

## **APPENDIX S**

**Summary of 1987-93 Data**  
**PAHs in Mussels, Clams, and Sediment**  
**(ppb, dry weight)**

## APPENDIX S

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
2.0	Crescent City/STP Outfall	RCM	02/23/90	195.3	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	62.0	ND	ND	ND	ND	ND	5.00
2.0	Crescent City/STP Outfall	RCM	03/12/92	34.0	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	82.8	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/27/90	26.0	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	71.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	88.5	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	24.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	33.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/22/92	32.0	ND	ND	ND	ND	ND	ND

  

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
2.0	ND	NA	ND	117.19	ND	78.12	ND	ND	ND
2.0	ND	ND	ND	30.00	7.00	11.00	ND	ND	ND
2.0	ND	ND	ND	19.00	ND	15.00	ND	ND	ND
3.0	ND	NA	ND	82.84	ND	ND	ND	ND	ND
3.0	ND	ND	ND	20.00	ND	ND	ND	ND	ND
3.0	ND	ND	ND	22.00	ND	35.00	ND	ND	ND
10.0	ND	NA	ND	44.25	ND	44.25	ND	ND	ND
10.0	ND	ND	ND	13.00	ND	11.00	ND	ND	ND
10.0	ND	ND	ND	14.00	ND	19.00	ND	ND	ND
10.0	ND	ND	ND	16.00	ND	16.00	ND	ND	ND

  

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
2.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
2.0	ND	ND	ND	9.00	ND	ND	ND	ND	ND
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
3.0	ND	ND	ND	6.00	ND	ND	ND	ND	ND
3.0	ND	ND	ND	14.00	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
95.0	McDaniel Slough	SED	09/18/90	0.9	ND	ND	ND	ND	0.41	0.16
95.0	McDaniel Slough	SED	10/08/91	647.1	8.00	27.00	ND	15.00	53.00	61.00
100.0	Mad River Slough	SED	09/18/90	0.3	ND	ND	ND	ND	0.06	0.09
100.0	Mad River Slough	TCM	02/27/91	66.0	ND	ND	ND	ND	ND	10.00
100.0	Mad River Slough	SED	10/08/91	1560.0	21.00	39.00	ND	39.00	56.00	210.00
100.5	Arcata Dock	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND
101.0	Samoa Bridge/West	TCM	02/27/91	158.0	ND	ND	ND	ND	6.00	28.00
102.0	Samoa Bridge/East	TCM	02/27/91	129.0	ND	ND	ND	ND	ND	17.00
102.0	Samoa Bridge/East	TCM	02/25/92	522.0	ND	ND	ND	ND	16.00	45.00
103.0	Eureka Channel	TCM	02/27/91	192.0	13.00	ND	ND	ND	ND	38.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
95.0	ND	NA	ND	ND	ND	ND	ND	ND	0.06
95.0	25.00	12.00	15.00	39.00	18.00	40.00	22.00	12.00	6.80
100.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
100.0	ND	ND	ND	13.00	ND	13.00	ND	ND	ND
100.0	58.00	19.00	79.00	110.00	73.00	100.00	74.00	39.00	31.00
100.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
101.0	ND	ND	9.00	15.00	ND	15.00	ND	ND	ND
102.0	ND	ND	9.00	26.00	ND	17.00	ND	ND	ND
102.0	ND	ND	22.00	71.00	54.00	170.00	23.00	ND	ND
103.0	ND	ND	ND	22.00	ND	19.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
95.0	ND	ND	ND	0.05	ND	0.19	ND	ND	ND
95.0	6.30	15.00	33.00	89.00	20.00	76.00	13.00	29.00	12.00
100.0	ND	ND	ND	0.05	ND	0.07	ND	ND	ND
100.0	ND	ND	ND	19.00	ND	11.00	ND	ND	ND
100.0	18.00	66.00	39.00	220.00	64.00	160.00	ND	30.00	15.00
100.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
101.0	ND	ND	ND	56.00	ND	29.00	ND	ND	ND
102.0	ND	ND	ND	39.00	ND	21.00	ND	ND	ND
102.0	ND	ND	ND	72.00	ND	49.00	ND	ND	ND
103.0	ND	ND	ND	66.00	ND	34.00	ND	ND	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
103.0	Eureka Channel	TCM	02/17/93	290.0	ND	ND	ND	ND	ND	33.00
103.3	E Street	TCM	02/27/91	578.0	19.00	10.00	ND	ND	24.00	110.00
103.3	E Street	TCM	02/25/92	353.0	ND	ND	ND	ND	ND	62.00
103.7	Eda Dock	TCM	02/27/91	338.0	ND	ND	ND	ND	13.00	68.00
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/27/91	69.0	11.00	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	188.0	ND	ND	ND	ND	ND	23.00
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	40.0	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	56.0	ND	ND	ND	ND	ND	ND

  

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
103.0	ND	ND	19.00	32.00	20.00	53.00	ND	18.00	ND
103.3	ND	ND	17.00	28.00	10.00	29.00	ND	18.00	13.00
103.3	ND	ND	30.00	43.00	ND	57.00	ND	ND	ND
103.7	ND	ND	14.00	21.00	ND	37.00	20.00	ND	ND
104.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
104.0	ND	ND	ND	18.00	ND	11.00	ND	ND	ND
104.0	ND	ND	ND	17.00	13.00	31.00	ND	ND	ND
104.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
104.5	ND	ND	ND	21.00	ND	14.00	ND	ND	ND
104.5	ND	ND	ND	13.00	ND	22.00	ND	ND	ND

  

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
103.0	ND	ND	ND	76.00	ND	39.00	ND	ND	ND
103.3	ND	ND	ND	150.00	34.00	110.00	ND	6.00	ND
103.3	ND	ND	ND	94.00	ND	67.00	ND	ND	ND
103.7	ND	ND	ND	97.00	13.00	55.00	ND	ND	ND
104.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
104.0	ND	ND	ND	22.00	7.00	ND	ND	ND	ND
104.0	ND	ND	ND	69.00	13.00	22.00	ND	ND	ND
104.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
104.5	ND	ND	ND	5.00	ND	ND	ND	ND	ND
104.5	ND	ND	ND	21.00	ND	ND	ND	ND	ND

S-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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
106.0	Fields Landing	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND
106.0	Fields Landing	TCM	02/27/91	139.0	ND	ND	ND	ND	ND	19.00
159.0	Russian River West Fork	TFC	03/06/92	89.0	ND	ND	ND	ND	ND	25.00
160.0	Lake Mendocino	RFC	11/30/89	133.3	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	153.0	ND	ND	ND	ND	56.00	ND
175.0	Big Sulfur Creek	TFC	03/30/93	140.0	ND	ND	10.00	ND	ND	30.00
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	44.0	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
106.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
106.0	ND	ND	9.00	22.00	ND	17.00	ND	ND	ND
159.0	ND	ND	ND	25.00	ND	39.00	ND	ND	ND
160.0	ND	NA	ND	66.67	ND	66.67	ND	ND	ND
165.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	40.00	ND	57.00	ND	ND	ND
175.0	ND	ND	ND	16.00	ND	14.00	ND	ND	ND
190.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	28.00	ND	12.00	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
106.0	ND	ND	ND	55.00	ND	17.00	ND	ND	ND
159.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	ND	ND	42.00	ND	28.00	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
190.0	ND	ND	ND	4.00	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	419.4	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	37.0	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	64.0	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	09/01/92	59.0	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	01/29/91	58.0	ND	ND	ND	ND	ND	16.00
203.0	Tomales Bay	RBM	12/30/91	111.0	ND	ND	ND	ND	ND	30.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	1311.0	ND	21.00	ND	ND	52.00	290.00

  

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	129.03	88.71	120.97	80.65	ND	ND
202.0	ND	ND	ND	24.00	ND	13.00	ND	ND	ND
202.0	ND	ND	ND	29.00	ND	35.00	ND	ND	ND
202.0	ND	ND	ND	26.00	ND	33.00	ND	ND	ND
203.0	ND	ND	ND	13.00	ND	ND	ND	ND	ND
203.0	ND	ND	ND	18.00	ND	13.00	ND	ND	ND
205.0	21.00	ND	23.00	33.00	22.00	55.00	28.00	76.00	15.00

  

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	18.00	ND	11.00	ND	ND	ND
203.0	ND	ND	ND	29.00	ND	21.00	ND	ND	ND
205.0	ND	ND	ND	310.00	88.00	260.00	ND	17.00	ND

S-6

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	1134.0	ND	34.00	ND	ND	59.00	260.00
207.0	Point Reyes	RCM	01/29/91	24.0	ND	ND	ND	ND	ND	ND
290.0	Russian River/near Moscow	TFC	03/30/93	115.0	ND	ND	ND	ND	ND	36.00
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	1263.2	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	842.0	ND	40.00	ND	ND	220.00	91.00
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	531.0	ND	17.00	ND	ND	99.00	120.00
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
205.0	31.00	ND	25.00	23.00	15.00	66.00	30.00	ND	ND
207.0	ND	ND	ND	24.00	ND	ND	ND	ND	ND
290.0	ND	ND	ND	13.00	ND	14.00	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.1	54.00	40.00	ND	22.00	ND	ND	ND	ND	ND
295.2	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.2	ND	10.00	ND	26.00	ND	ND	ND	ND	ND
295.3	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
205.0	ND	ND	ND	230.00	84.00	250.00	ND	27.00	ND
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
290.0	ND	ND	ND	28.00	ND	24.00	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	ND	ND	ND	ND	ND	NA	1263.16	ND
295.1	ND	ND	ND	29.00	19.00	200.00	60.00	67.00	ND
295.2	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.2	ND	ND	ND	43.00	21.00	170.00	ND	25.00	ND
295.3	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	327.0	ND	ND	ND	ND	48.00	59.00
295.4	Russian River/Wholer Bridge	TFC	04/07/92	296.0	ND	ND	ND	ND	57.00	81.00
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
297.0	Putah Creek	RFC	12/05/89	209.7	ND	ND	ND	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	191.0	ND	ND	ND	ND	15.00	23.00
302.0	Point Pinole	TCM	12/27/91	228.0	19.00	15.00	ND	ND	20.00	37.00
302.0	Point Pinole	TCM	01/20/93	186.0	ND	ND	ND	ND	13.00	24.00
302.4	Castro Cove Bridge	TCM	01/18/88	12530.0	2200.00	ND	ND	ND	1100.00	1300.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
295.4	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	48.00	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	NA	ND	112.90	ND	96.77	ND	ND	ND
302.0	ND	8.00	ND	59.00	ND	ND	ND	ND	ND
302.0	17.00	ND	ND	15.00	ND	17.00	ND	ND	ND
302.0	11.00	ND	ND	43.00	15.00	22.00	ND	ND	ND
302.4	2500.00	1000.00	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
295.4	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.4	ND	ND	ND	33.00	14.00	110.00	ND	15.00	ND
295.4	ND	ND	ND	39.00	ND	92.00	ND	27.00	ND
295.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
302.0	ND	ND	ND	24.00	ND	44.00	11.00	7.00	ND
302.0	ND	ND	16.00	27.00	ND	45.00	ND	ND	ND
302.0	ND	ND	ND	25.00	ND	33.00	ND	ND	ND
302.4	ND	ND	ND	1500.00	ND	ND	930.00	2000.00	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
302.4	Castro Cove Bridge	TCM	12/29/88	24960.0	1200.00	1500.00	ND	ND	2400.00	5500.00
302.4	Castro Cove Bridge	TCM	03/21/90	40210.2	4012.74	2547.77	ND	ND	ND	10191.08
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	2995.0	80.00	170.00	ND	ND	200.00	700.00
303.3	Lauritzen Canal/End	TCM	03/22/91	5119.0	150.00	570.00	19.00	ND	640.00	1100.00
303.4	Santa Fe Channel/End	TCM	03/22/91	2465.0	ND	160.00	ND	ND	290.00	780.00
304.4	Serl Intake	TCM	03/22/91	386.0	ND	14.00	ND	ND	22.00	79.00
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	134.0	12.00	ND	ND	ND	8.00	26.00
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	325.0	ND	19.00	ND	ND	25.00	58.00
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	1209.0	50.00	37.00	ND	ND	48.00	280.00
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	240.0	9.00	10.00	ND	ND	12.00	49.00

  

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
302.4	930.00	550.00	ND	ND	ND	ND	ND	ND	ND
302.4	1464.97	NA	547.77	121.02	ND	76.43	101.91	ND	ND
303.1	94.00	53.00	79.00	53.00	13.00	36.00	14.00	ND	60.00
303.3	400.00	200.00	33.00	58.00	16.00	32.00	ND	ND	17.00
303.4	120.00	45.00	17.00	49.00	9.00	25.00	ND	19.00	ND
304.4	ND	14.00	13.00	31.00	ND	10.00	ND	ND	ND
306.0	ND	ND	ND	12.00	ND	7.00	ND	ND	ND
306.0	15.00	ND	18.00	12.00	ND	20.00	ND	ND	ND
306.0	27.00	ND	41.00	17.00	ND	20.00	ND	ND	32.00
307.0	11.00	5.00	ND	13.00	ND	8.00	ND	ND	ND

  

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
302.4	ND	ND	ND	5200.00	1100.00	5400.00	530.00	650.00	ND
302.4	ND	ND	ND	4522.29	3312.10	11464.97	NA	1847.13	ND
303.1	ND	19.00	17.00	630.00	74.00	580.00	50.00	73.00	ND
303.3	ND	38.00	110.00	290.00	88.00	790.00	180.00	320.00	68.00
303.4	ND	ND	8.00	240.00	ND	550.00	37.00	110.00	6.00
304.4	ND	ND	9.00	76.00	8.00	79.00	19.00	12.00	ND
306.0	ND	ND	ND	34.00	ND	35.00	ND	ND	ND
306.0	ND	ND	13.00	80.00	ND	65.00	ND	ND	ND
306.0	ND	ND	18.00	310.00	17.00	280.00	13.00	19.00	ND
307.0	ND	ND	ND	51.00	ND	56.00	8.00	8.00	ND

6-5

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	903.0	51.00	45.00	ND	ND	51.00	160.00
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	4020.0	130.00	110.00	ND	13.00	83.00	1100.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	1149.0	64.00	50.00	ND	ND	120.00	270.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	2122.0	77.00	140.00	ND	ND	180.00	540.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	995.0	14.00	50.00	ND	ND	72.00	200.00
307.5	Lake Merritt	RBM	05/22/92	4628.0	76.00	430.00	18.00	ND	470.00	1100.00
307.5	Lake Merritt	RCM	03/16/93	3468.0	160.00	190.00	14.00	ND	120.00	1000.00
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	166.0	ND	ND	ND	ND	ND	41.00
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	211.0	ND	ND	ND	ND	19.00	36.00
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	330.0	ND	15.00	ND	ND	20.00	30.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
307.0	24.00	ND	37.00	18.00	ND	44.00	ND	ND	17.00
307.0	54.00	15.00	130.00	37.00	20.00	61.00	11.00	ND	84.00
307.4	29.00	26.00	18.00	29.00	ND	19.00	ND	ND	ND
307.4	110.00	26.00	43.00	21.00	ND	34.00	ND	35.00	21.00
307.4	47.00	16.00	96.00	37.00	18.00	42.00	ND	ND	ND
307.5	440.00	130.00	69.00	23.00	17.00	37.00	ND	ND	37.00
307.5	210.00	66.00	59.00	29.00	16.00	30.00	ND	ND	31.00
308.0	ND	16.00	ND	46.00	ND	ND	ND	ND	ND
308.0	21.00	ND	ND	ND	ND	ND	ND	ND	ND
308.0	25.00	10.00	ND	43.00	20.00	28.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
307.0	ND	ND	24.00	220.00	ND	180.00	15.00	17.00	ND
307.0	ND	ND	31.00	1000.00	49.00	1000.00	19.00	57.00	16.00
307.4	ND	28.00	ND	140.00	20.00	240.00	38.00	58.00	ND
307.4	ND	ND	49.00	190.00	45.00	440.00	40.00	110.00	21.00
307.4	ND	ND	47.00	47.00	ND	250.00	ND	59.00	ND
307.5	ND	46.00	71.00	250.00	44.00	790.00	140.00	390.00	50.00
307.5	ND	29.00	47.00	330.00	39.00	800.00	67.00	200.00	31.00
308.0	ND	ND	ND	ND	ND	63.00	ND	ND	ND
308.0	ND	ND	20.00	21.00	ND	54.00	22.00	ND	18.00
308.0	ND	ND	43.00	17.00	ND	42.00	18.00	19.00	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
309.0	San Mateo Bridge/8B	TCM	01/16/91	190.0	ND	10.00	ND	ND	20.00	38.00
309.0	San Mateo Bridge/8B	TCM	12/16/91	337.0	ND	22.00	ND	ND	35.00	40.00
309.0	San Mateo Bridge/8B	TCM	02/01/93	388.0	ND	ND	ND	ND	23.00	35.00
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	334.0	ND	ND	ND	ND	27.00	53.00
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	221.0	ND	17.00	ND	ND	21.00	31.00
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	450.0	ND	17.00	ND	ND	23.00	51.00
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	395.0	ND	15.00	ND	ND	30.00	51.00
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	142.0	ND	ND	ND	ND	ND	25.00
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	218.0	ND	ND	ND	ND	15.00	36.00
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	201.0	ND	ND	ND	ND	15.00	22.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
309.0	ND	8.00	ND	37.00	ND	ND	ND	ND	ND
309.0	39.00	ND	ND	ND	ND	ND	ND	ND	ND
309.0	28.00	25.00	ND	51.00	21.00	31.00	ND	ND	ND
313.0	35.00	30.00	ND	65.00	ND	ND	ND	ND	ND
313.0	25.00	ND	ND	ND	ND	ND	ND	ND	ND
313.0	45.00	10.00	ND	24.00	ND	13.00	ND	ND	ND
321.0	34.00	23.00	ND	55.00	ND	ND	ND	ND	ND
321.0	15.00	ND	ND	17.00	ND	15.00	ND	ND	ND
326.0	ND	12.00	ND	20.00	ND	ND	ND	ND	ND
326.0	12.00	ND	ND	24.00	11.00	26.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
309.0	ND	16.00	ND	9.00	ND	52.00	ND	ND	ND
309.0	ND	ND	37.00	24.00	ND	60.00	28.00	23.00	29.00
309.0	ND	ND	54.00	16.00	ND	51.00	25.00	28.00	ND
313.0	ND	ND	17.00	ND	ND	83.00	24.00	ND	ND
313.0	ND	ND	28.00	17.00	ND	43.00	22.00	17.00	ND
313.0	ND	11.00	59.00	19.00	ND	76.00	38.00	34.00	30.00
321.0	ND	ND	13.00	20.00	ND	74.00	43.00	37.00	ND
321.0	ND	ND	15.00	ND	ND	41.00	14.00	ND	ND
326.0	ND	ND	ND	17.00	ND	55.00	40.00	23.00	ND
326.0	ND	ND	13.00	19.00	ND	35.00	12.00	12.00	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	50.0	ND	ND	ND	ND	ND	ND
336.0	J. Fitzgerald	RCM	01/30/91	28.0	ND	ND	ND	ND	ND	ND
399.5	San Lorenzo River	SED	01/14/91	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	SED	12/03/90	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	657.0	15.00	ND	ND	ND	65.00	100.00
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	ND	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	66.0	ND	ND	ND	ND	ND	14.00
400.8	Aptos Creek	TFC	12/19/91	ND	ND	ND	ND	ND	ND	ND
404.0	Sandholdt Bridge	TCM	02/04/91	1080.0	25.00	41.00	ND	ND	70.00	240.00
404.0	Sandholdt Bridge	TCM	01/28/92	1021.0	19.00	ND	ND	23.00	22.00	110.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
326.0	ND	ND	ND	20.00	ND	18.00	ND	ND	ND
336.0	ND	ND	ND	17.00	ND	11.00	ND	ND	ND
399.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
399.7	ND	NA	ND	ND	ND	ND	ND	ND	ND
399.7	40.00	ND	ND	56.00	14.00	33.00	ND	ND	ND
400.8	ND	NA	ND	ND	ND	ND	ND	ND	ND
400.8	ND	ND	ND	32.00	ND	ND	ND	ND	ND
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
404.0	7.00	4.00	61.00	42.00	11.00	52.00	ND	ND	16.00
404.0	ND	ND	71.00	51.00	38.00	150.00	51.00	50.00	50.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
326.0	ND	ND	ND	12.00	ND	ND	ND	ND	ND
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	15.00	ND	47.00	45.00	180.00	23.00	24.00	ND
400.8	ND	ND	ND	ND	ND	ND	NA	ND	ND
400.8	ND	ND	ND	ND	20.00	ND	ND	ND	ND
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
404.0	ND	7.00	ND	260.00	11.00	210.00	10.00	13.00	ND
404.0	ND	ND	ND	250.00	36.00	100.00	ND	ND	ND

\* 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 S (continued)**

State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
404.0	Sandholdt Bridge	TCM	02/01/93	738.0	21.00	21.00	ND	ND	24.00	140.00
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	61.0	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	01/31/92	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/12/93	24.0	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	TFC	05/25/92	510.0	ND	ND	ND	ND	ND	53.00
426.5	Cayucos Pier	TCM	02/25/91	1189.0	28.00	15.00	ND	3.00	32.00	320.00
430.0	Montana De Oro	RCM	11/14/90	22.0	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	02/25/91	36.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
404.0	ND	ND	40.00	20.00	18.00	47.00	ND	11.00	42.00
414.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	36.00	ND	15.00	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	13.00	ND	11.00	ND	ND	ND
425.6	ND	NA	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	41.00	52.00	140.00	73.00	ND	ND
426.5	3.00	3.00	36.00	22.00	9.00	24.00	ND	ND	31.00
430.0	ND	ND	ND	22.00	ND	ND	ND	ND	ND
430.0	ND	ND	ND	28.00	ND	8.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
404.0	ND	ND	ND	220.00	14.00	120.00	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	10.00	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	ND	ND	ND	NA	ND	ND
425.6	ND	ND	ND	51.00	ND	100.00	ND	ND	ND
426.5	ND	ND	ND	340.00	33.00	290.00	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
430.0	Montana De Oro	RCM	12/03/91	35.0	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	02/25/92	112.0	ND	ND	ND	ND	ND	31.00
430.2	Montana De Oro 1	TCM	11/14/90	19.0	ND	ND	ND	ND	ND	ND
430.2	Montana De Oro 1	TCM	12/04/91	13.0	ND	ND	ND	ND	ND	ND
430.4	Montana De Oro 2	TCM	11/14/90	21.0	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/91	31.0	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/92	20.0	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/91	28.0	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/92	16.0	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	02/25/91	27.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
430.0	ND	ND	ND	16.00	ND	19.00	ND	ND	ND
430.0	ND	ND	ND	14.00	ND	14.00	ND	ND	ND
430.2	ND	ND	ND	19.00	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	13.00	ND	ND	ND
430.4	ND	ND	ND	21.00	ND	ND	ND	ND	ND
434.0	ND	ND	ND	13.00	ND	8.00	ND	ND	ND
434.0	ND	ND	ND	ND	ND	20.00	ND	ND	ND
435.0	7.00	ND	ND	15.00	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	16.00	ND	ND	ND
437.0	ND	ND	ND	16.00	ND	5.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	24.00	ND	29.00	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	10.00	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	6.00	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	6.00	ND	ND

\* 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 S (continued)**

State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
437.0	Point San Luis	RCM	02/26/92	55.0	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	32.0	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	720.0	33.00	37.00	33.00	ND	42.00	49.00
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	28.0	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	02/26/91	2878.0	9.00	ND	ND	11.00	ND	21.00
444.0	Intake Cove/Transplant	TCM	02/26/92	455.0	ND	ND	ND	41.00	ND	ND
445.0	San Luis Harbor/Transplant	TCM	02/25/91	5055.0	93.00	940.00	ND	7.00	140.00	1300.00
445.0	San Luis Harbor/Transplant	TCM	02/25/92	10520.0	180.00	280.00	ND	27.00	380.00	3000.00
480.0	Lake Isabella	RFC	02/09/93	139.0	ND	ND	12.00	ND	ND	26.00
506.1	Port Hueneme/Wharf B	TCM	01/25/88	19230.0	ND	ND	ND	ND	ND	6800.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
437.0	ND	ND	ND	18.00	ND	19.00	ND	ND	ND
443.0	ND	ND	ND	18.00	ND	11.00	ND	ND	ND
443.0	43.00	39.00	25.00	22.00	23.00	24.00	17.00	22.00	17.00
443.1	ND	ND	ND	17.00	ND	11.00	ND	ND	ND
444.0	ND	ND	ND	330.00	600.00	1300.00	410.00	95.00	8.00
444.0	ND	ND	20.00	64.00	74.00	210.00	ND	16.00	ND
445.0	47.00	15.00	72.00	33.00	22.00	74.00	20.00	27.00	69.00
445.0	230.00	57.00	280.00	28.00	34.00	86.00	59.00	100.00	190.00
480.0	ND	ND	ND	20.00	14.00	33.00	ND	ND	ND
506.1	2100.00	830.00	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
437.0	ND	ND	ND	18.00	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	3.00	ND
443.0	15.00	ND	33.00	41.00	46.00	49.00	35.00	38.00	37.00
443.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	40.00	18.00	36.00	ND	ND	ND
444.0	ND	ND	ND	15.00	ND	15.00	ND	ND	ND
445.0	ND	ND	ND	790.00	50.00	1300.00	4.00	52.00	ND
445.0	ND	37.00	ND	2300.00	180.00	2800.00	56.00	180.00	36.00
480.0	ND	ND	ND	12.00	ND	22.00	ND	ND	ND
506.1	ND	ND	ND	3400.00	ND	5100.00	ND	1000.00	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	9900.0	ND	ND	ND	ND	ND	4700.00
506.3	Port Hueneme/Entrance	TCM	01/25/88	6500.0	ND	ND	ND	ND	ND	3100.00
601.0	LA Harbor/National Steel	TCM	12/28/87	2800.0	ND	ND	ND	ND	ND	1400.00
602.8	LA Harbor/Berth 49	TCM	12/28/87	ND	ND	ND	ND	ND	ND	ND
603.0	LA Harbor/Berth 151	TCM	12/28/87	5600.0	ND	ND	ND	ND	ND	2600.00
603.0	LA Harbor/Berth 151	TCM	12/19/88	3100.0	ND	ND	ND	ND	ND	1600.00
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	ND	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	1150.0	ND	ND	ND	ND	ND	400.00
621.0	LA Harbor/Berth 120	TCM	12/23/90	2885.0	ND	110.00	ND	ND	230.00	580.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	490.0	ND	16.00	ND	ND	40.00	120.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
506.2	1800.00	ND	ND	ND	ND	ND	ND	ND	ND
506.3	1100.00	ND	ND	ND	ND	ND	ND	ND	ND
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
603.0	1100.00	ND	ND	ND	ND	ND	ND	ND	ND
603.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
621.0	220.00	150.00	ND	27.00	10.00	ND	ND	ND	18.00
715.0	23.00	ND	ND	22.00	11.00	21.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
506.2	ND	ND	ND	ND	ND	3400.00	ND	ND	ND
506.3	ND	ND	ND	ND	ND	2300.00	ND	ND	ND
601.0	ND	ND	ND	ND	ND	1400.00	ND	ND	ND
602.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
603.0	ND	ND	ND	ND	ND	1900.00	ND	ND	ND
603.0	ND	ND	ND	ND	ND	1500.00	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	750.00	ND	ND	ND
621.0	ND	37.00	32.00	74.00	19.00	970.00	84.00	310.00	14.00
715.0	ND	ND	25.00	25.00	ND	160.00	ND	27.00	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	1266.0	14.00	54.00	ND	ND	79.00	240.00
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	344.0	ND	13.00	ND	ND	34.00	60.00
725.0	Newport Bay/Crows Nest	TCM	01/05/93	118.0	ND	ND	ND	ND	ND	23.00
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	629.8	11.00	25.00	ND	6.80	41.00	78.00
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	1310.0	ND	23.00	ND	11.00	73.00	210.00
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88	ND	ND	ND	ND	ND	ND	ND
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	360.0	ND	360.00	ND	ND	ND	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	633.0	ND	ND	11.00	ND	10.00	120.00
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	1345.0	ND	18.00	ND	22.00	22.00	240.00
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
719.1	53.00	19.00	42.00	18.00	21.00	27.00	14.00	42.00	ND
724.0	ND	ND	ND	48.00	17.00	48.00	ND	ND	ND
725.0	ND	11.00	ND	25.00	ND	16.00	ND	ND	ND
726.4	20.00	17.00	64.00	67.00	22.00	88.00	ND	ND	11.00
727.0	33.00	ND	28.00	46.00	51.00	92.00	32.00	31.00	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	23.00	28.00	27.00	47.00	ND	18.00	ND
728.7	25.00	ND	51.00	27.00	ND	160.00	30.00	58.00	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
719.1	ND	13.00	24.00	150.00	72.00	280.00	39.00	48.00	17.00
724.0	ND	ND	ND	18.00	ND	88.00	ND	18.00	ND
725.0	ND	ND	ND	12.00	ND	31.00	ND	ND	ND
726.4	ND	ND	ND	92.00	ND	71.00	ND	16.00	ND
727.0	ND	11.00	13.00	100.00	65.00	450.00	ND	41.00	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	11.00	100.00	44.00	180.00	ND	14.00	ND
728.7	ND	ND	11.00	190.00	110.00	350.00	ND	31.00	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.1	San Onofre 1	TCM	03/12/91	36.0	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	37.0	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	13.0	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	94.0	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	37.0	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	27.0	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.1	ND	ND	ND	26.00	ND	10.00	ND	ND	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	25.00	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	13.00	ND	ND	ND
744.3	ND	ND	ND	94.00	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	29.00	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	27.00	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	12.00	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	8.00	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

\* 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 S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.6	San Onofre 6	TCM	03/12/91	34.0	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87	3800.0	ND	ND	ND	ND	ND	1600.00
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	5945.0	140.00	350.00	ND	ND	430.00	2300.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	13966.0	360.00	1100.00	52.00	22.00	1100.00	3700.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	19607.0	700.00	1300.00	46.00	52.00	1400.00	5200.00
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	4573.0	110.00	240.00	ND	ND	260.00	1800.00
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	10930.0	ND	ND	ND	ND	950.00	4300.00
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	24210.0	2200.00	440.00	ND	ND	ND	6400.00
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	4.5	0.17	1.09	ND	ND	0.52	0.46

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.6	ND	ND	ND	34.00	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.5	1000.00	ND	ND	ND	ND	ND	ND	ND	ND
882.7	370.00	92.00	47.00	39.00	24.00	45.00	ND	ND	59.00
882.8	930.00	140.00	220.00	20.00	24.00	93.00	65.00	100.00	260.00
882.8	1200.00	250.00	380.00	32.00	67.00	240.00	100.00	90.00	400.00
883.4	210.00	57.00	52.00	15.00	ND	25.00	ND	ND	56.00
883.6	770.00	ND	ND	ND	ND	ND	ND	ND	ND
883.6	700.00	460.00	ND	ND	ND	ND	ND	ND	ND
883.6	0.66	**	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.5	ND	ND	ND	ND	ND	1200.00	ND	ND	ND
882.7	ND	44.00	100.00	290.00	34.00	1100.00	95.00	320.00	66.00
882.8	ND	150.00	200.00	1000.00	190.00	2800.00	290.00	1000.00	150.00
882.8	ND	180.00	240.00	2100.00	230.00	3900.00	310.00	970.00	220.00
883.4	ND	30.00	45.00	350.00	30.00	1000.00	56.00	210.00	27.00
883.6	ND	ND	ND	ND	ND	3300.00	790.00	820.00	ND
883.6	ND	ND	ND	3500.00	980.00	8600.00	930.00	ND	ND
883.6	ND	0.36	ND	0.16	ND	0.46	0.65	ND	ND

\* 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

\*\* = sediment values for Fluoranthene, benzo(k) are included in Fluoranthene, benzo(b)

## APPENDIX S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	8802.4	92.00	460.00	140.00	ND	1200.00	380.00
887.0	San Diego Bay/Evans Street	SED	09/07/90	19.4	0.51	3.83	0.07	ND	1.84	2.60
887.0	San Diego Bay/Evans Street	TCM	12/22/90	12211.0	450.00	590.00	19.00	6.00	820.00	4000.00
887.0	San Diego Bay/Evans Street	TCM	12/21/91	15875.0	410.00	810.00	26.00	20.00	940.00	5200.00
887.0	San Diego Bay/Evans Street	TCM	01/05/93	14150.0	340.00	740.00	ND	12.00	820.00	5100.00
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	26481.0	570.00	1900.00	61.00	26.00	2300.00	7100.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	ND	ND	ND	ND	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	ND	ND	ND	ND	ND	ND	ND
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	3410.0	ND	ND	ND	ND	ND	2200.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	1345.0	43.00	68.00	ND	ND	89.00	410.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
883.6	1500.00	630.00	21.00	15.00	5.20	11.00	ND	ND	5.20
887.0	2.64	**	0.11	ND	ND	ND	ND	ND	ND
887.0	320.00	400.00	170.00	30.00	27.00	81.00	110.00	130.00	160.00
887.0	820.00	140.00	300.00	21.00	26.00	65.00	43.00	54.00	240.00
887.0	760.00	200.00	270.00	37.00	25.00	68.00	ND	ND	130.00
888.0	2100.00	460.00	400.00	28.00	41.00	94.00	77.00	44.00	380.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	610.00	ND	ND	ND	ND	ND	ND	ND	ND
899.0	40.00	32.00	ND	19.00	ND	59.00	12.00	17.00	33.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
883.6	30.00	200.00	520.00	110.00	33.00	730.00	1200.00	950.00	570.00
887.0	ND	0.28	ND	0.55	0.53	2.92	1.33	1.40	0.77
887.0	ND	150.00	130.00	1100.00	210.00	2500.00	210.00	540.00	58.00
887.0	ND	100.00	200.00	1500.00	320.00	3500.00	190.00	830.00	120.00
887.0	20.00	98.00	180.00	1100.00	110.00	3100.00	200.00	740.00	100.00
888.0	ND	220.00	380.00	2200.00	370.00	4800.00	570.00	2100.00	260.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	ND	ND	ND	ND	ND	ND	ND	600.00	ND
899.0	ND	31.00	ND	170.00	ND	270.00	14.00	38.00	ND

\* 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

\*\* = sediment values for Fluoranthene, benzo(k) are included in Fluoranthene, benzo(b)

## APPENDIX S (continued)

### State Mussel Watch Program

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

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	1007.0	11.00	15.00	ND	ND	31.00	330.00
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	ND	ND	ND	ND	ND	ND	ND
901.0	San Diego Bay/Degausing Station	SED	09/07/90	0.1	ND	ND	ND	ND	0.05	ND
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	7941.0	280.00	180.00	ND	13.00	190.00	2800.00
904.0	Imperial Beach/Pier	RCM	12/22/90	5442.0	130.00	85.00	ND	13.00	210.00	1400.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
899.2	26.00	23.00	88.00	30.00	15.00	31.00	130.00	18.00	ND
899.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
901.0	110.00	23.00	220.00	20.00	27.00	120.00	57.00	92.00	110.00
904.0	32.00	38.00	210.00	65.00	14.00	160.00	25.00	22.00	83.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
899.2	ND	ND	ND	38.00	44.00	150.00	ND	27.00	ND
899.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	15.00	16.00	1700.00	130.00	1700.00	26.00	98.00	14.00
904.0	ND	ND	ND	1500.00	88.00	1300.00	24.00	43.00	ND

\* 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