

APPENDIX O

Summary of 1987-93 Data

Organic Chemicals in Mussels, Clams, and Sediment

(ppb, dry weight)

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

APPENDIX O

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
1.0	Crescent City Harbor	SED	03/12/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	ND	ND	6.7	ND	7.3	ND	8.8	ND	22.8	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	10.2	ND	5.5	1.6	4.7	ND	21.9	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	ND	ND	ND	2.0	ND	ND	ND	ND	ND	2.0	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	03/12/92	ND	NA	ND	14.0	ND	11.0	ND	10.0	ND	35.0	ND	ND	NA
2.1	Crescent City Harbor Jetty	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	Crescent City/Control	RCM	02/12/88	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	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	1.8	ND	ND	ND	ND	ND	1.8	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
1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	ND	3.0	ND	12.0	ND	25.0	ND	ND	43.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.0	2.6	NA	NA	2.6	ND	ND	ND
2.0	ND	7.8	ND	22.7	ND	8.6	ND	ND	39.1	ND	ND	5.5	ND	NA	NA	ND	ND	ND	3.9
2.0	ND	ND	ND	9.1	ND	ND	ND	ND	9.1	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND
2.0	ND	ND	ND	59.0	ND	8.2	ND	ND	67.2	ND	NA	6.6	ND	ND	ND	ND	ND	ND	2.0
2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	2.7
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND	NA	NA	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	ND	NA	NA	ND	ND	ND	4.1

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
1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.0
2.0	ND	ND	5.2	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	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	25.0	ND	NA	25.0	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	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	48.0	ND	ND	48.0	NA	ND	NA
2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
3.0	3.5	ND	1.3	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	1.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

O-2

* 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 O (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
3.0	Crescent City/Control	RCM	02/27/90	ND	ND	ND	2.2	ND	ND	ND	ND	ND	2.2	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
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	1.9	ND	ND	ND	ND	ND	1.9	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	ND	NA	ND	4.3	ND	3.0	ND	1.0	ND	8.3	ND	ND	NA
10.0	Trinidad Head	RCM	10/22/92	ND	NA	ND	2.4	ND	ND	ND	ND	ND	2.4	ND	ND	NA
95.0	McDaniel Slough	SED	09/18/90	ND	ND	ND	1.0	ND	1.5	ND	ND	ND	2.5	ND	ND	ND
95.0	McDaniel Slough	SED	10/08/91	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
3.0	ND	ND	ND	10.0	ND	ND	ND	ND	10.0	ND	ND	4.7	ND	NA	NA	ND	ND	ND	4.0
3.0	ND	ND	ND	4.4	ND	ND	ND	ND	4.4	ND	NA	4.5	ND	ND	ND	ND	ND	ND	2.5
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	1.3	ND	NA	NA	ND	ND	ND	7.0
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	NA	NA	ND	ND	ND	7.1
10.0	ND	ND	ND	8.1	ND	ND	ND	ND	8.1	ND	ND	1.6	ND	ND	ND	ND	ND	ND	9.7
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.7	ND	ND	ND	ND	ND	ND	6.4
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.4	ND	ND	ND	ND	ND	ND	5.0
95.0	ND	4.3	ND	ND	ND	5.8	ND	ND	10.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95.0	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
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	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
10.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	20.5
10.0	3.0	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
10.0	5.8	ND	1.3	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	1.1	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	1.6	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
95.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.0	54.0	270.0	73.0	ND	ND	NA
95.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

0-0

* 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 O (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
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	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	SED	09/18/90	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	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
100.0	Mad River Slough	SED	10/08/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	TCM	02/25/92	ND	NA	ND	2.8	ND	ND	ND	ND	ND	2.8	ND	ND	NA
100.5	Arcata Dock	SED	09/18/90	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
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	2.5	ND	NA	NA	ND	ND	ND	2.6
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	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	ND	ND	ND	ND	ND	ND
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	NA	NA	ND	ND	ND	ND
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	2.8	ND	ND	ND	ND	2.8	ND	NA	5.3	ND	ND	ND	ND	ND	ND	1.8
100.5	ND	ND	ND	ND	ND	5.7	ND	ND	5.7	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
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	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	15.0	ND	ND	15.0	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	10.0	ND	ND	10.0	NA	ND	NA
100.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

O-4

* 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 O (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-Non-chlor	trans-Non-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
100.5	Arcata Dock	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	Mad River/Oyster Bed	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	Bird Island	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	1.0	ND	ND	ND	ND	ND	1.0	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	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/25/92	ND	NA	ND	2.3	ND	1.5	ND	1.1	ND	4.9	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

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
100.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	ND	1.0	ND	NA	NA	ND	ND	ND	1.7
102.0	ND	ND	ND	3.5	ND	ND	ND	ND	3.5	ND	ND	3.3	ND	NA	NA	ND	ND	ND	2.9
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.7
102.0	ND	ND	ND	8.2	ND	ND	ND	ND	8.2	ND	NA	4.7	ND	ND	ND	ND	ND	ND	1.6
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	4.1	ND	ND	ND	ND	4.1	ND	ND	2.2	ND	NA	NA	ND	ND	ND	3.2

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
100.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	2.1	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	26.0	ND	NA	26.0	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	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	34.0	ND	ND	34.0	NA	ND	NA
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	705.4
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	26.0	ND	NA	26.0	ND	ND	NA

O-5

* 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 O (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-Non-chlor	trans-Non-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
103.0	Eureka Channel	TCM	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	1.4	ND	ND	ND	ND	ND	1.4	ND	ND	NA
103.0	Eureka Channel	TCM	02/17/93	ND	NA	ND	1.1	ND	1.0	ND	ND	ND	2.1	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	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
103.3	E Street	TCM	02/25/92	ND	NA	ND	1.9	ND	1.5	ND	ND	ND	3.4	ND	ND	NA
103.7	Eda Dock	TCM	02/27/91	ND	ND	ND	1.1	ND	1.0	ND	ND	ND	2.1	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

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.6
103.0	ND	ND	ND	5.1	ND	ND	ND	ND	5.1	ND	NA	3.1	ND	ND	ND	ND	ND	ND	1.5
103.0	ND	ND	ND	3.1	ND	ND	ND	ND	3.1	ND	NA	2.7	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	3.4	ND	ND	ND	ND	3.4	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.4
103.3	ND	ND	ND	10.0	ND	ND	ND	ND	10.0	ND	NA	6.0	ND	ND	ND	ND	ND	ND	1.1
103.7	ND	ND	ND	5.5	ND	ND	ND	ND	5.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	2.4
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.3	ND	NA	NA	ND	ND	NA	ND
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	NA	NA	ND	ND	ND	2.2

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	27.0	ND	ND	27.0	NA	ND	NA
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	53.0	ND	ND	53.0	ND	ND	NA
103.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	ND	ND	190.0	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

9-0

* 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 O (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
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	1.2	ND	1.1	ND	ND	ND	2.3	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/12/88	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
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	1.7	ND	ND	ND	ND	ND	1.7	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/17/93	ND	NA	ND	1.1	ND	ND	ND	ND	ND	1.1	ND	ND	NA
106.0	Fields Landing	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106.0	Fields Landing	TCM	02/27/91	ND	ND	ND	1.4	ND	1.0	ND	ND	ND	2.4	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
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.6
104.0	ND	ND	ND	5.2	ND	ND	ND	ND	5.2	ND	NA	4.2	ND	ND	ND	ND	ND	ND	2.0
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	3.9
104.5	ND	ND	ND	4.0	ND	ND	ND	ND	4.0	ND	ND	1.1	ND	NA	NA	ND	ND	ND	3.2
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	NA	NA	ND	ND	ND	2.3
104.5	ND	ND	ND	3.0	ND	ND	ND	ND	3.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	2.3
104.5	ND	ND	ND	5.2	ND	ND	ND	ND	5.2	ND	NA	4.2	ND	ND	ND	ND	ND	ND	2.0
104.5	ND	ND	ND	4.8	ND	ND	ND	ND	4.8	ND	NA	3.6	ND	ND	ND	ND	ND	ND	1.3
106.0	ND	ND	ND	3.1	ND	ND	ND	ND	3.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
106.0	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	3.4

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
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	ND	ND	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	12.0	ND	ND	12.0	NA	ND	NA
104.5	ND	ND	1.0	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	10.0	ND	NA	10.0	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	1.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
104.5	ND	ND	1.4	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	NA

O-7

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
106.0	Fields Landing	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	Noyo Harbor	SED	03/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	Noyo Harbor	SED	03/02/93	ND	NA	ND	ND	0.8	ND	ND	ND	ND	0.8	ND	ND	NA
155.1	Lake Pillsbury 1	TFC	03/31/93	ND	NA	ND	3.4	ND	1.7	2.3	3.9	1.7	13.0	ND	ND	NA
155.3	Lake Pillsbury 2	TFC	03/31/93	ND	NA	ND	3.7	ND	2.2	2.8	1.6	3.9	14.2	ND	ND	NA
159.0	Russian River West Fork	TFC	03/06/92	ND	NA	ND	1.9	4.7	2.8	3.1	3.4	1.4	17.3	5.7	ND	NA
159.0	Russian River West Fork	TFC	03/30/93	ND	NA	ND	4.0	ND	2.6	2.9	1.9	ND	11.4	ND	ND	NA
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	1.8	ND	ND	ND	ND	ND	1.8	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	11.8	ND	12.7	19.1	13.6	ND	57.3	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	ND	NA	ND	8.4	ND	5.5	12.0	17.0	ND	42.9	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
106.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	ND	1.6	ND	1.4	ND	ND	ND	ND	3.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
155.1	3.4	11.0	6.0	84.0	ND	ND	ND	ND	104.4	ND	NA	ND	ND	4.4	ND	4.4	ND	ND	ND
155.3	ND	14.0	6.8	95.0	ND	ND	ND	5.9	121.7	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
159.0	ND	4.1	3.7	120.0	ND	5.2	ND	ND	133.0	ND	NA	ND	1.7	5.2	12.0	18.9	ND	ND	ND
159.0	ND	12.0	6.4	92.0	ND	5.3	ND	6.0	121.7	ND	NA	ND	1.2	ND	ND	1.2	ND	ND	ND
160.0	ND	15.2	ND	17.6	ND	23.6	ND	ND	56.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	10.9	ND	109.1	ND	42.7	ND	ND	162.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	110.0	8.1	18.0	ND	ND	136.1	ND	NA	ND	1.7	5.3	14.0	21.0	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
106.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300.0
150.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	125.4
150.4	ND	ND	ND	ND	ND	1.1	ND	NA	NA	ND	NA	ND	11.0	ND	ND	11.0	NA	ND	NA
155.1	ND	ND	4.7	ND	ND	0.5	ND	NA	NA	ND	NA	ND	100.0	ND	ND	100.0	NA	ND	NA
155.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	95.0	ND	ND	95.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	92.0	280.0	ND	372.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	89.0	ND	ND	89.0	NA	ND	NA
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	127.3	28.2	NA	155.5	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	66.0	120.0	ND	186.0	NA	ND	NA

8-0

* 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 O (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
165.0	Russian River Below Ukiah	TFC	03/30/93	1.3	NA	1.0	13.0	2.0	14.0	3.6	7.5	ND	41.1	63.0	ND	NA
175.0	Big Sulfur Creek	TFC	03/30/93	ND	NA	ND	4.1	ND	4.6	3.2	4.4	ND	16.3	ND	ND	NA
176.0	Lake Sonoma	TFC	03/30/93	ND	NA	ND	3.2	ND	2.6	2.9	1.4	1.4	11.5	ND	3.3	NA
190.0	Estero Americano	RCM	12/05/88	ND	ND	ND	1.2	ND	1.0	ND	ND	ND	2.2	ND	ND	ND
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	3.6	ND	1.8	ND	1.8	1.2	8.3	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	ND	ND	ND	1.4	ND	1.0	ND	ND	ND	2.4	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	NA	ND	2.3	ND	1.6	ND	1.9	2.0	7.8	ND	ND	NA
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	2.0	ND	ND	ND	ND	ND	2.0	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	1.3	ND	1.3	ND	ND	ND	ND	ND	1.3	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
165.0	ND	18.0	7.7	140.0	8.6	36.0	ND	11.0	221.3	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	12.0	7.0	92.0	ND	ND	ND	7.0	118.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
176.0	ND	10.0	5.7	82.0	ND	ND	ND	ND	97.7	ND	NA	1.4	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7	1.6	NA	NA	1.6	ND	ND	6.2
190.0	ND	ND	ND	6.5	ND	ND	ND	ND	6.5	ND	ND	7.7	ND	NA	NA	ND	ND	ND	3.6
190.0	ND	ND	ND	3.1	ND	ND	ND	ND	3.1	ND	ND	5.0	ND	ND	ND	ND	ND	ND	4.8
190.0	ND	ND	ND	11.0	ND	ND	ND	ND	11.0	ND	NA	8.6	ND	ND	ND	ND	ND	ND	3.5
202.0	ND	ND	ND	3.3	ND	ND	ND	ND	3.3	ND	ND	6.9	ND	ND	ND	ND	ND	ND	3.6
202.0	ND	ND	ND	5.1	ND	ND	ND	ND	5.1	ND	ND	10.0	ND	ND	ND	ND	ND	ND	6.8
202.0	ND	ND	ND	11.5	ND	ND	ND	ND	11.5	ND	ND	3.8	ND	ND	ND	ND	ND	ND	4.5

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
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	59.0	110.0	ND	ND	170.0	NA	ND	NA
175.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	NA
176.0	ND	ND	4.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	93.0	ND	ND	93.0	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	3.6	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	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA
190.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	13.9
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.2	ND	ND	ND	NA	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.9	ND	ND	ND	NA	ND	ND	ND	111.2

6-0

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	3.2	ND	ND	ND	ND	ND	3.2	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	ND	ND	ND	4.6	ND	1.7	ND	ND	ND	6.3	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	ND	NA	ND	2.1	ND	1.3	ND	ND	ND	3.4	ND	ND	NA
202.0	Bodega Head	RCM	09/01/92	ND	NA	ND	ND	ND	1.1	ND	ND	ND	1.1	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	1.6	ND	ND	ND	1.4	ND	3.0	ND	ND	NA
204.0	Estero De San Antonio	TCM	02/26/93	ND	NA	ND	3.8	ND	1.8	ND	1.1	ND	6.7	ND	ND	NA
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	SED	12/03/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	ND	ND	ND	ND	ND	ND	ND	1.0	ND	1.0	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
202.0	ND	ND	ND	12.9	ND	ND	ND	ND	12.9	ND	ND	9.7	ND	ND	ND	ND	ND	ND	4.8
202.0	ND	ND	ND	12.0	ND	ND	ND	ND	12.0	ND	ND	13.0	ND	ND	ND	ND	ND	ND	3.3
202.0	ND	ND	ND	7.1	ND	ND	ND	ND	7.1	ND	NA	9.0	ND	ND	ND	ND	ND	ND	12.0
202.0	ND	ND	ND	5.3	ND	ND	ND	ND	5.3	ND	NA	13.0	ND	ND	ND	ND	ND	ND	3.5
203.0	ND	ND	ND	3.4	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	NA	1.1	ND	ND	ND	ND	ND	ND	2.0
204.0	ND	ND	ND	5.5	ND	ND	ND	ND	5.5	ND	NA	8.7	ND	ND	ND	ND	ND	ND	ND
205.0	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	ND	ND	ND	NA	NA	NA	ND	ND	1.0
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	ND	ND	ND	11.0	ND	ND	ND	ND	11.0	ND	ND	1.1	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
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	1.4	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	2.0	1.1	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	13.0	ND	ND	13.0	NA	ND	NA
204.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	26.0	ND	ND	26.0	NA	ND	NA
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	150.0	ND	NA	150.0	ND	ND	610.0
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	62.0	ND	ND	62.0	ND	ND	830.0

O-10

* 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 O (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	SED	01/29/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	Bodega Harbor/Spud Point Marina	SED	11/20/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	ND	NA	ND	ND	ND	1.9	ND	1.9	ND	3.8	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	ND	NA	ND	1.9	ND	1.1	ND	1.2	ND	4.2	ND	ND	NA
207.0	Point Reyes	RCM	01/29/91	ND	ND	ND	2.7	ND	1.7	ND	ND	ND	4.4	ND	ND	ND
280.0	Russian River/S Goat Rock	TCM	02/25/93	ND	NA	ND	6.2	ND	3.7	ND	2.9	2.5	15.3	ND	ND	NA
290.0	Russian River/near Moscow	TFC	03/30/93	ND	NA	ND	5.7	ND	4.6	3.8	4.4	1.0	19.5	18.0	5.5	NA
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	NA	ND	20.0	3.1	11.0	7.5	29.0	1.9	72.5	6.9	ND	NA
294.5	Green Valley Creek 1	TFC	03/30/93	ND	NA	ND	4.3	ND	4.3	3.7	3.5	ND	15.8	31.0	ND	NA
294.6	Green Valley Creek 2	TFC	03/30/93	ND	NA	ND	8.8	ND	5.7	5.1	5.4	5.3	30.3	290.0	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	ND	ND	ND	1.4	ND	ND	ND	ND	1.4	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
205.0	ND	ND	3.2	18.0	ND	ND	ND	ND	21.2	ND	NA	7.2	ND	ND	ND	ND	ND	ND	1.4
205.0	ND	ND	ND	16.0	ND	ND	ND	ND	16.0	ND	NA	4.0	ND	ND	ND	ND	ND	ND	ND
207.0	ND	ND	ND	6.5	ND	ND	ND	ND	6.5	ND	ND	12.0	ND	NA	NA	ND	ND	ND	2.3
280.0	ND	4.7	ND	33.0	ND	10.0	ND	ND	47.7	ND	NA	11.0	ND	ND	ND	ND	ND	ND	2.4
290.0	5.3	13.0	7.1	100.0	ND	5.7	ND	7.1	138.2	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.2	19.0	24.0	ND	99.0	10.0	100.0	ND	ND	252.0	ND	NA	3.5	ND	ND	15.0	15.0	ND	ND	ND
294.5	ND	13.0	8.9	120.0	ND	ND	ND	7.7	149.6	31.0	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.6	100.0	81.0	16.0	320.0	25.0	130.0	ND	16.0	688.0	ND	NA	8.1	ND	ND	3.1	3.1	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
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
205.0	ND	ND	ND	ND	ND	ND	4.4	NA	NA	ND	NA	ND	18.0	ND	ND	18.0	NA	ND	100.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	4.8	NA	ND	130.0	ND	ND	130.0	NA	ND	130.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	300.0
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
280.0	1.4	ND	ND	ND	2.5	ND	ND	NA	NA	ND	NA	ND	38.0	ND	ND	38.0	NA	ND	NA
290.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	18.0	NA	ND	100.0	ND	ND	100.0	NA	ND	NA
294.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	98.0	NA	ND	99.0	ND	ND	99.0	NA	ND	NA
294.5	ND	ND	3.7	ND	1.9	ND	ND	NA	NA	ND	NA	ND	120.0	ND	ND	120.0	NA	ND	NA
294.6	ND	1.3	5.3	ND	ND	0.8	ND	NA	NA	16.0	NA	38.0	110.0	ND	ND	150.0	NA	ND	NA

O-11

* 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 O (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	3.1	88.0	ND	52.0	39.0	120.0	ND	302.1	50.0	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	3.2	58.9	5.3	57.9	37.9	37.9	3.2	204.2	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	ND	ND	3.8	46.0	6.0	34.0	24.0	48.0	2.0	163.8	5.3	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	ND	ND	3.0	27.0	ND	13.0	7.5	23.0	ND	73.5	19.0	ND	70.0
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	4.1	18.0	4.1	18.0	13.9	15.6	ND	73.8	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	ND	ND	1.1	12.0	1.0	9.1	6.9	11.0	ND	41.1	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	ND	ND	2.1	23.0	ND	21.0	ND	34.0	ND	80.1	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	3.4	ND	3.4	4.5	9.1	ND	20.5	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	NA	ND	2.5	ND	2.0	1.9	5.5	ND	11.9	4.4	ND	NA
295.4	Russian River/Wholer Bridge	TFC	12/05/88	ND	ND	ND	3.5	ND	2.0	ND	5.2	ND	10.7	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	52.0	ND	ND	ND	ND	52.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.1	ND	36.8	ND	64.2	ND	72.6	ND	ND	173.7	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND
295.1	6.5	17.0	ND	35.0	ND	12.0	ND	ND	70.5	ND	ND	3.0	ND	NA	NA	ND	ND	ND	ND
295.2	ND	29.0	ND	20.0	ND	ND	ND	ND	49.0	ND	ND	1.2	ND	NA	NA	ND	ND	ND	ND
295.2	ND	7.4	ND	61.5	ND	9.8	ND	ND	78.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	7.5	ND	32.0	ND	7.1	ND	ND	46.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	ND	ND	62.0	ND	16.0	ND	ND	78.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	6.8	ND	84.1	ND	23.9	ND	ND	114.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	69.0	ND	ND	ND	ND	69.0	ND	NA	1.9	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	44.0	ND	ND	ND	ND	44.0	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	170.0	ND	NA	170.0	ND	ND	NA
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	115.8	ND	NA	115.8	ND	ND	NA
295.1	ND	ND	ND	1.5	1.7	2.1	ND	ND	ND	NA	NA	ND	120.0	ND	ND	120.0	ND	ND	NA
295.2	ND	6.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	50.0	ND	NA	50.0	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	76.2	ND	NA	76.2	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.0	NA	ND	65.0	ND	ND	65.0	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	80.0	ND	NA	80.0	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	93.2	ND	NA	93.2	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	13.0	NA	ND	37.0	140.0	ND	177.0	NA	ND	NA
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	80.0	ND	NA	80.0	ND	ND	NA

O-12

* 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 O (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	2.7	28.6	2.7	28.6	21.4	25.9	1.8	111.6	8.0	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	ND	ND	ND	35.0	ND	22.0	14.0	26.0	ND	97.0	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	04/07/92	ND	NA	2.7	48.0	4.2	52.0	14.0	66.0	6.8	193.7	37.0	29.0	NA
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	ND	ND	ND	3.5	ND	4.5	ND	5.0	ND	13.0	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	13.8	ND	6.9	16.2	15.4	ND	52.3	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	NA	ND	13.0	ND	4.5	5.0	12.0	ND	34.5	ND	7.9	NA
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	3.2	ND	4.8	ND	8.1	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	ND	ND	23.0	ND	19.0	9.0	12.0	ND	63.0	ND	8.6	ND
298.0	Brannan Island	RFC	12/29/88	ND	ND	ND	18.0	ND	16.0	ND	23.0	ND	57.0	ND	ND	ND
298.4	Concord Naval/Seal Island	TCM	12/08/87	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
295.4	ND	27.7	ND	107.1	ND	30.4	ND	ND	165.2	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND
295.4	10.0	27.0	ND	98.0	ND	13.0	ND	ND	148.0	ND	ND	6.8	ND	ND	ND	ND	ND	ND	ND
295.4	12.0	43.0	ND	97.0	ND	44.0	ND	ND	196.0	ND	NA	17.0	ND	ND	ND	ND	ND	ND	1.6
295.5	ND	ND	ND	26.0	ND	3.7	ND	ND	29.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.5	ND	23.1	ND	100.0	ND	20.0	ND	ND	143.1	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND
295.5	12.0	18.0	ND	140.0	ND	67.0	ND	ND	237.0	ND	NA	16.0	ND	ND	ND	ND	ND	ND	ND
297.0	153.2	411.3	5.6	185.5	ND	121.0	58.1	129.0	1063.7	ND	ND	11.3	ND	ND	ND	ND	ND	ND	ND
298.0	14.0	44.0	6.0	110.0	ND	ND	ND	ND	174.0	ND	ND	13.0	ND	ND	ND	ND	12.0	ND	1.5
298.0	19.0	65.0	4.5	170.0	ND	15.0	ND	4.5	278.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
298.4	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
295.4	ND	ND	1.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	98.2	ND	NA	98.2	ND	ND	NA
295.4	ND	ND	11.0	ND	ND	ND	ND	ND	ND	ND	NA	ND	35.0	ND	ND	35.0	ND	ND	NA
295.4	ND	ND	9.1	ND	ND	ND	ND	NA	NA	140.0	NA	ND	78.0	78.0	ND	156.0	NA	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	35.0	ND	NA	35.0	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	107.7	ND	NA	107.7	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	30.0	NA	ND	120.0	250.0	ND	370.0	NA	ND	NA
297.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	79.8	ND	NA	79.8	ND	ND	NA
298.0	ND	ND	5.3	ND	ND	3.4	ND	ND	ND	NA	NA	ND	170.0	ND	NA	170.0	ND	ND	NA
298.0	ND	ND	ND	ND	ND	2.9	ND	ND	ND	NA	NA	ND	620.0	ND	NA	620.0	ND	ND	NA
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	130.0	ND	NA	130.0	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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
300.2	Mare Island	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300.2	Mare Island	TCM	12/30/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	ND	ND	26.0	ND	17.0	4.8	12.0	ND	59.8	ND	ND	ND
302.0	Point Pinole	TCM	01/14/88	ND	ND	ND	8.7	ND	8.0	ND	6.8	ND	23.5	ND	ND	ND
302.0	Point Pinole	TCM	12/30/88	ND	ND	ND	13.0	ND	11.0	ND	2.8	ND	26.8	ND	ND	ND
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	7.8	ND	6.7	2.2	3.3	ND	20.0	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	ND	ND	ND	8.6	ND	6.7	3.2	3.8	ND	22.3	ND	ND	ND
302.0	Point Pinole	TCM	12/27/91	ND	NA	ND	6.2	ND	5.5	3.6	4.9	ND	20.2	ND	ND	NA
302.0	Point Pinole	TCM	01/20/93	ND	NA	ND	7.2	ND	6.5	3.6	5.1	ND	22.4	4.0	2.6	NA
302.4	Castro Cove Bridge	TCM	01/18/88	19.0	ND	20.0	120.0	3.1	150.0	42.0	82.0	38.0	455.1	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
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	9.7	53.0	ND	47.0	ND	8.5	ND	ND	118.2	ND	ND	35.0	ND	NA	NA	ND	ND	ND	3.5
302.0	7.8	26.0	ND	36.0	ND	12.0	ND	ND	81.8	ND	ND	29.0	ND	NA	NA	ND	ND	ND	2.8
302.0	ND	ND	ND	28.0	ND	ND	ND	ND	28.0	ND	ND	26.0	ND	NA	NA	ND	ND	ND	ND
302.0	ND	14.4	ND	17.8	ND	ND	ND	ND	32.2	ND	ND	17.8	ND	NA	NA	ND	ND	ND	ND
302.0	ND	37.0	ND	25.0	ND	ND	ND	ND	65.0	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND
302.0	ND	10.0	3.2	32.0	ND	ND	ND	ND	45.2	ND	NA	16.0	ND	ND	ND	ND	ND	ND	1.4
302.0	7.3	23.0	ND	28.0	ND	ND	ND	ND	66.3	ND	NA	19.0	ND	ND	ND	ND	ND	ND	ND
302.4	230.0	220.0	66.0	120.0	ND	39.0	ND	ND	120.0	795.0	NA	130.0	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
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	811.1
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260.0
302.0	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	NA
302.0	ND	ND	1.4	1.4	ND	ND	ND	ND	ND	NA	NA	ND	84.0	ND	NA	84.0	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	93.0	ND	NA	93.0	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	53.3	ND	NA	53.3	ND	ND	370.2
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	63.0	ND	ND	63.0	ND	ND	300.0
302.0	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	NA
302.0	ND	ND	2.1	ND	ND	ND	ND	NA	NA	11.0	NA	ND	170.0	ND	ND	170.0	NA	ND	200.0
302.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	350.0	ND	NA	350.0	NA	ND	NA

O-14

* 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 O (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
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	ND	ND	ND	12.0	ND	8.8	3.8	8.9	ND	33.5	ND	ND	ND
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	ND	ND	11.0	24.0	10.0	31.0	3.2	18.0	9.7	106.9	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	01/14/88	260.0	ND	9.3	168.0	15.0	170.0	18.0	120.0	ND	500.3	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	03/22/91	36.0	ND	ND	56.0	ND	57.0	12.0	31.0	ND	156.0	ND	ND	ND
303.4	Santa Fe Channel/End	TCM	03/22/91	5.4	ND	ND	22.0	ND	20.0	5.5	15.0	ND	62.5	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	ND	ND	ND	10.0	ND	8.4	ND	7.8	ND	26.2	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	ND	ND	9.3	ND	5.3	ND	2.4	ND	17.0	7.2	ND	ND
304.4	Serl Intake	TCM	03/22/91	ND	ND	ND	13.0	ND	10.0	4.7	8.8	ND	36.5	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	ND	ND	ND	4.4	ND	3.5	2.1	3.2	ND	13.2	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	ND	NA	ND	6.0	ND	4.4	2.6	2.8	ND	15.8	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
303.1	35.0	120.0	21.0	68.0	38.0	81.0	ND	10.0	373.0	ND	ND	61.0	ND	ND	ND	ND	ND	ND	1.1
303.2	410.0	930.0	51.0	490.0	590.0	1000.0	380.0	340.0	4191.0	ND	ND	580.0	ND	NA	NA	ND	42.0	NA	ND
303.3	3600.0	10000.0	120.0	2700.0	8100.0	11000.0	530.0	190.0	36240.0	ND	ND	4300.0	ND	ND	ND	9.6	440.0	ND	39.0
303.3	1200.0	3400.0	93.0	1300.0	2400.0	5000.0	120.0	180.0	13693.0	ND	ND	1000.0	ND	ND	ND	ND	ND	ND	2.7
303.4	260.0	930.0	37.0	400.0	310.0	680.0	110.0	110.0	2837.0	ND	ND	250.0	ND	ND	ND	ND	ND	ND	1.4
303.6	19.0	82.0	15.0	65.0	12.0	19.0	ND	16.0	246.0	ND	ND	54.0	1.5	ND	ND	1.5	ND	ND	1.8
303.6	22.0	69.0	12.0	37.0	10.0	17.0	27.0	9.5	203.5	ND	ND	39.0	5.2	ND	ND	5.2	ND	ND	1.5
304.4	20.0	75.0	ND	43.0	23.0	29.0	ND	12.0	202.0	ND	ND	27.0	ND	ND	ND	ND	ND	ND	1.4
306.0	ND	14.0	4.1	12.0	ND	ND	ND	ND	30.1	ND	ND	8.3	ND	NA	NA	ND	ND	ND	1.8
306.0	6.0	21.0	3.7	29.0	ND	ND	ND	ND	59.7	ND	NA	12.0	ND	ND	ND	ND	ND	ND	2.1

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
303.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	94.0	1300.0	ND	ND	1394.0	ND	ND	NA
303.2	NA	NA	NA	ND	ND	2.1	ND	NA	NA	NA	NA	120.0	680.0	ND	NA	800.0	ND	ND	NA
303.3	9.8	30.0	9.6	ND	ND	ND	ND	16.0	ND	NA	NA	200.0	1200.0	ND	NA	1400.0	ND	1400.0	NA
303.3	ND	ND	ND	ND	ND	1.6	ND	ND	ND	15.0	NA	170.0	1200.0	ND	ND	1370.0	ND	ND	NA
303.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	NA	180.0	880.0	ND	ND	1060.0	ND	ND	NA
303.6	ND	ND	1.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	640.0	ND	NA	640.0	ND	ND	6551.4
303.6	ND	1.8	1.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	900.0	ND	NA	900.0	ND	ND	6600.0
304.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.0	NA	ND	360.0	ND	ND	360.0	ND	ND	NA
306.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	58.0	ND	ND	58.0	ND	ND	NA
306.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	ND	NA	ND	150.0	140.0	ND	290.0	NA	ND	NA

O-15

* 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 O (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
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	ND	NA	ND	5.4	ND	5.3	2.2	4.2	ND	17.1	ND	2.1	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	ND	ND	7.0	ND	7.7	ND	4.2	ND	18.9	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	ND	ND	10.0	ND	8.5	ND	4.1	ND	22.6	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	ND	ND	10.0	ND	11.0	ND	6.6	ND	27.6	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	9.7	ND	7.6	3.4	2.8	ND	23.4	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	ND	ND	ND	7.7	ND	6.3	3.4	4.6	ND	22.0	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	ND	NA	ND	8.5	ND	6.5	3.0	3.6	ND	21.6	ND	ND	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	ND	NA	ND	8.7	ND	7.1	3.1	5.9	ND	24.8	5.1	3.1	NA
307.2	Alameda Yacht Harbor	TCM	01/14/88	1.2	ND	1.6	41.0	1.6	32.0	12.0	27.0	3.0	118.2	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	ND	ND	29.0	ND	18.0	7.1	17.0	ND	71.1	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
306.0	5.9	16.0	1.5	30.0	ND	ND	ND	9.0	62.4	ND	NA	12.0	ND	ND	ND	ND	ND	ND	1.2
306.5	ND	ND	3.4	28.0	ND	ND	ND	ND	31.4	ND	ND	12.0	ND	NA	NA	ND	ND	ND	1.7
307.0	ND	23.0	3.0	22.0	ND	ND	ND	ND	48.0	ND	ND	15.0	ND	NA	NA	ND	ND	ND	1.6
307.0	ND	8.2	5.8	31.0	ND	4.3	ND	9.5	58.8	ND	ND	12.0	ND	NA	NA	ND	ND	ND	2.0
307.0	ND	24.8	ND	22.1	ND	10.3	ND	ND	57.2	ND	ND	11.0	ND	NA	NA	ND	ND	ND	1.4
307.0	5.2	30.0	ND	22.0	ND	ND	ND	7.1	64.3	ND	ND	3.3	ND	ND	ND	ND	ND	ND	2.5
307.0	ND	9.9	3.5	28.0	ND	ND	ND	ND	41.4	ND	NA	16.0	ND	ND	ND	ND	ND	ND	1.2
307.0	7.2	25.0	ND	35.0	ND	5.1	ND	9.3	81.6	ND	NA	17.0	ND	ND	ND	ND	ND	ND	ND
307.2	14.0	45.0	6.7	57.0	9.8	31.0	ND	ND	182.5	ND	ND	35.0	ND	NA	NA	ND	ND	ND	1.4
307.2	8.9	28.0	5.3	34.0	6.6	24.0	ND	6.8	113.6	ND	ND	59.0	ND	ND	ND	ND	ND	ND	3.5

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
306.0	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	ND	NA
306.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	210.0	ND	NA	210.0	ND	ND	NA
307.0	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	230.0	ND	NA	230.0	ND	ND	NA
307.0	ND	ND	3.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	270.0	ND	NA	270.0	ND	ND	NA
307.0	ND	ND	2.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	151.7	ND	NA	151.7	ND	ND	NA
307.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	140.0	ND	ND	140.0	ND	ND	NA
307.0	ND	ND	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	180.0	ND	370.0	NA	ND	NA
307.0	ND	ND	2.0	ND	ND	ND	ND	NA	NA	9.1	NA	ND	290.0	180.0	ND	470.0	NA	ND	NA
307.2	ND	ND	2.9	ND	2.1	ND	ND	ND	ND	NA	NA	ND	320.0	ND	NA	320.0	ND	ND	2406.8
307.2	ND	ND	2.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.0	ND	NA	1100.0	ND	ND	5700.0

O-16

* 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 O (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	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	10.0	ND	8.5	4.8	7.4	ND	30.7	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	ND	NA	ND	23.0	ND	18.0	6.9	15.0	ND	62.9	ND	ND	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	ND	NA	1.0	16.0	ND	24.0	8.8	16.0	6.3	72.1	10.0	1.6	NA
307.5	Lake Merritt	RBM	05/22/92	ND	NA	1.3	66.0	1.7	46.0	21.0	60.0	3.6	199.6	ND	ND	NA
307.5	Lake Merritt	RCM	03/16/93	ND	NA	1.4	30.0	1.0	24.0	12.0	28.0	3.7	100.1	ND	2.7	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	14.0	ND	5.4	ND	4.0	ND	23.4	ND	ND	ND
307.9	San Francisco/Islands Channel	TCM	01/15/88	ND	ND	ND	18.0	ND	17.0	3.0	8.9	ND	46.9	5.9	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
307.4	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	6.1	28.0	ND	26.0	ND	8.1	ND	ND	68.2	ND	ND	12.0	ND	NA	NA	ND	ND	ND	ND
307.4	15.0	60.0	3.5	42.0	ND	32.0	ND	7.9	160.4	ND	NA	27.0	ND	ND	ND	ND	ND	ND	ND
307.4	13.0	30.0	ND	32.0	6.7	24.0	ND	15.0	120.7	ND	NA	32.0	ND	ND	ND	ND	ND	ND	ND
307.5	25.0	95.0	8.6	87.0	8.8	31.0	26.0	16.0	297.4	ND	NA	34.0	ND	ND	ND	ND	ND	ND	ND
307.5	12.0	43.0	11.0	41.0	8.9	29.0	ND	23.0	167.9	3.1	NA	23.0	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	33.0	ND	ND	ND	ND	33.0	ND	ND	11.0	ND	NA	NA	ND	ND	ND	ND
307.9	5.5	ND	4.2	34.0	5.8	9.9	ND	ND	71.4	ND	ND	27.0	1.1	ND	ND	1.1	ND	ND	2.5

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1300.0	ND	NA	1300.0	NA	NA	3644.5
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1300.0	ND	NA	1300.0	NA	NA	4000.0
307.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	NA	ND	230.0	ND	ND	230.0	ND	ND	1500.0
307.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	480.0	240.0	ND	720.0	NA	ND	NA
307.4	ND	ND	2.4	1.1	4.3	ND	ND	NA	NA	6.9	NA	88.0	650.0	460.0	ND	1200.0	NA	ND	1100.0
307.5	ND	ND	ND	ND	4.0	ND	ND	NA	NA	9.8	NA	73.0	700.0	ND	ND	773.0	NA	ND	NA
307.5	ND	ND	ND	1.4	ND	ND	ND	NA	NA	ND	NA	150.0	540.0	240.0	ND	930.0	NA	ND	NA
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	550.0	ND	NA	550.0	NA	NA	NA
307.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	290.0	ND	NA	290.0	ND	ND	NA
307.9	ND	3.8	4.1	ND	1.0	ND	ND	ND	ND	NA	NA	ND	470.0	ND	NA	470.0	ND	ND	NA

O-17

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	ND	ND	ND	8.7	ND	6.0	3.1	4.8	ND	22.6	ND	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	ND	NA	ND	7.7	ND	5.7	4.3	2.7	ND	20.4	ND	ND	NA
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	ND	NA	ND	9.2	ND	10.0	3.1	5.7	3.7	31.7	6.5	2.3	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	ND	ND	ND	15.0	ND	16.0	ND	9.2	ND	40.2	ND	ND	ND
308.2	Hunter's Point/Shipyard	TCM	12/29/88	ND	ND	ND	17.0	ND	13.0	4.3	12.0	ND	46.3	ND	ND	ND
309.0	San Mateo Bridge/8B	TCM	01/16/91	ND	ND	ND	8.8	ND	7.0	3.2	3.5	ND	22.5	ND	ND	ND
309.0	San Mateo Bridge/8B	TCM	12/16/91	ND	NA	ND	4.3	ND	4.3	3.2	1.4	ND	13.2	ND	ND	NA
309.0	San Mateo Bridge/8B	TCM	02/01/93	ND	NA	ND	14.0	ND	13.0	5.6	11.0	5.8	49.4	8.5	3.7	NA
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	ND	ND	ND	10.0	ND	7.2	4.1	4.8	ND	26.1	ND	ND	ND
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	ND	NA	ND	9.6	ND	6.7	4.2	5.7	ND	26.2	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
308.0	ND	31.0	ND	23.0	ND	6.6	ND	5.7	66.3	ND	ND	9.4	ND	ND	ND	ND	ND	ND	1.5
308.0	5.4	19.0	3.6	26.0	ND	7.3	ND	ND	61.3	ND	NA	18.0	ND	ND	ND	ND	ND	ND	1.6
308.0	ND	13.0	ND	21.0	ND	5.3	ND	7.6	46.9	ND	NA	25.0	ND	ND	2.6	2.6	ND	ND	ND
308.2	ND	33.0	6.9	43.0	ND	55.0	ND	6.2	144.1	ND	ND	30.0	ND	ND	ND	ND	ND	ND	ND
308.2	9.0	37.0	12.0	47.0	ND	ND	ND	ND	105.0	ND	ND	12.0	ND	NA	NA	ND	ND	ND	ND
309.0	ND	26.0	ND	15.0	ND	ND	ND	ND	41.0	ND	ND	19.0	ND	ND	ND	ND	ND	ND	ND
309.0	ND	3.8	3.9	29.0	ND	ND	ND	ND	36.7	ND	NA	24.0	ND	ND	ND	ND	ND	ND	1.1
309.0	5.1	16.0	ND	37.0	2.5	9.8	ND	13.0	83.4	ND	NA	39.0	ND	ND	3.8	3.8	ND	ND	ND
313.0	ND	29.0	ND	24.0	ND	ND	ND	5.0	58.0	ND	ND	ND	17.0	ND	ND	17.0	ND	ND	ND
313.0	ND	37.0	3.1	30.0	ND	ND	ND	ND	70.1	ND	NA	20.0	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
308.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	150.0	ND	ND	150.0	ND	ND	NA
308.0	ND	ND	1.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	200.0	ND	390.0	NA	ND	NA
308.0	ND	ND	ND	ND	2.9	ND	ND	NA	NA	ND	NA	ND	300.0	170.0	ND	470.0	NA	ND	NA
308.2	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	2100.0	ND	NA	2100.0	ND	ND	NA
308.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1600.0	ND	NA	1600.0	ND	ND	NA
309.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	87.0	ND	ND	87.0	ND	ND	NA
309.0	ND	ND	1.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	260.0	ND	450.0	NA	ND	NA
309.0	ND	ND	2.9	ND	5.4	ND	ND	NA	NA	6.8	NA	ND	400.0	220.0	ND	620.0	NA	150.0	NA
313.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	100.0	ND	ND	100.0	ND	ND	NA
313.0	ND	ND	1.5	ND	ND	ND	ND	NA	NA	ND	NA	ND	180.0	170.0	ND	350.0	NA	ND	NA

O-18

* 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 O (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
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	ND	NA	ND	11.0	ND	9.7	4.1	8.5	ND	33.3	6.1	ND	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	ND	ND	44.0	ND	9.9	ND	21.0	1.9	76.8	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	ND	ND	15.0	ND	6.7	ND	3.7	ND	25.4	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	ND	ND	ND	15.0	ND	11.0	9.0	6.7	ND	41.7	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	ND	NA	ND	3.4	ND	5.5	3.7	6.3	ND	18.9	ND	ND	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	ND	ND	24.0	ND	11.0	ND	6.0	ND	41.0	ND	ND	ND
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	2.1	23.6	2.1	18.6	5.7	12.1	1.4	65.7	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	ND	ND	ND	15.0	ND	11.0	9.4	11.0	ND	46.4	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	ND	NA	1.1	2.4	1.4	2.6	4.1	7.1	ND	18.7	ND	ND	NA
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	ND	NA	ND	8.4	ND	7.4	1.9	7.0	ND	24.7	10.0	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
313.0	ND	12.0	ND	30.0	ND	4.9	ND	8.8	55.7	ND	NA	24.0	ND	ND	ND	ND	ND	ND	ND
321.0	ND	ND	ND	70.0	ND	ND	20.0	ND	90.0	ND	ND	59.0	ND	NA	NA	ND	ND	ND	3.8
321.0	ND	ND	ND	26.0	ND	ND	ND	ND	26.0	ND	ND	28.0	ND	NA	NA	ND	ND	ND	ND
321.0	12.0	12.0	ND	51.0	ND	ND	ND	ND	75.0	ND	ND	25.0	ND	ND	ND	ND	ND	ND	ND
321.0	ND	26.0	3.8	38.0	ND	ND	ND	9.3	77.1	ND	NA	22.0	ND	ND	ND	ND	ND	ND	ND
323.3	ND	ND	ND	28.0	ND	ND	ND	ND	28.0	ND	ND	36.0	ND	NA	NA	ND	ND	ND	ND
323.3	ND	14.3	ND	25.7	ND	ND	ND	ND	40.0	ND	ND	20.7	2.1	NA	NA	2.1	ND	ND	1.4
326.0	16.0	23.0	ND	47.0	ND	ND	ND	9.5	95.5	ND	ND	13.0	ND	NA	NA	ND	ND	ND	ND
326.0	ND	16.0	ND	34.0	ND	ND	ND	6.2	56.2	ND	NA	22.0	ND	ND	5.6	5.6	ND	ND	ND
326.0	ND	ND	ND	37.0	ND	9.5	ND	7.7	54.2	ND	NA	8.7	ND	ND	ND	ND	ND	ND	2.5

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
313.0	ND	ND	1.5	ND	ND	ND	ND	NA	NA	9.1	NA	ND	230.0	120.0	ND	350.0	NA	ND	NA
321.0	ND	ND	7.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	540.0	ND	NA	540.0	ND	ND	NA
321.0	ND	ND	0.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	230.0	ND	NA	230.0	ND	ND	NA
321.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	88.0	ND	ND	88.0	ND	ND	NA
321.0	ND	ND	2.3	ND	ND	ND	ND	NA	NA	4.2	NA	ND	270.0	ND	ND	270.0	NA	ND	NA
323.3	ND	ND	5.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	140.0	ND	NA	140.0	ND	ND	NA
323.3	ND	ND	5.7	ND	1.4	ND	ND	ND	ND	NA	NA	ND	107.1	ND	NA	107.1	ND	ND	NA
326.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	NA	ND	120.0	ND	ND	120.0	ND	ND	NA
326.0	ND	ND	6.5	ND	1.3	ND	ND	NA	NA	6.6	NA	ND	250.0	ND	ND	250.0	NA	ND	NA
326.0	ND	ND	2.4	ND	ND	ND	ND	NA	NA	ND	NA	ND	120.0	ND	ND	120.0	NA	ND	NA

O-19

* 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 O (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
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	2.0	ND	3.2	ND	4.3	ND	9.5	ND	9.9	ND
399.2	Pescadero Creek	TFC	01/26/89	ND	ND	ND	2.3	ND	ND	ND	ND	ND	2.3	ND	ND	ND
399.3	Waddell Creek	TFC	02/08/88	ND	ND	ND	ND	ND	1.9	ND	1.7	ND	3.6	ND	3.3	ND
399.3	Waddell Creek	TFC	01/26/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.5	San Lorenzo River	SED	01/14/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	SED	12/03/90	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	2.3	35.0	3.4	32.0	13.0	41.0	1.6	128.3	7.1	ND	ND
400.2	Younger Lagoon	SED	11/04/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	14.9	ND	14.0	9.6	14.9	1.8	55.3	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
336.0	ND	ND	ND	6.0	ND	ND	ND	ND	6.0	ND	ND	2.4	ND	NA	NA	ND	ND	ND	2.2
399.2	ND	5.7	3.1	43.0	11.0	8.2	ND	ND	71.0	ND	ND	ND	ND	ND	370.0	370.0	ND	ND	ND
399.2	ND	ND	ND	7.4	ND	ND	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.3	ND	ND	ND	38.0	4.1	16.0	ND	ND	58.1	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND
399.3	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	14.0	ND	69.0	8.5	34.0	ND	ND	125.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
400.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
400.8	ND	16.7	5.3	80.7	ND	21.1	ND	ND	123.7	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
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	1.0	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
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
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	30.0	ND	ND	30.0	ND	ND	NA
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
399.7	ND	ND	ND	7.7	3.9	1.2	ND	ND	ND	29.2	ND	110.0	ND	ND	110.0	ND	ND	ND	NA
400.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	105.3	42.1	NA	147.4	ND	ND	NA

O-20

* 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 O (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
400.8	Aptos Creek	TFC	10/25/90	ND	ND	ND	1.9	ND	1.4	ND	4.3	ND	7.6	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	NA	ND	6.3	ND	1.3	3.8	7.6	ND	19.0	ND	ND	NA
401.1	Santa Cruz/T Dock	TCM	02/08/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	ND	ND	9.3	ND	5.7	3.3	6.0	ND	24.3	ND	45.0	ND
401.5	Watsonville Slough/Bridge	TFC	02/02/88	10.0	ND	9.6	84.0	14.0	94.0	26.0	70.0	16.0	313.6	26.0	49.0	1100.0
401.5	Watsonville Slough/Bridge	TFC	03/10/93	9.8	NA	6.8	120.0	9.1	110.0	140.0	110.0	7.8	503.7	120.0	210.0	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	ND	ND	93.0	ND	20.0	14.0	30.0	ND	157.0	ND	7.4	ND
401.8	San Andreas Road	TFC	02/03/88	7.8	ND	4.3	78.0	8.9	60.0	ND	72.0	14.0	237.2	ND	80.0	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	Ethin	alpha-HCH
400.8	ND	9.2	ND	36.0	ND	ND	ND	ND	45.2	ND	ND	ND	ND	ND	ND	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	8.9	5.1	130.0	ND	19.0	ND	ND	163.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
401.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.3	6.1	34.0	ND	180.0	ND	20.0	ND	11.0	251.1	ND	ND	100.0	83.0	56.0	77.0	216.0	ND	ND	1.9
401.5	220.0	550.0	72.0	1500.0	310.0	820.0	86.0	40.0	3598.0	40.0	550.0	750.0	220.0	160.0	200.0	580.0	58.0	ND	1.3
401.5	450.0	650.0	130.0	5100.0	1200.0	3000.0	72.0	200.0	10802.0	ND	NA	1700.0	31.0	150.0	230.0	411.0	180.0	ND	ND
401.6	60.0	62.0	10.0	240.0	22.0	110.0	ND	ND	504.0	78.0	1100.0	29.0	20.0	ND	ND	20.0	ND	ND	ND
401.8	240.0	570.0	120.0	2200.0	480.0	1100.0	55.0	91.0	4856.0	ND	450.0	1400.0	81.0	95.0	230.0	406.0	49.0	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
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	39.0	ND	ND	39.0	ND	ND	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	91.0	ND	ND	91.0	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	93.0	ND	ND	93.0	NA	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
401.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6500.0
401.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	80.0	ND	NA	80.0	ND	ND	NA
401.5	ND	ND	1.9	3.2	30.0	6.0	24.0	ND	ND	NA	NA	ND	130.0	ND	NA	130.0	ND	4600.0	NA
401.5	ND	ND	7.1	ND	26.0	7.1	ND	NA	NA	280.0	NA	80.0	190.0	ND	ND	270.0	NA	15000.0	NA
401.6	ND	ND	ND	4.0	12.0	ND	ND	ND	23.0	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
401.8	ND	ND	ND	ND	22.0	3.8	ND	ND	ND	NA	NA	ND	180.0	ND	NA	180.0	ND	3100.0	NA

O-21

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
401.9	Pajaro River Estuary	TFC	03/10/93	ND	NA	1.8	27.0	2.6	23.0	9.8	20.0	2.4	86.6	120.0	68.0	NA
402.1	Azevedo Pond	TCM	02/25/93	ND	NA	ND	13.0	ND	21.0	5.4	11.0	2.1	52.5	ND	48.0	NA
402.2	Parson's Slough	TCM	03/02/88	ND	ND	ND	6.4	ND	8.4	ND	2.2	ND	17.0	ND	28.0	ND
402.2	Parson's Slough	TCM	01/04/89	ND	ND	ND	8.1	ND	4.6	ND	3.3	ND	16.0	ND	32.0	ND
402.2	Parson's Slough	TCM	02/25/93	ND	NA	0.5	16.0	ND	16.0	7.3	12.0	1.9	53.7	29.0	200.0	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	ND	ND	7.0	ND	4.4	1.7	3.3	ND	16.4	ND	37.0	ND
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	ND	NA	ND	10.0	ND	5.6	2.1	3.5	ND	21.2	ND	150.0	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	ND	ND	3.0	ND	2.7	ND	1.0	ND	6.7	ND	11.0	ND
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	ND	ND	3.5	ND	7.9	ND	3.2	ND	14.6	ND	5.3	ND
403.2	Moro Cojo	TCM	01/04/89	ND	ND	ND	24.0	ND	23.0	5.4	13.0	ND	65.4	ND	65.0	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
401.9	98.0	120.0	19.0	600.0	120.0	380.0	ND	46.0	1383.0	ND	NA	120.0	3.2	13.0	55.0	71.2	21.0	24.0	ND
402.1	55.0	130.0	19.0	600.0	33.0	140.0	44.0	31.0	1052.0	150.0	NA	360.0	2.6	7.2	85.0	94.8	13.0	ND	1.2
402.2	7.8	8.4	ND	84.0	ND	13.0	ND	9.7	124.6	NA	NA	32.0	260.0	NA	NA	260.0	ND	NA	2.7
402.2	ND	7.2	ND	65.0	5.6	14.0	ND	ND	91.8	ND	ND	27.0	110.0	130.0	85.0	325.0	ND	ND	2.2
402.2	32.0	52.0	12.0	410.0	77.0	250.0	ND	24.0	857.0	ND	NA	190.0	3.8	18.0	120.0	141.8	19.0	ND	1.0
402.3	ND	6.4	ND	74.0	9.8	29.0	ND	ND	119.2	ND	ND	35.0	31.0	31.0	100.0	162.0	ND	ND	2.8
402.5	13.0	31.0	5.9	200.0	30.0	110.0	ND	9.7	399.6	ND	NA	130.0	5.5	12.0	110.0	127.5	23.0	ND	ND
403.0	ND	11.0	ND	37.0	ND	8.0	ND	ND	56.0	ND	ND	13.0	79.0	120.0	ND	247.0	ND	ND	1.6
403.0	ND	38.0	ND	54.0	5.3	13.0	ND	ND	110.3	ND	ND	13.0	9.8	30.0	31.0	70.8	ND	ND	3.5
403.2	14.0	71.0	10.0	270.0	28.0	100.0	ND	10.0	503.0	ND	ND	162.0	15.0	120.0	280.0	415.0	6.4	ND	1.7

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	Toxa-phene	Tri-butyl-tin
401.9	ND	ND	6.1	ND	3.5	1.6	4.1	NA	NA	17.0	NA	ND	110.0	17.0	ND	130.0	NA	2500.0	NA
402.1	ND	ND	3.2	ND	15.0	ND	ND	NA	NA	NA	NA	ND	96.0	ND	ND	96.0	NA	800.0	NA
402.2	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	55.0	ND	NA	55.0	NA	ND	NA
402.2	ND	ND	ND	ND	1.5	ND	ND	ND	ND	NA	NA	ND	39.0	ND	NA	39.0	ND	ND	NA
402.2	ND	ND	ND	ND	5.7	ND	ND	NA	NA	12.0	NA	ND	120.0	ND	ND	120.0	NA	1000.0	NA
402.3	ND	ND	ND	ND	2.0	ND	ND	ND	ND	NA	NA	ND	36.0	ND	NA	36.0	ND	ND	NA
402.5	ND	ND	ND	ND	15.0	ND	ND	NA	NA	9.5	NA	ND	49.0	ND	ND	49.0	NA	510.0	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	25.0	ND	NA	25.0	ND	ND	NA
403.2	ND	ND	ND	ND	8.9	ND	ND	ND	ND	NA	NA	ND	93.0	ND	NA	93.0	ND	ND	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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
403.5	Moss Landing/South Harbor	TCM	02/02/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.5	Moss Landing/South Harbor	TCM	01/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	ND	ND	ND	10.0	ND	10.0	ND	2.9	ND	22.9	ND	17.0	ND
404.0	Sandholdt Bridge	RBM	11/05/87	ND	ND	ND	12.0	ND	11.0	ND	8.2	ND	31.2	ND	5.1	ND
404.0	Sandholdt Bridge	RBM	02/02/88	ND	ND	ND	22.0	ND	37.0	22.0	30.0	ND	111.0	ND	4.0	ND
404.0	Sandholdt Bridge	RBM	04/07/88	ND	ND	1.7	3.0	ND	ND	ND	11.0	ND	15.7	ND	68.0	ND
404.0	Sandholdt Bridge	RBM	12/08/88	ND	ND	ND	13.0	ND	9.8	5.1	11.4	ND	39.3	ND	24.0	ND
404.0	Sandholdt Bridge	TCM	01/04/89	ND	ND	ND	11.0	ND	7.8	2.6	5.1	ND	26.5	ND	38.0	ND
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	11.6	ND	9.8	5.5	6.7	ND	33.5	6.1	60.4	61.0
404.0	Sandholdt Bridge	TCM	02/04/91	ND	ND	ND	7.7	ND	7.5	3.3	5.9	ND	24.4	ND	5.3	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
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.6	14.0	62.0	3.6	170.0	6.4	42.0	21.0	7.5	326.5	ND	ND	41.0	140.0	60.0	12.0	212.0	ND	ND	2.9
404.0	36.0	120.0	11.0	390.0	ND	25.0	12.0	30.0	624.0	ND	ND	23.0	27.0	ND	ND	27.0	ND	ND	1.7
404.0	62.0	190.0	22.0	1100.0	110.0	360.0	ND	100.0	1944.0	NA	NA	52.0	340.0	ND	NA	340.0	ND	NA	ND
404.0	ND	ND	5.8	400.0	16.0	ND	ND	9.7	431.5	ND	ND	37.0	100.0	130.0	330.0	560.0	ND	ND	1.3
404.0	34.0	230.0	9.5	860.0	ND	22.0	ND	15.0	1170.5	ND	ND	37.0	44.0	26.0	90.0	160.0	ND	ND	1.9
404.0	26.0	99.0	6.8	510.0	39.0	180.0	ND	16.0	876.8	ND	ND	60.0	80.0	80.0	130.0	290.0	7.5	ND	ND
404.0	42.7	134.1	14.0	731.7	73.2	420.7	ND	26.8	1443.3	ND	ND	91.5	146.3	134.1	158.5	439.0	ND	ND	1.2
404.0	14.0	60.0	14.0	180.0	9.6	36.0	ND	18.0	331.6	ND	ND	13.0	4.6	ND	ND	4.6	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
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9568.4
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1900.0
403.6	ND	ND	1.0	ND	1.1	ND	ND	ND	ND	NA	NA	ND	83.0	ND	NA	83.0	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	140.0	ND	NA	140.0	ND	ND	NA
404.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	620.0	ND	NA	620.0	NA	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	190.0	ND	NA	190.0	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	210.0	ND	NA	210.0	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	220.0	ND	NA	220.0	ND	140.0	NA
404.0	ND	ND	1.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	237.8	ND	NA	237.8	ND	853.7	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	85.0	ND	ND	85.0	ND	ND	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 O (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
404.0	Sandholdt Bridge	TCM	01/28/92	ND	NA	ND	3.4	ND	7.5	4.6	5.1	ND	20.6	25.0	120.0	ND
404.0	Sandholdt Bridge	TCM	02/01/93	1.1	NA	1.0	29.0	ND	25.0	17.0	20.0	1.5	93.5	46.0	270.0	NA
405.2	Old Salinas River 2	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	NA
405.2	Old Salinas River 2	TFC	03/10/93	ND	NA	ND	7.2	ND	5.7	4.1	3.8	1.7	22.5	ND	180.0	NA
405.3	Old Salinas River 1	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	2.0	8.2	NA
405.3	Old Salinas River 1	TFC	03/16/92	ND	NA	ND	20.0	ND	4.5	19.0	6.9	4.8	55.2	160.0	430.0	NA
405.3	Old Salinas River 1	TFC	03/10/93	5.9	NA	8.2	93.0	7.2	63.0	ND	71.0	6.3	248.7	1000.0	2800.0	NA
405.6	Salinas River Lag 1	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	NA
405.6	Salinas River Lag 1	TFC	03/10/93	ND	NA	0.6	7.9	ND	3.8	4.0	4.0	ND	20.3	20.0	130.0	NA
405.7	Salinas River Lag 2	SED	01/27/92	ND	NA	ND	3.0	ND	3.0	0.9	ND	ND	6.9	8.0	33.0	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	Ethin	alpha-HCH
404.0	44.0	150.0	17.0	610.0	67.0	450.0	ND	26.0	1364.0	ND	NA	190.0	8.2	33.0	180.0	221.2	37.0	ND	1.4
404.0	110.0	260.0	34.0	1100.0	210.0	750.0	ND	51.0	2515.0	ND	NA	300.0	15.0	53.0	230.0	298.0	43.0	13.0	ND
405.2	ND	0.7	ND	2.0	ND	1.9	ND	ND	4.6	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
405.2	11.0	19.0	7.6	130.0	11.0	35.0	ND	7.9	221.5	ND	NA	27.0	ND	ND	13.0	13.0	ND	ND	ND
405.3	2.0	6.2	ND	9.4	ND	3.7	ND	ND	21.3	ND	NA	2.3	ND	1.1	3.5	4.6	ND	ND	ND
405.3	270.0	410.0	36.0	1900.0	650.0	3400.0	66.0	28.0	6760.0	ND	NA	690.0	15.0	53.0	190.0	258.0	160.0	ND	ND
405.3	300.0	460.0	60.0	1500.0	350.0	1200.0	ND	210.0	4080.0	ND	NA	640.0	61.0	130.0	440.0	631.0	180.0	ND	ND
405.6	ND	1.2	ND	1.5	ND	1.3	ND	ND	4.0	ND	NA	0.7	ND	ND	ND	ND	ND	ND	ND
405.6	6.7	21.0	8.1	140.0	11.0	49.0	ND	9.4	245.2	ND	NA	34.0	ND	2.6	16.0	18.6	4.9	ND	ND
405.7	16.0	64.0	2.8	93.0	ND	95.0	3.0	ND	273.8	11.0	NA	23.0	3.8	29.0	57.0	89.8	4.8	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	2.3	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	520.0	NA
404.0	ND	ND	ND	ND	3.5	1.0	6.4	NA	NA	7.8	NA	ND	240.0	ND	ND	240.0	NA	2200.0	NA
405.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.2	ND	ND	4.9	ND	ND	1.5	ND	NA	NA	ND	NA	ND	130.0	ND	ND	130.0	NA	460.0	NA
405.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.3	ND	ND	ND	ND	ND	13.0	ND	NA	NA	ND	NA	ND	150.0	240.0	ND	390.0	NA	3400.0	NA
405.3	ND	ND	ND	ND	7.2	13.0	16.0	NA	NA	44.0	NA	120.0	300.0	42.0	ND	460.0	NA	5000.0	NA
405.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.6	ND	ND	ND	ND	ND	1.8	ND	NA	NA	ND	NA	24.0	110.0	ND	ND	130.0	NA	330.0	NA
405.7	ND	ND	ND	ND	ND	0.6	ND	NA	NA	ND	NA	ND	21.0	17.0	ND	38.0	NA	ND	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 O (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
405.7	Salinas River Lag 2	TFC	03/16/92	4.3	NA	4.1	78.0	4.4	68.0	32.0	12.0	7.7	206.2	360.0	1100.0	NA
406.0	Westley Station	RFC	01/04/89	ND	ND	ND	2.3	ND	1.0	ND	1.5	ND	4.8	ND	6.3	ND
406.5	Tembladero Slough	TFC	03/10/93	8.3	NA	9.4	78.0	9.1	63.0	ND	70.0	ND	229.5	1100.0	2500.0	NA
407.4	Blanco Pump/West	TFC	03/10/93	5.0	NA	3.6	36.0	3.0	27.0	63.0	39.0	1.7	173.3	520.0	1100.0	NA
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	44.0	12.0	22.0	14.0	120.0	ND	160.0	54.0	382.0	2000.0	3000.0	ND
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	15.0	ND	11.0	210.0	7.0	260.0	1000.0	80.0	23.0	1591.0	3200.0	1900.0	ND
414.0	Pacific Grove	RCM	12/19/88	ND	ND	ND	ND	ND	ND	ND	1.7	ND	1.7	ND	3.0	ND
414.0	Pacific Grove	RCM	01/09/89	ND	ND	ND	10.0	ND	ND	ND	1.3	ND	11.3	ND	ND	ND
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	3.3	ND	2.0	ND	1.3	ND	6.6	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	ND	ND	ND	2.0	ND	1.5	ND	ND	ND	3.5	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	Ethin	alpha-HCH
405.7	550.0	1300.0	97.0	3300.0	890.0	5100.0	130.0	120.0	11487.0	57.0	NA	950.0	79.0	270.0	780.0	1129.0	220.0	ND	1.9
406.0	ND	6.4	ND	67.0	7.7	33.0	ND	ND	114.1	ND	ND	7.6	8.1	NA	NA	8.1	ND	ND	2.1
406.5	270.0	480.0	74.0	1500.0	370.0	1200.0	25.0	190.0	4109.0	ND	NA	700.0	59.0	140.0	320.0	519.0	160.0	ND	ND
407.4	260.0	510.0	67.0	2600.0	620.0	1900.0	54.0	190.0	6201.0	ND	NA	1300.0	15.0	70.0	89.0	174.0	ND	ND	ND
408.9	600.0	2000.0	190.0	2400.0	1300.0	5000.0	780.0	220.0	12490.0	49.0	760.0	2400.0	110.0	174.0	580.0	864.0	260.0	NA	3.0
409.0	1400.0	3900.0	200.0	6000.0	3500.0	11000.0	1700.0	710.0	28410.0	NA	NA	4400.0	120.0	190.0	450.0	760.0	420.0	NA	ND
414.0	ND	ND	ND	30.0	ND	ND	ND	ND	33.4	ND	ND	12.0	7.8	ND	ND	7.8	ND	ND	3.2
414.0	ND	ND	ND	17.0	ND	ND	ND	ND	17.0	ND	ND	6.5	5.6	ND	ND	5.6	ND	ND	4.7
414.0	ND	ND	ND	23.8	ND	ND	ND	ND	23.8	ND	ND	4.0	5.3	NA	NA	5.3	ND	ND	2.6
414.0	ND	ND	ND	19.0	ND	ND	ND	ND	19.0	ND	ND	2.8	ND	ND	ND	ND	ND	ND	1.3

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
405.7	ND	ND	ND	ND	ND	6.5	37.0	NA	NA	ND	NA	52.0	400.0	170.0	ND	622.0	NA	2600.0	NA
406.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	30.0	ND	NA	30.0	ND	ND	NA
406.5	ND	ND	ND	1.0	14.0	15.0	ND	NA	NA	66.0	NA	150.0	310.0	38.0	ND	500.0	NA	6800.0	NA
407.4	ND	ND	ND	ND	1.2	5.6	ND	NA	NA	2.3	NA	83.0	250.0	43.0	ND	380.0	NA	6700.0	NA
408.9	ND	ND	12.0	4.0	76.0	42.0	230.0	ND	ND	NA	NA	ND	1200.0	ND	NA	1200.0	ND	31000.0	NA
409.0	NA	NA	NA	ND	ND	5.1	NA	NA	NA	NA	NA	ND	920.0	ND	NA	920.0	NA	39000.0	NA
414.0	ND	ND	1.2	1.2	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	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND

O-25

* 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 O (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
414.0	Pacific Grove	RCM	01/31/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	Pacific Grove	RCM	02/12/93	ND	NA	ND	4.1	ND	3.2	1.2	2.5	ND	11.0	ND	2.0	NA
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	ND	2.6	15.0	ND	18.0	3.5	14.0	ND	53.1	ND	ND	ND
421.7	Monterey Harbor/Marina	TCM	04/05/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	Monterey Harbor/Marina/Pier B	TCM	01/22/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	Monterey Harbor/Marina/Pier B	TCM	04/05/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	10/28/87	ND	ND	ND	2.0	ND	1.6	ND	1.5	ND	5.1	ND	10.0	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	3.1	ND	ND	ND	1.6	ND	4.7	ND	7.0	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
414.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	4.8	ND	33.0	6.2	19.0	ND	ND	63.0	ND	NA	12.0	ND	ND	ND	ND	ND	ND	ND
421.7	ND	33.0	3.6	110.0	ND	ND	ND	23.0	169.6	NA	NA	19.0	ND	NA	NA	ND	ND	NA	ND
421.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	ND	ND	ND	48.0	ND	31.0	ND	ND	79.0	NA	NA	13.0	ND	NA	NA	ND	20.0	NA	ND
425.6	ND	ND	ND	36.0	ND	ND	ND	ND	36.0	ND	ND	9.6	ND	ND	ND	ND	ND	ND	1.1
425.6	ND	ND	ND	16.0	ND	ND	ND	ND	16.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
425.6	ND	ND	ND	31.0	ND	ND	ND	ND	31.0	ND	ND	1.6	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
414.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
421.7	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	640.0	ND	NA	640.0	NA	580.0	14332.6
421.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11000.0
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29176.1
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8700.0
425.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	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	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

O-26

* 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 O (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	TFC	05/25/92	ND	NA	ND	3.2	ND	3.2	2.1	8.1	ND	16.6	ND	12.0	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
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
429.2	Morro Bay/Boat Works	RBM	03/14/88	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
425.6	ND	ND	ND	100.0	ND	20.0	ND	ND	120.0	ND	NA	2.4	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
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
429.2	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
425.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	87.0	140.0	ND	227.0	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	2.2	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
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
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	649.1

O-27

* 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 O (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-Non-chlor	trans-Non-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
429.2	Morro Bay/Boat Works	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	Morro Bay/Boat Works	TCM	02/02/90	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
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	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	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	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
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660.0
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	279.5
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	1.1	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	1.0	ND	ND	ND	NA	ND	NA	NA	NA

O-28

* 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 O (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
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	2.4	ND	1.8	ND	1.2	ND	5.3	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	24.9	ND	ND	ND	ND	24.9	ND	ND	5.9	2.4	ND	ND	2.4	ND	ND	3.6
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	ND	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	24.0	ND	ND	24.0	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	50.0	ND	ND	50.0	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

O-29

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
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	NA
430.4	NA	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	NA
434.0	NA	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	NA
434.0	NA	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	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	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	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
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	20.0	ND	ND	20.0	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

O-30

* 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 O (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
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	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	NA	ND	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	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	24.0	ND	ND	24.0	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	38.0	ND	ND	38.0	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	20.0	ND	NA	20.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	38.0	ND	NA	38.0	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	ND	ND	NA	ND	NA	NA	NA

O-31

* 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 O (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
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	14.0	ND	ND	14.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	25.0	ND	ND	25.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	50.0	ND	NA	50.0	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	35.0	ND	NA	35.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15.0	ND	NA	15.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	35.7	ND	NA	35.7	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	19.6	ND	NA	19.6	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

O-32

* 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 O (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
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	17.8	ND	NA	17.8	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	93.0	ND	ND	93.0	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	21.0	ND	ND	21.0	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	92.0	ND	ND	92.0	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA

O-33

* 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 O (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-Non-chlor	trans-Non-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
440.0	Lion Rock/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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

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	
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	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	NA
443.0	NA	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	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	
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	ND	ND	ND	NA	ND	NA	NA	NA	NA

O-34

* 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 O (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
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
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

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	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
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
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	15.7	ND	NA	15.7	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	13.0	ND	ND	13.0	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	44.0	ND	ND	44.0	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	17.0	ND	ND	17.0	NA	NA	NA
443.1	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	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

O-35

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
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
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

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	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
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
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	19.3	ND	NA	19.3	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	18.3	ND	NA	18.3	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	13.0	ND	ND	13.0	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	24.0	ND	ND	24.0	NA	NA	NA
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	ND	ND	ND	ND	ND	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	ND	29.0	ND	NA	29.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	ND	100.0	ND	NA	100.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

O-36

* 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 O (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
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
446.0	San Luis Obispo Creek 1	TFC	02/26/91	ND	ND	6.9	73.0	6.4	56.0	35.0	89.0	6.4	272.7	ND	ND	ND
446.1	San Luis Obispo/Creek 2	SED	02/25/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NA
446.2	San Luis Obispo Creek 3	SED	02/25/92	ND	NA	ND	0.8	ND	0.7	ND	0.5	ND	2.0	ND	1.6	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	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
446.0	ND	35.0	ND	63.0	ND	20.0	ND	ND	118.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
446.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
446.2	ND	0.5	ND	1.0	ND	2.1	ND	ND	3.6	ND	NA	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
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	120.0	ND	NA	120.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	39.9	ND	NA	39.9	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	177.3	ND	NA	177.3	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	100.0	ND	ND	ND	100.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	56.0	ND	NA	56.0	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130.0	460.0	ND	ND	590.0	NA	NA	NA	NA
446.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	220.0	ND	ND	220.0	ND	ND	NA
446.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
446.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.6	NA	ND	21.0	ND	ND	21.0	NA	ND	NA

O-37

* 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 O (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-Non-chlor	trans-Non-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
446.4	San Luis Obispo/Creek 4	SED	02/25/92	ND	NA	ND	0.6	ND	0.6	ND	ND	ND	1.2	ND	1.3	NA
450.0	Point Conception	RCM	01/04/91	ND	ND	ND	1.3	ND	2.0	ND	ND	ND	3.3	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	ND	ND	ND	1.0	ND	1.1	ND	ND	ND	2.1	ND	ND	ND
455.0	Gaviota	TCM	03/21/89	ND	ND	ND	3.5	ND	ND	ND	1.2	ND	4.7	ND	ND	ND
460.0	Goleta Slough 1	TCM	12/18/88	ND	ND	2.0	40.0	ND	26.0	13.0	42.0	3.3	126.3	ND	10.0	29.0
460.0	Goleta Slough 1	SED	09/03/89	ND	ND	1.9	5.4	1.1	6.0	2.2	6.0	ND	22.7	ND	ND	ND
460.0	Goleta Slough 1	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	Goleta Slough 2	SED	09/03/89	ND	ND	0.7	3.7	ND	4.2	2.0	2.8	ND	13.3	ND	ND	ND
460.1	Goleta Slough 2	SED	11/13/90	ND	ND	ND	3.1	ND	3.4	ND	2.0	ND	8.5	ND	ND	ND
460.2	Goleta Slough 3	SED	11/13/90	ND	ND	ND	1.3	ND	1.4	ND	ND	ND	2.7	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
446.4	ND	ND	ND	1.0	ND	ND	ND	ND	1.0	ND	NA	0.5	ND	ND	ND	ND	ND	ND	ND
450.0	ND	3.2	4.5	35.0	ND	ND	ND	ND	42.7	ND	ND	1.4	ND	NA	NA	ND	ND	ND	1.6
455.0	ND	ND	ND	4.3	ND	ND	ND	ND	4.3	ND	ND	1.2	ND	NA	NA	ND	ND	ND	1.5
455.0	ND	ND	ND	31.0	ND	ND	ND	ND	31.0	ND	ND	2.9	ND	NA	NA	ND	ND	ND	2.4
460.0	ND	ND	ND	71.0	ND	ND	ND	ND	71.0	ND	ND	13.0	3.2	NA	NA	3.2	ND	ND	ND
460.0	ND	8.0	ND	13.0	ND	2.8	ND	ND	23.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	ND	7.2	ND	20.1	ND	3.3	ND	ND	30.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	ND	3.1	ND	3.7	ND	ND	ND	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.2	ND	4.7	ND	ND	ND	ND	ND	ND	4.7	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
446.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	20.0	ND	ND	20.0	NA	ND	NA
450.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.0	ND	ND	10.0	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	40.0	ND	NA	40.0	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	97.2	32.4	NA	129.6	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	14.0	ND	NA	140.0	ND	ND	NA
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
460.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA

O-38

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
460.3	Goleta Slough 4	SED	11/13/90	ND	ND	ND	1.7	ND	1.9	ND	1.5	ND	5.1	ND	ND	ND
470.0	Santa Barbara Harbor	TCM	01/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
470.0	Santa Barbara Harbor	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
471.0	Mission Creek	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
472.0	Waste Slough/Laguna Drainage	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
475.0	Carpinteria Marsh	TCM	01/26/88	ND	ND	ND	9.0	ND	6.2	ND	5.5	ND	20.7	ND	ND	ND
475.0	Carpinteria Marsh	TCM	12/18/88	ND	ND	ND	15.0	ND	11.0	1.6	7.5	ND	35.1	11.0	ND	ND
480.0	Lake Isabella	RFC	02/09/93	ND	NA	ND	4.4	ND	4.2	3.6	4.5	ND	16.7	ND	6.3	NA
485.0	Ventura Marina	TCM	01/25/88	ND	ND	9.4	30.0	ND	29.0	9.9	30.0	ND	108.3	ND	43.0	ND
485.2	Ventura River Estuary	SED	08/29/91	ND	NA	ND	0.5	ND	0.5	ND	ND	ND	1.0	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
460.3	ND	ND	ND	5.1	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
471.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
472.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
475.0	ND	ND	ND	62.0	ND	18.0	ND	ND	80.0	NA	NA	7.0	36.0	NA	NA	36.0	ND	NA	ND
475.0	ND	46.0	3.7	130.0	ND	12.0	ND	6.7	198.4	ND	ND	11.0	22.0	ND	100.0	122.0	ND	ND	2.2
480.0	ND	11.0	7.1	93.0	ND	ND	ND	8.4	119.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
485.0	27.0	66.0	22.0	410.0	37.0	150.0	41.0	48.0	801.0	NA	NA	11.0	53.0	NA	NA	53.0	ND	NA	ND
485.2	ND	2.1	ND	3.1	ND	ND	ND	ND	5.2	ND	NA	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
460.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	140.0	22.0	1000.0	162.0	ND	ND	NA
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4424.4
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5200.0
471.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
472.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	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	30.0	ND	NA	30.0	ND	ND	NA
480.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	NA
485.0	NA	NA	NA	7.0	ND	ND	NA	NA	NA	NA	NA	ND	380.0	ND	NA	380.0	NA	ND	8786.8
485.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	21.0	ND	ND	21.0	NA	ND	NA

O-39

* 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 O (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
487.1	Santa Clara River Estuary 1	SED	08/29/91	ND	NA	ND	1.4	ND	1.8	ND	1.2	ND	4.4	ND	1.0	NA
487.3	Santa Clara River Estuary 2	SED	08/29/91	ND	NA	ND	1.0	ND	0.6	ND	0.5	ND	2.1	1.4	2.3	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	ND	ND	ND	6.4	ND	17.0	ND	26.0	ND	49.4	ND	ND	ND
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	11.0	ND	10.0	ND	13.0	ND	34.0	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	3.0	8.2	ND	10.0	6.4	8.6	ND	36.2	ND	ND	ND
507.1	Mugu Lagoon/L Street	SED	09/01/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.1	Mugu Lagoon/L Street	TCM	12/28/90	ND	ND	1.2	17.0	ND	11.0	9.5	15.0	1.2	54.9	ND	64.0	ND
507.2	Mugu Lagoon/Laguna Road	SED	09/01/90	ND	ND	ND	1.2	ND	1.2	ND	1.0	ND	3.4	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
487.1	9.7	46.0	1.0	43.0	2.5	8.0	ND	4.2	114.4	ND	NA	0.6	ND	1.1	2.4	3.5	ND	ND	ND
487.3	ND	2.7	ND	6.3	ND	12.0	ND	ND	21.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
506.1	28.0	390.0	58.0	170.0	ND	42.0	ND	34.0	722.0	NA	NA	7.0	ND	NA	NA	ND	ND	NA	ND
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	20.0	94.0	5.0	136.0	8.2	31.0	ND	22.0	316.2	ND	ND	ND	2.4	ND	ND	2.4	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	39.0	15.0	120.0	16.0	100.0	ND	36.0	326.0	NA	NA	5.8	13.0	NA	NA	13.0	ND	NA	ND
507.1	3.1	12.0	ND	18.0	ND	4.4	ND	ND	37.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.1	38.0	110.0	14.0	460.0	6.7	32.0	ND	34.0	694.7	ND	ND	6.8	14.0	40.0	170.0	224.0	ND	ND	2.1
507.2	2.6	8.6	ND	50.0	2.0	4.0	ND	ND	67.2	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
487.1	ND	ND	ND	ND	ND	0.2	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
487.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
506.1	NA	NA	NA	5.7	ND	ND	NA	NA	NA	NA	NA	ND	1800.0	ND	NA	1800.0	NA	ND	1366.3
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2100.0	ND	NA	2100.0	NA	NA	1700.0
506.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	580.0	ND	NA	580.0	ND	ND	7431.4
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	950.0	ND	NA	950.0	NA	NA	2500.0
506.3	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	1400.0	ND	NA	1400.0	NA	ND	929.7
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	NA	ND	62.0	ND	ND	62.0	ND	200.0	NA
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	49.0	ND	49.0	ND	ND	NA

O-40

* 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 O (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
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90	ND	ND	1.0	20.0	ND	11.0	9.4	18.0	ND	59.4	ND	23.0	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	ND	7.2	100.0	1.2	49.0	17.0	82.0	7.3	263.7	48.0	300.0	ND
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	ND	ND	0.3	3.8	ND	3.3	1.3	3.0	ND	11.8	3.7	2.9	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90	ND	ND	3.3	44.0	3.7	36.0	23.0	56.0	4.6	170.6	ND	41.0	ND
507.3	Mugu Lagoon/Calleguas Creek	SED	08/29/91	ND	NA	ND	3.2	ND	2.3	1.0	2.6	ND	9.1	ND	2.5	NA
507.3	Mugu Lagoon/Calleguas Creek	SED	09/10/92	ND	NA	0.5	4.2	ND	3.8	2.0	3.7	ND	14.2	2.6	12.0	NA
507.4	Ag Drain/Etting Road	SED	11/28/90	ND	ND	1.0	7.1	ND	6.3	2.4	5.6	ND	22.4	16.0	1.7	ND
507.6	Ag Drain/Pleasant Valley Road	SED	11/28/90	1.3	ND	1.2	12.0	ND	11.0	4.4	10.0	ND	38.6	53.0	120.0	ND
507.7	Revolon Slough/Las Posas Rd	SED	11/28/90	ND	ND	ND	7.3	ND	5.3	2.0	5.7	ND	20.3	8.0	ND	ND
507.8	Revolon Slough	TFC	03/14/88	ND	ND	70.0	780.0	74.0	700.0	1000.0	800.0	250.0	3674.0	1200.0	9400.0	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	Ethin	alpha-HCH
507.2	39.0	130.0	24.0	800.0	13.0	32.0	ND	43.0	1081.0	ND	ND	11.0	5.7	31.0	74.0	110.7	ND	ND	1.9
507.3	102.0	449.0	80.0	2900.0	66.0	180.0	27.0	57.0	3861.0	ND	ND	43.0	54.0	140.0	140.0	334.0	7.2	42.0	ND
507.3	9.7	27.0	ND	127.2	2.5	17.5	ND	4.0	187.9	ND	ND	1.0	1.6	3.7	6.4	11.6	ND	ND	ND
507.3	87.0	230.0	37.0	1600.0	ND	130.0	ND	78.0	2162.0	ND	ND	31.0	170.0	100.0	190.0	460.0	ND	ND	3.7
507.3	7.8	34.0	2.4	140.0	4.2	15.0	ND	ND	203.4	ND	NA	0.6	ND	2.6	3.5	6.1	ND	ND	ND
507.3	11.0	44.0	3.1	200.0	5.2	24.0	ND	6.0	293.3	ND	NA	ND	ND	1.5	2.6	4.1	ND	ND	ND
507.4	8.3	32.0	ND	100.0	11.0	33.0	ND	ND	184.3	ND	ND	ND	ND	18.0	ND	18.0	ND	ND	1.1
507.6	30.0	95.0	8.0	320.0	46.0	100.0	8.5	8.0	615.5	30.0	23.0	ND	22.0	77.0	33.0	132.0	ND	ND	ND
507.7	23.0	92.0	6.8	340.0	17.0	38.0	ND	8.0	524.8	35.0	ND	ND	ND	16.0	39.0	55.0	3.0	ND	ND
507.8	2100.0	4800.0	540.0	20000.0	6800.0	20000.0	ND	690.0	54930.0	NA	ND	480.0	1500.0	1600.0	1100.0	4200.0	180.0	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
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	140.0	ND	ND	140.0	ND	230.0	NA
507.3	ND	ND	2.9	ND	4.1	1.4	ND	ND	ND	NA	NA	ND	460.0	ND	NA	460.0	ND	1800.0	NA
507.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	13.7	ND	54.1	NA	67.7	ND	30.2	NA
507.3	ND	ND	ND	ND	ND	3.2	ND	ND	ND	NA	NA	ND	64.0	ND	ND	64.0	ND	1700.0	NA
507.3	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	NA	ND	ND	31.0	ND	31.0	NA	200.0	NA
507.3	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	NA	ND	18.0	30.0	ND	48.0	NA	1900.0	NA
507.4	ND	ND	ND	ND	ND	0.6	8.0	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	170.0	NA
507.6	ND	ND	1.7	ND	ND	0.7	14.0	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	920.0	NA
507.7	ND	ND	1.6	ND	ND	1.0	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	340.0	NA
507.8	NA	NA	NA	18.0	410.0	180.0	NA	NA	NA	NA	NA	180.0	3900.0	ND	NA	4080.0	ND	47000.0	NA

O-41

* 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 O (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-Non-chlor	trans-Non-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
507.8	Revolon Slough	SED	01/29/89	ND	ND	1.9	13.0	ND	7.1	4.1	12.0	ND	38.1	13.0	230.0	ND
507.8	Revolon Slough	TFC	01/29/89	ND	ND	47.0	360.0	42.0	120.0	ND	320.0	ND	889.0	770.0	1500.0	ND
507.8	Revolon Slough	SED	09/03/89	ND	ND	ND	7.4	ND	6.4	5.4	6.2	ND	25.2	8.5	6.6	ND
507.8	Revolon Slough	SED	11/28/90	ND	ND	1.9	13.0	ND	12.0	5.0	9.0	ND	40.9	6.2	1.1	ND
507.8	Revolon Slough	TFC	03/11/91	ND	ND	22.0	270.0	8.9	200.0	620.0	240.0	ND	1360.9	72.0	560.0	ND
508.1	Mugu Drainage 1	SED	09/03/89	ND	ND	ND	2.0	ND	2.0	1.0	2.0	ND	6.9	1.6	1.0	ND
508.2	Mugu Drainage 2	SED	09/03/89	ND	ND	0.7	14.5	0.5	13.4	6.9	8.9	ND	45.0	25.4	45.4	ND
508.3	Mugu Drainage 3	SED	09/03/89	ND	ND	0.5	9.9	0.5	8.5	8.0	9.1	ND	36.5	11.3	25.8	ND
508.4	Mugu Drainage 4	SED	09/03/89	ND	ND	ND	4.2	ND	2.8	3.1	3.2	ND	13.3	14.3	5.3	ND
508.5	Mugu Drainage 5	SED	09/03/89	ND	ND	ND	0.6	ND	0.6	0.7	0.9	ND	2.7	ND	1.3	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	36.0	120.0	13.0	1300.0	27.0	140.0	ND	12.0	1648.0	ND	ND	4.0	13.0	ND	ND	13.0	ND	ND	ND
507.8	640.0	2500.0	400.0	9500.0	2000.0	9400.0	ND	390.0	24830.0	25.0	ND	130.0	2100.0	1100.0	9600.0	12800.0	50.0	ND	ND
507.8	35.8	119.3	9.5	457.3	35.8	91.5	ND	15.5	764.6	ND	ND	2.2	5.4	9.1	18.1	32.6	ND	ND	ND
507.8	49.0	170.0	10.0	390.0	15.0	38.0	7.4	13.0	692.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.8	1400.0	2100.0	150.0	1300.0	680.0	5800.0	ND	420.0	11850.0	ND	ND	53.0	110.0	110.0	290.0	510.0	22.0	ND	ND
508.1	6.7	16.8	ND	79.2	ND	9.7	ND	2.0	114.5	ND	ND	0.8	0.8	ND	4.0	4.8	ND	ND	ND
508.2	27.2	103.4	4.4	272.2	39.9	199.6	ND	5.4	652.3	ND	ND	4.4	152.5	112.5	41.7	306.7	ND	ND	ND
508.3	25.3	109.9	5.2	329.7	46.7	123.6	10.7	22.3	673.4	ND	ND	4.1	12.4	27.5	104.4	144.2	ND	ND	ND
508.4	27.8	102.3	8.9	321.6	36.5	90.6	ND	11.3	599.1	ND	ND	1.5	5.0	9.2	6.6	20.8	ND	ND	ND
508.5	1.9	12.0	ND	48.6	4.7	24.3	ND	ND	91.6	ND	ND	ND	1.0	2.3	4.3	7.6	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	3.2	ND	ND	ND	NA	NA	ND	96.0	ND	NA	96.0	ND	510.0	NA
507.8	ND	ND	27.0	15.0	ND	10.0	ND	ND	ND	NA	NA	ND	440.0	ND	NA	440.0	ND	74000.0	NA
507.8	ND	ND	0.4	ND	ND	0.6	ND	ND	ND	NA	NA	ND	4.0	ND	NA	4.0	ND	258.4	NA
507.8	ND	3.0	1.4	ND	ND	1.0	10.0	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	390.0	NA
507.8	ND	ND	ND	ND	ND	17.0	ND	ND	ND	11.0	NA	ND	ND	ND	ND	ND	ND	34000.0	NA
508.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	27.7	NA	27.7	ND	ND	NA
508.2	ND	ND	ND	ND	ND	0.7	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	363.0	NA
508.3	ND	ND	1.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	467.0	NA
508.4	ND	ND	ND	ND	ND	0.3	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	219.3	NA
508.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	65.8	NA

O-42

* 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 O (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
508.6	Mugu Drainage 6	SED	09/03/89	ND	ND	0.4	6.3	0.4	5.2	3.7	5.9	ND	22.0	4.6	2.2	ND
508.7	Mugu Drainage 7	SED	09/03/89	ND	ND	ND	1.8	ND	1.8	2.2	2.0	ND	7.7	2.7	8.8	ND
509.0	Calleguas	SED	09/03/89	ND	ND	0.5	11.9	ND	11.9	3.0	7.9	ND	35.3	5.8	38.1	ND
553.0	Marina Del Rey/Entrance	TCM	12/19/88	ND	ND	5.8	57.0	ND	46.0	13.0	48.0	ND	169.8	12.0	ND	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	4.2	ND	13.0	110.0	6.8	92.0	ND	84.0	ND	305.8	ND	4.0	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	ND	ND	8.9	92.0	ND	61.0	18.0	92.0	ND	271.9	6.6	ND	ND
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	ND	4.4	89.0	ND	69.0	26.0	41.0	5.3	234.7	ND	ND	ND
555.0	Marina Del Rey/Basin G	TCM	12/19/88	ND	ND	7.0	97.0	1.8	46.0	31.0	72.0	12.0	266.8	ND	ND	ND
555.2	Marina Del Rey/Basin D	TCM	01/25/88	ND	ND	10.0	120.0	ND	130.0	77.0	50.0	9.2	396.2	ND	ND	ND
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	ND	2.8	140.0	ND	140.0	80.0	98.0	7.6	468.4	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
508.6	23.9	69.6	10.0	456.5	28.3	95.7	ND	9.6	693.5	ND	ND	2.4	13.9	30.4	18.3	62.6	ND	ND	ND
508.7	8.6	41.4	4.0	215.8	39.6	149.3	ND	2.0	460.6	ND	ND	1.1	2.2	6.8	14.7	23.7	ND	ND	ND
509.0	27.9	88.8	7.1	355.3	30.5	53.3	ND	12.9	575.9	ND	ND	2.5	7.9	15.0	16.5	39.3	ND	ND	ND
553.0	7.5	57.0	32.0	170.0	ND	7.3	ND	22.0	295.8	ND	ND	15.0	ND	ND	ND	ND	ND	ND	ND
554.0	12.0	62.0	17.0	210.0	4.8	15.0	32.0	14.0	366.8	ND	ND	36.0	ND	ND	ND	ND	ND	28.0	2.0
554.0	4.5	140.0	36.0	260.0	5.7	12.0	ND	28.0	486.2	ND	ND	37.0	ND	ND	ND	ND	ND	ND	1.0
555.0	ND	28.0	15.0	120.0	ND	ND	ND	14.0	177.0	ND	ND	48.0	ND	ND	ND	ND	ND	ND	1.1
555.0	22.0	154.0	52.0	300.0	ND	4.2	34.0	27.0	593.2	ND	ND	44.0	ND	62.0	100.0	162.0	ND	ND	ND
555.2	ND	45.0	11.0	220.0	ND	45.0	ND	36.0	357.0	NA	NA	90.0	ND	NA	NA	ND	ND	NA	ND
556.0	ND	63.0	41.0	280.0	ND	28.0	130.0	59.0	601.0	NA	NA	120.0	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
508.6	ND	0.9	0.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	6.5	ND	NA	6.5	ND	260.9	NA
508.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	233.8	NA
509.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	55.8	NA	55.8	ND	114.2	NA
553.0	ND	ND	1.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	290.0	ND	NA	290.0	ND	ND	NA
554.0	ND	ND	2.4	2.4	1.4	ND	ND	ND	ND	NA	NA	ND	580.0	ND	NA	580.0	ND	ND	NA
554.0	ND	ND	1.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	890.0	ND	NA	890.0	ND	ND	NA
555.0	ND	ND	ND	ND	1.7	ND	ND	ND	ND	NA	NA	ND	290.0	ND	NA	290.0	ND	ND	4124.0
555.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.0	ND	NA	1100.0	ND	ND	8300.0
555.2	NA	NA	NA	ND	7.5	ND	NA	NA	NA	NA	NA	ND	680.0	ND	NA	680.0	NA	ND	2488.5
556.0	NA	NA	NA	ND	7.0	ND	NA	NA	NA	NA	NA	ND	690.0	ND	NA	690.0	NA	ND	6163.6

O-43

* 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 O (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
556.0	Marina Del Rey/Basin E	TCM	12/19/88	ND	ND	5.3	100.0	ND	73.0	46.0	93.0	ND	317.3	ND	ND	ND
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	ND	ND	5.7	61.0	5.5	63.0	22.0	59.0	2.7	218.9	ND	ND	ND
559.0	King Harbor	TCM	12/28/87	ND	ND	ND	13.0	ND	15.0	9.6	13.0	1.6	52.2	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/28/87	ND	ND	6.6	43.0	ND	62.0	29.0	48.0	3.7	192.3	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	2.2	22.0	1.1	17.0	9.9	21.0	ND	73.2	ND	ND	ND
601.0	La Harbor/National Steel	SED	08/29/91	ND	NA	ND	2.0	ND	4.0	1.3	2.3	ND	9.6	7.2	0.4	NA
601.0	La Harbor/National Steel	TCM	12/22/91	ND	NA	1.0	33.0	ND	28.0	10.0	24.0	1.4	97.4	8.0	ND	NA
601.0	LA Harbor/National Steel	SED	09/10/92	ND	NA	0.7	2.0	ND	3.0	1.4	2.1	ND	9.2	5.6	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
556.0	33.0	64.0	83.0	420.0	ND	4.6	42.0	62.0	708.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
557.0	11.0	22.0	8.2	67.0	44.0	67.0	ND	5.4	224.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
559.0	ND	12.0	48.0	210.0	11.0	20.0	ND	38.0	339.0	NA	NA	14.0	ND	NA	NA	ND	ND	NA	ND
601.0	ND	9.0	140.0	390.0	130.0	500.0	ND	130.0	1299.0	NA	NA	25.0	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	33.0	110.0	62.0	340.0	6.4	9.4	23.0	36.0	619.8	ND	ND	8.5	ND	NA	NA	ND	ND	ND	ND
601.0	3.7	42.0	16.0	81.0	ND	ND	4.0	3.2	149.9	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
601.0	39.0	170.0	69.0	470.0	3.4	9.9	34.0	44.0	839.3	ND	NA	13.0	ND	ND	ND	ND	ND	ND	1.0
601.0	4.6	21.0	4.2	51.0	1.3	9.0	ND	2.6	93.7	ND	NA	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
556.0	ND	ND	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	1400.0	ND	NA	1400.0	ND	ND	7800.0
557.0	ND	ND	3.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	550.0	ND	NA	550.0	ND	ND	NA
559.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	340.0	ND	NA	340.0	NA	ND	6244.4
601.0	NA	NA	NA	ND	5.3	ND	NA	NA	NA	NA	NA	1800.0	2500.0	ND	NA	4300.0	NA	ND	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	870.0	2600.0	ND	NA	3470.0	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2123.9	2477.9	ND	NA	4601.8	NA	NA	NA
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	250.0	1000.0	ND	ND	1250.0	ND	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	760.0	580.0	300.0	ND	1640.0	NA	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	170.0	860.0	150.0	ND	1180.0	NA	ND	NA
601.0	ND	ND	0.8	2.2	ND	0.4	ND	NA	NA	ND	NA	310.0	140.0	160.0	ND	610.0	NA	440.0	1100.0

O-44

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
601.0	LA Harbor/National Steel	RBM	01/06/93	ND	NA	ND	23.0	ND	21.0	17.0	20.0	3.4	84.4	6.6	ND	NA
602.0	LA Harbor/West Basin	TCM	12/28/87	ND	ND	1.1	23.0	ND	24.0	ND	16.0	1.2	65.3	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
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	1.1	15.0	ND	9.5	11.0	16.0	ND	52.6	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	2.0	19.0	ND	24.0	ND	24.0	ND	69.0	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

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
601.0	25.0	93.0	47.0	460.0	37.0	140.0	18.0	36.0	856.0	ND	NA	5.4	ND	ND	ND	ND	ND	ND	ND
602.0	12.0	60.0	57.0	200.0	5.4	13.0	ND	12.0	359.4	ND	ND	8.2	ND	ND	ND	ND	ND	ND	1.4
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
602.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	26.0	79.0	81.0	510.0	ND	8.5	24.0	41.0	769.5	ND	ND	7.8	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	45.0	240.0	92.0	490.0	ND	48.0	100.0	59.0	1074.0	NA	NA	20.0	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

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
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	700.0	710.0	ND	ND	1400.0	NA	520.0	3600.0
602.0	ND	ND	1.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	1000.0	ND	NA	1000.0	ND	ND	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.5	935.3	ND	NA	1028.8	NA	NA	NA
602.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	69.0	1300.0	ND	ND	1369.0	ND	ND	NA
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	820.0	ND	NA	820.0	NA	NA	NA
603.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	270.0	ND	NA	270.0	NA	ND	NA
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1200.0	ND	NA	1200.0	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	420.0	ND	NA	420.0	NA	NA	NA

O-45

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
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	13.0	ND	8.0	3.8	6.7	ND	31.5	ND	ND	ND
605.0	La Harbor/Cabrillo Pier	RCM	12/22/91	ND	NA	ND	4.4	ND	3.5	3.2	9.0	ND	20.1	ND	ND	NA
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93	ND	NA	ND	9.9	ND	9.6	13.0	9.8	ND	42.3	3.9	ND	NA
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	16.0	ND	15.0	5.0	11.0	1.3	48.3	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	ND	2.6	32.0	ND	28.0	13.0	21.0	2.8	99.4	14.0	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	ND	ND	6.9	48.0	1.6	27.0	4.4	44.0	ND	131.9	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	3.3	26.1	ND	23.9	9.8	19.6	ND	82.6	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	
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	21.0	41.0	97.0	840.0	ND	5.1	31.0	81.0	1116.1	ND	ND	8.7	ND	NA	NA	ND	ND	ND	ND	ND
605.0	15.0	35.0	170.0	1200.0	ND	ND	29.0	98.0	1547.0	ND	NA	2.0	ND	ND	ND	ND	ND	ND	ND	ND
605.0	12.0	30.0	100.0	780.0	8.5	23.0	21.0	63.0	1037.5	ND	NA	3.1	ND	ND	ND	ND	ND	ND	ND	ND
606.2	NA	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	NA
609.0	8.9	17.0	43.0	230.0	10.0	6.6	20.0	35.0	370.5	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	1.4
616.0	22.0	66.0	29.0	170.0	ND	40.0	ND	37.0	364.0	ND	ND	9.2	ND	ND	ND	ND	ND	ND	ND	1.2
616.0	23.0	174.0	62.0	440.0	ND	13.0	36.0	24.0	772.0	ND	ND	9.7	ND	NA	NA	ND	ND	ND	ND	ND
616.0	20.7	100.0	22.8	130.4	ND	9.8	35.0	16.3	335.0	ND	ND	9.8	ND	NA	NA	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
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	110.0	ND	NA	110.0	NA	NA	3294.9
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	480.0	ND	NA	480.0	ND	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	69.0	630.0	ND	ND	699.0	NA	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	88.0	490.0	ND	ND	580.0	NA	180.0	NA
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	520.0	ND	NA	520.0	NA	NA	3439.3
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	620.0	ND	NA	620.0	NA	NA	11239.0
609.0	ND	ND	1.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	180.0	ND	NA	180.0	ND	ND	NA
616.0	ND	ND	2.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	550.0	ND	NA	550.0	ND	ND	1106.1
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.0	ND	NA	1100.0	ND	ND	4800.0
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	217.4	510.9	ND	NA	728.3	ND	ND	2437.2

O-46

* 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 O (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
616.0	LA Harbor/Consolidated Slip	TCM	12/23/90	ND	ND	3.2	27.0	1.5	21.0	15.0	32.0	ND	99.7	ND	ND	ND
616.0	La Harbor/Consolidated Slip	SED	08/29/91	ND	NA	6.6	33.0	3.8	40.0	7.7	28.0	1.4	120.5	59.0	ND	NA
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	ND	NA	4.0	38.0	2.2	35.0	14.0	38.0	ND	131.2	ND	ND	NA
616.0	LA Harbor/Consolidated Slip	SED	09/10/92	1.5	NA	8.5	29.0	5.7	27.0	8.9	22.0	0.9	102.0	36.0	ND	NA
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92	ND	NA	3.3	44.0	2.8	37.0	26.0	36.0	5.7	154.8	12.0	3.5	NA
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	ND	NA	ND	42.0	1.3	33.0	19.0	47.0	6.2	148.5	8.9	ND	NA
617.6	Point Fermin	RCM	01/05/93	ND	NA	ND	7.4	ND	4.9	2.7	4.7	2.8	22.5	6.5	ND	NA
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93	ND	NA	ND	3.5	ND	8.4	1.6	3.1	ND	16.6	ND	ND	NA
618.0	LA Harbor/Angels Gate	TCM	12/23/90	ND	ND	ND	8.0	ND	6.4	3.7	8.7	ND	26.8	ND	ND	ND
618.0	LA Harbor/Angels Gate	RCM	12/22/91	ND	NA	ND	5.9	ND	6.1	3.2	8.5	1.8	25.5	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
616.0	37.0	120.0	45.0	270.0	ND	ND	27.0	27.0	526.0	ND	ND	7.5	ND	NA	NA	ND	ND	ND	ND
616.0	36.0	200.0	20.0	320.0	25.0	43.0	4.6	4.9	653.5	33.0	NA	14.0	ND	ND	ND	ND	ND	ND	ND
616.0	23.0	200.0	46.0	360.0	ND	14.0	ND	31.0	674.0	ND	NA	13.0	ND	ND	ND	ND	ND	ND	ND
616.0	39.0	150.0	16.0	350.0	20.0	57.0	ND	6.6	638.6	ND	NA	6.3	ND	5.6	ND	5.6	ND	2.0	ND
616.0	48.0	150.0	39.0	500.0	33.0	140.0	29.0	49.0	988.0	ND	NA	13.0	ND	ND	ND	ND	ND	ND	ND
616.0	38.0	160.0	39.0	570.0	62.0	240.0	22.0	36.0	1167.0	ND	NA	6.6	ND	ND	ND	ND	ND	ND	ND
617.6	8.8	28.0	66.0	700.0	ND	11.0	ND	77.0	890.8	ND	NA	2.7	ND	ND	ND	ND	ND	ND	ND
617.9	4.9	11.0	39.0	380.0	ND	5.3	ND	38.0	478.2	ND	NA	5.0	ND	ND	ND	ND	ND	ND	ND
618.0	15.0	48.0	120.0	920.0	ND	ND	24.0	83.0	1210.0	ND	ND	1.1	ND	NA	NA	ND	ND	ND	1.7
618.0	13.0	52.0	170.0	1200.0	ND	15.0	28.0	120.0	1598.0	ND	NA	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
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	NA	110.0	760.0	ND	ND	870.0	ND	ND	ND
616.0	ND	ND	ND	ND	0.6	2.2	ND	NA	NA	21.0	NA	180.0	880.0	1400.0	ND	2460.0	NA	ND	NA
616.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	130.0	810.0	ND	ND	940.0	NA	ND	NA
616.0	ND	ND	0.8	4.8	ND	3.6	ND	NA	NA	37.0	NA	540.0	240.0	250.0	ND	1000.0	NA	3400.0	1000.0
616.0	ND	ND	ND	2.0	ND	ND	ND	NA	NA	ND	NA	260.0	610.0	ND	ND	870.0	NA	1900.0	1800.0
616.0	2.2	ND	ND	ND	ND	ND	ND	NA	NA	7.5	NA	250.0	610.0	23.0	ND	880.0	NA	2100.0	NA
617.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	230.0	ND	ND	230.0	NA	ND	NA
617.9	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	130.0	ND	ND	130.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	710.0	ND	ND	710.0	ND	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	68.0	620.0	ND	ND	688.0	NA	ND	NA

O-47

* 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 O (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
618.0	LA Harbor/Angels Gate	RCM	03/08/93	1.3	NA	ND	11.0	ND	12.0	5.4	9.7	2.0	40.1	ND	ND	NA
619.0	LA Harbor/San Pedro Boatworks	RBM	12/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
619.2	San Pedro Breakwater	RCM	03/08/93	ND	NA	ND	5.8	ND	8.4	2.5	4.4	ND	21.1	ND	ND	NA
620.0	LB Harbor/JH Baxter 80	TCM	12/23/90	ND	ND	ND	9.5	ND	11.0	3.2	9.6	ND	33.3	ND	ND	ND
621.0	LA Harbor/Berth 120	TCM	12/23/90	ND	ND	ND	16.0	ND	1.8	10.0	13.0	ND	40.8	ND	ND	ND
622.0	LA Harbor/Commer Marine	TCM	12/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
648.0	Malibu	RBM	12/26/90	ND	ND	ND	3.9	ND	3.6	1.6	2.9	ND	12.0	ND	ND	ND
648.0	Malibu	RBM	01/06/93	ND	NA	ND	8.4	ND	8.1	5.6	6.1	2.1	30.3	ND	ND	NA
648.1	Malibu Lagoon/Channel A	SED	12/22/91	ND	NA	ND	0.6	ND	0.5	ND	0.7	ND	1.8	ND	ND	NA
648.1	Malibu Lagoon/Channel A	SED	09/10/92	ND	NA	ND	0.6	ND	0.5	0.6	0.6	ND	2.3	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
618.0	9.1	20.0	61.0	590.0	5.9	25.0	ND	50.0	761.0	ND	NA	3.8	ND	ND	ND	ND	ND	ND	ND
619.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
619.2	7.7	18.0	67.0	600.0	ND	8.0	ND	63.0	763.7	ND	NA	5.8	ND	ND	ND	ND	ND	ND	ND
620.0	11.0	38.0	47.0	330.0	ND	5.5	ND	36.0	467.5	ND	ND	2.4	ND	NA	NA	ND	ND	ND	ND
621.0	31.0	73.0	39.0	550.0	ND	6.7	40.0	55.0	794.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
622.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
648.0	ND	16.0	15.0	110.0	ND	4.5	ND	ND	145.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.3
648.0	4.0	6.9	18.0	140.0	ND	4.7	ND	25.0	198.6	ND	NA	3.3	ND	ND	ND	ND	ND	ND	ND
648.1	ND	ND	ND	3.5	ND	ND	ND	ND	3.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.1	ND	1.0	ND	2.4	ND	ND	ND	ND	3.4	ND	NA	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
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	93.0	300.0	ND	ND	390.0	NA	160.0	NA
619.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400.0
619.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	ND	NA
620.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	430.0	ND	ND	430.0	ND	ND	NA
621.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	880.0	ND	ND	880.0	ND	ND	NA
622.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5500.0
648.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	70.0	ND	ND	70.0	ND	ND	NA
648.0	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	120.0	ND	ND	120.0	NA	ND	NA
648.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	-8.4	NA	ND	NA
648.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA

O-48

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
648.3	Malibu Lagoon/Channel C	SED	12/22/91	ND	NA	ND	1.1	ND	2.3	ND	1.6	ND	5.0	ND	ND	NA
648.3	Malibu Lagoon/Channel C	SED	09/10/92	ND	NA	0.5	1.9	ND	3.2	1.0	2.1	ND	8.7	ND	ND	NA
648.5	Malibu Lagoon/PCH	SED	12/22/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
648.5	Malibu Lagoon/PCH	SED	09/10/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
650.0	Santa Monica	RBM	12/26/90	ND	ND	ND	11.0	ND	13.0	3.8	8.4	ND	36.2	ND	ND	ND
650.0	Santa Monica	RCM	01/06/93	ND	NA	1.2	35.0	ND	25.0	23.0	25.0	7.2	116.4	54.0	ND	NA
662.0	Royal Palms	RCM	12/28/87	ND	ND	ND	4.0	ND	3.9	ND	ND	ND	7.9	ND	ND	ND
662.0	Royal Palms	RCM	12/19/88	ND	ND	ND	8.2	ND	4.7	ND	2.6	ND	15.5	ND	ND	ND
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	3.6	ND	2.4	ND	1.2	ND	7.1	ND	ND	ND
662.0	Royal Palms	RCM	12/26/90	ND	ND	ND	6.3	ND	4.5	1.6	3.2	ND	15.6	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
648.3	ND	0.6	ND	2.7	ND	ND	ND	ND	3.3	ND	NA	7.1	ND	ND	ND	ND	ND	ND	ND
648.3	ND	0.5	ND	2.3	ND	ND	ND	ND	2.8	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.5	ND	0.5	ND	ND	ND	ND	ND	ND	0.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
650.0	ND	17.0	15.0	93.0	ND	ND	ND	11.0	136.0	ND	NA	6.0	1.3	NA	NA	1.3	ND	ND	2.0
650.0	15.0	47.0	ND	440.0	5.9	35.0	ND	74.0	616.9	ND	NA	43.0	ND	ND	ND	ND	ND	ND	ND
662.0	ND	13.0	29.0	240.0	ND	ND	ND	46.0	332.2	ND	ND	2.4	ND	ND	ND	ND	ND	ND	1.1
662.0	9.2	47.0	73.0	880.0	ND	ND	28.0	58.0	1095.2	ND	ND	2.5	ND	NA	NA	NA	ND	ND	1.9
662.0	7.1	32.7	49.4	422.6	ND	4.8	57.1	45.2	619.0	ND	ND	6.0	ND	NA	NA	NA	ND	ND	1.8
662.0	11.0	44.0	60.0	820.0	ND	4.6	ND	65.0	1004.6	ND	ND	3.0	ND	NA	NA	NA	ND	ND	2.3

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
648.3	ND	ND	ND	ND	0.6	ND	ND	NA	NA	ND	NA	ND	110.0	5.9	ND	115.9	NA	ND	NA
648.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
648.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
648.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
650.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	65.0	ND	ND	65.0	ND	ND	NA
650.0	ND	ND	ND	1.4	ND	ND	ND	NA	NA	7.4	NA	220.0	1300.0	ND	ND	1500.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	64.0	ND	NA	64.0	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	140.0	ND	NA	140.0	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	119.0	ND	NA	119.0	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	150.0	ND	ND	150.0	ND	ND	NA

O-49

* 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 O (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
662.0	Royal Palms	RCM	11/25/91	ND	NA	ND	2.9	ND	4.0	ND	2.7	ND	9.6	ND	ND	NA
662.0	Royal Palms	RCM	01/05/93	ND	NA	ND	9.1	ND	6.3	2.5	3.5	3.0	24.4	ND	ND	NA
664.0	Cabrillo Beach	RCM	12/22/91	ND	NA	ND	3.2	ND	2.6	1.6	4.7	ND	12.1	ND	ND	NA
664.2	Cabrillo Beach Buoy	RCM	01/05/93	ND	NA	ND	9.8	ND	13.0	6.1	10.0	1.7	40.6	ND	ND	NA
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	ND	NA	ND	2.0	ND	1.7	ND	1.3	1.1	6.1	ND	ND	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	ND	4.2	30.0	ND	40.0	17.0	30.0	ND	121.2	11.0	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	ND	ND	2.6	38.0	ND	18.0	ND	28.0	ND	86.6	4.1	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	1.9	24.7	ND	23.5	11.7	17.3	3.1	82.1	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	ND	ND	ND	19.0	ND	18.0	11.0	13.0	ND	61.0	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	ND	NA	0.9	14.0	ND	8.9	7.1	16.0	1.4	48.3	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
662.0	11.0	31.0	110.0	910.0	ND	12.0	23.0	110.0	1207.0	ND	NA	1.9	ND	ND	ND	ND	ND	ND	1.2
662.0	8.5	19.0	55.0	590.0	ND	6.1	12.0	58.0	748.6	ND	NA	8.3	ND	ND	ND	ND	ND	ND	ND
664.0	10.0	28.0	100.0	710.0	ND	13.0	ND	66.0	927.0	ND	NA	1.0	ND	ND	ND	ND	ND	ND	ND
664.2	16.0	36.0	92.0	710.0	11.0	44.0	ND	80.0	989.0	ND	NA	2.9	ND	ND	ND	ND	ND	ND	ND
682.0	ND	ND	3.4	41.0	ND	5.9	ND	4.6	54.9	ND	NA	1.7	ND	ND	ND	ND	ND	ND	ND
707.0	ND	25.0	41.0	360.0	ND	31.0	55.0	63.0	575.0	NA	NA	3.2	25.0	NA	NA	25.0	ND	NA	2.7
707.0	ND	110.0	44.0	600.0	ND	14.0	29.0	48.0	845.0	ND	ND	13.0	ND	ND	ND	ND	ND	ND	2.2
707.0	10.5	30.2	32.1	240.7	ND	ND	ND	41.4	354.9	ND	ND	10.5	ND	NA	NA	ND	ND	ND	ND
707.0	12.0	45.0	18.0	310.0	ND	4.7	ND	37.0	426.7	ND	ND	11.0	ND	ND	ND	ND	ND	ND	1.8
707.0	7.1	18.0	45.0	440.0	ND	5.2	ND	38.0	553.3	ND	NA	9.6	ND	ND	ND	ND	ND	ND	1.2

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
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	180.0	ND	ND	180.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	ND	ND	190.0	NA	190.0	NA
664.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	51.0	350.0	ND	ND	401.0	NA	ND	NA
664.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	91.0	410.0	ND	ND	500.0	NA	250.0	NA
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	220.0	ND	NA	220.0	NA	ND	660.4
707.0	ND	ND	1.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	820.0
707.0	ND	ND	1.2	ND	ND	ND	ND	ND	ND	NA	NA	74.1	191.4	ND	NA	265.4	ND	ND	323.3
707.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	NA	ND	190.0	ND	ND	190.0	ND	ND	470.0
707.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	5.0	NA	ND	280.0	ND	ND	280.0	NA	ND	NA

O-50

* 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 O (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
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	ND	ND	1.3	23.0	ND	20.0	9.0	21.0	2.2	76.5	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	2.1	20.9	ND	19.3	12.8	12.3	1.6	69.0	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	ND	ND	ND	10.0	ND	9.3	5.7	6.5	ND	31.5	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	ND	NA	1.4	14.0	ND	12.0	7.8	14.0	1.1	50.3	ND	ND	NA
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	ND	ND	ND	15.0	ND	9.0	10.0	13.0	1.0	48.0	ND	ND	ND
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	ND	NA	1.1	16.0	ND	8.2	11.0	12.0	ND	48.3	ND	4.9	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	3.6	ND	2.4	40.0	ND	56.0	24.0	48.0	ND	170.4	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	ND	ND	4.7	56.0	2.0	33.0	14.0	41.0	4.2	154.9	6.6	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	4.2	44.6	1.2	37.5	22.0	22.0	1.2	132.7	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	ND	ND	3.9	65.0	2.3	57.0	26.0	54.0	4.4	212.6	7.2	3.3	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
708.0	8.3	20.0	27.0	200.0	17.0	8.3	ND	23.0	303.6	ND	ND	11.0	18.0	ND	56.0	74.0	ND	ND	2.0
708.0	15.0	44.4	30.5	390.4	ND	7.0	ND	35.8	523.0	ND	ND	8.6	1.1	NA	NA	1.1	ND	ND	1.1
708.0	7.2	26.0	20.0	130.0	ND	ND	ND	18.0	201.2	ND	ND	4.3	ND	ND	ND	ND	ND	ND	1.1
708.0	7.0	31.0	41.0	410.0	ND	8.0	ND	39.0	536.0	ND	NA	9.2	ND	ND	ND	ND	ND	ND	1.2
708.5	17.0	23.0	20.0	210.0	ND	5.8	ND	31.0	306.8	ND	ND	140.0	ND	ND	ND	ND	ND	ND	2.0
708.5	8.4	18.0	39.0	420.0	ND	10.0	ND	27.0	522.4	ND	NA	5.8	ND	ND	ND	ND	ND	ND	1.6
710.2	22.0	88.0	42.0	540.0	ND	30.0	24.0	36.0	782.0	ND	ND	20.0	40.0	ND	ND	40.0	ND	ND	4.6
710.2	14.0	78.0	53.0	630.0	ND	14.0	24.0	32.0	845.0	ND	ND	19.0	15.0	ND	ND	15.0	ND	ND	1.5
710.2	19.6	50.0	34.5	392.9	ND	18.5	119.0	53.6	688.1	ND	ND	11.3	ND	NA	NA	ND	ND	ND	ND
713.0	18.0	46.0	22.0	220.0	13.0	41.0	20.0	9.3	389.3	ND	ND	27.0	96.0	68.0	160.0	324.0	ND	ND	2.3

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
708.0	ND	ND	2.7	ND	ND	ND	ND	ND	ND	NA	NA	96.3	190.0	ND	NA	190.0	ND	ND	845.0
708.0	ND	ND	1.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	283.4	ND	NA	379.7	ND	ND	307.0
708.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	NA	ND	69.0	ND	ND	69.0	ND	ND	430.0
708.0	ND	ND	1.2	ND	ND	ND	ND	NA	NA	4.3	NA	ND	260.0	ND	ND	260.0	NA	ND	NA
708.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	110.0	ND	ND	110.0	ND	ND	NA
708.5	ND	ND	1.5	ND	ND	ND	ND	NA	NA	ND	NA	ND	260.0	ND	ND	260.0	NA	ND	NA
710.2	ND	ND	10.0	1.5	ND	ND	ND	ND	ND	NA	NA	ND	380.0	ND	NA	380.0	ND	ND	NA
710.2	ND	ND	4.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	420.0	ND	NA	420.0	ND	ND	NA
710.2	ND	ND	ND	ND	ND	1.8	ND	ND	ND	NA	NA	131.0	351.2	ND	NA	482.1	ND	ND	NA
713.0	ND	ND	4.6	ND	2.0	ND	ND	ND	ND	NA	NA	ND	530.0	ND	NA	530.0	ND	ND	NA

O-51

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	3.7	50.0	ND	43.3	14.9	44.8	2.2	159.0	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	ND	ND	ND	21.0	ND	19.0	11.0	11.0	ND	62.0	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	ND	NA	2.5	31.0	ND	17.0	16.0	30.0	1.8	98.3	ND	4.0	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	ND	3.2	72.0	1.8	63.0	29.0	60.0	4.4	233.4	4.5	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	ND	ND	11.0	140.0	4.7	85.0	38.0	100.0	9.0	387.7	12.0	9.1	39.0
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	6.5	76.4	1.6	72.4	34.1	52.8	3.3	247.2	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	ND	ND	ND	36.0	ND	31.0	20.0	24.0	1.3	112.3	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	ND	NA	ND	35.0	ND	34.0	29.0	44.0	1.6	143.6	ND	ND	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	ND	NA	3.0	40.0	1.6	40.0	23.0	39.0	ND	146.6	23.0	5.1	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	ND	2.2	88.0	ND	95.0	48.0	58.0	ND	291.2	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
713.0	27.6	97.0	44.0	365.7	ND	ND	ND	49.3	583.6	ND	ND	16.4	ND	ND	ND	ND	ND	ND	ND
713.0	6.8	32.0	8.1	120.0	ND	9.3	ND	9.6	185.8	ND	ND	15.0	1.0	ND	ND	1.0	ND	ND	ND
713.0	15.0	46.0	30.0	430.0	ND	14.0	ND	23.0	558.0	ND	NA	15.0	ND	ND	ND	ND	ND	ND	1.1
715.0	13.0	33.0	15.0	250.0	5.0	27.0	ND	11.0	354.0	ND	ND	29.0	21.0	ND	93.0	114.0	ND	ND	ND
715.0	29.0	160.0	51.0	760.0	ND	7.8	31.0	26.0	1064.8	ND	ND	51.0	11.0	ND	ND	11.0	ND	ND	ND
715.0	15.4	68.3	56.9	357.7	ND	4.1	55.3	48.8	606.5	ND	ND	28.5	1.6	ND	ND	1.6	ND	ND	ND
715.0	9.8	35.0	11.0	150.0	ND	ND	ND	7.7	213.5	ND	ND	20.0	ND	ND	ND	ND	ND	ND	ND
715.0	10.0	23.0	20.0	450.0	ND	ND	ND	20.0	523.0	ND	NA	20.0	ND	ND	ND	ND	ND	ND	ND
715.0	7.7	27.0	10.0	350.0	11.0	47.0	ND	36.0	488.7	ND	NA	22.0	ND	ND	ND	ND	ND	ND	ND
717.0	ND	33.0	13.0	150.0	ND	15.0	ND	29.0	240.0	NA	NA	38.0	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
713.0	ND	ND	ND	ND	ND	1.5	ND	ND	ND	NA	NA	ND	425.4	ND	NA	425.4	ND	ND	NA
713.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	NA	ND	96.0	ND	ND	96.0	ND	ND	840.0
713.0	ND	ND	0.8	ND	ND	ND	ND	NA	NA	17.0	NA	62.0	360.0	ND	ND	422.0	NA	ND	NA
715.0	ND	ND	3.4	ND	1.4	ND	ND	ND	ND	NA	NA	ND	700.0	ND	NA	700.0	ND	ND	NA
715.0	ND	ND	5.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	660.0	ND	NA	660.0	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	97.6	382.1	ND	NA	479.7	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	NA	ND	97.0	ND	ND	97.0	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	11.0	NA	ND	440.0	ND	ND	440.0	NA	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	10.0	NA	65.0	300.0	76.0	ND	440.0	NA	230.0	NA
717.0	NA	NA	NA	ND	4.8	ND	NA	NA	NA	NA	NA	ND	580.0	ND	NA	580.0	NA	ND	NA

O-52

* 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 O (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
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	ND	ND	9.0	9.7	5.7	58.0	23.0	69.0	7.1	172.5	35.0	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	ND	NA	ND	25.0	ND	27.0	22.0	45.0	5.2	124.2	ND	ND	NA
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	ND	NA	2.9	57.0	3.9	33.0	18.0	18.0	3.3	136.1	160.0	320.0	NA
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	ND	NA	3.5	18.0	3.0	19.0	5.2	10.0	4.0	62.7	79.0	190.0	NA
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	ND	ND	ND	7.2	ND	2.7	3.5	4.2	ND	17.6	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	ND	ND	26.0	ND	28.0	8.0	19.0	2.1	83.1	ND	5.6	ND
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	ND	ND	22.0	ND	17.0	7.1	21.0	2.0	69.1	5.4	37.0	ND
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	18.4	ND	17.1	9.5	13.3	1.9	60.1	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/90	ND	ND	ND	6.5	ND	6.1	3.0	3.9	ND	19.5	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/21/87	ND	ND	2.0	46.0	ND	45.0	ND	41.0	4.6	138.6	ND	11.0	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	Ethin	alpha-HCH
717.0	5.8	160.0	26.0	370.0	ND	7.7	34.0	26.0	629.5	ND	ND	40.0	1.6	ND	ND	1.6	ND	ND	ND
717.0	26.0	120.0	62.0	750.0	ND	ND	34.0	53.0	1045.0	ND	NA	35.0	ND	ND	ND	ND	ND	ND	ND
719.1	27.0	61.0	13.0	390.0	42.0	290.0	ND	ND	823.0	ND	NA	62.0	15.0	33.0	40.0	88.0	ND	ND	4.0
719.1	15.0	50.0	9.6	320.0	9.8	35.0	ND	27.0	466.4	ND	NA	34.0	5.9	4.6	28.0	38.5	ND	ND	ND
720.5	5.1	11.0	13.0	110.0	ND	ND	ND	11.0	150.1	ND	ND	3.1	ND	ND	ND	ND	ND	ND	3.3
721.0	9.7	44.0	7.5	250.0	4.7	20.0	ND	22.0	357.9	ND	ND	10.0	59.0	30.0	370.0	459.0	ND	ND	1.9
721.0	16.0	68.0	22.0	380.0	ND	5.0	ND	28.0	519.0	ND	ND	14.0	12.0	ND	ND	12.0	ND	ND	2.1
721.0	8.9	41.1	12.7	215.2	ND	5.1	ND	22.2	305.1	ND	ND	8.9	ND	NA	NA	ND	ND	ND	1.9
721.0	ND	19.0	7.6	100.0	ND	ND	ND	7.9	134.5	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND
723.0	24.0	140.0	23.0	630.0	ND	21.0	24.0	34.0	896.0	ND	ND	17.0	44.0	32.0	130.0	206.0	ND	ND	2.2

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
717.0	ND	ND	6.6	ND	ND	1.4	ND	ND	ND	NA	NA	ND	410.0	ND	NA	410.0	ND	ND	NA
717.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	11.0	NA	630.0	2900.0	ND	ND	3530.0	NA	ND	NA
719.1	ND	ND	11.0	ND	3.6	1.1	ND	NA	NA	450.0	NA	270.0	270.0	160.0	ND	700.0	NA	ND	NA
719.1	ND	ND	12.0	1.5	4.3	1.5	ND	NA	NA	79.0	NA	200.0	120.0	ND	ND	320.0	NA	ND	NA
720.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	NA	ND	110.0	ND	ND	110.0	ND	ND	NA
721.0	ND	ND	1.5	ND	ND	ND	ND	ND	ND	NA	NA	ND	320.0	ND	NA	320.0	ND	ND	NA
721.0	ND	ND	5.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	190.0	ND	NA	190.0	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.0	NA	ND	164.6	ND	NA	164.6	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	NA	ND	44.0	ND	ND	44.0	ND	ND	NA
723.0	ND	ND	3.6	ND	1.1	ND	ND	ND	ND	NA	NA	ND	530.0	ND	NA	530.0	ND	ND	NA

O-53

* 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 O (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
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	3.3	35.9	ND	30.7	13.1	23.5	2.6	109.2	ND	9.8	ND
723.0	Newport Bay/Bay Island	TCM	12/21/90	ND	ND	ND	15.0	ND	13.0	7.0	9.5	1.0	45.5	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/22/91	ND	NA	1.0	27.0	ND	25.0	15.0	32.0	2.9	102.9	ND	ND	NA
723.4	Newport Bay/Turning Basin	TCM	12/21/87	1.0	ND	3.0	67.0	1.6	65.0	25.0	65.0	9.0	235.6	9.5	20.0	ND
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	ND	ND	38.0	ND	28.0	17.0	28.0	ND	111.0	ND	41.0	ND
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	2.5	44.5	1.7	37.8	18.5	25.2	2.5	132.8	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/21/90	ND	ND	1.0	47.0	ND	25.0	18.0	34.0	2.9	127.9	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/22/91	ND	NA	1.5	26.0	ND	24.0	17.0	33.0	ND	101.5	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	ND	6.4	78.0	7.7	100.0	54.0	78.0	4.4	328.5	20.0	12.0	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	ND	ND	4.8	66.0	ND	45.0	21.0	52.0	6.2	195.0	15.0	77.0	50.0

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	Ethin	alpha-HCH
723.0	19.0	124.2	43.8	535.9	ND	5.2	91.5	56.2	875.8	ND	ND	20.9	3.3	ND	ND	3.3	ND	ND	2.0
723.0	7.0	43.0	9.0	150.0	ND	ND	ND	9.5	218.5	ND	ND	7.6	ND	ND	ND	ND	ND	ND	ND
723.0	14.0	120.0	24.0	770.0	ND	12.0	ND	42.0	982.0	ND	NA	16.0	ND	ND	ND	ND	ND	ND	ND
723.4	30.0	130.0	34.0	390.0	5.5	23.0	35.0	23.0	670.5	ND	ND	31.0	82.0	47.0	180.0	309.0	ND	ND	1.1
723.4	13.0	105.0	15.0	230.0	ND	4.8	ND	25.0	392.8	ND	ND	27.0	18.0	ND	ND	18.0	ND	ND	ND
723.4	15.1	84.0	13.4	411.8	ND	ND	ND	21.8	546.2	ND	ND	12.6	1.7	NA	NA	1.7	ND	ND	ND
723.4	8.3	77.0	ND	290.0	ND	ND	ND	22.0	397.3	ND	ND	23.0	ND	ND	ND	ND	ND	ND	ND
723.4	15.0	67.0	18.0	450.0	ND	ND	ND	22.0	572.0	ND	NA	18.0	ND	ND	ND	ND	ND	ND	ND
724.0	74.0	190.0	56.0	740.0	ND	76.0	160.0	110.0	1406.0	NA	NA	64.0	260.0	NA	NA	260.0	ND	NA	ND
724.0	31.0	220.0	31.0	1100.0	ND	5.6	31.0	62.0	1480.6	ND	ND	41.0	20.0	ND	ND	20.0	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
723.0	ND	ND	3.9	ND	ND	ND	ND	ND	ND	78.0	NA	117.6	307.2	ND	NA	424.8	ND	ND	1656.8
723.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	NA	ND	71.0	ND	ND	71.0	ND	ND	1800.0
723.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	19.0	NA	53.0	410.0	ND	ND	463.0	NA	ND	NA
723.4	ND	ND	3.9	ND	1.9	ND	ND	ND	ND	NA	NA	ND	610.0	ND	NA	610.0	ND	ND	NA
723.4	ND	ND	6.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	250.0	ND	NA	250.0	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.0	NA	92.4	395.0	ND	NA	487.4	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.0	NA	ND	400.0	ND	ND	400.0	ND	ND	5300.0
723.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	11.0	NA	77.0	500.0	ND	ND	577.0	NA	ND	NA
724.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	400.0	ND	NA	400.0	NA	ND	NA
724.0	ND	ND	7.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	NA

O-54

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	1.4	39.3	ND	35.2	19.3	30.3	2.8	128.3	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	ND	ND	ND	30.0	ND	120.0	14.0	20.0	1.7	185.7	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	ND	NA	1.7	22.0	ND	30.0	19.0	44.0	3.0	119.7	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	ND	NA	1.8	52.0	ND	46.0	21.0	39.0	7.4	167.2	130.0	8.8	NA
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	2.3	45.3	ND	32.0	23.4	37.5	5.5	146.1	ND	3.9	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/90	ND	ND	1.4	31.0	ND	15.0	11.0	29.0	1.8	89.2	ND	2.5	ND
725.0	Newport Bay/Crows Nest	TCM	12/22/91	ND	NA	ND	23.0	ND	29.0	23.0	51.0	5.4	131.4	6.7	ND	NA
725.0	Newport Bay/Crows Nest	TCM	01/05/93	ND	NA	1.3	32.0	ND	22.0	15.0	24.0	8.2	102.5	14.0	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	Ethin	alpha-HCH
724.0	26.2	131.0	21.4	965.5	ND	ND	29.0	40.7	1213.8	ND	ND	22.1	2.1	NA	NA	2.1	ND	ND	ND
724.0	16.0	61.0	18.0	360.0	ND	ND	ND	23.0	478.0	ND	ND	18.0	ND	ND	ND	ND	ND	ND	ND
724.0	24.0	140.0	29.0	990.0	ND	ND	ND	50.0	1233.0	ND	NA	18.0	ND	ND	ND	ND	ND	ND	ND
724.0	19.0	70.0	14.0	870.0	19.0	120.0	ND	42.0	1154.0	ND	NA	38.0	ND	ND	14.0	14.0	ND	ND	ND
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	21.9	117.2	42.2	398.4	ND	15.6	ND	53.1	648.4	ND	ND	30.5	1.6	NA	NA	1.6	ND	ND	1.6
725.0	15.0	46.0	ND	290.0	ND	ND	ND	25.0	376.0	ND	ND	24.0	ND	ND	ND	ND	ND	ND	ND
725.0	27.0	130.0	68.0	820.0	ND	ND	36.0	60.0	1141.0	ND	NA	39.0	ND	ND	ND	ND	ND	ND	ND
725.0	11.0	53.0	7.5	400.0	4.4	16.0	ND	25.0	516.9	ND	NA	40.0	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
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	83.0	NA	ND	331.0	ND	NA	331.0	ND	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.8	NA	ND	170.0	ND	ND	170.0	ND	ND	3300.0
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	18.0	NA	50.0	480.0	ND	ND	530.0	NA	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	25.0	NA	ND	310.0	29.0	ND	340.0	NA	600.0	1800.0
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3000.0	ND	NA	3000.0	NA	NA	13656.8
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.0	2600.0	ND	NA	2770.0	NA	NA	7500.0
725.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.0	NA	1015.6	2187.5	ND	NA	3203.1	ND	ND	4996.3
725.0	ND	ND	ND	ND	1.1	ND	ND	ND	ND	11.0	NA	270.0	1500.0	ND	ND	1770.0	ND	ND	9100.0
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	19.0	NA	660.0	3100.0	ND	ND	3760.0	NA	ND	NA
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	260.0	1300.0	ND	ND	1600.0	NA	ND	4100.0

O-55

* 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 O (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	Chlorobenzide	alpha-Chlorodene	cis-Chlorodane	gamma-Chlorodene	trans-Chlorodane	cis-Nonachlor	trans-Nonachlor	Oxychlorodane	Total Chlorodane	Chlorpyrifos	Dacthal	Diazinon
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	1.5	42.0	ND	31.0	13.0	38.0	3.7	129.2	11.0	73.0	33.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	ND	ND	19.0	90.0	3.4	72.0	ND	68.0	ND	252.4	29.0	63.0	45.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	ND	2.1	44.0	ND	31.0	12.0	31.0	4.0	124.1	12.0	49.0	34.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	3.4	31.6	ND	24.8	17.1	36.8	4.3	117.9	7.7	ND	ND
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	ND	ND	ND	3.0	ND	3.1	2.2	2.3	ND	10.6	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	ND	ND	ND	34.0	ND	25.0	14.0	26.0	3.4	102.4	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	ND	NA	ND	35.0	ND	30.0	25.0	54.0	4.0	148.0	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	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Total Endosulfan	Endrin	Ethion	alpha-HCH
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	14.0	114.0	20.0	520.0	ND	ND	ND	31.0	699.0	ND	ND	31.0	24.0	ND	ND	24.0	ND	ND	ND
726.4	63.0	400.0	44.0	860.0	ND	59.0	110.0	66.0	1602.0	ND	ND	36.0	170.0	ND	ND	170.0	ND	31.0	2.5
726.4	25.0	98.0	13.0	560.0	ND	19.0	21.0	15.0	751.0	ND	ND	41.0	7.5	ND	210.0	217.5	ND	42.0	ND
726.4	16.2	70.9	80.3	435.9	ND	ND	37.6	47.0	688.0	ND	ND	25.6	1.7	ND	ND	1.7	ND	ND	ND
726.4	ND	3.2	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.4	ND	9.5	3.4	44.0	ND	5.0	ND	ND	61.9	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND
726.4	ND	48.0	43.0	230.0	ND	ND	ND	ND	321.0	ND	ND	16.0	ND	ND	ND	ND	ND	ND	ND
726.4	28.0	130.0	85.0	770.0	ND	ND	39.0	16.0	1068.0	ND	NA	33.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Ethylparathion	Methylparathion	Oxadiazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxaphene	Tributyltin
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	800.0	ND	NA	800.0	NA	NA	6083.2
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2400.0	ND	NA	2400.0	NA	NA	9900.0
726.2	ND	ND	5.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	200.0	ND	NA	200.0	ND	ND	NA
726.4	ND	ND	12.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	NA
726.4	ND	ND	5.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	95.0	ND	NA	95.0	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.0	NA	769.2	3418.8	ND	NA	4188.0	ND	ND	6493.7
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	40.0	45.0	ND	85.0	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	NA	ND	340.0	170.0	180.0	510.0	ND	ND	ND
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	NA	ND	1300.0	ND	ND	1300.0	ND	ND	5000.0
726.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	24.0	NA	690.0	3300.0	ND	ND	3990.0	NA	ND	NA

O-56

* 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 O (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
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	ND	NA	ND	30.0	ND	36.0	11.0	29.0	3.0	109.0	9.1	ND	NA
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	ND	ND	5.8	35.0	11.0	31.0	18.0	34.0	1.0	135.8	70.0	2.8	230.0
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	ND	NA	4.1	33.0	4.1	23.0	16.0	31.0	5.3	116.5	220.0	33.0	NA
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	ND	ND	7.8	48.0	ND	6.6	ND	56.0	ND	118.4	10.0	100.0	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	6.7	63.9	9.2	48.7	23.5	26.1	1.7	179.8	168.1	243.7	ND
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	ND	ND	5.6	65.0	8.7	47.0	21.0	57.0	2.5	206.8	100.0	43.0	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	ND	NA	2.7	29.0	5.7	21.0	12.0	23.0	4.0	97.4	370.0	73.0	NA
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	7.6	68.7	9.9	59.5	25.2	25.2	1.5	197.7	190.8	229.0	ND
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	ND	24.0	160.0	ND	120.0	ND	170.0	9.4	483.4	ND	68.0	ND
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	ND	ND	4.3	54.0	7.1	38.0	26.0	38.0	ND	167.4	380.0	100.0	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	Ethin	alpha-HCH
726.4	7.4	11.0	20.0	270.0	ND	20.0	ND	45.0	373.4	ND	NA	14.0	ND	ND	ND	ND	ND	ND	2.0
727.0	17.0	30.0	ND	110.0	17.0	86.0	ND	28.0	288.0	ND	ND	54.0	ND	ND	ND	ND	ND	ND	ND
727.0	30.0	76.0	19.0	400.0	7.6	28.0	ND	39.0	599.6	ND	NA	28.0	ND	ND	17.0	17.0	ND	ND	ND
728.4	27.0	240.0	12.0	1400.0	120.0	350.0	ND	27.0	2176.0	ND	ND	36.0	44.0	730.0	1800.0	2574.0	ND	ND	ND
728.4	63.0	151.3	24.4	655.5	23.5	243.7	ND	23.5	1184.9	ND	ND	20.2	75.6	68.9	184.9	329.4	ND	ND	ND
728.4	44.0	200.0	18.0	570.0	65.0	240.0	ND	39.0	1176.0	ND	530.0	22.0	ND	ND	89.0	89.0	ND	ND	ND
728.4	21.0	56.0	11.0	360.0	24.0	140.0	ND	42.0	654.0	ND	NA	25.0	ND	ND	27.0	27.0	ND	ND	ND
728.5	67.9	244.3	15.3	595.4	ND	ND	ND	13.7	936.6	ND	ND	10.7	71.0	67.9	206.1	345.0	ND	ND	ND
728.6	140.0	630.0	120.0	2500.0	270.0	970.0	ND	45.0	4675.0	270.0	3100.0	41.0	1400.0	ND	ND	1400.0	ND	ND	3.8
728.7	41.0	160.0	18.0	360.0	47.0	200.0	ND	12.0	838.0	57.0	3800.0	14.0	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
726.4	ND	ND	2.3	ND	ND	ND	ND	NA	NA	ND	NA	280.0	34.0	ND	310.0	NA	ND	4400.0	
727.0	ND	ND	ND	ND	1.3	2.8	ND	ND	NA	290.0	NA	50.0	250.0	ND	300.0	NA	ND	NA	
727.0	ND	ND	ND	ND	ND	2.2	ND	NA	NA	130.0	NA	89.0	290.0	ND	380.0	NA	ND	NA	
728.4	ND	ND	ND	ND	ND	2.0	ND	ND	NA	ND	NA	270.0	ND	NA	270.0	NA	ND	NA	
728.4	ND	ND	4.2	ND	ND	3.4	ND	ND	ND	2200.0	NA	ND	361.3	ND	361.3	NA	1008.4	NA	
728.4	ND	ND	ND	ND	4.0	1.8	ND	ND	ND	800.0	NA	ND	300.0	ND	300.0	NA	ND	NA	
728.4	ND	ND	ND	ND	3.0	2.0	ND	NA	NA	540.0	NA	65.0	140.0	28.0	230.0	NA	910.0	NA	
728.5	ND	ND	3.8	ND	2.3	2.3	ND	ND	ND	2400.0	NA	ND	259.5	ND	259.5	NA	763.4	NA	
728.6	ND	ND	8.8	5.9	8.3	11.0	ND	ND	NA	ND	ND	150.0	ND	NA	150.0	10.0	3100.0	NA	
728.7	ND	ND	ND	ND	ND	5.9	ND	ND	ND	340.0	NA	ND	130.0	ND	130.0	NA	ND	NA	

O-57

* 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 O (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
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	ND	NA	2.5	28.0	6.5	19.0	12.0	21.0	5.0	94.0	460.0	49.0	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	ND	15.0	160.0	29.0	220.0	110.0	160.0	5.8	699.8	390.0	130.0	ND
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	2.9	21.0	4.8	21.0	24.8	21.0	ND	95.2	19.0	ND	ND
728.9	Upper Newport Bay/Drain 5	SED	01/23/91	ND	ND	ND	3.8	ND	7.9	1.5	4.7	ND	17.9	ND	ND	ND
735.0	Corona Del Mar	RCM	12/26/90	ND	ND	ND	5.5	ND	5.7	2.2	3.6	ND	17.0	ND	ND	ND
735.0	Corona Del Mar	RCM	11/29/91	ND	NA	ND	2.1	ND	ND	ND	4.3	ND	6.4	6.2	ND	NA
740.0	Dana Point Harbor/Boat Yard	SED	09/27/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	ND	NA	ND	5.9	ND	4.1	3.0	5.3	ND	18.3	ND	ND	NA
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	3.5	ND	2.3	ND	1.8	ND	7.6	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
728.7	12.0	46.0	12.0	410.0	48.0	200.0	ND	40.0	768.0	ND	NA	31.0	ND	ND	19.0	19.0	ND	ND	ND
728.8	40.0	96.0	16.0	920.0	420.0	1200.0	ND	ND	2692.0	NA	NA	32.0	ND	NA	NA	ND	ND	NA	ND
728.9	ND	ND	ND	228.6	16.2	133.3	ND	ND	378.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.9	ND	3.8	ND	6.8	ND	3.1	ND	ND	13.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
735.0	ND	18.0	ND	76.0	ND	ND	ND	5.8	99.8	ND	ND	5.3	ND	NA	NA	ND	ND	ND	3.0
735.0	ND	ND	6.6	100.0	ND	ND	ND	11.0	117.6	ND	NA	3.4	ND	ND	ND	ND	ND	ND	1.8
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
740.0	ND	4.5	4.6	61.0	ND	ND	ND	ND	70.1	ND	NA	1.6	ND	ND	ND	ND	ND	ND	ND
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
744.1	ND	ND	3.8	57.0	ND	ND	ND	ND	60.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2

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
728.7	ND	ND	ND	ND	3.5	1.7	ND	NA	NA	210.0	NA	46.0	130.0	ND	ND	180.0	NA	1100.0	NA
728.8	NA	NA	NA	ND	ND	2.6	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	170.0	NA	ND	95.2	32.4	NA	132.4	ND	361.9	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3	NA	ND	ND	ND	ND	ND	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	190.0	ND	ND	190.0	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	83.0	ND	ND	83.0	NA	ND	NA
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	380.0
740.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	150.0	ND	ND	150.0	NA	ND	2500.0
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4300.0
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	15.0	ND	NA	15.0	ND	ND	NA

O-58

* 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 O (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
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	5.1	ND	3.3	1.5	2.0	ND	11.9	ND	ND	ND
744.1	San Onofre 1	TCM	10/24/91	ND	NA	ND	2.9	ND	0.7	ND	3.7	ND	7.3	ND	1.2	NA
744.1	San Onofre 1	TCM	03/25/92	ND	NA	ND	6.2	ND	2.6	1.8	2.9	ND	13.5	ND	ND	NA
744.2	San Onofre 2	TCM	01/30/89	ND	ND	ND	2.3	ND	2.7	ND	1.0	ND	6.0	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	3.5	ND	2.5	ND	4.0	ND	10.1	ND	ND	ND
744.2	San Onofre 2	TCM	10/01/90	ND	ND	ND	1.4	ND	1.0	ND	ND	ND	2.4	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	ND	ND	ND	5.6	ND	3.9	1.7	3.4	ND	14.6	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	ND	NA	ND	5.9	ND	2.7	1.3	5.2	ND	15.1	ND	ND	NA
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	2.7	ND	ND	ND	ND	ND	2.7	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
744.1	ND	4.0	ND	31.0	ND	ND	ND	ND	35.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1
744.1	ND	8.9	ND	91.0	ND	ND	ND	ND	99.9	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	7.9	90.0	ND	ND	5.9	103.8	ND	NA	4.3	ND	ND	ND	ND	ND	ND	ND	ND
744.1	6.0	7.6	10.0	140.0	ND	8.9	ND	12.0	184.5	ND	NA	7.5	ND	ND	ND	ND	ND	ND	1.8
744.2	5.0	7.5	ND	45.0	ND	ND	ND	ND	57.5	ND	ND	2.3	2.3	ND	ND	2.3	ND	ND	4.3
744.2	ND	3.0	4.5	55.6	ND	4.0	ND	ND	67.2	ND	ND	5.6	ND	ND	ND	ND	ND	ND	4.0
744.2	ND	4.2	ND	26.0	ND	ND	ND	ND	127.0	ND	ND	1.2	ND	ND	ND	ND	ND	ND	5.0
744.2	ND	8.5	ND	100.0	ND	ND	7.0	115.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
744.2	ND	13.0	11.0	140.0	ND	7.3	ND	ND	171.3	ND	NA	6.9	ND	ND	ND	ND	ND	ND	2.3
744.3	ND	ND	ND	38.8	ND	ND	ND	ND	38.8	ND	ND	1.6	ND	ND	ND	ND	ND	ND	2.7

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	Toxa-phene	Tri-butyl-tin
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	21.0	ND	ND	21.0	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	48.0	ND	ND	48.0	NA	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	47.0	ND	ND	47.0	NA	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	10.0	ND	NA	10.0	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	39.4	ND	NA	39.4	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	230.0	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	26.0	ND	ND	26.0	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	36.0	ND	ND	36.0	NA	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	19.7	ND	NA	19.7	ND	ND	NA

O-59

* 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 O (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-ion
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	2.1	ND	ND	ND	1.1	ND	3.2	ND	2.6	ND
744.3	San Onofre 3	TCM	09/27/90	ND	ND	ND	1.3	ND	1.1	ND	1.8	ND	4.2	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	ND	ND	ND	5.1	ND	4.0	1.2	2.6	ND	12.9	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	NA	ND	6.0	ND	2.5	ND	5.0	ND	13.5	ND	ND	NA
744.4	San Onofre 4	TCM	01/30/89	ND	ND	ND	4.6	ND	2.6	1.4	1.8	ND	10.4	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	2.0	ND	2.0	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	2.9	ND	2.0	1.0	1.5	ND	7.4	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	ND	ND	ND	3.6	ND	2.5	ND	2.1	ND	8.2	ND	ND	ND
744.4	San Onofre 4	TCM	10/24/91	ND	NA	ND	3.5	ND	1.1	ND	1.6	ND	6.2	ND	ND	NA
744.4	San Onofre 4	TCM	03/25/92	ND	NA	ND	5.4	ND	4.2	1.0	4.8	ND	15.4	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	5.3	15.3	4.7	84.2	ND	ND	ND	ND	109.5	ND	ND	1.6	ND	ND	ND	ND	ND	ND	3.7
744.3	ND	5.7	5.7	27.0	ND	ND	ND	ND	38.4	ND	ND	ND	ND	ND	NA	ND	NA	ND	4.6
744.3	ND	8.0	ND	100.0	ND	7.2	ND	10.0	125.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.0
744.3	ND	12.0	12.0	150.0	ND	5.1	ND	6.3	185.4	ND	NA	6.1	ND	ND	ND	ND	ND	ND	1.7
744.4	ND	6.4	3.9	80.0	ND	ND	ND	ND	90.3	ND	ND	2.6	ND	ND	ND	ND	ND	ND	4.9
744.4	ND	5.5	5.5	43.0	ND	6.5	ND	ND	60.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0
744.4	ND	6.9	7.8	68.6	ND	4.4	ND	7.4	95.1	ND	ND	9.8	1.0	ND	ND	1.0	ND	ND	2.5
744.4	ND	ND	ND	69.0	ND	ND	ND	ND	69.0	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	6.2	77.0	ND	ND	ND	ND	83.2	ND	NA	3.2	ND	ND	ND	ND	ND	ND	1.0
744.4	ND	7.8	9.9	130.0	ND	12.0	ND	ND	159.7	ND	NA	6.0	ND	ND	ND	ND	ND	ND	1.5

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
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	18.9	ND	NA	18.9	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.0	ND	ND	10.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	32.0	ND	ND	32.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	35.0	ND	ND	35.0	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	20.0	ND	NA	20.0	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	35.0	ND	NA	35.0	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13.2	ND	NA	13.2	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	22.0	ND	ND	22.0	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	50.0	ND	ND	50.0	NA	ND	NA

09-0

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
744.5	San Onofre 5	TCM	01/30/89	ND	ND	ND	3.5	ND	3.0	ND	ND	ND	6.5	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	ND	ND	0.9	ND	0.9	ND	1.9	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	1.0	ND	ND	ND	1.0	ND	2.0	ND	ND	ND
744.5	San Onofre 5	TCM	10/01/90	ND	ND	ND	1.2	ND	1.2	ND	ND	ND	2.4	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	ND	ND	ND	5.3	ND	2.8	1.2	2.0	ND	11.3	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	NA	ND	5.3	ND	2.7	1.4	5.2	ND	14.6	ND	ND	NA
744.6	San Onofre 6	TCM	01/30/89	ND	ND	ND	3.5	ND	2.5	ND	2.3	ND	8.3	ND	ND	ND
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	1.8	ND	1.8	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	4.3	ND	1.1	ND	1.1	ND	6.5	ND	ND	ND
744.6	San Onofre 6	TCM	09/27/90	ND	ND	ND	1.9	ND	1.3	ND	1.6	ND	4.8	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
744.5	ND	ND	ND	65.0	ND	ND	ND	ND	65.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9
744.5	ND	3.7	4.2	55.8	3.7	6.0	ND	ND	73.5	ND	ND	4.7	ND	ND	ND	ND	ND	ND	3.3
744.5	ND	5.9	5.4	73.5	ND	ND	ND	ND	84.8	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
744.5	ND	5.9	ND	32.0	ND	ND	ND	ND	37.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9
744.5	ND	5.7	ND	80.0	ND	ND	ND	ND	85.7	ND	ND	1.3	ND	ND	ND	ND	ND	ND	1.5
744.5	ND	8.0	10.0	140.0	ND	12.0	ND	5.7	175.7	ND	NA	6.0	ND	ND	ND	ND	ND	ND	1.7
744.6	ND	5.3	4.4	41.0	ND	ND	ND	ND	50.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	4.6
744.6	ND	ND	8.2	54.8	ND	3.7	ND	ND	66.7	ND	ND	5.9	ND	ND	ND	ND	ND	ND	ND
744.6	ND	14.7	5.4	76.1	ND	ND	ND	ND	96.2	ND	ND	2.7	ND	ND	ND	ND	ND	ND	2.7
744.6	ND	4.3	5.3	26.0	ND	ND	ND	ND	35.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9

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
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	20.0	ND	NA	20.0	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	36.7	ND	NA	36.7	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13.2	ND	NA	13.2	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	10.0	ND	ND	10.0	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	16.0	ND	ND	16.0	ND	ND	NA
744.5	ND	ND	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	56.0	ND	ND	56.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	10.0	ND	NA	10.0	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	1.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	12.5	ND	NA	12.5	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	15.0	ND	ND	15.0	ND	ND	NA

O-61

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-iron
744.6	San Onofre 6	TCM	03/12/91	ND	ND	ND	4.0	ND	2.3	1.2	2.4	ND	9.9	ND	ND	ND
744.6	San Onofre 6	TCM	10/24/91	ND	NA	ND	4.6	ND	ND	ND	ND	ND	4.6	ND	ND	NA
744.6	San Onofre 6	TCM	03/25/92	ND	NA	ND	5.2	ND	1.8	1.2	3.0	ND	11.2	ND	ND	NA
748.0	Oceanside/Harbor	TCM	01/05/93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
748.0	Oceanside/Harbor	TCM	12/21/91	ND	NA	ND	6.8	ND	ND	2.7	4.5	ND	14.0	ND	ND	NA
750.0	Oceanside	RCM	12/21/87	ND	ND	ND	ND	ND	ND	2.0	3.9	ND	5.9	ND	ND	ND
750.0	Oceanside	RCM	12/20/88	ND	ND	ND	3.5	ND	4.2	ND	3.8	ND	11.5	ND	ND	ND
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	10.4	ND	7.0	1.7	2.6	ND	21.7	ND	ND	ND
750.0	Oceanside	RCM	12/22/90	ND	ND	ND	2.4	ND	3.1	1.1	2.5	ND	9.1	ND	ND	ND
750.0	Oceanside	RCM	12/21/91	ND	NA	ND	2.5	ND	ND	ND	ND	ND	2.5	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	ND	ND	89.0	ND	9.2	ND	7.0	105.2	ND	ND	1.7	ND	ND	ND	ND	ND	ND	1.7
744.6	ND	ND	5.6	74.0	ND	ND	ND	ND	79.6	ND	NA	6.1	ND	ND	ND	ND	ND	ND	ND
744.6	ND	7.7	11.0	120.0	ND	4.0	ND	ND	142.7	ND	NA	6.5	ND	ND	ND	ND	ND	ND	1.9
748.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
748.0	ND	10.0	10.0	130.0	ND	ND	ND	ND	150.0	ND	NA	4.4	ND	ND	ND	ND	ND	ND	ND
750.0	ND	3.3	ND	41.0	ND	4.8	ND	ND	51.1	ND	ND	2.0	3.1	ND	53.0	56.1	ND	ND	5.0
750.0	ND	7.1	ND	37.0	ND	ND	ND	ND	44.1	ND	ND	4.3	5.0	ND	ND	5.0	ND	ND	5.0
750.0	ND	7.8	ND	33.0	ND	9.6	ND	ND	50.4	ND	ND	4.3	1.7	NA	NA	1.7	ND	ND	3.5
750.0	ND	11.0	ND	31.0	ND	ND	ND	ND	42.0	ND	ND	ND	1.0	ND	ND	1.0	ND	ND	1.3
750.0	ND	ND	ND	34.0	ND	ND	ND	ND	34.0	ND	NA	1.7	1.4	ND	ND	1.4	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
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	22.0	ND	ND	22.0	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	19.0	ND	ND	19.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	40.0	ND	ND	40.0	NA	ND	NA
748.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1900.0
748.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	400.0	ND	ND	400.0	NA	ND	1500.0
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	50.0	ND	NA	50.0	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	64.3	ND	NA	64.3	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	54.0	ND	ND	54.0	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	19.0	ND	ND	19.0	NA	ND	NA

O-62

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inion
750.0	Oceanside	RCM	09/09/92	ND	NA	ND	3.0	ND	3.2	1.2	2.0	ND	9.4	ND	ND	NA
751.0	Oceanside/Transplant	SED	12/22/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
753.0	Inner Agua Hedionda	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
832.0	La Jolla	RCM	12/22/90	ND	ND	ND	1.7	ND	1.7	ND	1.1	ND	4.5	ND	ND	ND
832.0	La Jolla	RCM	11/26/91	ND	NA	ND	1.7	ND	2.0	ND	ND	ND	3.7	ND	ND	NA
832.0	La Jolla	RCM	01/05/93	ND	NA	ND	2.9	ND	2.4	ND	1.9	ND	7.2	ND	ND	NA
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	ND	ND	ND	2.0	ND	2.2	1.1	1.6	ND	6.9	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	12.2	ND	7.2	6.5	6.5	2.2	34.5	ND	ND	ND
866.0	Fisherman Channel	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
866.0	Fisherman Channel	TCM	12/22/90	ND	ND	ND	3.5	ND	3.2	2.4	2.3	ND	11.4	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
750.0	ND	3.0	3.3	59.0	ND	5.3	ND	ND	70.6	ND	NA	2.4	1.1	ND	ND	1.1	ND	ND	1.8
751.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
753.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
832.0	ND	ND	ND	6.9	ND	ND	ND	ND	6.9	ND	ND	1.0	ND	NA	NA	ND	ND	ND	2.4
832.0	ND	ND	ND	11.0	ND	ND	ND	ND	11.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	2.4
832.0	ND	ND	ND	18.0	ND	ND	ND	ND	18.0	ND	NA	3.2	ND	ND	ND	ND	ND	ND	ND
838.2	ND	ND	ND	16.0	ND	ND	ND	ND	16.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
865.0	ND	4.3	ND	6.5	ND	ND	ND	ND	10.8	ND	ND	10.8	ND	ND	ND	ND	ND	ND	ND
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
866.0	ND	3.6	ND	12.0	ND	ND	ND	ND	15.6	ND	ND	2.1	ND	NA	NA	ND	ND	ND	1.0

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
750.0	ND	ND	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	48.0	ND	ND	48.0	NA	ND	NA
751.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	550.0
753.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	56.9
832.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	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	35.0	ND	ND	35.0	NA	ND	NA
838.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	17.3	ND	NA	17.3	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	63.0	ND	ND	63.0	ND	ND	NA

O-63

* 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 O (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
868.5	Mission Bay/Landfill 1	SED	09/01/89	ND	ND	ND	ND	ND	0.3	ND	ND	ND	0.3	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	6.5	ND	5.0	3.6	1.4	ND	16.5	ND	ND	ND
868.5	Mission Bay/Landfill 1	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/22/90	ND	ND	ND	4.0	ND	3.5	3.1	2.9	ND	13.5	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/91	ND	NA	ND	7.5	ND	1.9	3.4	4.4	ND	17.2	ND	ND	NA
868.6	Mission Bay/Landfill 2	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.6	Mission Bay/Landfill 2	TCM	12/21/91	ND	NA	ND	6.6	ND	4.3	3.0	3.6	ND	17.5	ND	ND	NA
881.3	Sweetwater River/Mouth 1	SED	09/07/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	ND	ND	ND	7.6	ND	5.1	4.4	5.0	ND	22.1	ND	ND	ND
881.3	Sweetwater River/Mouth 1	SED	08/31/91	ND	NA	ND	1.4	ND	0.6	ND	ND	ND	2.0	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	
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	4.3	ND	18.0	ND	ND	ND	ND	22.3	ND	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	ND	ND	ND	ND	4.3	ND	ND	4.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
868.5	ND	4.7	ND	16.0	ND	ND	ND	ND	20.7	ND	ND	2.8	ND	NA	NA	ND	ND	ND	ND	ND
868.5	ND	ND	ND	59.0	ND	ND	ND	ND	59.0	ND	NA	6.0	ND	ND	ND	ND	ND	ND	ND	ND
868.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
868.6	ND	ND	6.9	40.0	ND	ND	ND	3.0	49.9	ND	NA	5.7	ND	ND	ND	ND	ND	ND	ND	ND
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
881.3	ND	17.0	ND	30.0	ND	5.4	ND	ND	52.4	ND	ND	1.0	ND	NA	NA	ND	ND	ND	ND	ND
881.3	ND	0.8	ND	3.0	ND	1.5	ND	ND	5.3	ND	NA	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
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	154.0	17.5	22.2	NA	193.7	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	93.5	ND	NA	93.5	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	85.0	ND	ND	85.0	ND	ND	NA
868.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	220.0	ND	ND	220.0	NA	ND	NA
868.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA
868.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	ND	ND	190.0	NA	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	250.0	ND	ND	250.0	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	40.0	37.0	ND	77.0	NA	ND	NA

O-64

* 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 O (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
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	ND	NA	ND	9.5	ND	3.5	4.9	6.3	ND	24.2	ND	ND	NA
881.4	Sweetwater River/Mouth 2	SED	08/31/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	ND	ND	ND	11.0	ND	12.0	3.2	8.1	ND	34.3	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	ND	ND	ND	14.0	ND	8.0	3.0	13.0	ND	38.0	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	ND	NA	ND	16.0	ND	14.0	12.0	13.0	4.8	59.8	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	16.0	ND	9.6	7.0	9.9	ND	42.5	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	17.0	ND	7.1	6.9	5.1	1.9	38.0	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
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	ND	ND	1.6	24.0	ND	14.0	7.7	26.0	ND	73.3	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
881.3	ND	ND	7.5	40.0	ND	ND	ND	ND	47.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
881.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
882.7	ND	6.5	16.0	19.0	ND	23.0	ND	ND	64.5	ND	ND	5.2	ND	NA	NA	ND	ND	ND	ND
882.7	ND	15.0	19.0	37.0	ND	5.6	ND	ND	76.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
882.7	ND	7.7	ND	23.0	ND	6.0	ND	7.4	44.1	ND	NA	10.0	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	6.8	12.0	36.0	ND	13.0	ND	ND	67.8	ND	NA	7.1	ND	ND	ND	ND	ND	ND	ND
882.8	ND	7.0	20.0	42.0	ND	11.0	ND	ND	80.0	ND	NA	6.3	ND	ND	ND	ND	ND	ND	1.1
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.1	ND	32.0	12.0	39.0	ND	7.8	ND	ND	90.8	ND	ND	4.1	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
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	290.0	ND	ND	290.0	NA	ND	NA
881.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	740.0	ND	NA	740.0	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1500.0	ND	NA	1500.0	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	740.0	ND	ND	740.0	NA	ND	NA
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	790.0	210.0	ND	1000.0	NA	ND	1100.0
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	110.0	1100.0	200.0	ND	1410.0	NA	ND	1300.0
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
883.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	820.0	ND	NA	820.0	ND	ND	NA

O-65

* 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 O (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
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	ND	NA	ND	11.0	ND	7.8	8.1	8.4	ND	35.3	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
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	ND	ND	ND	1.3	ND	1.5	ND	ND	ND	2.8	ND	ND	ND
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	ND	NA	ND	1.3	ND	1.7	ND	1.0	ND	4.0	ND	ND	NA
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	ND	NA	ND	8.7	ND	6.3	7.7	6.3	2.5	31.5	ND	ND	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	ND	ND	ND	ND	ND	8.0	5.2	12.0	ND	25.2	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	SED	09/07/90	ND	ND	ND	2.9	ND	3.8	1.5	3.5	ND	11.7	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
883.4	2.7	4.2	ND	20.0	ND	ND	ND	5.1	32.0	ND	NA	5.1	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
883.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND
883.6	ND	2.0	1.4	3.7	ND	ND	ND	ND	7.1	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
883.7	ND	3.2	ND	17.0	ND	ND	ND	ND	20.2	ND	NA	5.6	ND	ND	ND	ND	ND	ND	ND
885.2	ND	24.0	6.5	28.0	7.7	16.0	ND	ND	82.2	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	5.9	ND	12.0	ND	ND	ND	ND	17.9	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
883.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	820.0	ND	ND	820.0	NA	ND	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	780.0	ND	NA	780.0	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1300.0	ND	NA	1300.0	NA	NA	NA
883.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	50.0	160.0	170.0	210.0	ND	ND	NA
883.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	92.0	110.0	ND	202.0	NA	ND	NA
883.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	570.0	19.0	ND	590.0	NA	ND	NA
885.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	860.0	ND	NA	860.0	ND	ND	NA
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	880.0	ND	NA	880.0	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1400.0	ND	NA	1400.0	NA	NA	NA
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	180.0	2000.0	750.0	11000.0	2930.0	ND	ND	NA

99-O

* 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 O (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	12/22/90	ND	ND	ND	11.0	ND	8.6	5.0	7.4	ND	32.0	ND	ND	ND
887.0	San Diego Bay/Evans Street	TCM	12/21/91	ND	NA	ND	13.0	ND	7.2	5.7	9.8	1.4	37.1	ND	ND	NA
887.0	San Diego Bay/Evans Street	TCM	01/05/93	ND	NA	ND	14.0	ND	15.0	12.0	13.0	3.8	57.8	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	ND	NA	ND	24.0	ND	18.0	13.0	22.0	3.9	80.9	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	ND	NA	ND	13.0	ND	8.4	8.3	7.0	2.9	39.6	ND	ND	NA
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	ND	NA	ND	21.0	ND	19.0	13.0	17.0	2.9	72.9	5.8	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	9.0	29.2	ND	25.0	9.7	22.9	ND	95.8	29.9	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/07/90	2.4	ND	6.2	14.0	7.5	22.0	3.5	12.0	ND	65.2	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	Ethin	alpha-HCH
887.0	ND	12.0	24.0	ND	ND	4.0	ND	ND	40.0	ND	ND	5.0	ND	NA	NA	ND	ND	ND	ND
887.0	ND	11.0	7.6	40.0	ND	ND	ND	ND	58.6	ND	NA	4.8	ND	ND	ND	ND	ND	ND	ND
887.0	5.6	7.1	ND	27.0	ND	6.1	ND	9.8	55.6	ND	NA	7.4	ND	ND	ND	ND	ND	ND	ND
888.0	ND	5.8	8.8	43.0	ND	ND	ND	ND	57.6	ND	NA	4.4	ND	ND	ND	ND	ND	ND	ND
888.0	ND	6.2	ND	20.0	ND	ND	ND	ND	26.2	ND	NA	14.0	ND	ND	ND	ND	ND	ND	ND
893.0	ND	4.2	ND	29.0	ND	13.0	ND	9.2	55.4	ND	NA	9.1	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	43.8	145.8	68.7	52.1	ND	ND	41.0	22.2	373.6	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND
894.0	81.0	240.0	260.0	51.0	ND	4.7	13.0	48.0	697.7	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
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	370.0	ND	ND	370.0	ND	ND	NA
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	810.0	ND	ND	810.0	NA	ND	780.0
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1300.0	ND	ND	1300.0	NA	ND	1000.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1300.0	ND	ND	1300.0	NA	ND	1300.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	570.0	ND	ND	570.0	NA	ND	600.0
893.0	ND	ND	2.0	ND	2.7	ND	ND	NA	NA	ND	NA	180.0	1100.0	ND	ND	1300.0	NA	ND	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7500.0	4400.0	ND	NA	11900.0	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8800.0	9700.0	ND	NA	18500.0	NA	NA	NA
894.0	ND	ND	6.2	ND	ND	ND	ND	ND	ND	NA	NA	3680.6	4791.7	48.6	NA	8472.2	ND	ND	899.9
894.0	ND	ND	ND	ND	ND	7.4	ND	ND	ND	15.0	NA	42000.0	ND	15000.0	700.0	57000.0	ND	ND	100.0

O-67

* 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 O (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-Nonachlor	trans-Nonachlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	ND	ND	ND	19.0	ND	14.0	5.1	14.0	ND	52.1	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	08/31/91	ND	NA	3.5	32.0	5.7	35.0	5.4	17.0	ND	98.6	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	20.0	NA	ND	15.0	ND	15.0	5.8	13.0	ND	48.8	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	1.7	NA	ND	19.0	1.1	17.0	8.9	8.0	2.7	56.7	ND	ND	NA
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	9.7	ND	8.2	7.7	7.8	ND	33.4	4.1	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

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
894.0	26.0	69.0	ND	38.0	ND	5.2	ND	ND	138.2	ND	ND	5.0	ND	NA	NA	ND	ND	ND	ND
894.0	100.0	450.0	380.0	630.0	2.0	57.0	21.0	44.0	1684.0	ND	NA	1.3	ND	ND	ND	ND	ND	ND	ND
894.0	45.0	98.0	73.0	120.0	ND	17.0	ND	18.0	371.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
894.0	23.0	56.0	ND	32.0	4.8	28.0	ND	9.0	152.8	27.0	NA	9.9	ND	ND	ND	ND	ND	ND	ND
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	5.2	ND	18.0	ND	9.5	ND	ND	32.7	ND	NA	5.0	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

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
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5	NA	4500.0	4600.0	ND	ND	9100.0	ND	ND	NA
894.0	ND	ND	ND	ND	ND	5.1	ND	NA	NA	12.0	NA	86000.0	ND	21000.0	ND	107000.0	NA	ND	2210.0
894.0	ND	ND	ND	13.0	ND	ND	ND	NA	NA	ND	NA	3300.0	4900.0	ND	ND	8200.0	NA	ND	470.0
894.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	3600.0	2700.0	ND	ND	6300.0	NA	ND	0.9
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	320.0	2700.0	ND	NA	3020.0	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100.0	4400.0	ND	NA	5500.0	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3900.0	9200.0	ND	NA	13100.0	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1400.0	ND	NA	1400.0	NA	NA	NA
895.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	88.0	520.0	ND	ND	610.0	NA	ND	NA
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2200.0	ND	NA	2200.0	NA	NA	10272.0

89-O

* 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 O (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
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	12/21/89	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	20.0	ND	23.0	13.0	16.0	4.4	76.4	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	ND	NA	ND	11.0	ND	5.7	3.8	7.8	1.3	29.6	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	ND	NA	ND	5.3	ND	3.9	2.6	2.5	1.3	15.6	ND	ND	NA
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	ND	NA	ND	25.0	ND	19.0	14.0	15.0	5.0	78.0	6.2	ND	NA
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
901.0	San Diego Bay/Degausing Station	SED	09/07/90	ND	ND	ND	1.1	ND	1.2	ND	1.0	ND	3.3	ND	ND	ND
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	ND	NA	ND	6.6	ND	1.9	1.3	2.3	ND	12.1	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
898.0	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	18.0	28.0	4.3	89.0	7.9	28.0	ND	14.0	189.2	ND	NA	11.0	ND	ND	ND	ND	ND	ND	ND
899.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
899.0	5.6	10.0	7.9	46.0	ND	ND	ND	ND	69.5	ND	NA	8.4	ND	ND	ND	ND	ND	ND	1.7
899.0	ND	5.6	ND	23.0	ND	ND	ND	ND	28.6	ND	NA	5.8	ND	ND	ND	ND	ND	ND	ND
899.2	5.0	8.8	7.0	44.0	ND	9.5	ND	14.0	88.3	ND	NA	16.0	ND	ND	ND	ND	ND	ND	ND
899.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
901.0	ND	ND	4.5	36.0	ND	ND	ND	ND	40.5	ND	NA	4.7	ND	ND	ND	ND	ND	ND	1.3

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
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3600.0	ND	NA	3600.0	NA	NA	NA
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6287.6
898.0	ND	ND	ND	1.4	ND	ND	ND	NA	NA	ND	NA	ND	2200.0	ND	ND	2200.0	NA	ND	9800.0
899.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	480.0	94.0	ND	574.0	NA	ND	500.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	340.0	ND	ND	340.0	NA	ND	900.0
899.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1400.0	ND	ND	1400.0	NA	ND	5700.0
899.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30260.8
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
901.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	270.0	78.0	ND	348.0	NA	ND	260.0

69-O

* 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