	ND
616.0	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	2100.0	13000.0	ND	ND	15100.0	ND	ND	NA
616.0	ND	ND	ND	33.0	ND	ND	ND	NA	NA	ND	NA	4300.0	10000.0	ND	ND	14000.0	NA	31000.0	29000.0
616.0	28.0	ND	ND	ND	ND	ND	ND	NA	NA	96.0	NA	3200.0	7900.0	300.0	ND	11000.0	NA	28000.0	NA

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
617.6	Point Fermin	RCM	01/05/93	ND	NA	ND	180.0	ND	120.0	64.0	110.0	67.0	541.0	150.0	ND	NA
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93	ND	NA	ND	78.0	ND	190.0	36.0	69.0	ND	373.0	ND	ND	NA
618.0	LA Harbor/Angels Gate	TCM	12/23/90	ND	ND	ND	184.9	ND	147.9	85.5	201.1	ND	619.5	ND	ND	ND
618.0	LA Harbor/Angels Gate	RCM	12/22/91	ND	NA	ND	61.0	ND	63.0	33.0	88.0	19.0	264.0	ND	ND	NA
618.0	LA Harbor/Angels Gate	RCM	03/08/93	21.0	NA	ND	170.0	ND	180.0	84.0	150.0	31.0	615.0	ND	ND	NA
619.2	San Pedro Breakwater	RCM	03/08/93	ND	NA	ND	140.0	ND	200.0	60.0	110.0	ND	510.0	ND	ND	NA
620.0	LB Harbor/JH Baxter 80	TCM	12/23/90	ND	ND	ND	440.0	ND	509.5	148.2	444.6	ND	1542.3	ND	ND	ND
621.0	LA Harbor/Berth 120	TCM	12/23/90	ND	ND	ND	546.7	ND	61.5	341.7	444.2	ND	1394.0	ND	ND	ND
648.0	Malibu	RBM	12/26/90	ND	ND	ND	154.7	ND	142.8	63.4	115.0	ND	475.9	ND	ND	ND
648.0	Malibu	RBM	01/06/93	ND	NA	ND	120.0	ND	120.0	81.0	88.0	30.0	439.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
617.6	210.0	660.0	1600.0	17000.0	ND	260.0	ND	1800.0	21530.0	ND	NA	64.0	ND	ND	ND	ND	ND	ND	ND
617.9	110.0	250.0	860.0	8600.0	ND	120.0	ND	850.0	10790.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	ND
618.0	346.8	1109.6	2774.0	21267.5	ND	ND	554.8	1918.7	27971.4	ND	ND	25.4	ND	NA	NA	ND	ND	ND	39.3
618.0	140.0	550.0	1800.0	12000.0	ND	150.0	290.0	1300.0	16230.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
618.0	140.0	310.0	960.0	9200.0	92.0	390.0	ND	780.0	11872.0	ND	NA	60.0	ND	ND	ND	ND	ND	ND	ND
619.2	190.0	440.0	1600.0	15000.0	ND	190.0	ND	1500.0	18920.0	ND	NA	140.0	ND	ND	ND	ND	ND	ND	ND
620.0	509.5	1760.0	2176.8	15284.2	ND	254.7	ND	1667.4	21652.6	ND	ND	111.2	ND	NA	NA	ND	ND	ND	ND
621.0	1059.2	2494.2	1332.5	18791.7	ND	228.9	1366.7	1879.2	27152.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
648.0	ND	634.5	594.8	4362.1	ND	178.4	ND	ND	5769.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	51.6
648.0	58.0	100.0	260.0	2100.0	ND	69.0	ND	360.0	2947.0	ND	NA	48.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
617.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	5500.0	ND	ND	5500.0	NA	ND	NA
617.9	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2900.0	ND	ND	2900.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	16413.0	ND	ND	16413.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	700.0	6400.0	ND	ND	7100.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	1400.0	4700.0	ND	ND	6100.0	NA	2600.0	NA
619.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4900.0	ND	ND	4900.0	NA	ND	NA
620.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	19915.8	ND	ND	19915.8	ND	ND	NA
621.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	30066.7	ND	ND	30066.7	ND	ND	NA
648.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2775.9	ND	ND	2775.9	ND	ND	NA
648.0	ND	ND	23.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	1700.0	ND	ND	1700.0	NA	ND	NA

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NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-iron
650.0	Santa Monica	RBM	12/26/90	ND	ND	ND	592.3	ND	700.0	204.6	452.3	ND	1949.2	ND	ND	ND
650.0	Santa Monica	RCM	01/06/93	ND	NA	24.0	700.0	ND	490.0	450.0	480.0	140.0	2284.0	1100.0	ND	NA
662.0	Royal Palms	RCM	12/28/87	ND	ND	ND	57.0	ND	55.6	ND	ND	ND	112.5	ND	ND	ND
662.0	Royal Palms	RCM	12/19/88	ND	ND	ND	211.5	ND	121.2	ND	67.1	ND	399.7	ND	ND	ND
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	122.4	ND	81.6	ND	40.8	ND	244.9	ND	ND	ND
662.0	Royal Palms	RCM	12/26/90	ND	ND	ND	228.2	ND	163.0	57.9	115.9	ND	565.0	ND	ND	ND
662.0	Royal Palms	RCM	11/25/91	ND	NA	ND	57.0	ND	77.0	ND	52.0	ND	186.0	ND	ND	NA
662.0	Royal Palms	RCM	01/05/93	ND	NA	ND	190.0	ND	130.0	53.0	75.0	63.0	511.0	ND	ND	NA
664.0	Cabrillo Beach	RCM	12/22/91	ND	NA	ND	54.0	ND	43.0	27.0	79.0	ND	203.0	ND	ND	NA
664.2	Cabrillo Beach Buoy	RCM	01/05/93	ND	NA	ND	130.0	ND	170.0	84.0	140.0	23.0	547.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
650.0	ND	915.4	807.7	5007.7	ND	ND	ND	592.3	7323.1	ND	ND	323.1	70.0	NA	NA	70.0	ND	ND	107.7
650.0	290.0	930.0	ND	8700.0	120.0	690.0	ND	1500.0	12230.0	ND	NA	850.0	ND	ND	ND	ND	ND	ND	ND
662.0	ND	185.2	413.1	3418.8	ND	ND	ND	655.3	4732.2	ND	ND	34.2	ND	ND	ND	ND	ND	ND	15.7
662.0	237.3	1212.1	1882.6	22694.7	ND	ND	722.1	1495.8	28244.6	ND	ND	64.5	ND	NA	NA	ND	ND	ND	49.0
662.0	244.9	1122.4	1693.9	14489.8	ND	163.3	1959.2	1551.0	21224.5	ND	ND	204.1	ND	NA	NA	ND	ND	ND	61.2
662.0	398.4	1593.5	2173.0	29697.3	ND	166.6	ND	2354.1	36382.8	ND	ND	108.6	ND	NA	NA	ND	ND	ND	83.3
662.0	210.0	610.0	2100.0	18000.0	ND	230.0	440.0	2200.0	23790.0	ND	NA	37.0	ND	ND	ND	ND	ND	ND	24.0
662.0	180.0	410.0	1200.0	12000.0	ND	130.0	240.0	1200.0	15360.0	ND	NA	180.0	ND	ND	ND	ND	ND	ND	ND
664.0	170.0	470.0	1700.0	12000.0	ND	220.0	ND	1100.0	15660.0	ND	NA	17.0	ND	ND	ND	ND	ND	ND	ND
664.2	220.0	500.0	1300.0	9800.0	150.0	610.0	ND	1100.0	13680.0	ND	NA	39.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
650.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3500.0	ND	ND	3500.0	ND	ND	NA
650.0	ND	ND	ND	28.0	ND	ND	ND	NA	NA	150.0	NA	4400.0	25000.0	ND	ND	29000.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	911.7	ND	NA	911.7	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3610.5	ND	NA	3610.5	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4081.6	ND	NA	4081.6	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	5432.4	ND	ND	5432.4	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3500.0	ND	ND	3500.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4000.0	ND	ND	4000.0	NA	4100.0	NA
664.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	850.0	5900.0	ND	ND	6750.0	NA	ND	NA
664.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	1200.0	5600.0	ND	ND	6800.0	NA	3400.0	NA

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NA = Not Analyzed  
 ND = Not Detected



## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	ND	NA	ND	35.0	ND	31.0	ND	24.0	20.0	110.0	ND	ND	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	ND	78.0	557.3	ND	743.0	315.8	557.3	ND	2251.8	204.3	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	ND	ND	43.0	628.7	ND	297.8	ND	463.3	ND	1432.8	67.8	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	30.9	412.4	ND	391.8	195.9	288.7	51.5	1371.1	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	ND	ND	ND	535.5	ND	507.3	310.0	366.4	ND	1719.1	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	ND	NA	14.0	200.0	ND	130.0	105.1	230.0	20.0	699.1	ND	ND	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	ND	ND	30.5	539.9	ND	469.5	211.3	493.0	51.6	1795.8	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	30.8	300.0	ND	276.9	184.6	176.9	23.1	992.3	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	ND	ND	ND	230.9	ND	214.7	131.6	150.1	ND	727.3	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	ND	NA	17.0	170.0	ND	150.0	94.0	170.0	14.0	615.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
682.0	ND	ND	62.0	750.0	ND	110.0	ND	83.0	1005.0	ND	NA	30.0	ND	ND	ND	ND	ND	ND	ND
707.0	ND	464.4	761.6	6687.4	ND	575.9	1021.7	1170.3	10681.2	NA	NA	59.4	464.4	NA	NA	464.4	ND	NA	50.2
707.0	ND	1820.0	728.0	9927.3	ND	231.6	479.8	794.2	13980.9	ND	ND	215.1	ND	ND	ND	ND	ND	ND	36.4
707.0	175.3	505.2	536.1	4020.6	ND	ND	ND	690.7	5927.8	ND	ND	175.3	ND	NA	NA	ND	ND	ND	ND
707.0	338.2	1268.2	507.3	8736.4	ND	132.5	ND	1042.7	12025.2	ND	ND	310.0	ND	ND	ND	ND	ND	ND	50.7
707.0	100.0	270.0	670.0	6500.0	ND	77.0	ND	570.0	8187.0	ND	NA	140.0	ND	ND	ND	ND	ND	ND	17.0
708.0	194.8	469.5	633.8	4694.8	399.1	194.8	ND	539.9	7126.7	ND	ND	258.2	422.5	ND	1314.5	1737.1	ND	ND	46.9
708.0	215.4	638.5	438.5	5615.4	ND	100.0	ND	515.4	7523.1	ND	ND	123.1	15.4	NA	NA	15.4	ND	ND	15.4
708.0	166.2	600.3	461.8	3001.5	ND	ND	ND	415.6	4645.4	ND	ND	99.3	ND	ND	ND	ND	ND	ND	25.4
708.0	85.0	370.0	500.0	4900.0	ND	97.0	ND	470.0	6422.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	15.0

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
682.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
707.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	4086.7	ND	NA	4086.7	NA	ND	12948.0
707.0	ND	ND	31.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	6618.2	ND	NA	6618.2	ND	ND	NA
707.0	ND	ND	20.6	ND	ND	ND	ND	ND	ND	NA	NA	1237.1	3195.9	ND	NA	4433.0	ND	ND	6331.9
707.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.2	NA	ND	5354.5	ND	ND	5354.5	ND	ND	13245.5
707.0	ND	ND	13.0	ND	ND	ND	ND	NA	NA	74.0	NA	ND	4200.0	ND	ND	4200.0	NA	ND	NA
708.0	ND	ND	63.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	4460.1	ND	NA	4460.1	ND	ND	20827.0
708.0	ND	ND	15.4	ND	ND	ND	ND	ND	ND	NA	NA	1384.6	4076.9	ND	NA	5461.5	ND	ND	4486.9
708.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	71.6	NA	ND	1593.1	ND	ND	1593.1	ND	ND	9927.9
708.0	ND	ND	14.0	ND	ND	ND	ND	NA	NA	52.0	NA	ND	3200.0	ND	ND	3200.0	NA	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inion
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	ND	ND	ND	455.8	ND	273.5	303.8	395.0	30.4	1458.5	ND	ND	ND
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	ND	NA	13.0	190.0	ND	96.0	120.0	140.0	ND	559.0	ND	57.0	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	70.3	ND	46.9	780.9	ND	1093.3	468.5	937.1	ND	3326.5	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	ND	ND	81.7	973.9	34.8	573.9	243.5	713.0	73.0	2693.9	114.8	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	55.6	595.2	15.9	500.0	293.7	293.7	15.9	1769.8	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	ND	ND	83.3	1387.9	49.1	1217.1	555.2	1153.1	94.0	4539.3	153.7	70.5	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	64.1	859.0	ND	743.6	256.4	769.2	38.5	2730.8	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	ND	ND	ND	1851.8	ND	1675.5	970.0	970.0	ND	5467.3	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	ND	NA	35.0	430.0	ND	250.0	230.0	420.0	25.0	1390.0	ND	56.0	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	ND	93.1	2095.2	52.4	1833.3	843.9	1746.0	128.0	6791.0	131.0	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
708.5	516.5	698.8	607.7	6380.8	ND	176.2	ND	941.9	9322.0	ND	ND	4253.8	ND	ND	ND	ND	ND	ND	60.8
708.5	98.0	210.0	450.0	5000.0	ND	120.0	ND	310.0	6188.0	ND	NA	68.0	ND	ND	ND	ND	ND	ND	18.0
710.2	429.5	1718.0	820.0	10542.3	ND	585.7	468.5	702.8	15266.8	ND	ND	390.5	780.9	ND	ND	780.9	ND	ND	89.8
710.2	243.5	1356.5	921.7	10956.5	ND	243.5	417.4	556.5	14695.7	ND	ND	330.4	260.9	ND	ND	260.9	ND	ND	26.1
710.2	261.9	666.7	460.3	5238.1	ND	246.0	1587.3	714.3	9174.6	ND	ND	150.8	ND	NA	NA	ND	ND	ND	ND
713.0	384.4	982.2	469.8	4697.6	277.6	875.5	427.1	198.6	8313.4	ND	ND	576.5	2049.9	1452.0	3416.4	6918.3	ND	ND	49.1
713.0	474.4	1666.7	756.4	6282.1	ND	ND	ND	846.2	10025.6	ND	ND	282.1	ND	ND	ND	ND	ND	ND	ND
713.0	599.6	2821.8	714.3	10581.8	ND	820.1	ND	846.5	16384.2	ND	ND	1322.7	88.2	ND	ND	88.2	ND	ND	ND
713.0	210.0	650.0	420.0	6100.0	ND	190.0	ND	330.0	7900.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	15.0
715.0	378.3	960.3	436.5	7275.1	145.5	785.7	ND	320.1	10301.6	ND	ND	843.9	611.1	ND	2706.3	3317.5	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
708.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3342.3	ND	ND	3342.3	ND	ND	NA
708.5	ND	ND	18.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3000.0	ND	ND	3000.0	NA	ND	NA
710.2	ND	ND	195.2	29.3	ND	ND	ND	ND	NA	NA	NA	ND	7418.7	ND	NA	7418.7	ND	ND	NA
710.2	ND	ND	80.0	ND	ND	ND	ND	ND	NA	NA	NA	ND	7304.3	ND	NA	7304.3	ND	ND	NA
710.2	ND	ND	ND	ND	ND	23.8	ND	ND	NA	NA	NA	1746.0	4682.5	ND	NA	6428.6	ND	ND	NA
713.0	ND	ND	98.2	ND	42.7	ND	ND	ND	NA	NA	NA	ND	11317.0	ND	NA	11317.0	ND	ND	NA
713.0	ND	ND	ND	ND	ND	25.6	ND	ND	NA	NA	NA	ND	7307.7	ND	NA	7307.7	ND	ND	NA
713.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	264.5	NA	ND	8465.5	ND	ND	8465.5	ND	ND	74072.7
713.0	ND	ND	12.0	ND	ND	ND	ND	NA	NA	240.0	NA	880.0	5000.0	ND	ND	5880.0	NA	ND	NA
715.0	ND	ND	98.9	ND	40.7	ND	ND	ND	ND	NA	NA	ND	20370.3	ND	NA	20370.3	ND	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	ND	ND	194.8	2478.7	83.2	1504.9	672.8	1770.5	159.3	6864.2	212.5	161.1	690.5
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	200.0	2350.0	50.0	2225.0	1050.0	1625.0	100.0	7600.0	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	ND	ND	ND	1900.0	ND	1636.1	1055.6	1266.7	68.6	5926.9	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	ND	NA	ND	680.0	ND	670.0	560.0	860.0	32.0	2802.0	ND	ND	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	ND	NA	44.0	590.0	24.0	590.0	340.0	580.0	ND	2168.0	340.0	75.0	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	ND	73.8	2953.0	ND	3187.9	1610.7	1946.3	ND	9771.8	ND	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	ND	ND	181.4	195.5	114.9	1169.1	463.6	1390.8	143.1	3658.4	705.5	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	ND	NA	ND	500.0	ND	540.0	440.0	880.0	100.0	2460.0	ND	ND	NA
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	ND	NA	29.0	570.0	39.0	330.0	180.0	180.0	33.0	1361.0	1600.0	3200.0	NA
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	ND	NA	25.0	130.0	21.0	140.0	38.0	75.0	28.0	457.0	570.0	1400.0	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
715.0	513.4	2832.8	903.0	13455.7	ND	138.1	548.9	460.3	18852.2	ND	ND	903.0	194.8	ND	ND	194.8	ND	ND	ND
715.0	475.0	2100.0	1750.0	11000.0	ND	125.0	1700.0	1500.0	18650.0	ND	ND	875.0	50.0	ND	ND	50.0	ND	ND	ND
715.0	517.2	1847.2	580.6	7916.7	ND	ND	ND	406.4	11268.0	ND	ND	1055.6	ND	ND	ND	ND	ND	ND	ND
715.0	200.0	450.0	390.0	8700.0	ND	ND	ND	390.0	10130.0	ND	NA	390.0	ND	ND	ND	ND	ND	ND	ND
715.0	110.0	400.0	150.0	5200.0	160.0	700.0	ND	520.0	7240.0	ND	NA	320.0	ND	ND	ND	ND	ND	ND	ND
717.0	ND	1107.4	436.2	5033.5	ND	503.4	ND	973.2	8053.7	NA	NA	1275.2	ND	ND	ND	ND	ND	ND	ND
717.0	116.9	3225.0	524.1	7457.8	ND	155.2	685.3	524.1	12688.4	ND	ND	806.3	32.3	ND	ND	32.3	ND	ND	ND
717.0	520.0	2300.0	1200.0	15000.0	ND	ND	680.0	1000.0	20700.0	ND	NA	700.0	ND	ND	ND	ND	ND	ND	ND
719.1	270.0	620.0	130.0	3900.0	420.0	2900.0	ND	ND	8240.0	ND	NA	630.0	150.0	330.0	400.0	880.0	ND	ND	40.0
719.1	110.0	360.0	69.0	2300.0	70.0	250.0	ND	190.0	3349.0	ND	NA	250.0	42.0	33.0	200.0	275.0	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
715.0	ND	ND	92.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	11685.3	ND	NA	11685.3	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	3000.0	11750.0	ND	NA	14750.0	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	258.6	NA	ND	5119.4	ND	ND	5119.4	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	NA	220.0	NA	ND	8700.0	ND	ND	8700.0	NA	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	150.0	NA	960.0	4500.0	1100.0	ND	6600.0	NA	3400.0	NA
717.0	NA	NA	NA	ND	161.1	ND	NA	NA	NA	NA	NA	ND	19463.1	ND	NA	19463.1	NA	ND	NA
717.0	ND	ND	133.0	ND	ND	28.2	ND	ND	ND	NA	NA	ND	8264.1	ND	NA	8264.1	ND	ND	NA
717.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	210.0	NA	12000.0	58000.0	ND	ND	70000.0	NA	ND	NA
719.1	ND	ND	110.0	ND	36.0	11.0	ND	NA	NA	4500.0	NA	2700.0	2700.0	1600.0	ND	7000.0	NA	ND	NA
719.1	ND	ND	89.0	11.0	31.0	11.0	ND	NA	NA	570.0	NA	1400.0	900.0	ND	ND	2300.0	NA	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	ND	ND	ND	138.5	ND	51.9	67.3	80.8	ND	338.5	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	ND	ND	963.0	ND	1037.0	296.3	703.7	77.8	3076.9	ND	ND	207.4
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	ND	ND	316.6	ND	244.7	102.2	302.2	28.8	994.5	77.7	532.5	ND
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	402.8	ND	375.0	208.3	291.7	41.7	1319.4	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/90	ND	ND	ND	234.3	ND	219.9	108.2	140.6	ND	703.0	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/21/87	ND	ND	34.9	801.7	ND	784.3	ND	714.6	80.2	2416.1	ND	ND	191.7
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	60.2	662.7	ND	566.3	241.0	433.7	48.2	2012.0	ND	ND	180.7
723.0	Newport Bay/Bay Island	TCM	12/21/90	ND	ND	ND	572.2	ND	495.9	267.0	362.4	38.1	1735.7	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/22/91	ND	NA	15.0	420.0	ND	370.0	230.0	490.0	44.0	1569.0	ND	ND	NA
723.4	Newport Bay/Turning Basin	TCM	12/21/87	25.1	ND	75.3	1682.0	40.2	1631.8	627.6	1631.8	225.9	5914.4	238.5	502.1	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
720.5	98.1	211.5	250.0	2115.4	ND	ND	ND	211.5	2886.5	ND	ND	59.6	ND	ND	ND	ND	ND	ND	63.5
721.0	359.3	1629.6	277.8	9259.3	174.1	740.7	ND	814.8	13256.4	ND	ND	370.4	2185.2	1111.1	13703.7	17000.0	ND	ND	70.4
721.0	230.3	978.7	316.6	5469.2	ND	72.0	ND	403.0	7469.7	ND	ND	201.5	172.7	ND	ND	172.7	ND	ND	30.2
721.0	194.4	902.8	277.8	4722.2	ND	111.1	ND	486.1	6694.4	ND	ND	194.4	ND	NA	NA	ND	ND	ND	41.7
721.0	ND	685.0	274.0	3605.3	ND	ND	ND	284.8	4849.1	ND	ND	183.9	ND	ND	ND	ND	ND	ND	ND
723.0	418.3	2440.0	400.9	10980.1	ND	366.0	418.3	592.6	15616.2	ND	ND	296.3	766.9	557.7	2265.7	3590.3	ND	ND	38.3
723.0	349.4	2289.2	807.2	9879.5	ND	96.4	1686.7	1036.1	16144.6	ND	ND	385.5	60.2	ND	ND	60.2	ND	ND	36.1
723.0	267.0	1640.4	343.3	5722.2	ND	ND	ND	362.4	8335.4	ND	ND	289.9	ND	ND	ND	ND	ND	ND	ND
723.0	210.0	1900.0	360.0	12000.0	ND	180.0	ND	630.0	15280.0	ND	NA	240.0	ND	ND	ND	ND	ND	ND	ND
723.4	753.2	3263.7	853.6	9791.0	138.1	577.4	878.7	577.4	16833.0	ND	ND	778.3	2058.6	1179.9	4518.9	7757.5	ND	ND	27.6

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
720.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.2	NA	ND	2115.4	ND	ND	2115.4	ND	ND	NA
721.0	ND	ND	55.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	11851.8	ND	NA	11851.8	ND	ND	NA
721.0	ND	ND	74.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	2734.6	ND	NA	2734.6	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	351.0	NA	ND	3611.1	ND	NA	3611.1	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	72.1	NA	ND	1586.3	ND	ND	1586.3	ND	ND	NA
723.0	ND	ND	62.7	ND	19.2	ND	ND	ND	ND	NA	NA	ND	9237.3	ND	NA	9237.3	ND	ND	NA
723.0	ND	ND	72.3	ND	ND	ND	ND	ND	ND	1438.0	NA	2168.7	5662.7	ND	NA	7831.3	ND	ND	33933.6
723.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	381.5	NA	ND	2708.5	ND	NA	2708.5	ND	ND	68666.7
723.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	290.0	NA	810.0	6100.0	ND	ND	6910.0	NA	ND	NA
723.4	ND	ND	97.9	ND	47.7	ND	ND	ND	ND	NA	NA	ND	15314.2	ND	NA	15314.2	ND	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	ND	ND	927.2	ND	683.2	414.8	683.2	ND	2708.4	ND	1000.4	ND
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	42.9	757.1	28.6	642.9	314.3	428.6	42.9	2257.1	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/21/90	ND	ND	36.5	1716.5	ND	913.0	657.4	1241.7	105.9	4671.1	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/22/91	ND	NA	55.0	940.0	ND	870.0	600.0	1200.0	ND	3665.0	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	ND	132.6	1616.6	159.6	2072.5	1119.2	1616.6	91.2	6808.2	414.5	248.7	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	ND	ND	86.8	1193.4	ND	813.7	379.7	940.3	112.1	3526.0	271.2	1392.3	904.1
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	24.7	703.7	ND	629.6	345.7	543.2	49.4	2296.3	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	ND	ND	ND	930.0	ND	3720.0	434.0	620.0	52.7	5756.7	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	ND	NA	33.0	440.0	ND	590.0	380.0	870.0	60.0	2373.0	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	ND	NA	29.0	820.0	ND	710.0	320.0	610.0	120.0	2609.0	2000.0	140.0	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
723.4	317.2	2562.0	366.0	5612.0	ND	117.1	ND	610.0	9584.3	ND	ND	658.8	439.2	ND	ND	439.2	ND	ND	ND
723.4	257.1	1428.6	228.6	7000.0	ND	ND	ND	371.4	9285.7	ND	ND	214.3	28.6	NA	NA	28.6	ND	ND	ND
723.4	303.1	2812.2	ND	10591.3	ND	ND	ND	803.5	14510.1	ND	ND	840.0	ND	ND	ND	ND	ND	ND	ND
723.4	530.0	2400.0	640.0	16000.0	ND	ND	ND	800.0	20370.0	ND	NA	640.0	ND	ND	ND	ND	ND	ND	ND
724.0	1533.7	3937.8	1160.6	15336.7	ND	1575.1	3316.0	2279.8	29139.6	NA	NA	1326.4	5388.6	NA	NA	5388.5	ND	NA	ND
724.0	560.5	3978.1	560.5	19890.4	ND	101.3	560.5	1121.1	26772.5	ND	ND	741.4	361.6	ND	ND	361.6	ND	ND	ND
724.0	469.1	2345.7	382.7	17283.9	ND	ND	518.5	728.4	21728.4	ND	ND	395.1	37.0	NA	NA	37.0	ND	ND	ND
724.0	496.0	1891.0	558.0	11160.0	ND	ND	ND	713.0	14818.0	ND	ND	558.0	ND	ND	ND	ND	ND	ND	ND
724.0	470.0	2800.0	570.0	19000.0	ND	ND	ND	980.0	23820.0	ND	NA	360.0	ND	ND	ND	ND	ND	ND	ND
724.0	290.0	1100.0	230.0	14000.0	290.0	1800.0	ND	650.0	18360.0	ND	NA	590.0	ND	ND	230.0	230.0	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
723.4	ND	ND	148.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	6100.0	ND	NA	6100.0	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1054.0	NA	1571.4	6714.3	ND	NA	8285.7	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	511.3	NA	ND	14608.7	ND	ND	14608.7	ND	ND	193565.3
723.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	400.0	NA	2800.0	18000.0	ND	ND	20800.0	NA	ND	NA
724.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	8290.1	ND	NA	8290.1	NA	ND	NA
724.0	ND	ND	128.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	7232.9	ND	NA	7232.9	ND	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1486.0	NA	ND	5925.9	ND	NA	5925.9	ND	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	303.8	NA	ND	5270.0	ND	ND	5270.0	ND	ND	102300.0
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	350.0	NA	980.0	9400.0	ND	ND	10380.0	NA	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	400.0	NA	ND	4800.0	460.0	ND	5300.0	NA	9400.0	42000.0

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inion
725.0	Newport Bay/Crows Nest	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/27/89	ND	ND	47.6	920.6	ND	650.8	476.2	761.9	111.1	2968.3	ND	79.4	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/90	ND	ND	42.0	930.0	ND	450.0	330.0	870.0	54.0	2676.0	ND	75.0	ND
725.0	Newport Bay/Crows Nest	TCM	12/22/91	ND	NA	ND	410.0	ND	520.0	410.0	910.0	96.0	2346.0	120.0	ND	NA
725.0	Newport Bay/Crows Nest	TCM	01/05/93	ND	NA	34.0	850.0	ND	600.0	400.0	630.0	220.0	2734.0	380.0	ND	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	ND	ND	27.0	756.0	ND	558.0	234.0	684.0	66.6	2325.6	198.0	1314.0	594.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	ND	ND	331.1	1568.4	59.3	1254.7	ND	1185.0	ND	4398.2	505.4	1097.9	784.2

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	444.4	2381.0	857.1	8095.2	ND	317.5	ND	1079.4	13174.6	ND	ND	619.0	31.7	NA	NA	31.7	ND	ND	31.7
725.0	450.0	1380.0	ND	8700.0	ND	ND	ND	750.0	11280.0	ND	ND	720.0	ND	ND	ND	ND	ND	ND	ND
725.0	490.0	2200.0	1200.0	15000.0	ND	ND	640.0	1100.0	20630.0	ND	NA	690.0	ND	ND	ND	ND	ND	ND	ND
725.0	300.0	1400.0	200.0	11000.0	120.0	420.0	ND	670.0	14110.0	ND	NA	1100.0	ND	ND	ND	ND	ND	ND	ND
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	252.0	2052.0	360.0	9360.0	ND	ND	ND	558.0	12582.0	ND	ND	558.0	432.0	ND	ND	432.0	ND	ND	ND
726.4	1097.9	6970.6	766.8	14986.8	ND	1028.2	1916.9	1150.1	27917.3	ND	ND	627.4	2962.5	ND	ND	2962.5	ND	540.2	43.6

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	46753.2	ND	NA	46753.2	NA	NA	248305.0
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3597.1	55014.5	ND	NA	58611.6	NA	NA	NA
725.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1321.0	NA	20634.9	44444.4	ND	NA	65079.4	ND	NA	103098.5
725.0	ND	ND	ND	ND	33.0	ND	ND	ND	ND	330.0	NA	8100.0	45000.0	ND	ND	53100.0	ND	ND	273000.0
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	330.0	NA	12000.0	55000.0	ND	ND	67000.0	NA	ND	NA
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	6800.0	33000.0	ND	ND	40000.0	NA	ND	120000.0
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	19354.6	ND	NA	19354.6	NA	NA	159440.0
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	51622.6	ND	NA	51622.6	NA	NA	NA
726.2	ND	ND	106.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	3600.0	ND	NA	3600.0	ND	ND	NA
726.4	ND	ND	209.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	6970.6	ND	NA	6970.6	ND	ND	NA

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NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	ND	44.9	940.0	ND	662.3	256.4	662.3	85.5	2651.2	256.4	1046.8	726.4
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	76.9	711.5	ND	557.7	384.6	826.9	96.2	2653.8	173.1	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	ND	ND	ND	727.7	ND	535.1	299.6	556.5	72.8	2191.7	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	ND	NA	ND	440.0	ND	360.0	310.0	660.0	49.0	1819.0	ND	ND	NA
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	ND	NA	ND	330.0	ND	400.0	130.0	310.0	33.0	1203.0	100.0	ND	NA
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	ND	ND	59.8	361.1	113.5	319.8	185.7	350.7	10.3	1400.9	722.1	28.9	2372.6
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	ND	NA	14.0	120.0	14.0	81.0	57.0	110.0	18.0	414.0	760.0	110.0	NA
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	ND	ND	106.9	658.1	ND	90.5	ND	767.7	ND	1623.2	137.1	1371.0	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	81.6	775.5	112.2	591.8	285.7	316.3	20.4	2183.7	2040.8	2959.2	ND
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	ND	ND	68.9	799.2	107.0	577.9	258.2	700.8	30.7	2542.6	1229.5	528.7	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
726.4	534.1	2093.6	277.7	11963.6	ND	405.9	448.6	320.5	16044.1	ND	ND	875.9	160.2	ND	4486.4	4646.6	ND	897.3	ND
726.4	365.4	1596.2	1807.7	9807.7	ND	ND	846.2	1057.7	15480.8	ND	ND	576.9	38.5	ND	ND	38.5	ND	ND	ND
726.4	ND	1027.4	920.4	4922.8	ND	ND	ND	ND	6870.5	ND	ND	342.5	ND	ND	ND	ND	ND	ND	ND
726.4	350.0	1600.0	1000.0	9500.0	ND	ND	480.0	190.0	13120.0	ND	NA	410.0	ND	ND	ND	ND	ND	ND	ND
726.4	81.0	120.0	220.0	3000.0	ND	220.0	ND	500.0	4141.0	ND	NA	160.0	ND	ND	ND	ND	ND	ND	22.0
727.0	175.4	309.5	ND	1134.7	175.4	887.2	ND	288.8	2970.9	ND	ND	557.1	ND	ND	ND	ND	ND	ND	ND
727.0	110.0	260.0	65.0	1400.0	26.0	97.0	ND	140.0	2098.0	ND	NA	96.0	ND	ND	58.0	58.0	ND	ND	ND
728.4	370.2	3290.3	164.5	19193.6	1645.2	4798.4	ND	370.2	29832.3	ND	ND	493.5	603.2	10008.1	24677.4	35288.7	ND	ND	ND
728.4	765.3	1836.7	295.9	7959.2	285.7	2959.2	ND	285.7	14387.8	ND	ND	244.9	918.4	836.7	2244.9	4000.0	ND	ND	ND
728.4	541.0	2459.0	221.3	7008.2	799.2	2950.8	ND	479.5	14459.0	ND	6516.4	270.5	ND	ND	1094.3	1094.3	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
726.4	ND	ND	121.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	2029.5	ND	NA	2029.5	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1193.0	NA	17307.7	76923.1	ND	NA	94230.8	ND	ND	149853.9
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	111.3	NA	ND	27824.6	ND	ND	27824.6	ND	ND	107017.5
726.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	300.0	NA	8500.0	41000.0	ND	ND	49500.0	NA	ND	NA
726.4	ND	ND	26.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3100.0	380.0	ND	3500.0	NA	ND	42000.0
727.0	ND	ND	ND	ND	13.4	28.9	ND	ND	ND	2991.6	NA	515.8	2578.9	ND	ND	3094.7	ND	ND	NA
727.0	ND	ND	ND	ND	ND	7.5	ND	NA	NA	470.0	NA	310.0	1000.0	ND	ND	1300.0	NA	ND	NA
728.4	ND	ND	ND	ND	ND	27.4	ND	ND	ND	NA	NA	ND	3701.6	ND	NA	3701.6	ND	ND	NA
728.4	ND	ND	51.0	ND	ND	40.8	ND	ND	ND	26714.0	NA	ND	4387.8	ND	NA	4387.8	ND	12244.9	NA
728.4	ND	ND	ND	ND	49.2	22.1	ND	ND	ND	9836.1	NA	ND	3688.5	ND	ND	3688.5	ND	ND	NA

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	ND	NA	16.0	170.0	34.0	120.0	68.0	130.0	24.0	562.0	2200.0	430.0	NA
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	78.7	708.7	102.4	614.2	259.8	259.8	15.7	2039.4	1968.5	2362.2	ND
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	ND	177.8	1185.2	ND	888.9	ND	1259.3	69.6	3580.9	ND	503.7	ND
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	ND	ND	44.9	563.5	74.1	396.5	271.3	396.5	ND	1746.8	3965.2	1043.5	ND
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	ND	NA	19.0	220.0	49.0	140.0	91.0	160.0	38.0	717.0	3500.0	370.0	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	ND	129.1	1376.6	249.5	1892.9	946.4	1376.6	49.9	6020.9	3355.6	1118.5	ND
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	31.9	234.0	53.2	234.0	276.6	234.0	ND	1063.8	212.8	ND	ND
735.0	Corona Del Mar	RCM	12/26/90	ND	ND	ND	248.9	ND	258.0	99.6	162.9	ND	769.5	ND	ND	ND
735.0	Corona Del Mar	RCM	11/29/91	ND	NA	ND	51.0	ND	ND	ND	100.0	ND	151.0	150.0	ND	NA
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	ND	NA	ND	94.0	ND	66.0	48.0	85.0	ND	293.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
728.4	130.0	330.0	65.0	2100.0	140.0	810.0	ND	250.0	3825.0	ND	NA	150.0	ND	ND	160.0	160.0	ND	ND	ND
728.5	700.8	2519.7	157.5	6141.7	ND	ND	ND	141.7	9661.4	ND	ND	110.2	732.3	700.8	2126.0	3559.1	ND	ND	ND
728.6	1037.0	4666.7	888.9	18518.5	2000.0	7185.2	ND	333.3	34629.6	2000.0	22962.9	303.7	10370.4	ND	ND	10370.4	ND	ND	28.1
728.7	427.8	1669.6	187.8	3756.5	490.4	2087.0	ND	125.2	8744.3	594.8	39652.2	146.1	ND	ND	ND	ND	ND	ND	ND
728.7	87.0	350.0	87.0	3100.0	360.0	1500.0	ND	300.0	5784.0	ND	NA	240.0	ND	ND	140.0	140.0	ND	ND	ND
728.8	344.2	826.0	137.7	7915.7	3613.7	10324.8	ND	ND	23162.0	NA	NA	275.3	ND	NA	NA	ND	ND	NA	ND
728.9	ND	ND	ND	2553.2	180.9	1489.4	ND	ND	4223.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
735.0	ND	814.7	ND	3440.0	ND	ND	ND	262.5	4517.3	ND	ND	239.9	ND	NA	NA	ND	ND	ND	135.8
735.0	ND	ND	160.0	2500.0	ND	ND	ND	250.0	2910.0	ND	NA	82.0	ND	ND	ND	ND	ND	ND	43.0
740.0	ND	72.0	73.0	980.0	ND	ND	ND	ND	1125.0	ND	NA	26.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon-tin	Toxa-phene	Tri-butyl-
728.4	ND	ND	ND	ND	18.0	12.0	ND	NA	NA	3200.0	NA	380.0	800.0	160.0	ND	1300.0	NA	5400.0	NA
728.5	ND	ND	39.4	ND	23.6	23.6	ND	ND	ND	24756.0	NA	ND	2677.2	ND	NA	2677.2	ND	7874.0	NA
728.6	ND	ND	65.2	43.7	61.5	81.5	ND	ND	ND	NA	ND	ND	1111.1	ND	NA	1111.1	74.1	22962.9	NA
728.7	ND	ND	ND	ND	ND	61.6	ND	ND	ND	3547.8	NA	ND	1356.5	ND	ND	1356.5	ND	ND	NA
728.7	ND	ND	ND	ND	27.0	13.0	ND	NA	NA	1600.0	NA	350.0	1000.0	ND	ND	1300.0	NA	8600.0	NA
728.8	NA	NA	NA	ND	ND	22.4	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	1899.0	NA	ND	1063.8	361.7	NA	1478.7	ND	4042.6	NA
735.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	8600.0	ND	ND	8600.0	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2000.0	ND	ND	2000.0	NA	ND	NA
740.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2400.0	ND	ND	2400.0	NA	ND	41000.0

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected



## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	77.6	ND	51.0	ND	39.9	ND	168.5	ND	ND	ND
744.1	San Onofre 1	TCM	09/27/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/12/91	ND	ND	ND	151.0	ND	97.7	44.4	59.2	ND	352.3	ND	ND	ND
744.1	San Onofre 1	TCM	10/24/91	ND	NA	ND	62.0	ND	16.0	ND	79.0	ND	157.0	ND	26.0	NA
744.1	San Onofre 1	TCM	03/25/92	ND	NA	ND	95.0	ND	40.0	28.0	45.0	ND	208.0	ND	ND	NA
744.2	San Onofre 2	TCM	01/30/89	ND	ND	ND	37.5	ND	44.0	ND	16.3	ND	97.8	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	51.9	ND	37.0	ND	59.3	ND	148.1	ND	ND	ND
744.2	San Onofre 2	TCM	10/01/90	ND	ND	ND	33.6	ND	24.0	ND	ND	ND	81.6	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	ND	ND	ND	142.5	ND	99.3	43.3	86.5	ND	371.6	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	ND	NA	ND	79.0	ND	36.0	17.0	69.0	ND	201.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.1	ND	ND	84.3	1263.9	ND	ND	ND	ND	1348.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	93.1
744.1	ND	93.9	ND	727.5	ND	ND	ND	ND	821.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.2
744.1	ND	263.5	ND	2694.3	ND	ND	ND	ND	2957.8	ND	ND	29.6	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	170.0	1900.0	ND	ND	130.0	ND	2200.0	ND	NA	92.0	ND	ND	ND	ND	ND	ND	ND
744.1	92.0	120.0	160.0	2100.0	ND	140.0	ND	190.0	2802.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	27.0
744.2	81.5	122.2	ND	733.3	ND	ND	ND	ND	937.0	ND	ND	37.5	37.5	ND	ND	37.5	ND	ND	70.1
744.2	ND	44.4	66.7	814.8	ND	59.3	ND	ND	985.2	ND	ND	81.5	ND	ND	ND	ND	ND	ND	59.3
744.2	ND	100.8	ND	624.0	ND	ND	ND	ND	724.8	ND	ND	28.8	ND	ND	ND	ND	ND	ND	120.0
744.2	ND	216.4	ND	2545.5	ND	ND	ND	178.2	2940.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.2
744.2	ND	170.0	150.0	1900.0	ND	98.0	ND	ND	2318.0	ND	NA	92.0	ND	ND	ND	ND	ND	ND	30.0

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon tin	Toxa-phene	Tri-butyl-
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	332.6	ND	NA	332.6	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	621.8	ND	ND	621.8	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1000.0	ND	ND	1000.0	NA	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	730.0	ND	ND	730.0	NA	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	163.0	ND	NA	163.0	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	577.8	ND	NA	577.8	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	5520.0	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	661.8	ND	ND	661.8	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	480.0	ND	ND	480.0	NA	ND	NA

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	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	Diaz- inon
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	43.5	ND	ND	ND	ND	ND	43.5	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	28.6	ND	ND	ND	14.3	ND	42.9	ND	35.7	ND
744.3	San Onofre 3	TCM	09/27/90	ND	ND	ND	23.4	ND	19.8	ND	32.4	ND	75.6	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	ND	ND	ND	74.3	ND	58.3	17.5	37.9	ND	188.0	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	NA	ND	77.0	ND	32.0	ND	65.0	ND	174.0	ND	ND	NA
744.4	San Onofre 4	TCM	01/30/89	ND	ND	ND	60.5	ND	34.2	18.4	23.7	ND	136.8	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	30.1	ND	30.1	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	33.7	ND	22.5	11.2	16.9	ND	84.3	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	ND	ND	ND	88.1	ND	61.2	ND	51.4	ND	200.8	ND	ND	ND
744.4	San Onofre 4	TCM	10/24/91	ND	NA	ND	64.0	ND	19.0	ND	30.0	ND	113.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
744.3	ND	ND	ND	617.4	ND	ND	ND	ND	617.4	ND	ND	26.1	ND	ND	ND	ND	ND	ND	43.5
744.3	71.4	207.1	64.3	1142.9	ND	ND	ND	ND	1485.7	ND	ND	21.4	ND	ND	ND	ND	ND	ND	50.0
744.3	ND	102.6	102.6	486.0	ND	ND	ND	ND	691.2	ND	ND	ND	ND	NA	ND	NA	NA	ND	82.8
744.3	ND	116.6	ND	1457.6	ND	104.9	ND	145.8	1824.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	320.7
744.3	ND	150.0	150.0	1900.0	ND	66.0	ND	81.0	2347.0	ND	NA	79.0	ND	ND	ND	ND	ND	ND	22.0
744.4	ND	84.2	51.3	1052.4	ND	ND	ND	ND	1187.9	ND	ND	34.2	ND	ND	ND	ND	ND	ND	64.5
744.4	ND	82.7	82.7	646.6	ND	97.7	ND	ND	909.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.2
744.4	ND	78.7	89.9	786.5	ND	50.6	ND	84.3	1089.9	ND	ND	112.4	11.2	ND	ND	11.2	ND	ND	28.1
744.4	ND	ND	ND	1689.3	ND	ND	ND	ND	1689.3	ND	NA	26.9	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	110.0	1400.0	ND	ND	ND	ND	1510.0	ND	NA	57.0	ND	ND	ND	ND	ND	ND	18.0

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon tin	Toxa- phene	Tri- butyl-
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	313.0	ND	NA	313.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	257.1	ND	NA	257.1	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	180.0	ND	NA	180.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	466.4	ND	NA	466.4	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	450.0	ND	NA	450.0	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	263.1	ND	NA	263.1	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	526.3	ND	NA	526.3	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	151.7	ND	NA	151.7	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	400.0	ND	NA	400.0	NA	ND	NA

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RBM = Resident Bay Mussel  
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RFC = Resident Fresh Water Clam  
SED = Sediment

NA = Not Analyzed  
ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- ion
744.4	San Onofre 4	TCM	03/25/92	ND	NA	ND	74.0	ND	57.0	14.0	65.0	ND	210.0	ND	ND	NA
744.5	San Onofre 5	TCM	01/30/89	ND	ND	ND	49.8	ND	42.7	ND	ND	ND	92.5	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	ND	ND	13.9	ND	13.9	ND	27.8	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	12.9	ND	ND	ND	12.9	ND	25.8	ND	ND	ND
744.5	San Onofre 5	TCM	10/01/90	ND	ND	ND	33.0	ND	33.0	ND	ND	ND	65.9	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	ND	ND	ND	111.5	ND	58.9	25.2	42.1	ND	237.6	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	NA	ND	69.0	ND	35.0	18.0	69.0	ND	191.0	ND	ND	NA
744.6	San Onofre 6	TCM	01/30/89	ND	ND	ND	60.7	ND	43.3	ND	39.9	ND	143.9	ND	ND	ND
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	25.3	ND	25.3	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	52.3	ND	13.1	ND	13.1	ND	78.4	ND	ND	ND

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
744.4	ND	110.0	130.0	1800.0	ND	170.0	ND	ND	2210.0	ND	NA	182.0	ND	ND	ND	ND	ND	ND	21.0
744.5	ND	ND	ND	925.5	ND	ND	ND	ND	925.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	69.8
744.5	ND	55.6	62.5	833.3	55.6	90.3	ND	ND	1097.2	ND	ND	69.4	ND	ND	ND	ND	ND	ND	48.6
744.5	ND	77.4	71.0	967.7	ND	ND	ND	ND	1116.1	ND	ND	12.9	ND	ND	ND	ND	ND	ND	ND
744.5	ND	162.1	ND	879.1	ND	ND	ND	ND	1041.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	162.1
744.5	ND	119.9	ND	1682.4	ND	ND	ND	ND	1802.2	ND	ND	27.3	ND	ND	ND	ND	ND	ND	31.5
744.5	ND	100.0	140.0	1800.0	ND	150.0	ND	74.0	2264.0	ND	NA	79.0	ND	ND	ND	ND	ND	ND	23.0
744.6	ND	91.9	76.3	710.7	ND	ND	ND	ND	878.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	79.7
744.6	ND	ND	113.9	759.5	ND	50.6	ND	ND	924.1	ND	ND	82.3	ND	ND	ND	ND	ND	ND	ND
744.6	ND	176.5	65.4	915.0	ND	ND	ND	ND	1156.9	ND	ND	32.7	ND	ND	ND	ND	ND	ND	32.7

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon tin	Toxa- phene	Tri- butyl-
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	690.0	ND	ND	690.0	NA	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	284.8	ND	NA	284.8	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	548.6	ND	NA	548.6	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	174.2	ND	NA	174.2	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	274.7	ND	ND	274.7	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	336.5	ND	ND	336.5	ND	ND	NA
744.5	ND	ND	11.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	730.0	ND	ND	730.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	173.3	ND	NA	173.3	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
744.6	ND	ND	13.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	150.3	ND	NA	150.3	ND	ND	NA

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\* RCM = Resident California Mussel  
RBM = Resident Bay Mussel  
TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
RFC = Resident Fresh Water Clam  
SED = Sediment

NA = Not Analyzed  
ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
744.6	San Onofre 6	TCM	09/27/90	ND	ND	ND	30.6	ND	21.0	ND	25.8	ND	77.4	ND	ND	ND
744.6	San Onofre 6	TCM	03/12/91	ND	ND	ND	74.7	ND	43.0	22.4	44.8	ND	185.0	ND	ND	ND
744.6	San Onofre 6	TCM	10/24/91	ND	NA	ND	76.0	ND	ND	ND	ND	ND	76.0	ND	ND	NA
744.6	San Onofre 6	TCM	03/25/92	ND	NA	ND	74.0	ND	25.0	17.0	43.0	ND	159.0	ND	ND	NA
748.0	Oceanside/Harbor	TCM	12/21/91	ND	NA	ND	140.0	ND	ND	55.0	93.0	ND	288.0	ND	ND	NA
750.0	Oceanside	RCM	12/21/87	ND	ND	ND	ND	ND	ND	100.0	195.0	ND	294.1	ND	ND	ND
750.0	Oceanside	RCM	12/20/88	ND	ND	ND	87.5	ND	105.0	ND	95.0	ND	287.5	ND	ND	ND
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	387.1	ND	258.1	64.5	96.8	ND	806.5	ND	ND	ND
750.0	Oceanside	RCM	12/22/90	ND	ND	ND	51.5	ND	66.5	23.6	53.7	ND	195.3	ND	ND	ND
750.0	Oceanside	RCM	12/21/91	ND	NA	ND	59.0	ND	ND	ND	ND	ND	59.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.6	ND	69.3	85.5	419.3	ND	ND	ND	ND	574.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	79.0
744.6	ND	ND	ND	1663.1	ND	171.9	ND	130.8	1965.9	ND	ND	31.8	ND	ND	ND	ND	ND	ND	31.8
744.6	ND	ND	93.0	1200.0	ND	ND	ND	ND	1293.0	ND	NA	100.0	ND	ND	ND	ND	ND	ND	ND
744.6	ND	110.0	160.0	1800.0	ND	57.0	ND	ND	2127.0	ND	NA	93.0	ND	ND	ND	ND	ND	ND	27.0
748.0	ND	210.0	200.0	2700.0	ND	ND	ND	ND	3110.0	ND	NA	90.0	ND	ND	ND	ND	ND	ND	ND
750.0	ND	165.0	ND	2050.0	ND	240.0	ND	ND	2555.9	ND	ND	100.0	155.0	ND	2650.0	2805.9	ND	ND	250.0
750.0	ND	177.5	ND	925.0	ND	ND	ND	ND	1102.5	ND	ND	107.5	125.0	ND	ND	125.0	ND	ND	125.0
750.0	ND	290.3	ND	1225.8	ND	354.8	ND	ND	1871.0	ND	ND	161.3	64.5	NA	NA	64.5	ND	ND	129.0
750.0	ND	236.1	ND	665.3	ND	ND	ND	ND	901.3	ND	ND	ND	21.5	ND	ND	21.5	ND	ND	27.9
750.0	ND	ND	ND	810.0	ND	ND	ND	ND	810.0	ND	NA	41.0	33.0	ND	ND	33.0	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon tin	Toxa-phene	Tri-butyl-
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	241.9	ND	ND	241.9	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	411.1	ND	ND	411.1	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	310.0	ND	ND	310.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	580.0	ND	ND	580.0	NA	ND	NA
748.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	8200.0	ND	ND	8200.0	NA	ND	32000.0
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1250.0	ND	NA	1250.0	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2387.1	ND	NA	2387.1	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1158.9	ND	ND	1158.9	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	440.0	ND	ND	440.0	NA	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
750.0	Oceanside	RCM	09/09/92	ND	NA	ND	66.0	ND	70.0	26.0	45.0	ND	207.0	ND	ND	NA
832.0	La Jolla	RCM	12/22/90	ND	ND	ND	45.0	ND	45.0	ND	29.1	ND	119.3	ND	ND	ND
832.0	La Jolla	RCM	11/26/91	ND	NA	ND	43.0	ND	53.0	ND	ND	ND	96.0	ND	ND	NA
832.0	La Jolla	RCM	01/05/93	ND	NA	ND	58.0	ND	48.0	ND	39.0	ND	145.0	ND	ND	NA
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	ND	ND	ND	70.0	ND	77.0	38.5	56.0	ND	241.5	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	485.7	ND	285.7	257.1	257.1	85.7	1371.4	ND	ND	ND
866.0	Fisherman Channel	TCM	12/22/90	ND	ND	ND	66.2	ND	60.5	45.4	43.5	ND	215.6	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	169.8	ND	132.1	94.3	37.7	ND	434.0	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/22/90	ND	ND	ND	107.3	ND	93.9	83.2	77.8	ND	362.3	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/91	ND	NA	ND	110.0	ND	27.0	48.0	63.0	ND	248.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
750.0	ND	68.0	73.0	1300.0	ND	120.0	ND	ND	1561.0	ND	NA	54.0	25.0	ND	ND	25.0	ND	ND	39.0
832.0	ND	ND	ND	182.9	ND	ND	ND	ND	182.9	ND	ND	26.5	ND	NA	NA	ND	ND	ND	63.6
832.0	ND	ND	ND	290.0	ND	ND	ND	ND	290.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	61.0
832.0	ND	ND	ND	360.0	ND	ND	ND	ND	360.0	ND	NA	66.0	ND	ND	ND	ND	ND	ND	ND
838.2	ND	ND	ND	560.0	ND	ND	ND	ND	560.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
865.0	ND	171.4	ND	257.1	ND	ND	ND	ND	428.6	ND	ND	428.6	ND	ND	ND	ND	ND	ND	ND
866.0	ND	68.1	ND	227.0	ND	ND	ND	ND	295.1	ND	ND	39.7	ND	NA	NA	ND	ND	ND	18.9
868.5	ND	113.2	ND	471.7	ND	ND	ND	ND	584.9	ND	ND	132.1	ND	ND	ND	ND	ND	ND	ND
868.5	ND	126.1	ND	429.4	ND	ND	ND	ND	555.5	ND	ND	75.1	ND	NA	NA	ND	ND	ND	ND
868.5	ND	ND	ND	830.0	ND	ND	ND	ND	830.0	ND	NA	85.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon tin	Toxa-phene	Tri-butyl-
750.0	ND	ND	22.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	1100.0	ND	ND	1100.0	NA	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	700.0	ND	ND	700.0	NA	ND	NA
838.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	685.7	ND	NA	685.7	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1191.7	ND	ND	1191.7	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2452.8	ND	NA	2452.8	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2281.0	ND	ND	2281.0	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3100.0	ND	ND	3100.0	NA	ND	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

**APPENDIX P (continued)**

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
868.6	Mission Bay/Landfill 2	TCM	12/21/91	ND	NA	ND	100.0	ND	68.0	47.0	56.0	ND	271.0	ND	ND	NA
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	ND	ND	ND	139.7	ND	93.7	80.9	91.9	ND	406.2	ND	ND	ND
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	ND	NA	ND	180.0	ND	68.0	94.0	120.0	ND	462.0	ND	ND	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	ND	ND	ND	207.2	ND	226.1	60.3	152.6	ND	646.8	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	ND	ND	ND	275.9	ND	157.6	59.1	256.2	ND	748.8	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	ND	NA	ND	220.0	ND	190.0	160.0	170.0	64.0	804.0	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	290.0	ND	180.0	130.0	180.0	ND	780.0	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	330.0	ND	140.0	130.0	99.0	37.0	736.0	ND	ND	NA
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
868.6	ND	ND	110.0	630.0	ND	ND	ND	47.0	787.0	ND	NA	89.0	ND	ND	ND	ND	ND	ND	ND
881.3	ND	312.4	ND	551.4	ND	99.2	ND	ND	963.0	ND	ND	18.4	ND	NA	NA	ND	ND	ND	ND
881.3	ND	ND	140.0	780.0	ND	ND	ND	ND	920.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
882.7	ND	122.5	301.4	357.9	ND	433.3	ND	ND	1215.1	ND	ND	98.0	ND	NA	NA	ND	ND	ND	ND
882.7	ND	295.6	374.4	729.1	ND	110.4	ND	ND	1509.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
882.7	ND	100.0	ND	310.0	ND	82.0	ND	100.0	592.0	ND	NA	140.0	ND	ND	ND	ND	ND	ND	ND
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	ND	130.0	230.0	670.0	ND	240.0	ND	ND	1270.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	ND
882.8	ND	140.0	390.0	810.0	ND	210.0	ND	ND	1550.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	21.0
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon tin	Toxa-phene	Tri-butyl-
868.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3000.0	ND	ND	3000.0	NA	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	4594.6	ND	ND	4594.6	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	5600.0	ND	ND	5600.0	NA	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13940.7	ND	NA	13940.7	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	29558.8	ND	NA	29558.8	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	10000.0	ND	ND	10000.0	NA	ND	NA
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	16076.9	ND	NA	16076.9	NA	NA	NA
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	15000.0	4000.0	ND	19000.0	NA	ND	20000.0
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	2100.0	22000.0	3900.0	ND	28000.0	NA	ND	26000.0
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	23896.6	ND	NA	23896.6	NA	NA	NA

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\* RCM = Resident California Mussel  
 RBM = Resident Bay Mussel  
 TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam  
 RFC = Resident Fresh Water Clam  
 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	ND	ND	25.7	385.1	ND	224.7	123.6	417.2	ND	1176.2	ND	ND	ND
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	ND	NA	ND	210.0	ND	140.0	150.0	150.0	ND	650.0	ND	ND	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	ND	NA	ND	200.0	ND	140.0	180.0	140.0	56.0	716.0	ND	ND	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	ND	ND	ND	ND	ND	176.6	114.8	264.9	ND	556.3	ND	ND	ND
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	San Diego Bay/Evans Street	TCM	12/22/90	ND	ND	ND	495.0	ND	387.0	225.0	333.0	ND	1440.0	ND	ND	ND
887.0	San Diego Bay/Evans Street	TCM	12/21/91	ND	NA	ND	220.0	ND	120.0	97.0	170.0	23.0	630.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
883.1	ND	513.5	192.6	625.8	ND	125.2	ND	ND	1457.0	ND	ND	65.8	ND	NA	NA	ND	ND	ND	ND
883.4	50.0	77.0	ND	370.0	ND	ND	ND	93.0	590.0	ND	NA	94.0	ND	ND	ND	ND	ND	ND	ND
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.7	ND	73.0	ND	380.0	ND	ND	ND	ND	453.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	ND
885.2	ND	529.8	143.5	618.1	170.0	353.2	ND	ND	1814.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	ND	540.0	1080.0	ND	ND	180.0	ND	ND	1800.0	ND	ND	225.0	ND	NA	NA	ND	ND	ND	ND
887.0	ND	190.0	130.0	670.0	ND	ND	ND	ND	990.0	ND	NA	81.0	ND	NA	NA	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon tin	Toxa-phene	Tri-butyl-
883.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13158.1	ND	NA	13158.1	ND	ND	NA
883.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	15000.0	ND	ND	15000.0	NA	ND	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15600.0	ND	NA	15600.0	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15992.8	ND	NA	15992.8	NA	NA	NA
883.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	13000.0	440.0	ND	13000.0	NA	ND	NA
885.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	18984.9	ND	NA	18984.9	ND	ND	NA
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	13247.3	ND	NA	13247.3	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	28646.2	ND	NA	28646.2	NA	NA	NA
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	16650.0	ND	ND	16650.0	ND	ND	NA
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	14000.0	ND	ND	14000.0	NA	ND	13000.0

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 SED = Sediment

NA = Not Analyzed  
 ND = Not Detected

## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
887.0	San Diego Bay/Evans Street	TCM	01/05/93	ND	NA	ND	210.0	ND	220.0	180.0	200.0	57.0	867.0	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	ND	NA	ND	340.0	ND	250.0	190.0	320.0	57.0	1157.0	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	ND	NA	ND	280.0	ND	190.0	190.0	160.0	64.0	884.0	ND	ND	NA
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	ND	NA	ND	390.0	ND	360.0	250.0	300.0	54.0	1354.0	110.0	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	ND	ND	270.8	875.0	ND	750.0	291.7	687.5	ND	2875.0	895.8	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	ND	ND	ND	714.4	ND	526.4	191.8	526.4	ND	1959.0	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	360.0	NA	ND	280.0	ND	270.0	110.0	240.0	ND	900.0	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	34.0	NA	ND	390.0	22.0	350.0	180.0	160.0	56.0	1158.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
887.0	85.0	110.0	ND	420.0	ND	93.0	ND	150.0	858.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	ND
888.0	ND	84.0	130.0	620.0	ND	ND	ND	ND	834.0	ND	NA	63.0	ND	ND	ND	ND	ND	ND	ND
888.0	ND	140.0	ND	450.0	ND	ND	ND	ND	590.0	ND	NA	320.0	ND	ND	ND	ND	ND	ND	ND
893.0	ND	76.0	ND	540.0	ND	240.0	ND	170.0	1026.0	ND	NA	170.0	ND	ND	ND	ND	ND	ND	ND
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	1312.5	4375.0	2062.5	1562.5	ND	ND	1229.2	666.7	11208.3	ND	ND	104.2	ND	ND	ND	ND	ND	ND	ND
894.0	977.6	2594.4	ND	1428.8	ND	195.5	ND	ND	5196.3	ND	ND	188.0	ND	NA	NA	ND	ND	ND	ND
894.0	830.0	1800.0	1300.0	2200.0	ND	320.0	ND	320.0	6770.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
894.0	460.0	1100.0	ND	660.0	98.0	560.0	ND	180.0	3058.0	550.0	NA	200.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon tin	Toxa-phene	Tri-butyl-
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	20000.0	ND	ND	20000.0	NA	ND	23000.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	18000.0	ND	ND	18000.0	NA	ND	18000.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	13000.0	ND	ND	13000.0	NA	ND	17000.0
893.0	ND	ND	37.0	ND	49.0	ND	ND	NA	NA	ND	NA	3300.0	20000.0	ND	ND	23000.0	NA	ND	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216186.8	126829.6	ND	NA	343016.4	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217066.7	239266.7	ND	NA	456333.4	NA	NA	NA
894.0	ND	ND	187.5	ND	ND	ND	ND	ND	ND	NA	NA	110416.7	143750.0	1458.3	NA	254166.7	ND	ND	28122.8
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	169.2	NA	169200.0	172960.0	ND	ND	342160.1	ND	ND	NA
894.0	ND	ND	ND	230.0	ND	ND	ND	NA	NA	ND	NA	60000.0	90000.0	ND	ND	150000.0	NA	ND	8900.0
894.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	74000.0	55000.0	ND	ND	130000.0	NA	ND	17.0

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 ND = Not Detected



## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	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	Diaz-inon
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93	ND	NA	ND	250.0	ND	210.0	200.0	200.0	ND	860.0	100.0	ND	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	01/05/93	ND	NA	ND	410.0	ND	460.0	270.0	330.0	90.0	1560.0	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	ND	NA	ND	140.0	ND	72.0	48.0	99.0	17.0	376.0	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	ND	NA	ND	100.0	ND	75.0	51.0	48.0	25.0	299.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	ND	130.0	ND	460.0	ND	240.0	ND	ND	830.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	ND
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	370.0	580.0	87.0	1800.0	160.0	570.0	ND	290.0	3857.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	ND
899.0	71.0	130.0	99.0	580.0	ND	ND	ND	ND	880.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	21.0
899.0	ND	110.0	ND	440.0	ND	ND	ND	ND	550.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	ND

  

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-parathion	Methyl-parathion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon tin	Toxa-phene	Tri-butyl-
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5140.4	43372.3	ND	NA	48512.8	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15950.0	63800.0	ND	NA	79750.0	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	88045.5	207697.0	ND	NA	295742.4	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	26274.0	ND	NA	26274.0	NA	NA	NA
895.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	2200.0	13000.0	ND	ND	15000.0	NA	ND	NA
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	40564.0	ND	NA	40564.0	NA	NA	178257.0
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	84436.4	ND	NA	84436.4	NA	NA	NA
898.0	ND	ND	ND	29.0	ND	ND	ND	NA	NA	ND	NA	ND	44000.0	ND	ND	44000.0	NA	ND	170000.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	6100.0	1200.0	ND	7300.0	NA	ND	6100.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	6500.0	ND	ND	6500.0	NA	ND	17000.0

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## APPENDIX P (continued)

### State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorben- side	alpha- Chlor- dene	cis- Chlor- dane	gamma- Chlor- dene	trans- Chlor- dane	cis- Non- chlor	trans- Non- chlor	Oxy- chlor- dane	Total Chlor- dane	Chlor- pyrifos	Dacthal	Diaz- inon
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	ND	NA	ND	320.0	ND	250.0	190.0	200.0	66.0	1026.0	81.0	ND	NA
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	ND	NA	ND	100.0	ND	30.0	20.0	35.0	ND	185.0	ND	ND	NA

  

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di- Chloro- Benzophenone	Dicofol	Diel- drin	Endo- sulfan I	Endo- sulfan II	Endo- sulfan sulfate	Total Endo- sulfan	Endrin	Ethion	alpha- HCH
899.2	66.0	120.0	92.0	580.0	ND	120.0	ND	180.0	1158.0	ND	NA	210.0	ND	ND	ND	ND	ND	ND	ND
901.0	ND	ND	70.0	560.0	ND	ND	ND	ND	630.0	ND	NA	73.0	ND	ND	ND	ND	ND	ND	20.0

  

Station Number	beta- HCH	delta- HCH	gamma- HCH (Lindane)	Hepta- chlor	Hepta- chlor- epoxide	Hexa- chloro- benzene	Methoxy- chlor	Ethyl- para- thion	Methyl- para- thion	Oxa- diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra- difon tin	Toxa- phene	Tri- butyl-
899.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	18000.0	ND	ND	18000.0	NA	ND	88000.0
901.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4300.0	1200.0	ND	5500.0	NA	ND	4200.0

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