

Section 7

Bivalve Tissue Chemistry

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	TISS_TYPE	NO_IN_COMP	TMMOIST	ALUMINUM
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	MACOMA (BIOACCUMULATION)	6	87.50	185.00
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	MACOMA (BIOACCUMULATION)	10	87.80	115.00
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	MACOMA (BIOACCUMULATION)	6	86.40	310.00
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	MACOMA (BIOACCUMULATION)	11	84.60	1520.00
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	MACOMA (BIOACCUMULATION)	7	-9.00	-9.00
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	MACOMA (BIOACCUMULATION)	12	86.10	33.50
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	MACOMA (BIOACCUMULATION)	6	86.20	101.00
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	MACOMA (BIOACCUMULATION)	12	88.30	886.00
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	MACOMA (BIOACCUMULATION)	11	86.20	1630.00
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	MACOMA (BIOACCUMULATION)	12	86.10	66.80
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	MACOMA (BIOACCUMULATION)	11	85.00	242.00
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	MACOMA (BIOACCUMULATION)	11	84.80	87.20
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	MACOMA (BIOACCUMULATION)	15	84.60	865.00
	GC- INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	MACOMA (BIOACCUMULATION)	15	83.70	326.00
	GC- HOME CONTROL-1	1812.1	11/18/97	55.0	MACOMA (BIOACCUMULATION)	15	84.10	668.00

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STANUM STATION	IDORG	DATE	LEG	ANTIMONY	ARSENIC	CADMIUM	CHROMIUM	COPPER	IRON	LEAD	MANGANESE
21030.0 EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	-8.000	29.400	0.3000	4.240	10.80	744.0	9.540	8.34
20011.0 ISLAIS CREEK- 1	1735.1	5/2/97	50.0	-8.000	28.700	0.2200	1.850	8.70	1120.0	1.190	5.38
21006.0 PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	23.700	0.6300	2.480	139.00	1280.0	32.500	17.44
21011.0 PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	-8.000	19.200	0.3000	2.690	13.80	1500.0	2.100	40.93
21308.0 WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	-9.000	-9.000	-9.0000	-9.000	-9.00	-9.0	-9.000	-9.00
GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.000	21.300	0.3800	1.340	12.00	414.0	1.160	11.30
GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.000	20.700	0.2300	0.560	10.90	468.0	0.840	8.53
21023.0 PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	-8.000	28.200	0.3000	2.670	37.90	1870.0	17.400	11.32
21310.0 SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	-8.000	20.500	0.2300	7.050	16.60	1680.0	10.700	24.84
GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.000	26.400	0.2300	2.080	13.00	464.0	0.880	9.39
21401.0 ZENECA MARSH #1-1	1795.1	11/18/97	55.0	-8.000	-9.000	0.4230	0.785	9.40	10200.0	3.840	0.95
21402.0 ZENECA MARSH #2-1	1796.1	11/18/97	55.0	-8.000	-9.000	0.1630	0.565	11.00	1760.0	1.000	0.60
21403.0 ZENECA MARSH #3-1	1797.1	11/18/97	55.0	-8.000	-9.000	0.1600	2.160	6.50	5800.0	3.150	5.31
GC- INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.000	-9.000	0.1340	1.350	9.00	956.0	8.200	8.21
GC- HOME CONTROL-1	1812.1	11/18/97	55.0	-8.000	-9.000	0.1270	3.290	6.90	1400.0	0.962	9.26

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STANUM	STATION	IDORG	DATE	LEG	MERCURY	NICKEL	SILVER	SELENIUM	TIN	ZINC	ASBATCH	SEBATCH
21030.0	EAST CHINA BASIN-SITE 1- 1	1732.1	5/2/97	50.0	0.3140	4.100	0.2300	-9.000	-8.0000	150.0000	97.2	-9.0
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	0.0867	2.860	0.2200	-9.000	-8.0000	119.0000	97.2	-9.0
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	0.1090	3.630	0.1300	-9.000	-8.0000	247.0000	97.2	-9.0
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	0.1330	4.700	0.3600	-9.000	-8.0000	122.0000	97.2	-9.0
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	-9.0000	-9.000	-9.0000	-9.000	-9.0000	-9.0000	-9.0	-9.0
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	0.1190	3.010	0.2300	-9.000	-8.0000	148.0000	97.2	-9.0
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	0.1430	2.330	0.2400	-9.000	-8.0000	155.0000	97.2	-9.0
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	0.1790	4.900	0.2100	-9.000	-8.0000	163.0000	97.2	-9.0
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	0.1590	6.770	0.1900	-9.000	-8.0000	125.0000	97.2	-9.0
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	0.1100	3.930	0.2200	-9.000	-8.0000	116.0000	97.2	-9.0
21401.0	ZENECA MARSH #1- 1	1795.1	11/18/97	55.0	0.1390	1.740	0.1960	1.310	-8.0000	190.0000	-9.0	98.1
21402.0	ZENECA MARSH #2- 1	1796.1	11/18/97	55.0	0.0334	1.190	0.1070	1.260	-8.0000	104.0000	-9.0	98.1
21403.0	ZENECA MARSH #3- 1	1797.1	11/18/97	55.0	0.1170	3.440	0.1240	0.870	-8.0000	144.0000	-9.0	98.1
	GC- INITIAL BEFORE EXPOSURE- 1	1811.1	10/2/97	55.0	0.0552	2.400	0.1990	0.880	-8.0000	106.0000	-9.0	98.1
	GC- HOME CONTROL- 1	1812.1	11/18/97	55.0	0.0846	3.650	0.1000	1.340	-8.0000	157.0000	-9.0	98.1

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STANUM	STATION	IDORG	DATE	LEG	TMBATCH	TMDATAQC	SOWEIGHT	SOMOIST	SOLIPID	ALDRIN	CCHLOR
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	97.2	-4	8.56	84.24	5.90	-8.000	1.117
20011.0	ISLAIS CREEK-1	1735.1	5/2/97	50.0	97.2	-4	19.62	85.90	4.20	-8.000	0.161
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	97.2	-4	6.28	84.31	9.30	-8.000	0.222
21011.0	PARADISE COVE- REFERENCE-1	1741.1	5/2/97	50.0	97.2	-4	9.70	81.12	7.50	-8.000	0.198
21308.0	WARM WATER COVE #2-1	1747.1	5/2/97	50.0	-9.0	-9	9.19	83.08	5.70	-8.000	0.163
	GC-INITIAL BEFORE EXPOSURE-1	1802.1	5/2/97	50.0	97.2	-4	8.61	83.06	5.50	-8.000	-8.000
	GC-HOME CONTROL-1	1803.1	5/2/97	50.0	97.2	-4	3.25	82.03	14.70	-8.000	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	97.2	-4	15.55	85.28	5.80	-8.000	1.502
21310.0	SAN LEANDRO BAY- SITE 3-1	1755.1	5/23/97	51.0	97.2	-4	14.53	73.68	3.90	-8.000	1.709
	GC-INITIAL BEFORE EXPOSURE-1	1804.1	4/25/97	51.0	97.2	-4	16.61	83.24	5.50	-8.000	-8.000
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	98.1	-4	17.56	88.61	8.50	-8.000	0.259
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	98.1	-4	12.81	87.27	9.08	-8.000	0.101
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	98.1	-4	20.00	88.61	11.23	-8.000	2.230
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	98.1	-4	20.65	86.50	6.09	-8.000	-8.000
	GC- HOME CONTROL-1	1812.1	11/18/97	55.0	98.1	-4	19.17	86.48	5.48	-8.000	-8.000

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STANUM	STATION	IDORG	DATE	LEG	TCHLOR	ACDEN	GC DEN	ITL CHLR	CLPYR	DACTH	OPDD	PPDD	OPDDE
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	1.233	0.117	-9.000	3.372	0.19	-8.000	0.38	1.766	-8.00
20011.0	ISLAIS CREEK-1	1735.1	5/2/97	50.0	0.144	-8.000	-9.000	0.559	-8.00	-8.000	0.21	0.525	-8.00
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.622	-8.00	-8.000	-8.00	1.040	-8.00
21011.0	PARADISE COVE- REFERENCE-1	1741.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.599	-8.00	-8.000	0.27	1.147	-8.00
21308.0	WARM WATER COVE #2-1	1747.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.563	-8.00	-8.000	-8.00	1.014	-8.00
	GC-INITIAL BEFORE EXPOSURE-1	1802.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.500	-8.00	-8.000	-8.00	-8.000	-8.00
	GC-HOME CONTROL-1	1803.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.500	-8.00	-8.000	-8.00	1.012	-8.00
21023.0	PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	1.694	0.459	-9.000	4.841	0.90	-8.000	0.71	4.065	-8.00
21310.0	SAN LEANDRO BAY- SITE 3-1	1755.1	5/23/97	51.0	1.843	0.400	-9.000	5.895	-8.00	-8.000	1.61	6.362	-8.00
	GC-INITIAL BEFORE EXPOSURE-1	1804.1	4/25/97	51.0	-8.000	-8.000	-9.000	0.500	-8.00	-8.000	-8.00	0.408	-8.00
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	0.301	-8.000	-9.000	1.364	-8.00	-8.000	2.24	11.200	-8.00
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	0.449	-8.000	-9.000	2.250	-8.00	-8.000	0.61	2.530	2.55
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	2.830	-8.000	-9.000	7.413	-8.00	0.096	4.93	27.200	1.32
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.000	-8.000	-9.000	0.871	-8.00	-8.000	-8.00	0.199	-8.00
	GC-HOME CONTROL-1	1812.1	11/18/97	55.0	-8.000	-8.000	-9.000	0.952	-8.00	-8.000	-8.00	0.196	-8.00

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STANUM	STATION	IDORG	DATE	LEG	PPDE	PPDMS	PPDMU	OPDDT	PPDDT	TTL_DDT	DICLB	DIELDRIN	ENDO_1
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	0.39	-9.00	-8.00	-8.00	-8.00	3.64	-8.00	1.041	-8.000
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	0.37	-9.00	-8.00	-8.00	-8.00	2.21	-8.00	0.322	-8.000
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	0.89	-9.00	-8.00	-8.00	-8.00	3.53	-8.00	0.686	-8.000
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	1.32	-9.00	0.11	-8.00	-8.00	3.84	-8.00	0.728	-8.000
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	1.14	-9.00	-8.00	-8.00	-8.00	3.75	-8.00	0.567	-8.000
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	0.31	-9.00	-8.00	-8.00	-8.00	2.21	-8.00	1.007	-8.000
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	3.98	-9.00	0.27	-8.00	-8.00	6.59	-8.00	1.271	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	2.27	-9.00	-8.00	-8.00	3.17	10.92	-8.00	1.312	-8.000
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	4.52	-9.00	1.29	0.27	-8.00	13.46	-8.00	1.567	-8.000
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	0.37	-9.00	-8.00	-8.00	-8.00	2.38	-8.00	0.256	-8.000
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	1.76	-9.00	0.56	-8.00	0.09	15.99	0.31	1.150	-8.000
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	39.20	-9.00	3.29	-8.00	0.27	45.56	-8.00	0.476	-8.000
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	29.20	-9.00	8.98	-8.00	-8.00	63.45	0.75	2.010	-8.000
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	0.17	-9.00	-8.00	-8.00	-8.00	1.97	-8.00	-8.000	-8.000
	GC-HOME CONTROL-1	1812.1	11/18/97	55.0	0.21	-9.00	-8.00	-8.00	-8.00	2.01	-8.00	0.117	-8.000

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STANUM STATION	IDORG	DATE	LEG	ENDO II	ESO4	ENDRIN	HCHA	HCHB	HCHG	HCHD	HEPTACHLOR	HE	HCB
21030.0 EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	-8.00	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	-8.000
20011.0 ISLAIS CREEK- 1	1735.1	5/2/97	50.0	-8.00	0.21	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	0.020
21006.0 PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	0.24	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	-8.000
21011.0 PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	0.21	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	0.054
21308.0 WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	0.18	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	0.131
GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.00	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	-8.000
GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.00	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	-8.000
21023.0 PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	0.31	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	0.183
21310.0 SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	0.15	0.77	-8.00	-8.000	-8.00	-8.000	1.086	-8.000	-8.000	0.054
GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.00	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	-8.000
21401.0 ZENECA MARSH #1-1	1795.1	11/18/97	55.0	0.09	0.40	-8.00	0.884	0.28	0.087	1.790	-8.000	-8.000	0.152
21402.0 ZENECA MARSH #2-1	1796.1	11/18/97	55.0	-8.00	-8.00	-8.00	0.117	-8.00	0.337	-8.000	-8.000	-8.000	0.186
21403.0 ZENECA MARSH #3-1	1797.1	11/18/97	55.0	-8.00	0.18	1.14	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	0.263
GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.00	-8.00	0.11	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	-8.000
GC- HOME CONTROL-1	1812.1	11/18/97	55.0	-8.00	-8.00	-8.00	-8.000	-8.00	-8.000	-8.000	-8.000	-8.000	0.079

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STANUM	STATION	IDORG	DATE	LEG	METHOXY	MIREX	CNONA	TNONA	OXAD	OC DAN	TOXAPH	PESBATCH	PCBS
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	-8.00	-8.000	0.323	0.599	-9.00	-8.000	-8.00	B97-300	-8.000
20011.0	ISLAIS CREEK-1	1735.1	5/2/97	50.0	-8.00	-8.000	0.058	0.096	-9.00	-8.000	-8.00	B97-300	-8.000
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.00	-8.000	-8.000	-8.000	-9.00	-8.000	-8.00	B97-300	-8.000
21011.0	PARADISE COVE- REFERENCE-1	1741.1	5/2/97	50.0	-8.00	-8.000	0.117	0.084	-9.00	-8.000	-8.00	B97-300	-8.000
21308.0	WARM WATER COVE #2-1	1747.1	5/2/97	50.0	-8.00	-8.000	-8.000	-8.000	-9.00	-8.000	-8.00	B97-300	-8.000
	GC-INITIAL BEFORE EXPOSURE-1	1802.1	5/2/97	50.0	-8.00	-8.000	-8.000	-8.000	-9.00	-8.000	-8.00	B97-300	-8.000
	GC-HOME CONTROL-1	1803.1	5/2/97	50.0	-8.00	-8.000	-8.000	-8.000	-9.00	-8.000	-8.00	B97-300	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	-8.00	-8.000	0.461	1.084	-9.00	-8.000	-8.00	B97-300	-8.000
21310.0	SAN LEANDRO BAY- SITE 3-1	1755.1	5/23/97	51.0	-8.00	-8.000	0.889	1.354	-9.00	-8.000	-8.00	B97-300	-8.000
	GC-INITIAL BEFORE EXPOSURE-1	1804.1	4/25/97	51.0	-8.00	-8.000	-8.000	-8.000	-9.00	-8.000	-8.00	B97-300	-8.000
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	-8.00	-8.000	0.149	0.116	-9.00	0.539	-8.00	B98-006	-8.000
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	-8.00	-8.000	-8.000	0.290	-9.00	1.310	-8.00	B98-006	-8.000
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	-8.00	-8.000	0.653	1.180	-9.00	0.520	-8.00	B98-006	-8.000
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.00	-8.000	0.114	-8.000	-9.00	0.457	-8.00	B98-006	-8.000
	GC-HOME CONTROL-1	1812.1	11/18/97	55.0	-8.00	-8.000	0.120	-8.000	-9.00	0.532	-8.00	B98-006	-8.000

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	PCB8	PCB15	PCB18	PCB27	PCB28	PCB29	PCB31	PCB44	PCB49	PCB52	PCB66
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	0.287	-8.000	0.282	-8.000	0.377	-9.000	0.328	0.095	0.270	0.547	0.181
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	0.148	-8.000	-8.000	-8.000	-8.000	-9.000	0.179	-8.000	0.125	0.101	-8.000
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	-9.000	0.498	-8.000	-8.000	-8.000	-8.000
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	0.208	-8.000	-8.000	-8.000	-8.000	-9.000	0.192	-8.000	-8.000	-8.000	-8.000
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	0.192	-8.000	0.707	-8.000	-8.000	-9.000	0.332	-8.000	-8.000	-8.000	-8.000
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	-9.000	0.124	-8.000	-8.000	-8.000	-8.000
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	-9.000	0.121	-8.000	-8.000	-8.000	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	-8.000	-8.000	0.315	-8.000	0.542	-9.000	0.457	0.138	0.367	0.657	0.486
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	0.134	-8.000	0.150	-8.000	0.804	-9.000	0.476	0.242	0.594	1.138	0.663
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.000	-8.000	-8.000	-8.000	-8.000	-9.000	0.152	-8.000	-8.000	-8.000	-8.000
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	1.030	0.261	0.418	-8.000	0.511	-8.000	0.288	0.178	0.619	1.530	1.100
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	0.417	0.774	0.678	-8.000	0.667	-8.000	0.192	0.189	0.738	0.962	1.290
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	-8.000	2.040	0.661	-8.000	1.400	-8.000	0.714	0.234	1.290	2.060	1.820
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.000	-8.000	-8.000	-8.000	0.171	-8.000	0.138	-8.000	-8.000	-8.000	-8.000
	GC- HOME CONTROL-1	1812.1	11/18/97	55.0	-8.000	-8.000	-8.000	-8.000	0.110	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	PCB70	PCB74	PCB87	PCB95	PCB97	PCB99	PCB101	PCB105	PCB110	PCB118
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	0.265	0.136	-9.000	0.374	0.134	0.292	0.640	0.186	0.599	0.571
20011.0	ISLAIS CREEK-1	1735.1	5/2/97	50.0	0.090	-8.000	-9.000	0.182	0.046	0.195	0.329	-8.000	0.164	0.134
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.065	-8.000	-8.000	-8.000	-8.000	0.162	-8.000
21011.0	PARADISE COVE- REFERENCE-1	1741.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.067	-8.000	0.052	0.075	-8.000	0.178	0.092
21308.0	WARM WATER COVE #2-1	1747.1	5/2/97	50.0	-8.000	-8.000	-9.000	0.064	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000
	GC-INITIAL BEFORE EXPOSURE-1	1802.1	5/2/97	50.0	-8.000	-8.000	-9.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000
	GC-HOME CONTROL-1	1803.1	5/2/97	50.0	0.092	-8.000	-9.000	0.100	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	0.427	0.309	-9.000	0.399	0.152	0.345	0.655	0.296	0.916	0.754
21310.0	SAN LEANDRO BAY- SITE 3-1	1755.1	5/23/97	51.0	0.826	0.473	-9.000	1.007	0.500	0.975	2.558	0.791	2.400	2.590
	GC-INITIAL BEFORE EXPOSURE-1	1804.1	4/25/97	51.0	-8.000	-8.000	-9.000	0.046	-8.000	0.017	-8.000	-8.000	-8.000	-8.000
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	1.470	0.610	-9.000	1.280	0.996	1.160	2.120	1.700	3.540	4.000
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	0.825	0.495	-9.000	1.200	0.778	1.490	2.710	1.150	2.970	3.270
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	1.680	1.150	-9.000	0.628	0.391	0.818	3.100	0.796	1.880	1.910
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.000	-8.000	-9.000	-8.000	0.051	-8.000	-8.000	-8.000	-8.000	0.192
	GC-HOME CONTROL-1	1812.1	11/18/97	55.0	-8.000	-8.000	-9.000	-8.000	-8.000	-8.000	-8.000	0.059	-8.000	0.159

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	PCB128	PCB132	PCB137	PCB138	PCB149	PCB151	PCB153	PCB156	PCB157
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	-8.000	0.178	-8.000	0.675	0.483	0.287	0.793	0.121	-8.000
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	-8.000	0.113	-8.000	0.337	0.332	0.196	0.544	0.026	-8.000
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	-8.000	-8.000	0.273	0.105	-8.000	-8.000	-8.000	-8.000
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	-8.000	-8.000	-8.000	0.470	0.198	0.132	0.332	-8.000	-8.000
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	0.132	0.138	-8.000	-8.000	-8.000
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	-8.000	0.231	-8.000	0.629	0.543	0.227	0.770	-8.000	-8.000
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	0.444	0.523	0.061	2.106	1.183	0.342	1.556	0.038	-8.000
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.000	-8.000	-8.000	-8.000	0.040	-8.000	-8.000	-8.000	-8.000
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	0.589	0.621	0.170	3.200	1.290	0.355	1.840	0.500	-8.000
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	0.520	0.714	0.097	4.590	2.150	0.885	2.750	-8.000	-8.000
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	0.154	0.444	0.073	1.080	0.717	0.440	0.952	0.098	-8.000
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.000	-8.000	-8.000	-8.000	-8.000	0.108	-8.000	-8.000	-8.000
	GC-HOME CONTROL-1	1812.1	11/18/97	55.0	-8.000	0.061	-8.000	-8.000	0.039	-8.000	0.144	-8.000	-8.000

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	PCBI58	PCBI70	PCBI74	PCBI77	PCBI80	PCBI83	PCBI87	PCBI89	PCBI94
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	0.039	-8.000	0.126	0.326	0.410	-8.000	0.173	-8.000	0.128
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	0.034	0.126	0.082	0.418	0.329	0.053	0.139	-8.000	0.041
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	-8.000	-8.000	0.111	0.356	-8.000	-8.000	-8.000	-8.000
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	0.054	-8.000	0.032	0.162	0.332	-8.000	0.086	-8.000	0.029
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	-8.000	-8.000	-8.000	0.140	0.312	-8.000	-8.000	-8.000	0.023
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.000	-8.000	-8.000	0.091	-8.000	-8.000	-8.000	0.165	-8.000
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.000	-8.000	-8.000	0.150	-8.000	-8.000	-8.000	-8.000	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	0.169	-8.000	0.100	0.315	0.533	-8.000	0.088	0.045	0.162
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	0.196	0.489	0.109	0.234	1.036	0.138	0.302	-8.000	0.130
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.000	-8.000	-8.000	0.148	0.097	-8.000	-8.000	-8.000	0.019
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	0.261	0.264	0.151	0.223	0.371	0.074	0.174	-8.000	-8.000
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	0.451	0.728	0.765	0.383	1.520	0.442	0.914	-8.000	-8.000
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	0.073	0.265	0.203	0.255	0.547	0.112	0.471	-8.000	0.061
	GC- INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.000	-8.000	0.198	0.527	0.116	-8.000	-8.000	-8.000	-8.000
	GC- HOME CONTROL-1	1812.1	11/18/97	55.0	-8.000	-8.000	0.147	0.090	-8.000	-8.000	-8.000	-8.000	-8.000

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	PCB95	PCB201	PCB203	PCB206	PCB209	PCBBATCH	ARO5460	ARO1248
21030.0	EAST CHINA BASIN-SITE 1- 1	1732.1	5/2/97	50.0	-8.000	0.071	0.064	-8.000	-8.000	B97-300	-9.000	-8.000
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	-8.000	0.053	0.061	-8.000	-8.000	B97-300	-9.000	-8.000
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	B97-300	-9.000	-8.000
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	B97-300	-9.000	-8.000
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	-8.000	0.026	-8.000	-8.000	-8.000	B97-300	-9.000	-8.000
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	B97-300	-9.000	-8.000
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.000	-8.000	-8.000	-8.000	-8.000	B97-300	-9.000	-8.000
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	-8.000	0.113	0.103	-8.000	-8.000	B97-300	-9.000	-8.000
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	-8.000	0.116	0.108	-8.000	-8.000	B97-300	-9.000	-8.000
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.000	-8.000	-8.000	-8.000	-8.000	B98-006	-9.000	-8.000
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	-8.000	-8.000	-8.000	-8.000	-8.000	B98-006	-9.000	-8.000
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	-8.000	0.247	0.242	0.174	0.344	B98-006	-9.000	-8.000
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	0.024	0.080	-8.000	0.053	0.218	B98-006	-9.000	-8.000
	GC- INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-8.000	-8.000	-8.000	-8.000	-8.000	B98-006	-9.000	-8.000
	GC- HOME CONTROL-1	1812.1	11/18/97	55.0	-8.000	-8.000	-8.000	-8.000	-8.000	B98-006	-9.000	-8.000

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	ARO1254	ARO1260	TTL_PCB	ACY	ACE	ANT	BAA	BAP	BBF	BKF	BGP	BEP
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	10.100	-8.000	11.434	-8.00	-8.00	1.93	3.76	1.27	2.85	1.05	-8.00	3.00
20011.0	ISLAIS CREEK- 1	1735.1	5/2/97	50.0	-8.000	5.054	6.174	-8.00	-8.00	0.44	0.54	-8.00	0.58	0.17	-8.00	0.41
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.000	-8.000	4.458	-8.00	-8.00	0.80	0.93	-8.00	1.15	0.34	-8.00	1.15
21011.0	PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	-8.000	-8.000	5.390	-8.00	-8.00	0.80	0.96	1.19	2.11	0.42	-8.00	1.70
21308.0	WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	-8.000	-8.000	5.422	-8.00	-8.00	0.80	1.70	-8.00	1.76	0.44	-8.00	1.51
	GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.000	-8.000	3.600	-8.00	-8.00	0.80	0.80	-8.00	0.80	0.80	-8.00	0.80
	GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.000	-8.000	3.600	-8.00	-8.00	0.80	0.80	-8.00	0.80	0.80	-8.00	0.80
21023.0	PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	12.577	-8.000	12.926	0.40	8.45	9.78	32.00	-8.00	31.27	9.64	5.99	18.80
21310.0	SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	30.497	-8.000	30.606	-8.00	-8.00	0.80	2.37	-8.00	7.02	2.11	2.62	5.68
	GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.000	-8.000	3.594	-8.00	-8.00	0.80	0.48	-8.00	0.37	0.18	-8.00	0.30
21401.0	ZENECA MARSH #1- 1	1795.1	11/18/97	55.0	44.100	-8.000	38.650	-8.00	0.69	0.65	2.11	1.39	7.10	4.37	1.13	4.82
21402.0	ZENECA MARSH #2- 1	1796.1	11/18/97	55.0	52.700	-8.000	45.946	2.84	1.99	9.79	16.00	22.10	30.90	28.80	4.54	18.20
21403.0	ZENECA MARSH #3- 1	1797.1	11/18/97	55.0	30.900	-8.000	31.690	-8.00	1.17	1.77	3.82	1.59	4.23	3.30	0.59	3.29
	GC- INITIAL BEFORE EXPOSURE- 1	1811.1	10/2/97	55.0	-8.000	-8.000	3.958	-8.00	0.50	0.24	0.54	-8.00	0.55	0.43	-8.00	0.49
	GC- HOME CONTROL- 1	1812.1	11/18/97	55.0	-8.000	-8.000	3.744	-8.00	0.57	0.80	0.14	-8.00	0.80	0.80	-8.00	0.80

Bivalve Tissue Chemistry

STANUM STATION	IDORG	DATE	LEG	BPH	CHR	COR	DBA	DBT	DMN	FLA	FLU	IND	MNPI	MNP2	MPH1	NPH
21030.0 EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	-8.00	3.86	-8.00	-8.00	1.32	7.52	19.80	-8.00	-8.00	1.89	2.66	4.36	2.13
20011.0 ISLAIS CREEK- 1	1735.1	5/2/97	50.0	-8.00	0.57	-8.00	-8.00	0.25	-8.00	4.65	0.32	-8.00	0.53	0.63	0.45	0.95
21006.0 PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-8.00	0.98	-8.00	-8.00	-8.00	-8.00	4.35	-8.00	-8.00	0.69	1.23	-8.00	2.19
21011.0 PARADISE COVE- REFERENCE- 1	1741.1	5/2/97	50.0	-8.00	0.64	-8.00	-8.00	-8.00	-8.00	4.19	-8.00	-8.00	-8.00	-8.00	-8.00	2.09
21308.0 WARM WATER COVE #2- 1	1747.1	5/2/97	50.0	-8.00	2.59	-8.00	-8.00	-8.00	-8.00	9.88	-8.00	-8.00	-8.00	-8.00	-8.00	1.42
GC-INITIAL BEFORE EXPOSURE- 1	1802.1	5/2/97	50.0	-8.00	-8.00	-8.00	-8.00	-8.00	-8.00	3.33	-8.00	-8.00	-8.00	-8.00	-8.00	4.37
GC-HOME CONTROL- 1	1803.1	5/2/97	50.0	-8.00	-8.00	-8.00	-8.00	-8.00	-8.00	3.16	-8.00	-8.00	-8.00	-8.00	-8.00	3.94
21023.0 PACIFIC DRYDOCK- YARD 1- 1	1753.1	5/23/97	51.0	1.12	44.90	-8.00	1.38	7.56	3.78	208.31	13.27	6.33	1.24	1.26	16.03	1.54
21310.0 SAN LEANDRO BAY- SITE 3- 1	1755.1	5/23/97	51.0	-8.00	2.98	-8.00	0.28	-8.00	-8.00	8.15	-8.00	2.38	-8.00	-8.00	-8.00	1.74
GC-INITIAL BEFORE EXPOSURE- 1	1804.1	4/25/97	51.0	-8.00	0.61	-8.00	-8.00	-8.00	-8.00	3.20	-8.00	-8.00	0.74	1.37	-8.00	1.08
21401.0 ZENECA MARSH #1-1	1795.1	11/18/97	55.0	0.32	11.00	-8.00	0.35	0.46	0.39	23.60	0.75	1.18	0.41	0.55	0.83	0.92
21402.0 ZENECA MARSH #2-1	1796.1	11/18/97	55.0	0.70	29.90	-8.00	1.64	0.60	1.79	28.80	1.43	4.85	1.65	2.64	1.40	2.41
21403.0 ZENECA MARSH #3-1	1797.1	11/18/97	55.0	0.57	6.77	-8.00	-8.00	0.84	-8.00	39.00	0.80	0.49	0.35	0.42	0.64	0.58
GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	0.26	1.39	-8.00	-8.00	-8.00	0.21	7.55	0.39	-8.00	0.77	0.61	0.42	0.82
GC- HOME CONTROL-1	1812.1	11/18/97	55.0	-8.00	0.70	-8.00	-8.00	-8.00	0.26	1.51	0.28	-8.00	-8.00	0.50	0.30	0.76

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	PHN	PER	PYR	TMN	TRY	PAHBATCH	SODATAQA	BENZENE	TOLUENE
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	10.15	-8.00	21.56	8.08	-9.00	B97-300	-5	-9.00	-9.00
20011.0	ISLAIS CREEK-1	1735.1	5/2/97	50.0	2.03	0.28	5.11	-8.00	-9.00	B97-300	-5	-9.00	-9.00
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	1.16	0.62	5.83	-8.00	-9.00	B97-300	-5	-9.00	-9.00
21011.0	PARADISE COVE- REFERENCE-1	1741.1	5/2/97	50.0	1.68	0.92	4.82	-8.00	-9.00	B97-300	-5	-9.00	-9.00
21308.0	WARM WATER COVE #2-1	1747.1	5/2/97	50.0	5.81	-8.00	8.93	-8.00	-9.00	B97-300	-5	-9.00	-9.00
	GC-INITIAL BEFORE EXPOSURE-1	1802.1	5/2/97	50.0	2.27	-8.00	2.53	-8.00	-9.00	B97-300	-5	-9.00	-9.00
	GC-HOME CONTROL-1	1803.1	5/2/97	50.0	-8.00	-8.00	3.18	-8.00	-9.00	B97-300	-5	-9.00	-9.00
21023.0	PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	11.98	-8.00	162.25	4.92	-9.00	B97-300	-5	-9.00	-9.00
21310.0	SAN LEANDRO BAY- SITE 3-1	1755.1	5/23/97	51.0	1.66	-8.00	12.16	-8.00	-9.00	B97-300	-5	-9.00	-9.00
	GC-INITIAL BEFORE EXPOSURE-1	1804.1	4/25/97	51.0	1.20	-8.00	1.45	-8.00	-9.00	B97-300	-5	-9.00	-9.00
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	4.50	0.60	16.00	-8.00	-9.00	B98-006	-5	-9.00	-9.00
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	7.20	5.23	26.30	-8.00	-9.00	B98-006	-5	-9.00	-9.00
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	2.12	0.80	35.70	-8.00	-9.00	B98-006	-5	-9.00	-9.00
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	1.62	0.44	3.68	-8.00	-9.00	B98-006	-5	-9.00	-9.00
	GC-HOME CONTROL-1	1812.1	11/18/97	55.0	0.71	-8.00	1.51	-8.00	-9.00	B98-006	-5	-9.00	-9.00

Bivalve Tissue Chemistry

STANUM	STATION	IDORG	DATE	LEG	ETHBENZENE	XYLENES	TPH	DIESEL
21030.0	EAST CHINA BASIN-SITE 1-1	1732.1	5/2/97	50.0	-9.00	-9.00	-9.00	-9.00
20011.0	ISLAIS CREEK-1	1735.1	5/2/97	50.0	-9.00	-9.00	-9.00	-9.00
21006.0	PEYTON SLOUGH- UPPER SITE 2-	1738.1	5/2/97	50.0	-9.00	-9.00	-9.00	-9.00
21011.0	PARADISE COVE- REFERENCE-1	1741.1	5/2/97	50.0	-9.00	-9.00	-9.00	-9.00
21308.0	WARM WATER COVE #2-1	1747.1	5/2/97	50.0	-9.00	-9.00	-9.00	-9.00
	GC-INITIAL BEFORE EXPOSURE-1	1802.1	5/2/97	50.0	-9.00	-9.00	-9.00	-9.00
	GC-HOME CONTROL-1	1803.1	5/2/97	50.0	-9.00	-9.00	-9.00	-9.00
21023.0	PACIFIC DRYDOCK- YARD 1-1	1753.1	5/23/97	51.0	-9.00	-9.00	-9.00	-9.00
21310.0	SAN LEANDRO BAY- SITE 3-1	1755.1	5/23/97	51.0	-9.00	-9.00	-9.00	-9.00
	GC-INITIAL BEFORE EXPOSURE-1	1804.1	4/25/97	51.0	-9.00	-9.00	-9.00	-9.00
21401.0	ZENECA MARSH #1-1	1795.1	11/18/97	55.0	-9.00	-9.00	-9.00	-9.00
21402.0	ZENECA MARSH #2-1	1796.1	11/18/97	55.0	-9.00	-9.00	-9.00	-9.00
21403.0	ZENECA MARSH #3-1	1797.1	11/18/97	55.0	-9.00	-9.00	-9.00	-9.00
	GC-INITIAL BEFORE EXPOSURE-1	1811.1	10/2/97	55.0	-9.00	-9.00	-9.00	-9.00
	GC-HOME CONTROL-1	1812.1	11/18/97	55.0	-9.00	-9.00	-9.00	-9.00

Appendix D

Sediment Grain Size and Total Organic Carbon Analyses

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LEG	FINES	FINEBATCH	FINEDATAQC	COARSESD	FINESAND	COARSEST	FINESILT
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	95.13	35	-4	-9.00	-9.00	-9.00	-9.00
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	94.81	35	-4	-9.00	-9.00	-9.00	-9.00
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	95.39	35	-4	-9.00	-9.00	-9.00	-9.00
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	99.63	35	-4	-9.00	-9.00	-9.00	-9.00
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	99.44	35	-4	-9.00	-9.00	-9.00	-9.00
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	99.24	35	-4	-9.00	-9.00	-9.00	-9.00
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	99.43	35	-4	-9.00	-9.00	-9.00	-9.00
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	98.97	35	-4	-9.00	-9.00	-9.00	-9.00
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	99.03	35	-4	-9.00	-9.00	-9.00	-9.00
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	98.79	35	-4	-9.00	-9.00	-9.00	-9.00
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	98.92	35	-4	-9.00	-9.00	-9.00	-9.00
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	97.12	35	-4	-9.00	-9.00	-9.00	-9.00
20010.0	CASTRO COVE-EVS04	1410	9/8/94	35.0	97.76	35	-4	-9.00	-9.00	-9.00	-9.00
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	87.67	35	-4	-9.00	-9.00	-9.00	-9.00
21021.0	OAKLAND INNER HBR.-TODD SHIPYD	1498	4/18/95	38.0	99.20	38	-4	-9.00	-9.00	-9.00	-9.00
21022.0	OAKLAND INNER HBR.-SCHNITZER	1499	4/18/95	38.0	90.55	38	-4	-9.00	-9.00	-9.00	-9.00
21023.0	PACIFIC DRYDOCK YARD 1	1500	4/18/95	38.0	67.69	38	-4	-9.00	-9.00	-9.00	-9.00
21024.0	PACIFIC DRYDOCK YARD 2	1501	4/17/95	38.0	67.69	38	-4	-9.00	-9.00	-9.00	-9.00
21025.0	NORTH GOVERNMENT ISLAND	1502	4/17/95	38.0	83.95	38	-4	-9.00	-9.00	-9.00	-9.00
21026.0	OAKLAND-FRUITVALE	1503	4/18/95	38.0	30.88	38	-4	-9.00	-9.00	-9.00	-9.00
21027.0	SAN LEANDRO BAY-SITE 1	1504	4/18/95	38.0	90.31	38	-4	-9.00	-9.00	-9.00	-9.00
21028.0	SAN LEANDRO BAY-SITE 2	1505	4/18/95	38.0	97.43	38	-4	-9.00	-9.00	-9.00	-9.00
21032.0	POTRERO POINT-WARM WATER COVE	1509	5/1/95	38.0	78.05	38	-4	-9.00	-9.00	-9.00	-9.00
21033.0	NORTH INDIA BASIN-SITE 1	1510	4/17/95	38.0	76.62	38	-4	-9.00	-9.00	-9.00	-9.00
21034.0	SOUTH INDIA BASIN-SITE 2	1511	4/18/95	38.0	98.34	38	-4	-9.00	-9.00	-9.00	-9.00
21035.0	SIERRA POINT	1512	4/17/95	38.0	81.43	38	-4	-9.00	-9.00	-9.00	-9.00
21036.0	OYSTER POINT (WEST)-SITE 1	1513	4/17/95	38.0	99.48	38	-4	-9.00	-9.00	-9.00	-9.00
21037.0	OYSTER POINT (EAST)-SITE 2	1514	4/17/95	38.0	69.18	38	-4	-9.00	-9.00	-9.00	-9.00
21038.0	SAN BRUNO CHANNEL	1515	4/17/95	38.0	61.77	38	-4	-9.00	-9.00	-9.00	-9.00
21039.0	STEINBERGER SLOUGH-NR MOUTH	1516	4/18/95	38.0	97.28	38	-4	-9.00	-9.00	-9.00	-9.00
21040.0	STEINBERGER SLOUGH-NR FREEWAY	1517	4/18/95	38.0	24.25	38	-4	-9.00	-9.00	-9.00	-9.00
21041.0	GUADALUPE SLOUGH	1518	4/19/95	38.0	76.14	38	-4	-9.00	-9.00	-9.00	-9.00
21042.0	MAYFIELD SLOUGH-NR COOLEY LDNG	1519	4/18/95	38.0	91.45	38	-4	-9.00	-9.00	-9.00	-9.00
21043.0	MAYFIELD SLOUGH-NEAR SAND PT.	1520	4/18/95	38.0	97.02	38	-4	-9.00	-9.00	-9.00	-9.00
20013.0	NORTH-SOUTH BAY-REFERENCE	1521	4/18/95	38.0	51.14	38	-4	-9.00	-9.00	-9.00	-9.00
20014.0	SOUTH-SOUTH BAY-REFERENCE	1522	4/18/95	38.0	80.42	38	-4	-9.00	-9.00	-9.00	-9.00
21046.0	MOWRY SLOUGH	1523	4/19/95	38.0	99.73	38	-4	-9.00	-9.00	-9.00	-9.00
21047.0	COYOTE SLOUGH-@FIXED R/R BRIDG	1524	4/19/95	38.0	98.88	38	-4	-9.00	-9.00	-9.00	-9.00
21001.0	NORTH RESERVE FLEET-SUISUN	1478	5/1/95	39.0	99.38	39	-4	-9.00	-9.00	-9.00	-9.00

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LEG	FINES	FINEBATCH	FINEDATAQC	COARSESD	FINESAND	COARSESIILT	FINESIILT
21002.0	SOUTH RESERVE FLEET-SUISUN	1479	5/1/95	39.0	99.22	39	-4	-9.00	-9.00	-9.00	-9.00
21003.0	PACHECO CR-NEAR MOUTH-SITE 1	1480	5/1/95	39.0	59.15	39	-4	-9.00	-9.00	-9.00	-9.00
21004.0	PACHECO CR-ABOVE BRIDGE-SITE 2	1481	5/1/95	39.0	72.35	39	-4	-9.00	-9.00	-9.00	-9.00
21005.0	PEYTON SLOUGH-MOUTH-SITE 1	1482	5/1/95	39.0	64.30	39	-4	-9.00	-9.00	-9.00	-9.00
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1483	5/1/95	39.0	89.70	39	-4	-9.00	-9.00	-9.00	-9.00
21007.0	VALLEJO-MARE ISLAND-NORTH SIDE	1484	5/2/95	39.0	98.16	39	-4	-9.00	-9.00	-9.00	-9.00
21008.0	VALLEJO-MARE IS-SHIP ANCHORAGE	1485	5/2/95	39.0	96.99	39	-4	-9.00	-9.00	-9.00	-9.00
20007.0	SAN PABLO BAY-IS. #1 REFERENCE	1486	5/2/95	39.0	98.82	39	-4	-9.00	-9.00	-9.00	-9.00
21010.0	SAN PABLO BAY- HAMILTON	1487	5/2/95	39.0	95.63	39	-4	-9.00	-9.00	-9.00	-9.00
20095.0	PARADISE COVE- REFERENCE	1488	5/1/95	39.0	96.39	39	-4	-9.00	-9.00	-9.00	-9.00
21012.0	CASTRO COVE	1489	5/1/95	39.0	98.97	39	-4	-9.00	-9.00	-9.00	-9.00
21013.0	POINT PORTRERO- SITE 1	1490	5/1/95	39.0	41.64	39	-4	-9.00	-9.00	-9.00	-9.00
21014.0	POINT PORTRERO- SITE 2	1491	5/1/95	39.0	99.37	39	-4	-9.00	-9.00	-9.00	-9.00
21015.0	SANTA FE CHANNEL- END	1492	5/1/95	39.0	99.72	39	-4	-9.00	-9.00	-9.00	-9.00
21016.0	RICHMOND HARBOR	1493	5/1/95	39.0	99.46	39	-4	-9.00	-9.00	-9.00	-9.00
21017.0	RICHMOND INNER HBR.-HOFFMAN MR	1494	5/1/95	39.0	45.39	39	-4	-9.00	-9.00	-9.00	-9.00
21018.0	CERRITO CREEK MOUTH	1495	5/1/95	39.0	91.67	39	-4	-9.00	-9.00	-9.00	-9.00
21019.0	CORDORNICES CREEK MOUTH	1496	5/1/95	39.0	79.33	39	-4	-9.00	-9.00	-9.00	-9.00
21020.0	EMERYVILLE MARSH	1497	5/1/95	39.0	31.60	39	-4	-9.00	-9.00	-9.00	-9.00
21029.0	SAN FRANCISCO- PIER 7	1506	5/1/95	39.0	98.83	39	-4	-9.00	-9.00	-9.00	-9.00
21030.0	MISSION CREEK- SITE 1	1507	5/1/95	39.0	7.22	39	-4	-9.00	-9.00	-9.00	-9.00
21031.0	MISSION CREEK- SITE 2	1508	5/2/95	39.0	97.72	39	-4	-9.00	-9.00	-9.00	-9.00
21049.0	DOW CHEMICAL- KIRKER CREEK	1529	10/27/95	40.0	86.50	40	-4	-9.00	-9.00	-9.00	-9.00
21050.0	GRIZZLY BAY- RMP BF20	1530	10/27/95	40.0	94.74	40	-4	-9.00	-9.00	-9.00	-9.00
21051.0	BOYNTON SLOUGH- MF10	1531	10/28/95	40.0	84.89	40	-4	-9.00	-9.00	-9.00	-9.00
21052.0	HILL SLOUGH- MF21	1532	10/28/95	40.0	44.27	40	-4	-9.00	-9.00	-9.00	-9.00
21053.0	SUISUN SLOUGH	1533	10/27/95	40.0	99.80	40	-4	-9.00	-9.00	-9.00	-9.00
21054.0	CHADBORNE SLOUGH- MF13	1534	10/27/95	40.0	92.72	40	-4	-9.00	-9.00	-9.00	-9.00
21055.0	SEMPLE POINT-M.W. VA-7	1535	10/27/95	40.0	63.78	40	-4	-9.00	-9.00	-9.00	-9.00
21056.0	SELBY - S2	1536	10/27/95	40.0	57.91	40	-4	-9.00	-9.00	-9.00	-9.00
21058.0	PG&E-VALLEJO-COAL GAS PLANT	1538	10/27/95	40.0	70.00	40	-4	-9.00	-9.00	-9.00	-9.00
21059.0	PETALUMA RIVER MOUTH- BID20	1539	10/26/95	40.0	96.72	40	-4	-9.00	-9.00	-9.00	-9.00
21060.0	MILLER CREEK- MD10	1540	10/26/95	40.0	48.13	40	-4	-9.00	-9.00	-9.00	-9.00
21061.0	MILLER CREEK- MD11	1541	10/26/95	40.0	99.96	40	-4	-9.00	-9.00	-9.00	-9.00
21062.0	GALLINAS CREEK- MD20	1542	10/26/95	40.0	99.63	40	-4	-9.00	-9.00	-9.00	-9.00
21063.0	NOVATO CREEK- MD21	1543	10/26/95	40.0	99.69	40	-4	-9.00	-9.00	-9.00	-9.00
21064.0	TOLAY CREEK MOUTH- MD31	1544	10/26/95	40.0	99.67	40	-4	-9.00	-9.00	-9.00	-9.00
21065.0	SONOMA CREEK- MD33	1545	10/26/95	40.0	99.74	40	-4	-9.00	-9.00	-9.00	-9.00
21066.0	NAPA SLOUGH- MD32	1546	10/26/95	40.0	99.99	40	-4	-9.00	-9.00	-9.00	-9.00

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LEG	FINES	FINEBATCH	FINEDATAQC	COARSEAND	FINESAND	COARSESLT	FINESILT
21067.0	RICHMOND ROD AND GUN	1547	10/26/95	40.0	90.64	40	-4	-9.00	-9.00	-9.00	-9.00
21068.0	SILVA ISLAND MARSH - MC61	1548	10/25/95	40.0	52.68	40	-4	-9.00	-9.00	-9.00	-9.00
21069.0	SAUSALITO HARBOR - ANDERSON B. Y.	1549	10/26/95	40.0	99.66	40	-4	-9.00	-9.00	-9.00	-9.00
20006.0	SAN PABLO BAY - TUBBS IS. - REP #1	1551	10/26/95	40.0	99.60	40	-4	-9.00	-9.00	-9.00	-9.00
20005.0	PARADISE COVE - REP #1	1552	10/26/95	40.0	95.71	40	-4	-9.00	-9.00	-9.00	-9.00
21057.0	LAKE MERRIT - MW #307.5	1537	12/7/95	41.0	19.42	41	-4	-9.00	-9.00	-9.00	-9.00
21070.0	YERBA BUENA ISLAND - NAVAL STN	1550	12/7/95	41.0	50.64	41	-4	-9.00	-9.00	-9.00	-9.00
21071.0	TREASURE ISLAND - CLIPPER COVE	1553	12/7/95	41.0	92.59	41	-4	-9.00	-9.00	-9.00	-9.00
21072.0	CORTE MADERA MARSH - MC51	1554	12/5/95	41.0	92.44	41	-4	-9.00	-9.00	-9.00	-9.00
21073.0	SANSOME STREET CSO - PIER 31	1555	12/6/95	41.0	84.13	41	-4	-9.00	-9.00	-9.00	-9.00
21074.0	HOWARD STREET CSO	1556	12/6/95	41.0	71.10	41	-4	-9.00	-9.00	-9.00	-9.00
21075.0	BRANNAN STREET CSO - PIER 32	1557	12/6/95	41.0	89.16	41	-4	-9.00	-9.00	-9.00	-9.00
21076.0	CENTRAL BASIN - INNER	1558	12/6/95	41.0	87.66	41	-4	-9.00	-9.00	-9.00	-9.00
21077.0	CENTRAL BASIN - OUTER	1559	12/6/95	41.0	94.88	41	-4	-9.00	-9.00	-9.00	-9.00
21079.0	GASHOUSE COVE - LAGUNA ST. CSO	1561	12/7/95	41.0	97.62	41	-4	-9.00	-9.00	-9.00	-9.00
21080.0	PACIFIC DRYDOCK - I-T4	1562	12/7/95	41.0	77.95	41	-4	-9.00	-9.00	-9.00	-9.00
21081.0	PACIFIC DRYDOCK - PPD #3	1563	12/7/95	41.0	44.86	41	-4	-9.00	-9.00	-9.00	-9.00
21082.0	S.F. AIRPORT - SEAPLANE HARBOR	1564	12/6/95	41.0	52.01	41	-4	-9.00	-9.00	-9.00	-9.00
21083.0	S.F. AIRPORT - CENTRAL	1565	12/6/95	41.0	36.54	41	-4	-9.00	-9.00	-9.00	-9.00
21084.0	S.F. AIRPORT - SOUTH	1566	12/6/95	41.0	97.17	41	-4	-9.00	-9.00	-9.00	-9.00
21085.0	REDWOOD CREEK - BA40	1567	12/5/95	41.0	95.47	41	-4	-9.00	-9.00	-9.00	-9.00
21086.0	REDWOOD CREEK - WEST	1568	12/6/95	41.0	82.35	41	-4	-9.00	-9.00	-9.00	-9.00
21087.0	COYOTE CREEK - CX	1569	12/5/95	41.0	93.21	41	-4	-9.00	-9.00	-9.00	-9.00
21088.0	ALVISO SLOUGH	1570	12/5/95	41.0	97.46	41	-4	-9.00	-9.00	-9.00	-9.00
21089.0	RAVENSWOOD SLOUGH - WEST	1571	12/5/95	41.0	36.64	41	-4	-9.00	-9.00	-9.00	-9.00
21090.0	SOUTH BAY BASIN - BA20	1572	12/5/95	41.0	90.62	41	-4	-9.00	-9.00	-9.00	-9.00
21091.0	DUMBARTON BRIDGE - BA30	1573	12/5/95	41.0	86.33	41	-4	-9.00	-9.00	-9.00	-9.00
20013.0	NORTH SOUTH BAY - REP I	1574	12/6/95	41.0	29.32	41	-4	-9.00	-9.00	-9.00	-9.00
20014.0	SOUTH SOUTH BAY - REP I	1575	12/6/95	41.0	59.25	41	-4	-9.00	-9.00	-9.00	-9.00
20008.0	BOLINAS LAGOON	1576	12/5/95	41.0	96.03	41	-4	-9.00	-9.00	-9.00	-9.00
21092.0	SOUTH BASIN - YOSEMITE CRK CSO	1577	12/6/95	41.0	86.01	41	-4	-9.00	-9.00	-9.00	-9.00
21062.0	GALLINAS CREEK - MD20	1613	6/10/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21065.0	SONOMA CREEK - MD33	1614	6/11/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21054.0	CHADBORNE SLOUGH - MF13	1615	6/11/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21068.0	SILVA ISLAND MARSH - MC61	1616	6/10/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21061.0	MILLER CREEK - MD11	1617	6/10/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21063.0	NOVATO CREEK - MD21	1618	6/11/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21069.0	SAUSALITO HARBOR - ANDERSON B. Y.	1619	6/10/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21088.0	ALVISO SLOUGH	1620	6/10/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LBG	FINES	FINEBATCH	FINEDATAQC	COARSEASAND	FINESAND	COARSESLT	FINESILT
21085.0	REDWOOD CREEK BA40	1621	6/10/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
20006.0	SAN PABLO BAY-TUBBS IS. REP 1	1622	6/11/96	44.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21030.0	MISSION CREEK- SITE 1	1732	4/1/97	50.0	26.44	B97141	-4	0.00	73.56	2.47	19.60
21301.0	MISSION CREEK- MID GRADIENT	1733	4/1/97	50.0	100.00	B97141	-4	0.00	0.00	0.00	58.99
21302.0	MISSION CREEK- END GRADIENT	1734	4/1/97	50.0	100.00	B97141	-4	0.00	0.00	0.00	49.80
20011.0	ISLAIS CREEK	1735	4/1/97	50.0	38.70	B97141	-4	7.08	54.22	0.00	28.67
21303.0	ISLAIS CREEK- MID GRADIENT	1736	4/1/97	50.0	100.00	B97141	-4	0.00	0.00	3.73	71.76
21304.0	ISLAIS CREEK- END GRADIENT	1737	4/1/97	50.0	100.00	B97141	-4	0.00	0.00	2.70	70.93
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1738	4/2/97	50.0	43.36	B97141	-4	17.39	39.26	1.97	26.93
21305.0	PEYTON SLOUGH- MID GRADIENT	1739	4/2/97	50.0	100.00	B97141	-4	0.00	0.00	3.74	60.60
21306.0	PEYTON SLOUGH- END GRADIENT	1740	4/2/97	50.0	100.00	B97141	-4	0.00	0.00	3.26	51.80
20005.0	PARADISE COVE- REFERENCE	1741	4/3/97	50.0	100.00	B97141	-4	0.00	0.00	11.71	50.16
21029.0	SAN FRANCISCO- PIER 7	1742	4/1/97	50.0	100.00	B97141	-4	0.00	0.00	14.42	44.29
21074.0	HOWARD STREET CSO	1744	4/1/97	50.0	77.30	B97141	-4	0.19	22.51	22.82	34.82
21076.0	CENTRAL BASIN - INNER	1745	4/1/97	50.0	100.00	B97141	-4	0.00	0.00	5.35	52.17
21307.0	WALDO POINT	1746	4/2/97	50.0	100.00	B97141	-4	0.00	0.00	6.79	66.75
21308.0	WARM WATER COVE #2	1747	4/1/97	50.0	100.00	B97141	-4	0.00	0.00	2.52	40.81
20013.0	N. SOUTH BAY- REP #1	1749	4/16/97	51.0	46.15	B97182	-4	0.00	53.85	2.36	24.98
20007.0	SAN PABLO BAY-ISLAND #1- REP 1	1750	4/15/97	51.0	100.00	B97182	-4	0.00	0.00	6.19	64.47
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	100.00	B97182	-4	0.00	0.00	4.30	50.56
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	100.00	B97182	-4	0.00	0.00	4.21	54.50
21023.0	PACIFIC DRYDOCK - YARD 1	1753	4/15/97	51.0	71.07	B97182	-4	0.00	28.93	10.53	47.74
21026.0	OAKLAND-FRUITVALE	1754	4/15/97	51.0	71.59	B97182	-4	2.06	26.35	2.73	32.39
21310.0	SAN LEANDRO BAY-SITE 3	1755	4/17/97	51.0	80.68	B97182	-4	0.00	19.32	6.97	41.34
21311.0	SAN LEANDRO BAY-SITE 4	1756	4/17/97	51.0	87.99	B97182	-4	0.00	12.01	12.07	45.94
21312.0	SAN LEANDRO BAY-SITE 5	1757	4/17/97	51.0	85.37	B97182	-4	0.00	14.63	10.01	52.79
21313.0	SAN LEANDRO BAY-SITE 6	1758	4/17/97	51.0	93.42	B97182	-4	0.00	6.58	7.55	50.83
21314.0	SAN LEANDRO BAY-SITE 7	1759	4/16/97	51.0	72.86	B97182	-4	0.00	27.14	9.90	45.49
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	99.98	B97182	-4	0.00	0.02	7.84	73.13
21056.0	SELBY - S2	1761	4/15/97	51.0	63.92	B97182	-4	0.00	36.08	7.29	37.84
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	91.97	B97337	-4	1.57	6.46	6.20	72.78
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	93.77	B97337	-4	1.98	4.25	4.13	54.94
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	98.97	B97337	-4	0.00	1.03	4.46	59.65
21404.0	CARLSON CREEK REFERENCE	1798	10/6/97	55.0	93.06	B97337	-4	0.26	6.68	11.20	54.14
21401.0	ZENECA MARSH #1	1799	12/3/97	56.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21402.0	ZENECA MARSH #2	1800	12/3/97	56.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00
21404.0	CARLSON CREEK REFERENCE	1801	12/3/97	56.0	-9.00	-9	-9	-9.00	-9.00	-9.00	-9.00

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LEG	CLAY	EXPANDEDQC	TOC	TOCBATCH	TOCDATAQC	DOC
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	-9.00	-9	1.24	35	-4	-9
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	-9.00	-9	1.16	35	-4	-9
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	-9.00	-9	1.23	35	-4	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	-9.00	-9	1.37	35	-4	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	-9.00	-9	1.47	35	-4	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	-9.00	-9	1.40	35	-4	-9
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	-9.00	-9	0.98	35	-4	-9
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	-9.00	-9	0.95	35	-4	-9
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	-9.00	-9	1.03	35	-4	-9
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	-9.00	-9	2.34	35	-4	-9
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	-9.00	-9	2.31	35	-4	-9
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	-9.00	-9	2.31	35	-4	-9
20010.0	CASTRO COVE-EVSO4	1410	9/8/94	35.0	-9.00	-9	1.43	35	-4	-9
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	-9.00	-9	4.32	35	-4	-9
21021.0	OAKLAND INNER HBR.-TODD SHIPYD	1498	4/18/95	38.0	-9.00	-9	1.98	38	-4	-9
21022.0	OAKLAND INNER HBR.-SCHNITZER	1499	4/18/95	38.0	-9.00	-9	1.77	38	-4	-9
21023.0	PACIFIC DRYDOCK YARD 1	1500	4/18/95	38.0	-9.00	-9	5.42	38	-4	-9
21024.0	PACIFIC DRYDOCK YARD 2	1501	4/17/95	38.0	-9.00	-9	5.42	38	-4	-9
21025.0	NORTH GOVERNMENT ISLAND	1502	4/17/95	38.0	-9.00	-9	2.02	38	-4	-9
21026.0	OAKLAND-FRUITVALE	1503	4/18/95	38.0	-9.00	-9	3.21	38	-4	-9
21027.0	SAN LEANDRO BAY-SITE 1	1504	4/18/95	38.0	-9.00	-9	6.02	38	-4	-9
21028.0	SAN LEANDRO BAY-SITE 2	1505	4/18/95	38.0	-9.00	-9	3.62	38	-4	-9
21032.0	POTERO POINT-WARM WATER COVE	1509	5/1/95	38.0	-9.00	-9	1.36	38	-4	-9
21033.0	NORTH INDIA BASIN-SITE 1	1510	4/17/95	38.0	-9.00	-9	1.14	38	-4	-9
21034.0	SOUTH INDIA BASIN-SITE 2	1511	4/18/95	38.0	-9.00	-9	1.84	38	-4	-9
21035.0	SIERRA POINT	1512	4/17/95	38.0	-9.00	-9	1.27	38	-4	-9
21036.0	OYSTER POINT (WEST)-SITE 1	1513	4/17/95	38.0	-9.00	-9	1.90	38	-4	-9
21037.0	OYSTER POINT (EAST)-SITE 2	1514	4/17/95	38.0	-9.00	-9	1.40	38	-4	-9
21038.0	SAN BRUNO CHANNEL	1515	4/17/95	38.0	-9.00	-9	1.57	38	-4	-9
21039.0	STEINBERGER SLOUGH-NR MOUTH	1516	4/18/95	38.0	-9.00	-9	1.39	38	-4	-9
21040.0	STEINBERGER SLOUGH-NR FREEWAY	1517	4/18/95	38.0	-9.00	-9	2.04	38	-4	-9
21041.0	GUADALUPE SLOUGH	1518	4/19/95	38.0	-9.00	-9	2.24	38	-4	-9
21042.0	MAYFIELD SLOUGH-NR COOLEY LDNG	1519	4/18/95	38.0	-9.00	-9	1.36	38	-4	-9
21043.0	MAYFIELD SLOUGH-NR SAND PT.	1520	4/18/95	38.0	-9.00	-9	1.65	38	-4	-9
20013.0	NORTH-SOUTH BAY-REFERENCE	1521	4/18/95	38.0	-9.00	-9	0.74	38	-4	-9
20014.0	SOUTH-SOUTH BAY-REFERENCE	1522	4/18/95	38.0	-9.00	-9	0.70	38	-4	-9
21046.0	MOWRY SLOUGH	1523	4/19/95	38.0	-9.00	-9	1.68	38	-4	-9
21047.0	COYOTE SLOUGH-@FIXED R/R BRIDG	1524	4/19/95	38.0	-9.00	-9	1.97	38	-4	-9
21001.0	NORTH RESERVE FLEET-SUISUN	1478	5/1/95	39.0	-9.00	-9	1.44	39	-4	-9

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LEG	CLAY	EXPANDEDQC	TOC	TOCBATCH	TOCDATAQC	DOC
21002.0	SOUTH RESERVE FLEET-SUISUN	1479	5/1/95	39.0	-9.00	-9	1.60	39	-4	-9
21003.0	PACHICO CR-NEAR MOUTH-SITE 1	1480	5/1/95	39.0	-9.00	-9	0.95	39	-4	-9
21004.0	PACHICO CR-ABOVE BRIDGE-SITE 2	1481	5/1/95	39.0	-9.00	-9	1.32	39	-4	-9
21005.0	PEYTON SLOUGH-MOUTH-SITE 1	1482	5/1/95	39.0	-9.00	-9	1.50	39	-4	-9
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1483	5/1/95	39.0	-9.00	-9	4.01	39	-4	-9
21007.0	VALLEJO-MARE ISLAND-NORTH SIDE	1484	5/2/95	39.0	-9.00	-9	1.54	39	-4	-9
21008.0	VALLEJO-MARE IS-SHIP ANCHORAGE	1485	5/2/95	39.0	-9.00	-9	1.52	39	-4	-9
20007.0	SAN PABLO BAY-IS. #1 REFERENCE	1486	5/2/95	39.0	-9.00	-9	0.66	39	-4	-9
21010.0	SAN PABLO BAY- HAMILTON	1487	5/2/95	39.0	-9.00	-9	1.58	39	-4	-9
20005.0	PARADISE COVE- REFERENCE	1488	5/1/95	39.0	-9.00	-9	1.12	39	-4	-9
21012.0	CASTRO COVE	1489	5/1/95	39.0	-9.00	-9	2.90	39	-4	-9
21013.0	POINT PORTRERO- SITE 1	1490	5/1/95	39.0	-9.00	-9	3.44	39	-4	-9
21014.0	POINT PORTRERO- SITE 2	1491	5/1/95	39.0	-9.00	-9	1.56	39	-4	-9
21015.0	SANTA FE CHANNEL- END	1492	5/1/95	39.0	-9.00	-9	1.61	39	-4	-9
21016.0	RICHMOND HARBOR	1493	5/1/95	39.0	-9.00	-9	1.61	39	-4	-9
21017.0	RICHMOND INNER HBR.- HOFFMAN MR	1494	5/1/95	39.0	-9.00	-9	0.50	39	-4	-9
21018.0	CERRITO CREEK MOUTH	1495	5/1/95	39.0	-9.00	-9	2.72	39	-4	-9
21019.0	CORDORNICES CREEK MOUTH	1496	5/1/95	39.0	-9.00	-9	3.03	39	-4	-9
21020.0	EMERYVILLE MARSH	1497	5/1/95	39.0	-9.00	-9	0.69	39	-4	-9
21029.0	SAN FRANCISCO- PIER 7	1506	5/1/95	39.0	-9.00	-9	1.52	39	-4	-9
21030.0	MISSION CREEK- SITE 1	1507	5/1/95	39.0	-9.00	-9	1.02	39	-4	-9
21031.0	MISSION CREEK- SITE 2	1508	5/2/95	39.0	-9.00	-9	1.44	39	-4	-9
21049.0	DOW CHEMICAL- KIRKER CREEK	1529	10/27/95	40.0	-9.00	-9	2.71	40	-4	-9
21050.0	GRIZZLY BAY- RMP BF20	1530	10/27/95	40.0	-9.00	-9	1.65	40	-4	-9
21051.0	BOYNTON SLOUGH- MF10	1531	10/28/95	40.0	-9.00	-9	5.93	40	-4	-9
21052.0	HILL SLOUGH- MF21	1532	10/28/95	40.0	-9.00	-9	2.05	40	-4	-9
21053.0	SUISUN SLOUGH	1533	10/27/95	40.0	-9.00	-9	1.90	40	-4	-9
21054.0	CHADBORNE SLOUGH- MF13	1534	10/27/95	40.0	-9.00	-9	2.50	40	-4	-9
21055.0	SEMPLE POINT-M.W. VA-7	1535	10/27/95	40.0	-9.00	-9	1.24	40	-4	-9
21056.0	SELBY - S2	1536	10/27/95	40.0	-9.00	-9	1.03	40	-4	-9
21058.0	PG&E-VALLEJO-COAL GAS PLANT	1538	10/27/95	40.0	-9.00	-9	1.71	40	-4	-9
21059.0	PETALUMA RIVER MOUTH- BD20	1539	10/26/95	40.0	-9.00	-9	1.22	40	-4	-9
21060.0	MILLER CREEK- MD10	1540	10/26/95	40.0	-9.00	-9	1.18	40	-4	-9
21061.0	MILLER CREEK- MD11	1541	10/26/95	40.0	-9.00	-9	1.81	40	-4	-9
21062.0	GALLINAS CREEK- MD20	1542	10/26/95	40.0	-9.00	-9	2.13	40	-4	-9
21063.0	NOVATO CREEK- MD21	1543	10/26/95	40.0	-9.00	-9	1.52	40	-4	-9
21064.0	TOLAY CREEK MOUTH- MD31	1544	10/26/95	40.0	-9.00	-9	7.47	40	-4	-9
21065.0	SONOMA CREEK MD33	1545	10/26/95	40.0	-9.00	-9	1.42	40	-4	-9
21066.0	NAPA SLOUGH- MD32	1546	10/26/95	40.0	-9.00	-9	1.38	40	-4	-9

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LEG	CLAY	EXPANDEDQC	TOC	TOCBAATCH	TOCDATAQC	DOC
21067.0	RICHMOND ROD AND GUN	1547	10/26/95	40.0	-9.00	-9	1.07	40	-4	-9
21068.0	SILVA ISLAND MARSH- MC61	1548	10/25/95	40.0	-9.00	-9	2.68	40	-4	-9
21069.0	SAUSALITO HARBOR-ANDERSON B.Y.	1549	10/26/95	40.0	-9.00	-9	1.70	40	-4	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP #1	1551	10/26/95	40.0	-9.00	-9	1.27	40	-4	-9
20005.0	PARADISE COVE-REP #1	1552	10/26/95	40.0	-9.00	-9	1.03	40	-4	-9
21057.0	LAKE MERRIT - MW #307.5	1537	12/7/95	41.0	-9.00	-9	4.26	41	-4	-9
21070.0	YERBA BUENA ISLAND - NAVAL STN	1550	12/7/95	41.0	-9.00	-9	1.12	41	-4	-9
21071.0	TREASURE ISLAND - CLIPPER COVE	1553	12/7/95	41.0	-9.00	-9	1.56	41	-4	-9
21072.0	CORTE MADERA MARSH - MCS1	1554	12/5/95	41.0	-9.00	-9	1.50	41	-4	-9
21073.0	SANSOME STREET CSO - PIER 31	1555	12/6/95	41.0	-9.00	-9	1.59	41	-4	-9
21074.0	HOWARD STREET CSO	1556	12/6/95	41.0	-9.00	-9	1.06	41	-4	-9
21075.0	BRANNAN STREET CSO - PIER 32	1557	12/6/95	41.0	-9.00	-9	1.44	41	-4	-9
21076.0	CENTRAL BASIN - INNER	1558	12/6/95	41.0	-9.00	-9	1.76	41	-4	-9
21077.0	CENTRAL BASIN - OUTER	1559	12/6/95	41.0	-9.00	-9	1.75	41	-4	-9
21079.0	GASHOUSE COVE - LAGUNA ST. CSO	1561	12/7/95	41.0	-9.00	-9	1.72	41	-4	-9
21080.0	PACIFIC DRYDOCK - 1-T4	1562	12/7/95	41.0	-9.00	-9	3.23	41	-4	-9
21081.0	PACIFIC DRYDOCK - PPD #3	1563	12/7/95	41.0	-9.00	-9	1.85	41	-4	-9
21082.0	S.F. AIRPORT - SEAPLANE HARBOR	1564	12/6/95	41.0	-9.00	-9	4.78	41	-4	-9
21083.0	S.F. AIRPORT - CENTRAL	1565	12/6/95	41.0	-9.00	-9	1.04	41	-4	-9
21084.0	S.F. AIRPORT - SOUTH	1566	12/6/95	41.0	-9.00	-9	1.86	41	-4	-9
21085.0	REDWOOD CREEK - BA40	1567	12/5/95	41.0	-9.00	-9	1.52	41	-4	-9
21086.0	REDWOOD CREEK - WEST	1568	12/6/95	41.0	-9.00	-9	3.95	41	-4	-9
21087.0	COYOTE CREEK - CX	1569	12/5/95	41.0	-9.00	-9	2.02	41	-4	-9
21088.0	ALVISO SLOUGH	1570	12/5/95	41.0	-9.00	-9	1.56	41	-4	-9
21089.0	RAVENSWOOD SLOUGH - WEST	1571	12/5/95	41.0	-9.00	-9	3.89	41	-4	-9
21090.0	SOUTH BAY BASIN - BA20	1572	12/5/95	41.0	-9.00	-9	1.22	41	-4	-9
21091.0	DUMBARTON BRIDGE - BA30	1573	12/5/95	41.0	-9.00	-9	1.20	41	-4	-9
20013.0	NORTH SOUTH BAY - REP 1	1574	12/6/95	41.0	-9.00	-9	0.93	41	-4	-9
20014.0	SOUTH SOUTH BAY - REP 1	1575	12/6/95	41.0	-9.00	-9	0.82	41	-4	-9
20008.0	BOLINAS LAGOON	1576	12/5/95	41.0	-9.00	-9	2.62	41	-4	-9
21092.0	SOUTH BASIN - YOSEMITE CRK CSO	1577	12/6/95	41.0	-9.00	-9	2.30	41	-4	-9
21062.0	GALLINAS CREEK-MD20	1613	6/10/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21065.0	SONOMA CREEK-MD33	1614	6/11/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21054.0	CHADBORNE SLOUGH-MF13	1615	6/11/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21068.0	SILVA ISLAND MARSH-MC61	1616	6/10/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21061.0	MILLER CREEK-MD11	1617	6/10/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21063.0	NOVATO CREEK-MD21	1618	6/11/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21069.0	SAUSALITO HARBOR-ANDERSON B.Y.	1619	6/10/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21088.0	ALVISO SLOUGH	1620	6/10/96	44.0	-9.00	-9	-9.00	-9	-9	-9

Grain Size and Total Organic Carbon Analyses

STANUM	STATION	IDORG	DATE	LEG	CLAY	EXPANDEDQC	TOC	TOCBATCH	TOCDATAQC	DOC
21085.0	REDWOOD CREEK BA40	1621	6/10/96	44.0	-9.00	-9	-9.00	-9	-9	-9
20006.0	SAN PABLO BAY-TUBBS IS. REP 1	1622	6/11/96	44.0	-9.00	-9	-9.00	-9	-9	-9
21030.0	MISSION CREEK- SITE 1	1732	4/1/97	50.0	4.37	-4	2.78	50	-4	-9
21301.0	MISSION CREEK- MID GRADIENT	1733	4/1/97	50.0	41.01	-4	2.71	50	-4	-9
21302.0	MISSION CREEK- END GRADIENT	1734	4/1/97	50.0	50.20	-4	1.52	50	-4	-9
20011.0	ISLAIS CREEK	1735	4/1/97	50.0	10.04	-4	3.99	50	-4	-9
21303.0	ISLAIS CREEK- MID GRADIENT	1736	4/1/97	50.0	24.51	-4	2.68	50	-4	-9
21304.0	ISLAIS CREEK- END GRADIENT	1737	4/1/97	50.0	26.37	-4	2.99	50	-4	-9
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1738	4/2/97	50.0	14.46	-4	1.38	50	-4	-9
21305.0	PEYTON SLOUGH- MID GRADIENT	1739	4/2/97	50.0	35.66	-4	4.01	50	-4	-9
21306.0	PEYTON SLOUGH- END GRADIENT	1740	4/2/97	50.0	44.93	-4	1.82	50	-4	-9
20005.0	PARADISE COVE- REFERENCE	1741	4/3/97	50.0	38.13	-4	1.16	50	-4	-9
21029.0	SAN FRANCISCO- PIER 7	1742	4/1/97	50.0	41.29	-4	1.21	50	-4	-9
21074.0	HOWARD STREET CSO	1744	4/1/97	50.0	19.67	-4	0.83	50	-4	-9
21076.0	CENTRAL BASIN - INNER	1745	4/1/97	50.0	42.47	-4	1.56	50	-4	-9
21307.0	WALDO POINT	1746	4/2/97	50.0	26.46	-4	2.07	50	-4	-9
21308.0	WARM WATER COVE #2	1747	4/1/97	50.0	56.67	-4	1.42	50	-4	-9
20013.0	N. SOUTH BAY- REP #1	1749	4/16/97	51.0	18.82	-4	0.44	51	-4	-9
20007.0	SAN PABLO BAY-ISLAND #1- REP 1	1750	4/15/97	51.0	29.35	-4	1.10	51	-4	-9
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	45.15	-4	1.47	51	-4	-9
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	41.29	-4	2.49	51	-4	-9
21023.0	PACIFIC DRYDOCK - YARD 1	1753	4/15/97	51.0	12.80	-4	6.27	51	-4	-9
21026.0	OAKLAND-FRUITVALE	1754	4/15/97	51.0	36.48	-4	1.84	51	-4	-9
21310.0	SAN LEANDRO BAY-SITE 3	1755	4/17/97	51.0	32.37	-4	3.82	51	-4	-9
21311.0	SAN LEANDRO BAY-SITE 4	1756	4/17/97	51.0	29.98	-4	6.04	51	-4	-9
21312.0	SAN LEANDRO BAY-SITE 5	1757	4/17/97	51.0	22.57	-4	2.14	51	-4	-9
21313.0	SAN LEANDRO BAY-SITE 6	1758	4/17/97	51.0	35.04	-4	1.59	51	-4	-9
21314.0	SAN LEANDRO BAY-SITE 7	1759	4/16/97	51.0	17.47	-4	2.76	51	-4	-9
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	19.01	-4	4.32	51	-4	-9
21056.0	SELBY - S2	1761	4/15/97	51.0	18.79	-4	0.95	51	-4	-9
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	12.99	-4	2.10	55	-4	-9
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	34.69	-4	1.27	55	-4	-9
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	34.86	-4	3.06	55	-4	-9
21404.0	CARLSON CREEK REFERENCE	1798	10/6/97	55.0	27.72	-4	1.53	55	-4	-9
21401.0	ZENECA MARSH #1	1799	12/3/97	56.0	-9.00	-9	-9.00	-9	-9	-9
21402.0	ZENECA MARSH #2	1800	12/3/97	56.0	-9.00	-9	-9.00	-9	-9	-9
21404.0	CARLSON CREEK REFERENCE	1801	12/3/97	56.0	-9.00	-9	-9.00	-9	-9	-9

Appendix E
Toxicity Test Data

Section 1

Eohaustorius estuarius Survival in Sediment

Eohaustorius estuarius Survival Toxicity Test Data for Sediment

STANUM	STATION	IDORG	DATE	LEG	TYPE	MEIADATA	CTRL	EE_MN	EE_SD	EE_SG	EE_TOX	EE_BATCH	EEQC
	CONTROL-CI			35.0	CI	toxmeta2.wpd	-9	95.00	4.00	-9	-9	b035eesa01	-4
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	SAM	toxmeta2.wpd	-9	82.00	6.00	*	NT	b035eesa01	-3
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	FR	toxmeta2.wpd	-9	81.00	16.00	ns	NT	b035eesa01	-3
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	FR	toxmeta2.wpd	-9	84.00	13.00	ns	NT	b035eesa01	-4
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	SAM	toxmeta2.wpd	-9	66.00	39.00	ns	NT	b035eesa01	-4
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	FR	toxmeta2.wpd	-9	62.00	35.00	ns	NT	b035eesa01	-3
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	FR	toxmeta2.wpd	-9	72.00	18.00	*	NT	b035eesa01	-4
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	SAM	toxmeta2.wpd	-9	88.00	12.00	ns	NT	b035eesa01	-4
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	FR	toxmeta2.wpd	-9	86.00	12.00	ns	NT	b035eesa01	-4
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	FR	toxmeta2.wpd	-9	80.00	6.00	*	NT	b035eesa01	-4
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	SAM	toxmeta2.wpd	-9	78.00	10.00	*	NT	b035eesa01	-4
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	FR	toxmeta2.wpd	-9	54.00	32.00	*	T	b035eesa01	-3
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	FR	toxmeta2.wpd	-9	85.00	11.00	ns	NT	b035eesa01	-4
20010.0	CASTRO COVE-EVSO4	1410	9/8/94	35.0	SAM	toxmeta2.wpd	-9	33.00	3.00	*	T	b035eesa01	-4
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	SAM	toxmeta2.wpd	-9	57.00	14.00	*	T	b035eesa01	-4
	CONTROL-CI			38.0	CI	toxdata4.wpd	-9	98.00	3.00	-9	-9	b038eesa01	-3
21021.0	OAKLAND INNER HBR.-TODD SHIPYD	1498	4/17/95	38.0	SAM	toxdata4.wpd	-9	72.00	3.00	*	T	b038eesa01	-3
21022.0	OAKLAND INNER HBR.-SCHNITZER	1499	4/17/95	38.0	SAM	toxdata4.wpd	-9	60.00	9.00	*	T	b038eesa01	-4
21023.0	PACIFIC DRYDOCK YARD 1	1500	4/17/95	38.0	SAM	toxdata4.wpd	-9	14.00	13.00	*	T	b038eesa01	-4
21024.0	PACIFIC DRYDOCK YARD 2	1501	4/17/95	38.0	SAM	toxdata4.wpd	-9	86.00	4.00	*	NT	b038eesa01	-4
21025.0	NORTH GOVERNMENT ISLAND	1502	4/17/95	38.0	SAM	toxdata4.wpd	-9	71.00	9.00	*	T	b038eesa01	-4
21026.0	OAKLAND-FRUITVALE	1503	4/17/95	38.0	SAM	toxdata4.wpd	-9	16.00	21.00	*	T	b038eesa01	-5
21027.0	SAN LEANDRO BAY-SITE 1	1504	4/17/95	38.0	SAM	toxdata4.wpd	-9	26.00	39.00	*	T	b038eesa01	-4
21028.0	SAN LEANDRO BAY-SITE 2	1505	4/17/95	38.0	SAM	toxdata4.wpd	-9	73.00	12.00	*	NT	b038eesa01	-4
21032.0	POTRERO POINT-WARM WATER COVE	1509	4/17/95	38.0	SAM	toxdata4.wpd	-9	95.00	6.00	ns	NT	b038eesa01	-4
21033.0	NORTH INDIA BASIN-SITE 1	1510	4/17/95	38.0	SAM	toxdata4.wpd	-9	86.00	4.00	*	NT	b038eesa01	-4
21034.0	SOUTH INDIA BASIN-SITE 2	1511	4/17/95	38.0	SAM	toxdata4.wpd	-9	80.00	8.00	*	NT	b038eesa01	-4
21035.0	SIERRA POINT	1512	4/17/95	38.0	SAM	toxdata4.wpd	-9	77.00	18.00	*	NT	b038eesa01	-4
21036.0	OYSTER POINT (WEST)-SITE 1	1513	4/17/95	38.0	SAM	toxdata4.wpd	-9	85.00	13.00	*	NT	b038eesa01	-4
21037.0	OYSTER POINT (EAST)-SITE 2	1514	4/17/95	38.0	SAM	toxdata4.wpd	-9	84.00	4.00	*	NT	b038eesa01	-4
21038.0	SAN BRUNO CHANNEL	1515	4/17/95	38.0	SAM	toxdata4.wpd	-9	84.00	5.00	*	NT	b038eesa01	-4
21039.0	STEINBERGER SLOUGH-NR MOUTH	1516	4/18/95	38.0	SAM	toxdata4.wpd	-9	74.00	11.00	*	NT	b038eesa01	-4
21040.0	STEINBERGER SLOUGH-NR FREEWAY	1517	4/18/95	38.0	SAM	toxdata4.wpd	-9	72.00	7.00	*	T	b038eesa01	-4
21041.0	GUADALUPE SLOUGH	1518	4/19/95	38.0	SAM	toxdata4.wpd	-9	85.00	6.00	*	NT	b038eesa01	-5
21042.0	MAYFIELD SLOUGH-NR COOLEY LDNG	1519	4/18/95	38.0	SAM	toxdata4.wpd	-9	78.00	6.00	*	NT	b038eesa01	-4
21043.0	MAYFIELD SLOUGH-NR SAND PT.	1520	4/18/95	38.0	SAM	toxdata4.wpd	-9	60.00	22.00	*	T	b038eesa01	-4
20013.0	NORTH-SOUTH BAY-REFERENCE	1521	4/18/95	38.0	SAM	toxdata4.wpd	-9	89.00	11.00	ns	NT	b038eesa01	-4
20014.0	SOUTH-SOUTH BAY-REFERENCE	1522	4/18/95	38.0	SAM	toxdata4.wpd	-9	86.00	4.00	*	NT	b038eesa01	-4

Eohaustorius estuarius Survival Toxicity Test Data for Sediment

STANUM	STATION	IDORG	DATE	LEG	TYPE	METADATA	CTRL	EE_MN	EE_SD	EE_SG	EE_TOX	EE_BATCH	EEQC
21046.0	MOWRY SLOUGH	1523	4/19/95	38.0	SAM	toxdata4.wpd	83.00	8.00	*	NT	b038ecsa01	-4	
21047.0	C'OYOTE SLOUGH-@FIXED R/R BRIDG CONTROL-C1	1524	4/19/95	38.0	SAM	toxdata4.wpd	87.00	6.00	*	NT	b038ecsa01	-4	
21048.0	NORTH RESERVE FLEET-SUISUN	1478	5/11/95	39.0	C1	toxdata4.wpd	99.00	2.00	-9	-9	b039ecsa01	-3	
21049.0	SOUTH RESERVE FLEET-SUISUN	1479	5/11/95	39.0	SAM	toxdata4.wpd	73.00	14.00	*	T	b039ecsa01	-3	
21050.0	PACHECO CR-NEAR MOUTH-SITE 1	1480	5/11/95	39.0	SAM	toxdata4.wpd	90.00	6.00	*	NT	b039ecsa01	-3	
21051.0	PACHECO CR-ABOVE BRIDGE-SITE 2	1481	5/11/95	39.0	SAM	toxdata4.wpd	93.00	8.00	ns	NT	b039ecsa01	-3	
21052.0	PEYTON SLOUGH-MOUTH-SITE 1	1482	5/11/95	39.0	SAM	toxdata4.wpd	88.00	8.00	*	NT	b039ecsa01	-3	
21053.0	PEYTON SLOUGH-UPPER-SITE 2	1483	5/11/95	39.0	SAM	toxdata4.wpd	1.00	2.00	*	T	b039ecsa01	-3	
21054.0	VALLEJO-MARE ISLAND-NORTH SIDE	1484	5/2/95	39.0	SAM	toxdata4.wpd	74.00	14.00	*	NT	b039ecsa01	-3	
21055.0	VALLEJO-MARE IS-SHIP ANCHORAGE	1485	5/2/95	39.0	SAM	toxdata4.wpd	71.00	13.00	*	T	b039ecsa01	-4	
21056.0	SAN PABLO BAY-IS. #1 REFERENCE	1486	5/2/95	39.0	SAM	toxdata4.wpd	84.00	8.00	*	NT	b039ecsa01	-4	
21057.0	SAN PABLO BAY- HAMILTON	1487	5/2/95	39.0	SAM	toxdata4.wpd	88.00	10.00	*	NT	b039ecsa01	-4	
21058.0	PARADISE COVE- REFERENCE	1488	5/11/95	39.0	SAM	toxdata4.wpd	84.00	13.00	*	NT	b039ecsa01	-4	
21059.0	CASTRO COVE	1489	5/11/95	39.0	SAM	toxdata4.wpd	0.00	0.00	*	T	b039ecsa01	-4	
21060.0	POINT PORTRERO- SITE 1	1490	5/11/95	39.0	SAM	toxdata4.wpd	86.00	8.00	*	NT	b039ecsa01	-4	
21061.0	POINT PORTRERO- SITE 2	1491	5/11/95	39.0	SAM	toxdata4.wpd	79.00	7.00	*	NT	b039ecsa01	-4	
21062.0	SANTA FE CHANNEL- END	1492	5/11/95	39.0	SAM	toxdata4.wpd	71.00	27.00	*	T	b039ecsa01	-4	
21063.0	RICHMOND HARBOR	1493	5/11/95	39.0	SAM	toxdata4.wpd	88.00	6.00	*	NT	b039ecsa01	-3	
21064.0	RICHMOND INNER HBR.-HOFFMAN MR	1494	5/11/95	39.0	SAM	toxdata4.wpd	83.00	18.00	ns	NT	b039ecsa01	-4	
21065.0	CERRITO CREEK MOUTH	1495	5/11/95	39.0	SAM	toxdata4.wpd	81.00	13.00	*	NT	b039ecsa01	-4	
21066.0	CORDORNICES CREEK MOUTH	1496	5/11/95	39.0	SAM	toxdata4.wpd	87.00	8.00	*	NT	b039ecsa01	-4	
21067.0	EMERYVILLE MARSH	1497	5/11/95	39.0	SAM	toxdata4.wpd	89.00	11.00	ns	NT	b039ecsa01	-3	
21068.0	SAN FRANCISCO- PIER 7	1506	5/11/95	39.0	SAM	toxdata4.wpd	83.00	12.00	*	NT	b039ecsa01	-3	
21069.0	MISSION CREEK- SITE 1	1507	5/2/95	39.0	SAM	toxdata4.wpd	5.00	6.00	*	T	b039ecsa01	-4	
21070.0	MISSION CREEK- SITE 2	1508	5/11/95	39.0	SAM	toxdata4.wpd	83.00	10.00	*	NT	b039ecsa01	-3	
21071.0	CONTROL-C1			40.0	C1	toxdata4.wpd	96.00	4.00	-9	-9	b040ecsa01	-3	
21072.0	DOW CHEMICAL- KIRKER CREEK	1529	10/27/95	40.0	SAM	toxdata4.wpd	86.00	4.00	*	NT	b040ecsa01	-3	
21073.0	GRIZZLY BAY- RMP BF20	1530	10/27/95	40.0	SAM	toxdata4.wpd	85.00	11.00	*	NT	b040ecsa01	-3	
21074.0	BOYNTON SLOUGH- MF10	1531	10/28/95	40.0	SAM	toxdata4.wpd	89.00	14.00	ns	NT	b040ecsa01	-3	
21075.0	HILL SLOUGH- MF21	1532	10/28/95	40.0	SAM	toxdata4.wpd	86.00	10.00	*	NT	b040ecsa01	-3	
21076.0	SUISUN SLOUGH	1533	10/27/95	40.0	SAM	toxdata4.wpd	89.00	10.00	ns	NT	b040ecsa01	-3	
21077.0	CHADBORNE SLOUGH- MF13	1534	10/27/95	40.0	SAM	toxdata4.wpd	91.00	7.00	ns	NT	b040ecsa01	-3	
21078.0	SEMPLE POINT-M.W. VA-7	1535	10/27/95	40.0	SAM	toxdata4.wpd	87.00	3.00	*	NT	b040ecsa01	-3	
21079.0	SELBY - S2	1536	10/27/95	40.0	SAM	toxdata4.wpd	89.00	7.00	*	NT	b040ecsa01	-3	
21080.0	PG&E-VALLEJO-COAL GAS PLANT	1538	10/27/95	40.0	SAM	toxdata4.wpd	91.00	4.00	*	NT	b040ecsa01	-3	
21081.0	PETALUMA RIVER MOUTH- BD20	1539	10/26/95	40.0	SAM	toxdata4.wpd	93.00	6.00	ns	NT	b040ecsa01	-3	
21082.0	MILLER CREEK- MD10	1540	10/26/95	40.0	SAM	toxdata4.wpd	93.00	10.00	ns	NT	b040ecsa01	-3	

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STANUM	STATION	IDORG	DATE	LEG	TYPE	METADATA	CTRL	EE_MN	EE_SD	EE_SG	EE_TOX	EE_BATCH	EEQC
21061.0	MILLER CREEK- MD11	1541	10/26/95	40.0	SAM	toxdata4.wpd		93.00	8.00	ns	NT	b040eesa01	-3
21062.0	GALLINAS CREEK- MD20	1542	10/26/95	40.0	SAM	toxdata4.wpd		80.00	15.00	*	NT	b040eesa01	-3
21063.0	NOVATO CREEK- MD21	1543	10/26/95	40.0	SAM	toxdata4.wpd		92.00	6.00	ns	NT	b040eesa01	-3
21064.0	TOLAY CREEK MOUTH- MD31	1544	10/26/95	40.0	SAM	toxdata4.wpd		83.00	4.00	*	NT	b040eesa01	-3
21065.0	SONOMA CREEK- MD33	1545	10/26/95	40.0	SAM	toxdata4.wpd		88.00	4.00	*	NT	b040eesa01	-3
21066.0	NAPA SLOUGH- MD32	1546	10/26/95	40.0	SAM	toxdata4.wpd		89.00	7.00	*	NT	b040eesa01	-3
21067.0	RICHMOND ROD AND GUN	1547	10/26/95	40.0	SAM	toxdata4.wpd		72.00	38.00	ns	NT	b040eesa01	-3
21068.0	SILVA ISLAND MARSH- MC61	1548	10/25/95	40.0	SAM	toxdata4.wpd		92.00	6.00	ns	NT	b040eesa01	-3
21069.0	SAUSALITO HARBOR-ANDERSON B.Y.	1549	10/26/95	40.0	SAM	toxdata4.wpd		96.00	5.00	ns	NT	b040eesa01	-3
20006.0	SAN PABLO BAY-TUBBS IS.-REP #1	1551	10/26/95	40.0	SAM	toxdata4.wpd		87.00	6.00	*	NT	b040eesa01	-3
20005.0	PARADISE COVE-REP #1	1552	10/26/95	40.0	SAM	toxdata4.wpd		85.00	13.00	ns	NT	b040eesa01	-3
	CONTROL-CI			41.0	CI	toxdata4.wpd		99.00	2.00	-9	-9	b041eesa01	-3
21057.0	LAKE MERRIT - MW #307.5	1537	12/7/95	41.0	SAM	toxdata4.wpd		77.00	10.00	*	NT	b041eesa01	-5
21070.0	YERBA BUENA ISLAND - NAVAL STN	1550	12/7/95	41.0	SAM	toxdata4.wpd		86.00	8.00	*	NT	b041eesa01	-3
21071.0	TREASURE ISLAND - CLIPPER COVE	1553	12/7/95	41.0	SAM	toxdata4.wpd		82.00	16.00	*	NT	b041eesa01	-3
21072.0	CORTE MADERA MARSH - MCS1	1554	12/5/95	41.0	SAM	toxdata4.wpd		79.00	14.00	*	NT	b041eesa01	-3
21073.0	SANSOME STREET CSO - PIER 31	1555	12/6/95	41.0	SAM	toxdata4.wpd		80.00	9.00	*	NT	b041eesa01	-3
21074.0	HOWARD STREET CSO	1556	12/6/95	41.0	SAM	toxdata4.wpd		82.00	6.00	*	NT	b041eesa01	-3
21075.0	BRANNAN STREET CSO - PIER 32	1557	12/6/95	41.0	SAM	toxdata4.wpd		80.00	14.00	*	NT	b041eesa01	-3
21076.0	CENTRAL BASIN - INNER	1558	12/6/95	41.0	SAM	toxdata4.wpd		89.00	9.00	*	NT	b041eesa01	-3
21077.0	CENTRAL BASIN - OUTER	1559	12/6/95	41.0	SAM	toxdata4.wpd		87.00	12.00	*	NT	b041eesa01	-3
21079.0	GASHOUSE COVE - LAGUNA ST. CSO	1561	12/7/95	41.0	SAM	toxdata4.wpd		78.00	9.00	*	NT	b041eesa01	-3
21080.0	PACIFIC DRYDOCK - 1-T4	1562	12/7/95	41.0	SAM	toxdata4.wpd		91.00	4.00	*	NT	b041eesa01	-3
21081.0	PACIFIC DRYDOCK - PPD #3	1563	12/7/95	41.0	SAM	toxdata4.wpd		79.00	4.00	*	NT	b041eesa01	-3
21082.0	S.F. AIRPORT - SEAPLANE HARBOR	1564	12/6/95	41.0	SAM	toxdata4.wpd		87.00	10.00	*	NT	b041eesa01	-3
21083.0	S.F. AIRPORT - CENTRAL	1565	12/6/95	41.0	SAM	toxdata4.wpd		91.00	7.00	*	NT	b041eesa01	-3
21084.0	S.F. AIRPORT - SOUTH	1566	12/6/95	41.0	SAM	toxdata4.wpd		82.00	9.00	*	NT	b041eesa01	-3
21085.0	REDWOOD CREEK - BA40	1567	12/5/95	41.0	SAM	toxdata4.wpd		72.00	19.00	*	T	b041eesa01	-3
21086.0	REDWOOD CREEK - WEST	1568	12/6/95	41.0	SAM	toxdata4.wpd		86.00	5.00	*	NT	b041eesa01	-3
21087.0	COYOTE CREEK - CX	1569	12/5/95	41.0	SAM	toxdata4.wpd		79.00	13.00	*	NT	b041eesa01	-3
21088.0	ALVISO SLOUGH	1570	12/5/95	41.0	SAM	toxdata4.wpd		70.00	4.00	*	T	b041eesa01	-3
21089.0	RAVENSWOOD SLOUGH - WEST	1571	12/5/95	41.0	SAM	toxdata4.wpd		96.00	5.00	ns	NT	b041eesa01	-3
21090.0	SOUTH BAY BASIN - BA20	1572	12/5/95	41.0	SAM	toxdata4.wpd		79.00	11.00	*	NT	b041eesa01	-3
21091.0	DUMBARTON BRIDGE - BA30	1573	12/5/95	41.0	SAM	toxdata4.wpd		84.00	11.00	*	NT	b041eesa01	-3
20013.0	NORTH SOUTH BAY - REP 1	1574	12/6/95	41.0	SAM	toxdata4.wpd		86.00	18.00	ns	NT	b041eesa01	-3
20014.0	SOUTH SOUTH BAY - REP 1	1575	12/6/95	41.0	SAM	toxdata4.wpd		88.00	4.00	*	NT	b041eesa01	-3
20008.0	BOLINAS LAGOON	1576	12/5/95	41.0	SAM	toxdata4.wpd		74.00	9.00	*	NT	b041eesa01	-3
21092.0	SOUTH BASIN - YOSEMITE CRK CSO	1577	12/6/95	41.0	SAM	toxdata4.wpd		85.00	7.00	*	NT	b041eesa01	-3

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STANUM	STATION	IDORG	DATE	LEG	TYPE	METADATA	CTRL	EE_MN	EE_SD	EE_SG	EE_TOX	EE_BATCH	EEQC
	CONTROL-C1			44.0	C1	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21062.0	GALLINAS CREEK-MD20	1613	6/10/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21065.0	SONOMA CREEK-MD33	1614	6/11/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21054.0	CHADBORNE SLOUGH-MF13	1615	6/11/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21068.0	SILVA ISLAND MARSH-MC61	1616	6/10/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21061.0	MILLER CREEK-MD11	1617	6/10/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21063.0	NOVATO CREEK-MD21	1618	6/11/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21069.0	SAUSALITO HARBOR-ANDERSON B.Y.	1619	6/10/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21088.0	ALVISO SLOUGH	1620	6/10/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21085.0	REDWOOD CREEK BA40	1621	6/10/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
20006.0	SAN PABLO BAY-TUBBS IS. REP 1	1622	6/11/96	44.0	SAM	toxdata6.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
	CONTROL-C1			50.0	C1	toxdata7.wpd	C1	100.00	0.00	-9	-9	150tec	-4
21030.0	MISSION CREEK - SITE 1	1732	4/1/97	50.0	SAM	toxdata7.wpd	C1	19.00	18.00	*	T	150tec	-5
21301.0	MISSION CREEK - MID GRADIENT	1733	4/1/97	50.0	SAM	toxdata7.wpd	C1	58.00	17.00	*	T	150tec	-4
21302.0	MISSION CREEK - END GRADIENT	1734	4/1/97	50.0	SAM	toxdata7.wpd	C1	80.00	9.00	*	NT	150tec	-4
20011.0	ISLAIS CREEK	1735	4/1/97	50.0	SAM	toxdata7.wpd	C1	0.00	0.00	*	T	150tec	-4
21303.0	ISLAIS CREEK - MID GRADIENT	1736	4/1/97	50.0	SAM	toxdata7.wpd	C1	81.00	4.00	*	NT	150tec	-4
21304.0	ISLAIS CREEK - END GRADIENT	1737	4/1/97	50.0	SAM	toxdata7.wpd	C1	49.00	12.00	*	T	150tec	-4
21006.0	PEYTON SLOUGH - UPPER SITE 2	1738	4/2/97	50.0	SAM	toxdata7.wpd	C1	69.00	13.00	*	T	150tec	-4
21305.0	PEYTON SLOUGH - MID GRADIENT	1739	4/2/97	50.0	SAM	toxdata7.wpd	C1	59.00	33.00	*	T	150tec	-5
21306.0	PEYTON SLOUGH - END GRADIENT	1740	4/2/97	50.0	SAM	toxdata7.wpd	C1	14.00	11.00	*	T	150tec	-4
21011.0	PARADISE COVE - REFERENCE	1741	4/3/97	50.0	SAM	toxdata7.wpd	C1	79.00	8.00	*	NT	150tec	-4
21029.0	SAN FRANCISCO - PIER 7	1742	4/1/97	50.0	SAM	toxdata7.wpd	C1	79.00	11.00	*	NT	150tec	-4
21074.0	HOWARD STREET CSO	1744	4/1/97	50.0	SAM	toxdata7.wpd	C1	86.00	8.00	*	NT	150tec	-4
21076.0	CENTRAL BASIN - INNER	1745	4/1/97	50.0	SAM	toxdata7.wpd	C1	67.00	8.00	*	T	150tec	-4
21307.0	WALDO POINT	1746	4/2/97	50.0	SAM	toxdata7.wpd	C1	59.00	17.00	*	T	150tec	-4
21308.0	WARM WATER COVE #2	1747	4/1/97	50.0	SAM	toxdata7.wpd	C1	81.00	22.00	ns	NT	150tec	-4
	CONTROL-C1			51.0	C1	toxdata7.wpd	C1	98.00	3.00	-9	-9	151tec	-4
20013.0	N. SOUTH BAY - REP #1	1749	4/16/97	51.0	SAM	toxdata7.wpd	C1	98.00	4.00	ns	NT	151tec	-4
20007.0	SAN PABLO BAY-ISLAND #1- REP 1	1750	4/15/97	51.0	SAM	toxdata7.wpd	C1	51.00	15.00	*	T	151tec	-4
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	SAM	toxdata7.wpd	C1	64.00	28.00	*	T	151tec	-4
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	SAM	toxdata7.wpd	C1	-9.00	-9.00	-9	-9	-9	-9
21023.0	PACIFIC DR YDOCK - YARD 1	1753	4/15/97	51.0	SAM	toxdata7.wpd	C1	0.00	0.00	*	T	151tec	-4
21026.0	OAKLAND - FRUITVALE	1754	4/15/97	51.0	SAM	toxdata7.wpd	C1	55.00	40.00	*	T	151tec	-4
21310.0	SAN LEANDRO BAY - SITE 3	1755	4/17/97	51.0	SAM	toxdata7.wpd	C1	40.00	31.00	*	T	151tec	-4
21311.0	SAN LEANDRO BAY - SITE 4	1756	4/17/97	51.0	SAM	toxdata7.wpd	C1	65.00	28.00	*	T	151tec	-4
21312.0	SAN LEANDRO BAY - SITE 5	1757	4/17/97	51.0	SAM	toxdata7.wpd	C1	76.00	37.00	ns	NT	151tec	-4
21313.0	SAN LEANDRO BAY - SITE 6	1758	4/17/97	51.0	SAM	toxdata7.wpd	C1	70.00	12.00	*	T	151tec	-4

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STANUM	STATION	IDORG	DATE	LEG	TYPE	METADATA	CTRL	EE_MN	EE_SD	EE_SG	EE_TOX	EE_BATCH	EEQC
21314.0	SAN LEANDRO BAY - SITE 7	1759	4/16/97	51.0	SAM	toxdata7.wpd	CI	96.00	7.00	ns	NT	151tee	-4
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	SAM	toxdata7.wpd	CI	-9.00	-9.00	-9	-9	-9	-9
21056.0	SELBY - S2	1761	4/15/97	51.0	SAM	toxdata7.wpd	CI	100.00	0.00	ns	NT	151tee	-4
	CONTROL-C1			55.0	CI	toxmeta8	CI	94.00	4.00	-9	-9	155tee	-4
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	SAM	toxmeta8	CI	0.00	0.00	*	T	155tee	-3
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	SAM	toxmeta8	CI	0.00	0.00	*	T	155tee	-4
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	SAM	toxmeta8	CI	0.00	0.00	*	T	155tee	-3
21404.0	CARLSON CREEK REFERENCE	1798	10/6/97	55.0	SAM	toxmeta8	CI	54.00	38.00	*	T	155tee	-4
	CONTROL-C1			56.0	CI	toxmeta8	CI	91.00	7.00	-9	-9	156tee	-4
21401.0	ZENECA MARSH #1	1799	12/3/97	56.0	SAM	toxmeta8	CI	1.00	2.00	*	T	156tee	-4
21402.0	ZENECA MARSH #2	1800	12/3/97	56.0	SAM	toxmeta8	CI	0.00	0.00	*	T	156tee	-4
21404.0	CARLSON CREEK REFERENCE	1801	12/3/97	56.0	SAM	toxmeta8	CI	85.00	15.00	ns	NT	156tee	-3

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STANUM	STATION	IDORG	DATE	LEG	EE_OTNH3	EE_OUNH3	EE_ITNH3	EE_IUNH3	EE_IH2S
	CONTROL-C1			35.0	0.150	0.012	-8.0000	-8.0000	-8.0000
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	1.240	0.014	1.330	0.012	0.0060
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	0.280	0.005	1.730	0.009	0.0080
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	0.250	0.004	1.410	0.007	0.0070
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	0.250	0.004	1.860	0.017	0.0050
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	0.300	0.005	1.960	0.016	0.0140
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	0.320	0.007	1.850	0.016	0.0070
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	0.380	0.004	2.440	0.024	0.0020
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	0.360	0.004	2.420	0.024	0.0040
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	0.350	0.011	2.830	0.028	0.0030
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	0.310	0.009	3.610	0.020	0.0110
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	0.520	0.016	12.000	0.093	0.0260
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	0.790	0.009	4.140	0.021	0.0240
20010.0	CASTRO COVE-EVSO4	1410	9/8/94	35.0	0.710	0.009	3.290	0.024	0.0150
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	6.300	0.330	37.000	0.261	0.9700
	CONTROL-C1			38.0	-8.000	-8.000	-9.000	-9.000	-9.0000
21021.0	OAKLAND INNER HBR.-TODD SHIPYD	1498	4/17/95	38.0	1.800	0.013	3.700	0.051	0.0111
21022.0	OAKLAND INNER HBR.-SCHNITZER	1499	4/17/95	38.0	1.700	0.016	5.500	0.045	0.0190
21023.0	PACIFIC DRYDOCK YARD 1	1500	4/17/95	38.0	5.800	0.131	7.100	0.085	0.1347
21024.0	PACIFIC DRYDOCK YARD 2	1501	4/17/95	38.0	1.200	0.013	3.200	0.034	0.0070
21025.0	NORTH GOVERNMENT ISLAND	1502	4/17/95	38.0	0.560	0.007	2.800	0.032	0.0093
21026.0	OAKLAND-FRUITVALE	1503	4/17/95	38.0	221.000	4.353	320.000	0.865	0.3030
21027.0	SAN LEANDRO BAY-SITE 1	1504	4/17/95	38.0	1.100	0.010	3.800	0.028	0.0220
21028.0	SAN LEANDRO BAY-SITE 2	1505	4/17/95	38.0	0.920	0.007	4.800	0.023	0.0081
21032.0	POTRERO POINT-WARM WATER COVE	1509	4/17/95	38.0	1.600	0.017	8.800	0.098	0.0190
21033.0	NORTH INDIA BASIN-SITE 1	1510	4/17/95	38.0	0.800	0.023	3.200	0.049	0.0019
21034.0	SOUTH INDIA BASIN-SITE 2	1511	4/17/95	38.0	0.980	0.012	6.800	0.033	0.0180
21035.0	SIFRA POINT	1512	4/17/95	38.0	0.570	0.007	1.700	0.014	0.0093
21036.0	OYSTER POINT (WEST)-SITE 1	1513	4/17/95	38.0	0.640	0.005	4.400	0.015	0.0249
21037.0	OYSTER POINT (EAST)-SITE 2	1514	4/17/95	38.0	0.710	0.006	2.400	0.012	0.0130
21038.0	SAN BRUNO CHANNEL	1515	4/17/95	38.0	0.580	0.010	2.400	0.023	0.0126
21039.0	STEINBERGER SLOUGH-NR MOUTH	1516	4/18/95	38.0	0.550	0.007	1.600	0.016	0.0060
21040.0	STEINBERGER SLOUGH-NR FREEWAY	1517	4/18/95	38.0	0.940	0.018	4.900	0.025	0.0542
21041.0	GUADALUPE SLOUGH	1518	4/19/95	38.0	4.800	0.052	10.000	0.051	0.0842
21042.0	MAYFIELD SLOUGH-NR COOLEY LDNG	1519	4/18/95	38.0	1.700	0.023	4.100	0.072	0.0034
21043.0	MAYFIELD SLOUGH-NR SAND PT.	1520	4/18/95	38.0	0.700	0.007	1.600	0.031	0.0114
20013.0	NORTH-SOUTH BAY-REFERENCE	1521	4/18/95	38.0	0.760	0.012	2.200	0.051	0.0040
20014.0	SOUTH-SOUTH BAY-REFERENCE	1522	4/18/95	38.0	0.500	0.005	1.200	0.026	0.0006

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STANUM	STATION	IDORG	DATE	LEG	EE_OTNH3	EE_OUNH3	EE_OH2S	EE_ITNH3	EE_IUNH3	EE_IH2S
21046.0	MOWRY SLOUGH	1523	4/19/95	38.0	0.500	0.006	-8.0000	2.000	0.036	0.0071
21047.0	COYOTE SLOUGH-@FIXED R/R BRIDG CONTROL-C1	1524	4/19/95	38.0	0.480	0.004	-8.0000	1.400	0.012	0.0030
21001.0	NORTH RESERVE FLEET-SUISUN	1478	5/1/95	39.0	0.340	0.005	-9.0000	-9.000	-9.000	-9.0000
21002.0	SOUTH RESERVE FLEET-SUISUN	1479	5/1/95	39.0	1.100	0.014	0.0024	1.500	0.077	0.0009
21003.0	PACHECO CR-NEAR MOUTH-SITE 1	1480	5/1/95	39.0	0.530	0.007	-8.0000	1.200	0.004	0.0055
21004.0	PACHECO CR-ABOVE BRIDGE-SITE 2	1481	5/1/95	39.0	0.700	0.008	-8.0000	2.100	0.012	0.0078
21005.0	PEYTON SLOUGH-MOUTH-SITE 1	1482	5/1/95	39.0	0.820	0.009	0.0016	2.300	0.029	0.0084
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1483	5/1/95	39.0	0.630	0.005	0.0038	1.200	0.070	0.5190
21007.0	VALLEJO-MARE ISLAND-NORTH SIDE	1484	5/2/95	39.0	1.300	0.010	-8.0000	5.000	0.008	0.0450
21008.0	VALLEJO-MARE IS-SHIP ANCHORAGE	1485	5/2/95	39.0	0.350	0.004	-8.0000	1.000	0.012	0.0041
20007.0	SAN PABLO BAY-IS. #1 REFERENCE	1486	5/2/95	39.0	0.610	0.007	0.0023	2.200	0.047	0.0079
21010.0	SAN PABLO BAY- HAMILTON	1487	5/2/95	39.0	0.360	0.005	-8.0000	1.900	0.024	0.0017
20005.0	PARADISE COVE- REFERENCE	1488	5/1/95	39.0	0.740	0.004	-8.0000	1.200	0.016	0.0110
21012.0	CASTRO COVE	1489	5/1/95	39.0	0.610	0.007	-8.0000	2.200	0.025	0.0043
21013.0	POINT PORTRERO- SITE 1	1490	5/1/95	39.0	0.440	0.006	0.0021	2.300	0.023	0.0133
21014.0	POINT PORTRERO- SITE 2	1491	5/1/95	39.0	1.300	0.029	0.0014	6.200	0.081	0.0058
21015.0	SANTA FE CHANNEL- END	1492	5/1/95	39.0	0.730	0.006	-8.0000	4.300	0.012	0.0244
21016.0	RICHMOND HARBOR	1493	5/1/95	39.0	1.100	0.006	-8.0000	5.500	0.011	0.0749
21017.0	RICHMOND INNER HBR.-HOFFMAN MR	1494	5/1/95	39.0	1.200	0.016	0.0026	6.200	0.038	0.0279
21018.0	CERRITO CREEK MOUTH	1495	5/1/95	39.0	2.000	0.044	0.0034	10.000	0.091	0.0116
21019.0	CORDORNICES CREEK MOUTH	1496	5/1/95	39.0	3.200	0.059	0.0035	4.600	0.021	0.0242
21020.0	EMERYVILLE MARSH	1497	5/1/95	39.0	3.100	0.082	-8.0000	4.900	0.049	0.0138
21029.0	SAN FRANCISCO- PIER 7	1506	5/1/95	39.0	0.880	0.012	-8.0000	2.500	0.027	0.0040
21030.0	MISSION CREEK- SITE 1	1507	5/2/95	39.0	1.100	0.011	-8.0000	8.000	0.138	0.0074
21031.0	MISSION CREEK- SITE 2	1508	5/1/95	39.0	10.000	0.232	0.0277	37.000	0.651	0.1123
	CONTROL-C1			40.0	0.800	0.008	0.0017	6.200	0.017	0.0562
21049.0	DOW CHEMICAL- KIRKER CREEK	1529	10/27/95	40.0	0.340	0.004	-8.0000	-9.000	-9.000	-8.0000
21050.0	GRIZZLY BAY- RMP BF20	1530	10/27/95	40.0	0.280	0.002	-8.0000	0.480	0.003	-8.0000
21051.0	BOYNTON SLOUGH- MF10	1531	10/28/95	40.0	0.250	0.003	-8.0000	1.400	0.013	-8.0000
21052.0	HILL SLOUGH- MF21	1532	10/28/95	40.0	0.260	0.003	-8.0000	0.710	0.013	-8.0000
21053.0	SUISUN SLOUGH	1533	10/27/95	40.0	0.270	0.003	-8.0000	0.930	0.012	-8.0000
21054.0	CHADBORNE SLOUGH- MF13	1534	10/27/95	40.0	0.390	0.004	-8.0000	2.200	0.007	-8.0000
21055.0	SEMPLE POINT-M.W. VA-7	1535	10/27/95	40.0	1.800	0.019	-8.0000	12.000	0.085	0.0030
21056.0	SELBY- S2	1536	10/27/95	40.0	0.350	0.004	-8.0000	2.300	0.044	-8.0000
21058.0	PG&E-VALLEJO-COAL GAS PLANT	1538	10/27/95	40.0	0.330	0.004	-8.0000	2.300	0.020	-8.0000
21059.0	PETALUMA RIVER MOUTH- BD20	1539	10/26/95	40.0	0.350	0.004	-8.0000	2.300	0.009	-8.0000
21060.0	MILLER CREEK- MD10	1540	10/26/95	40.0	0.360	0.004	-8.0000	1.600	0.025	-8.0000
				40.0	0.370	0.004	-8.0000	1.800	0.004	-8.0000

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STANUM	STATION	IDORG	DATE	LEG	EE_OTNH3	EE_OUNH3	EE_OH2S	EE_ITNH3	EE_IUNH3	EE_IH2S
21061.0	MILLER CREEK - MD11	1541	10/26/95	40.0	0.470	0.007	-8.0000	4.100	0.023	-8.0000
21062.0	GALLINAS CREEK - MD20	1542	10/26/95	40.0	0.490	0.005	-8.0000	1.100	0.024	-8.0000
21063.0	NOVATO CREEK - MD21	1543	10/26/95	40.0	0.430	0.006	-8.0000	3.000	0.076	-8.0000
21064.0	TOLAY CREEK MOUTH - MD31	1544	10/26/95	40.0	0.430	0.006	-8.0000	2.000	0.018	-8.0000
21065.0	SONOMA CREEK - MD33	1545	10/26/95	40.0	0.720	0.010	-8.0000	5.900	0.021	-8.0000
21066.0	NAPA SLOUGH - MD32	1546	10/26/95	40.0	0.700	0.008	-8.0000	1.800	0.021	-8.0000
21067.0	RICHMOND ROD AND GUN	1547	10/26/95	40.0	0.530	0.007	-8.0000	0.980	0.013	-8.0000
21068.0	SILVA ISLAND MARSH - MC61	1548	10/25/95	40.0	3.400	0.068	-8.0000	8.500	0.056	-8.0000
21069.0	SAUSALITO HARBOR - ANDERSON B.Y.	1549	10/26/95	40.0	0.820	0.012	-8.0000	3.500	0.018	-8.0000
20006.0	SAN PABLO BAY - TUBBS IS - REP #1	1551	10/26/95	40.0	0.670	0.009	-8.0000	1.600	0.032	-8.0000
20005.0	PARADISE COVE - REP #1	1552	10/26/95	40.0	1.800	0.023	-8.0000	4.600	0.051	-8.0000
	CONTROL - C1			41.0	-8.000	-8.000	-8.0000	-9.000	-9.000	-8.0000
21057.0	LAKE MERRIT - MW #307.5	1537	12/7/95	41.0	1.000	0.033	-8.0000	2.200	0.046	-8.0000
21070.0	YERBA BUENA ISLAND - NAVAL STN	1550	12/7/95	41.0	1.700	0.022	-8.0000	2.000	0.013	-8.0000
21071.0	TREASURE ISLAND - CLIPPER COVE	1553	12/7/95	41.0	0.730	0.011	-8.0000	5.100	0.021	0.0050
21072.0	CORTE MADERA MARSH - MC51	1554	12/5/95	41.0	0.890	0.014	-8.0000	1.200	0.016	-8.0000
21073.0	SANSOME STREET CSO - PIER 31	1555	12/6/95	41.0	0.830	0.015	-8.0000	6.100	0.022	0.0047
21074.0	HOWARD STREET CSO	1556	12/6/95	41.0	-8.000	-8.000	-8.0000	2.000	0.019	-8.0000
21075.0	BRANNAN STREET CSO - PIER 32	1557	12/6/95	41.0	0.760	0.015	-8.0000	3.200	0.014	0.0036
21076.0	CENTRAL BASIN - INNER	1558	12/6/95	41.0	0.490	0.009	-8.0000	3.800	0.014	0.0030
21077.0	CENTRAL BASIN - OUTER	1559	12/6/95	41.0	0.690	0.014	-8.0000	5.800	0.017	0.0011
21079.0	GASHOUSE COVE - LAGUNA ST. CSO	1561	12/7/95	41.0	0.680	0.009	-8.0000	5.800	0.042	0.0034
21080.0	PACIFIC DRYDOCK - 1-T4	1562	12/7/95	41.0	-8.000	0.003	-8.0000	3.100	0.019	-8.0000
21081.0	PACIFIC DRYDOCK - PPD #3	1563	12/7/95	41.0	0.400	0.007	-8.0000	2.500	0.034	-8.0000
21082.0	S.F. AIRPORT - SEAPLANE HARBOR	1564	12/6/95	41.0	-8.000	-8.000	-8.0000	2.100	0.022	-8.0000
21083.0	S.F. AIRPORT - CENTRAL	1565	12/6/95	41.0	2.100	0.029	-8.0000	3.700	0.030	0.0030
21084.0	S.F. AIRPORT - SOUTH	1566	12/6/95	41.0	0.350	0.007	-8.0000	2.000	0.011	-8.0000
21085.0	REDWOOD CREEK - BA40	1567	12/5/95	41.0	1.000	0.010	-8.0000	3.500	0.035	-8.0000
21086.0	REDWOOD CREEK - WEST	1568	12/6/95	41.0	0.400	0.005	-8.0000	3.300	0.034	-8.0000
21087.0	COYOTE CREEK - CX	1569	12/5/95	41.0	-8.000	-8.000	-8.0000	1.300	0.020	-8.0000
21088.0	ALVISO SLOUGH	1570	12/5/95	41.0	0.600	0.014	-8.0000	3.000	0.053	0.0008
21089.0	RAVENSWOOD SLOUGH - WEST	1571	12/5/95	41.0	0.370	0.007	-8.0000	4.100	0.069	-8.0000
21090.0	SOUTH BAY BASIN - BA20	1572	12/5/95	41.0	0.280	0.005	-8.0000	3.200	0.038	-8.0000
21091.0	DUMBARTON BRIDGE - BA30	1573	12/5/95	41.0	0.190	0.003	-8.0000	2.400	0.053	-8.0000
20013.0	NORTH SOUTH BAY - REP 1	1574	12/6/95	41.0	0.250	0.004	-8.0000	0.990	0.009	-8.0000
20014.0	SOUTH SOUTH BAY - REP 1	1575	12/6/95	41.0	-8.000	-8.000	-8.0000	2.100	0.040	-8.0000
20008.0	BOLINAS LAGOON	1576	12/5/95	41.0	0.330	0.004	-8.0000	2.000	0.018	-8.0000
21092.0	SOUTH BASIN - YOSEMITE CRK CSO	1577	12/6/95	41.0	0.110	0.002	-8.0000	1.900	0.018	-8.0000

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STANUM	STATION	IDORG	DATE	LEG	EE_OTNH3	EE_OUNH3	EE_OH2S	EE_ITNH3	EE_IUNH3	EE_IH2S
	CONTROL-C1			44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21062.0	GALLINAS CREEK-MD20	1613	6/10/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21065.0	SONOMA CREEK-MD33	1614	6/11/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21054.0	CHADBORNE SLOUGH-MF13	1615	6/11/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21068.0	SILVA ISLAND MARSH-MC61	1616	6/10/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21061.0	MILLER CREEK-MD11	1617	6/10/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21063.0	NOVATO CREEK-MD21	1618	6/11/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21069.0	SAUSALITO HARBOR-ANDERSON B. Y.	1619	6/10/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21088.0	ALVISO SLOUGH	1620	6/10/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21085.0	REDWOOD CREEK BA40	1621	6/10/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
20096.0	SAN PABLO BAY-TUBBS IS. REP 1	1622	6/11/96	44.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
	CONTROL-C1			50.0	-8.0000	-8.0000	-9.0000	-9.0000	-9.0000	-9.0000
21030.0	MISSION CREEK - SITE 1	1732	4/1/97	50.0	4.6000	0.2750	-9.0000	6.8000	0.0240	0.4493
21301.0	MISSION CREEK - MID GRADIENT	1733	4/1/97	50.0	2.1000	0.0860	-9.0000	5.1000	0.0250	0.0959
21302.0	MISSION CREEK - END GRADIENT	1734	4/1/97	50.0	1.6000	0.0210	-9.0000	5.0000	0.0110	0.1018
20011.0	ISLAIS CREEK	1735	4/1/97	50.0	9.1000	0.1670	-9.0000	25.0000	0.0740	0.4624
21303.0	ISLAIS CREEK - MID GRADIENT	1736	4/1/97	50.0	2.2000	0.0270	-9.0000	4.3000	0.0440	0.0608
21304.0	ISLAIS CREEK - END GRADIENT	1737	4/1/97	50.0	3.6000	0.2610	-9.0000	9.8000	0.1540	0.0606
21006.0	PEYTON SLOUGH - UPPER SITE 2	1738	4/2/97	50.0	3.0000	0.0380	-9.0000	6.3000	0.0750	0.0281
21305.0	PEYTON SLOUGH - MID GRADIENT	1739	4/2/97	50.0	22.0000	0.9900	-9.0000	29.0000	0.1390	0.0459
21306.0	PEYTON SLOUGH - END GRADIENT	1740	4/2/97	50.0	4.0000	0.0490	-9.0000	6.4000	0.0290	0.1420
21011.0	PARADISE COVE - REFERENCE	1741	4/3/97	50.0	-8.0000	-8.0000	-9.0000	1.5000	0.0090	0.0306
21029.0	SAN FRANCISCO - PIER 7	1742	4/1/97	50.0	1.8000	0.0320	-9.0000	3.9000	0.0110	0.0710
21074.0	HOWARD STREET CSO	1744	4/1/97	50.0	-8.0000	-8.0000	-9.0000	2.0000	0.0130	0.0249
21076.0	CENTRAL BASIN - INNER	1745	4/1/97	50.0	-8.0000	-8.0000	-9.0000	2.0000	0.0050	0.1264
21307.0	WALDO POINT	1746	4/2/97	50.0	1.7000	0.0310	-9.0000	2.7000	0.0200	0.0524
21308.0	WARM WATER COVE #2	1747	4/1/97	50.0	-8.0000	-8.0000	-9.0000	3.6000	0.0080	0.1148
	CONTROL-C1			51.0	1.6000	0.0260	-9.0000	-9.0000	-9.0000	-9.0000
20013.0	N. SOUTH BAY - REP #1	1749	4/16/97	51.0	0.4400	0.0030	-9.0000	11.7000	0.0630	0.0166
20007.0	SAN PABLO BAY-ISLAND #1- REP 1	1750	4/15/97	51.0	0.4200	0.0070	-9.0000	1.4000	0.0250	0.0091
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	5.1000	0.0750	-9.0000	4.8000	0.0550	0.0185
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000	-9.0000
21023.0	PACIFIC DRYDOCK - YARD 1	1753	4/15/97	51.0	8.2000	0.1180	-9.0000	16.0000	0.1160	0.1017
21026.0	OAKLAND - FRUITVALE	1754	4/15/97	51.0	3.1000	0.0390	-9.0000	5.1000	0.0320	0.1231
21310.0	SAN LEANDRO BAY - SITE 3	1755	4/17/97	51.0	2.0000	0.0320	-9.0000	5.0000	0.0370	0.0199
21311.0	SAN LEANDRO BAY - SITE 4	1756	4/17/97	51.0	2.9000	0.0470	-9.0000	10.0000	0.0540	0.0569
21312.0	SAN LEANDRO BAY - SITE 5	1757	4/17/97	51.0	1.9000	0.0300	-9.0000	4.0000	0.0220	0.0338
21313.0	SAN LEANDRO BAY - SITE 6	1758	4/17/97	51.0	1.9000	0.0210	-9.0000	4.5000	0.0230	0.0477

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STANUM	STATION	IDORG	DATE	LEG	EE_OTNH3	EE_OUNH3	EE_OH2S	EE_ITNH3	EE_IUNH3	EE_IH2S
21314.0	SAN LEANDRO BAY - SITE 7	1759	4/16/97	51.0	1.400	0.028	-9.0000	5.500	0.051	0.0787
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	-9.000	-9.000	-9.0000	-9.000	-9.000	-9.0000
21056.0	SELBY - S2	1761	4/15/97	51.0	0.400	0.006	-9.0000	3.700	0.039	0.0082
	CONTROL-CI			55.0	-8.000	-8.000	-9.0000	-9.000	-9.000	-9.0000
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	3.400	0.001	-9.0000	11.000	0.000	-8.0000
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	1.900	0.001	-9.0000	6.700	0.000	0.0544
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	2.900	0.107	-9.0000	4.800	0.012	-8.0000
21404.0	CARLSON CREEK REFERENCE	1798	10/6/97	55.0	1.800	0.052	-9.0000	3.200	0.012	-8.0000
	CONTROL-CI			56.0	-8.000	-8.000	-9.0000	-9.000	-9.000	-9.0000
21401.0	ZENECA MARSH #1	1799	12/3/97	56.0	1.900	0.000	-9.0000	3.200	0.000	0.5746
21402.0	ZENECA MARSH #2	1800	12/3/97	56.0	2.900	0.000	-9.0000	4.500	0.001	3.0920
21404.0	CARLSON CREEK REFERENCE	1801	12/3/97	56.0	4.600	0.022	-9.0000	15.000	0.051	-8.0000

Section 2

Strongylocentrotus purpuratus Development in Porewater

Strongylocentrotus purpuratus Development Toxicity Test for Porewater

STANUM	STATION	IDORG	DATE	LEG	SPPD100_MN	SPPD100_SD	SPPD100_SG	SPPD100TOX	SPPD50_MN	SPPD50_SD
	CONTROL-C1			35.0	96.00	2.00	-9	-9	-9.00	-9.00
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	94.00	5.00	ns	NT	-9.00	-9.00
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	96.00	2.00	ns	NT	-9.00	-9.00
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	96.00	3.00	ns	NT	-9.00	-9.00
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	96.00	3.00	ns	NT	-9.00	-9.00
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	97.00	2.00	ns	NT	-9.00	-9.00
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	97.00	1.00	ns	NT	-9.00	-9.00
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	97.00	1.00	ns	NT	-9.00	-9.00
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	94.00	3.00	ns	NT	-9.00	-9.00
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	97.00	2.00	ns	NT	-9.00	-9.00
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	82.00	4.00	*	T	-9.00	-9.00
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	64.00	20.00	*	T	-9.00	-9.00
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	71.00	7.00	*	T	-9.00	-9.00
20010.0	CASTRO COVE-EVSO4	1410	9/8/94	35.0	96.00	1.00	ns	NT	-9.00	-9.00
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	0.00	0.00	*	T	-9.00	-9.00
	CONTROL-C1			38.0	84.00	10.00	-9	-9	84.00	10.00
21021.0	OAKLAND INNER HBR.-TODD SHIPYD	1498	4/17/95	38.0	48.00	37.00	*	T	94.00	2.00
21022.0	OAKLAND INNER HBR.-SCHNITZER	1499	4/17/95	38.0	46.00	41.00	ns	NT	94.00	5.00
21023.0	PACIFIC DRYDOCK YARD 1	1500	4/17/95	38.0	97.00	1.00	*	NT	96.00	2.00
21024.0	PACIFIC DRYDOCK YARD 2	1501	4/17/95	38.0	94.00	5.00	*	NT	90.00	8.00
21025.0	NORTH GOVERNMENT ISLAND	1502	4/17/95	38.0	97.00	1.00	*	NT	95.00	5.00
21026.0	OAKLAND-FRUITVALE	1503	4/17/95	38.0	94.00	5.00	*	NT	96.00	2.00
21027.0	SAN LEANDRO BAY-SITE 1	1504	4/17/95	38.0	93.00	10.00	ns	NT	93.00	3.00
21028.0	SAN LEANDRO BAY -SITE 2	1505	4/17/95	38.0	5.00	3.00	*	T	95.00	3.00
21032.0	POTRERO POINT-WARM WATER COVE	1509	4/17/95	38.0	70.00	17.00	ns	NT	81.00	5.00
21033.0	NORTH INDIA BASIN-SITE 1	1510	4/17/95	38.0	95.00	3.00	*	NT	96.00	3.00
21034.0	SOUTH INDIA BASIN-SITE 2	1511	4/17/95	38.0	22.00	39.00	*	T	94.00	3.00
21035.0	SIERRA POINT	1512	4/17/95	38.0	89.00	10.00	ns	NT	89.00	6.00
21036.0	OYSTER POINT (WEST)-SITE 1	1513	4/17/95	38.0	67.00	18.00	ns	NT	69.00	25.00
21037.0	OYSTER POINT (EAST)-SITE 2	1514	4/17/95	38.0	91.00	5.00	ns	NT	89.00	6.00
21038.0	SAN BRUNO CHANNEL	1515	4/17/95	38.0	93.00	3.00	ns	NT	91.00	3.00
21039.0	STEINBERGER SLOUGH-NR MOUTH	1516	4/18/95	38.0	91.00	4.00	ns	NT	90.00	4.00
21040.0	STEINBERGER SLOUGH-NR FREEWAY	1517	4/18/95	38.0	85.00	3.00	ns	NT	95.00	4.00
21041.0	GUADALUPE SLOUGH	1518	4/19/95	38.0	0.00	0.00	*	T	30.00	34.00
21042.0	MAYFIELD SLOUGH-NR COOLEY LINDG	1519	4/18/95	38.0	97.00	1.00	*	NT	95.00	5.00
21043.0	MAYFIELD SLOUGH-NEAR SAND PT.	1520	4/18/95	38.0	94.00	3.00	*	NT	91.00	3.00
20013.0	NORTH SOUTH BAY REFERENCE	1521	4/18/95	38.0	87.00	4.00	ns	NT	90.00	10.00
20014.0	SOUTH SOUTH BAY REFERENCE	1522	4/18/95	38.0	98.00	1.00	*	NT	93.00	4.00

Strongylocentrotus purpuratus Development Toxicity Test for Porewater

STANUM	STATION	IDORG	DATE	LEG	SPPD100_MN	SPPD100_SD	SPPD100_SG	SPPD100TOX	SPPD50_MN	SPPD50_SD
21046.0	MOWRY SLOUGH	1523	4/19/95	38.0	97.00	1.00	*	NT	96.00	2.00
21047.0	COYOTE SLOUGH-@FIXED R/R BRIDG	1524	4/19/95	38.0	96.00	3.00	*	NT	95.00	4.00
	CONTROL-C1			39.0	96.00	4.00	-9	-9	96.00	4.00
21001.0	NORTH RESERVE FLEET-SUISUN	1478	5/1/95	39.0	89.00	9.00	ns	NT	98.00	1.00
21002.0	SOUTH RESERVE FLEET-SUISUN	1479	5/1/95	39.0	91.00	3.00	*	NT	95.00	3.00
21003.0	PACHECO CR-NEAR MOUTH-SITE 1	1480	5/1/95	39.0	91.00	3.00	*	NT	94.00	1.00
21004.0	PACHECO CR-ABOVE BRIDGE-SITE 2	1481	5/1/95	39.0	97.00	2.00	ns	NT	98.00	2.00
21005.0	PEYTON SLOUGH-MOUTH-SITE 1	1482	5/1/95	39.0	63.00	8.00	*	T	84.00	6.00
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1483	5/1/95	39.0	0.00	0.00	*	T	0.00	0.00
21007.0	VALLEJO-MARE ISLAND-NORTH SIDE	1484	5/2/95	39.0	98.00	1.00	ns	NT	97.00	1.00
21008.0	VALLEJO-MARE IS-SHIP ANCHORAGE	1485	5/2/95	39.0	97.00	1.00	ns	NT	98.00	0.00
20007.0	SAN PABLO BAY-IS. #1 REFERENCE	1486	5/2/95	39.0	97.00	3.00	ns	NT	96.00	2.00
21010.0	SAN PABLO BAY- HAMILTON	1487	5/2/95	39.0	98.00	2.00	ns	NT	96.00	3.00
20005.0	PARADISE COVE- REFERENCE	1488	5/1/95	39.0	96.00	2.00	ns	NT	97.00	2.00
21012.0	CASTRO COVE	1489	5/1/95	39.0	0.00	0.00	*	T	0.00	0.00
21013.0	POINT PORTRERO- SITE 1	1490	5/1/95	39.0	80.00	8.00	*	NT	96.00	1.00
21014.0	POINT PORTRERO- SITE 2	1491	5/1/95	39.0	88.00	6.00	*	NT	92.00	3.00
21015.0	SANTA FE CHANNEL- END	1492	5/1/95	39.0	81.00	9.00	*	NT	92.00	6.00
21016.0	RICHMOND HARBOR	1493	5/1/95	39.0	22.00	36.00	*	T	98.00	1.00
21017.0	RICHMOND INNER HBR.-HOFFMAN MR	1494	5/1/95	39.0	0.00	0.00	*	T	0.00	0.00
21018.0	CERRITO CREEK MOUTH	1495	5/1/95	39.0	97.00	4.00	ns	NT	98.00	2.00
21019.0	CORDORNICES CREEK MOUTH	1496	5/1/95	39.0	97.00	3.00	ns	NT	98.00	1.00
21020.0	EMERYVILLE MARSH	1497	5/1/95	39.0	97.00	1.00	ns	NT	88.00	8.00
21029.0	SAN FRANCISCO- PIER 7	1506	5/1/95	39.0	33.00	19.00	*	T	0.00	0.00
21030.0	MISSION CREEK- SITE 1	1507	5/2/95	39.0	0.00	0.00	*	T	0.00	0.00
21031.0	MISSION CREEK- SITE 2	1508	5/1/95	39.0	57.00	8.00	*	T	94.00	4.00
	CONTROL-C1			40.0	97.00	2.00	-9	-9	-9.00	-9.00
21049.0	DOW CHEMICAL- KIRKER CREEK	1529	10/27/95	40.0	83.00	13.00	ns	NT	-9.00	-9.00
21050.0	GRIZZLY BAY- RMP BF20	1530	10/27/95	40.0	95.00	6.00	ns	NT	-9.00	-9.00
21051.0	BOYNTON SLOUGH- MF10	1531	10/28/95	40.0	92.00	11.00	ns	NT	-9.00	-9.00
21052.0	HILL SLOUGH- MF21	1532	10/28/95	40.0	96.00	2.00	ns	NT	-9.00	-9.00
21053.0	SUISUN SLOUGH	1533	10/27/95	40.0	82.00	16.00	ns	NT	-9.00	-9.00
21054.0	CHADBORNE SLOUGH- MF13	1534	10/27/95	40.0	0.00	0.00	*	T	-9.00	-9.00
21055.0	SEMPLE POINT-M.W. VA-7	1535	10/27/95	40.0	93.00	5.00	ns	NT	-9.00	-9.00
21056.0	SELBY - S2	1536	10/27/95	40.0	2.00	4.00	*	T	-9.00	-9.00
21058.0	PG&E-VALLEJO-COAL GAS PLANT	1538	10/27/95	40.0	85.00	15.00	ns	NT	-9.00	-9.00
21059.0	PETALUMA RIVER MOUTH- BD20	1539	10/26/95	40.0	93.00	4.00	ns	NT	-9.00	-9.00
21060.0	MILLER CREEK- MD10	1540	10/26/95	40.0	79.00	22.00	ns	NT	-9.00	-9.00

Strongylocentrotus purpuratus Development Toxicity Test for Portwater

STANUM	STATION	IDORG	DATE	LEG	SPPD100 MN	SPPD100 SD	SPPD100 SG	SPPD100TOX	SPPD50 MN	SPPD50 SD
21061.0	MILLER CREEK - MD11	1541	10/26/95	40.0	0.00	0.00	*	T	-9.00	-9.00
21062.0	GALLINAS CREEK - MD20	1542	10/26/95	40.0	0.00	0.00	*	T	-9.00	-9.00
21063.0	NOVATO CREEK - MD21	1543	10/26/95	40.0	1.00	1.00	*	T	-9.00	-9.00
21064.0	TOLAY CREEK MOUTH - MD31	1544	10/26/95	40.0	94.00	5.00	ns	NT	-9.00	-9.00
21065.0	SONOMA CREEK - MD33	1545	10/26/95	40.0	0.00	0.00	*	T	-9.00	-9.00
21066.0	NAPA SLOUGH - MD32	1546	10/26/95	40.0	90.00	7.00	ns	NT	-9.00	-9.00
21067.0	RICHMOND ROJ AND GUN	1547	10/26/95	40.0	92.00	8.00	ns	NT	-9.00	-9.00
21068.0	SILVA ISLAND MARSH - MC61	1548	10/25/95	40.0	0.00	0.00	*	T	-9.00	-9.00
21069.0	SAUSALITO HARBOR - ANDERSON B. Y.	1549	10/26/95	40.0	5.00	6.00	*	T	-9.00	-9.00
20006.0	SAN PABLO BAY - TUBBS IS. - REP #1	1551	10/26/95	40.0	96.00	2.00	ns	NT	-9.00	-9.00
20005.0	PARADISE COVE - REP #1	1552	10/26/95	40.0	3.00	6.00	*	T	-9.00	-9.00
	CONTROL - C1			41.0	90.00	4.00	-9	-9	-9.00	-9.00
21057.0	LAKE MERRIT - MW #307.5	1537	12/7/95	41.0	93.00	3.00	*	NT	-9.00	-9.00
21070.0	YERBA BUENA ISLAND - NAVAL STN	1550	12/7/95	41.0	92.00	5.00	ns	NT	-9.00	-9.00
21071.0	TREASURE ISLAND - CLIPPER COVE	1553	12/7/95	41.0	26.00	24.00	*	T	-9.00	-9.00
21072.0	CORTE MADERA MARSH - MC51	1554	12/5/95	41.0	89.00	5.00	ns	NT	-9.00	-9.00
21073.0	SANSOME STREET CSO - PIER 31	1555	12/6/95	41.0	8.00	12.00	*	T	-9.00	-9.00
21074.0	HOWARD STREET CSO	1556	12/6/95	41.0	33.00	11.00	*	T	-9.00	-9.00
21075.0	BRANNAN STREET CSO - PIER 32	1557	12/6/95	41.0	59.00	8.00	*	T	-9.00	-9.00
21076.0	CENTRAL BASIN - INNER	1558	12/6/95	41.0	58.00	12.00	*	T	-9.00	-9.00
21077.0	CENTRAL BASIN - OUTER	1559	12/6/95	41.0	10.00	13.00	*	T	-9.00	-9.00
21079.0	GASHOUSE COVE - LAGUNA ST. CSO	1561	12/7/95	41.0	12.00	12.00	*	T	-9.00	-9.00
21080.0	PACIFIC DRYDOCK - 1-T4	1562	12/7/95	41.0	83.00	14.00	ns	NT	-9.00	-9.00
21081.0	PACIFIC DRYDOCK - PPD #3	1563	12/7/95	41.0	89.00	3.00	ns	NT	-9.00	-9.00
21082.0	S.F. AIRPORT - SEAPLANE HARBOR	1564	12/6/95	41.0	87.00	5.00	ns	NT	-9.00	-9.00
21083.0	S.F. AIRPORT - CENTRAL	1565	12/6/95	41.0	80.00	13.00	ns	NT	-9.00	-9.00
21084.0	S.F. AIRPORT - SOUTH	1566	12/6/95	41.0	80.00	4.00	*	NT	-9.00	-9.00
21085.0	REDWOOD CREEK - BA40	1567	12/5/95	41.0	3.00	3.00	*	T	-9.00	-9.00
21086.0	REDWOOD CREEK - WEST	1568	12/6/95	41.0	87.00	4.00	ns	NT	-9.00	-9.00
21087.0	COYOTE CREEK - CX	1569	12/5/95	41.0	87.00	4.00	ns	NT	-9.00	-9.00
21088.0	ALVISO SLOUGH	1570	12/5/95	41.0	76.00	7.00	*	NT	-9.00	-9.00
21089.0	RAVENSWOOD SLOUGH - WEST	1571	12/5/95	41.0	86.00	5.00	ns	NT	-9.00	-9.00
21090.0	SOUTH BAY BASIN - BA20	1572	12/5/95	41.0	49.00	9.00	*	T	-9.00	-9.00
21091.0	DUMBARTON BRIDGE - BA30	1573	12/5/95	41.0	86.00	6.00	ns	NT	-9.00	-9.00
20013.0	NORTH SOUTH BAY - REP 1	1574	12/6/95	41.0	0.00	0.00	*	T	-9.00	-9.00
20014.0	SOUTH SOUTH BAY - REP 1	1575	12/6/95	41.0	89.00	2.00	ns	NT	-9.00	-9.00
20008.0	BOLINAS LAGOON	1576	12/5/95	41.0	88.00	4.00	ns	NT	-9.00	-9.00
21092.0	SOUTH BASIN - YOSEMITE CRK CSO	1577	12/6/95	41.0	82.00	6.00	ns	NT	-9.00	-9.00

Strongylocentrotus purpuratus Development Toxicity Test for Porewater

STANUM	STATION	IDORG	DATE	LEG	SPPD50_SG	SPPD50_TOX	SPPD25_MN	SPPD25_SD	SPPD25_SG	SPPD25_TOX
	CONTROL-CI			35.0	-9	-9	-9.00	-9.00	-9	-9
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20010.0	CASTRO COVE-EV/SO4	1410	9/8/94	35.0	-9	-9	-9.00	-9.00	-9	-9
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	-9	-9	-9.00	-9.00	-9	-9
	CONTROL-CI			38.0	-9	-9	84.00	10.00	-9	-9
21021.0	OAKLAND INNER HBR.-TODD SHIPP(D)	1498	4/17/95	38.0	*	NT	92.00	4.00	ns	NT
21022.0	OAKLAND INNER HBR.-SCHNITZER	1499	4/17/95	38.0	*	NT	93.00	4.00	*	NT
21023.0	PACIFIC DRYDOCK YARD 1	1500	4/17/95	38.0	*	NT	94.00	2.00	*	NT
21024.0	PACIFIC DRYDOCK YARD 2	1501	4/17/95	38.0	ns	NT	92.00	3.00	ns	NT
21025.0	NORTH GOVERNMENT ISLAND	1502	4/17/95	38.0	*	NT	90.00	4.00	ns	NT
21026.0	OAKLAND-FRUITVALE	1503	4/17/95	38.0	*	NT	82.00	33.00	ns	NT
21027.0	SAN LEANDRO BAY-SITE 1	1504	4/17/95	38.0	ns	NT	94.00	2.00	*	NT
21028.0	SAN LEANDRO BAY-SITE 2	1505	4/17/95	38.0	*	NT	94.00	3.00	*	NT
21032.0	POTREPO POINT-WARM WATER COVE	1509	4/17/95	38.0	ns	NT	87.00	4.00	ns	NT
21033.0	NORTH INDIA BASIN-SITE 1	1510	4/17/95	38.0	*	NT	94.00	3.00	*	NT
21034.0	SOUTH INDIA BASIN-SITE 2	1511	4/17/95	38.0	*	NT	78.00	25.00	ns	NT
21035.0	SIERRA POINT	1512	4/17/95	38.0	ns	NT	93.00	4.00	ns	NT
21036.0	OYSTER POINT (WEST)-SITE 1	1513	4/17/95	38.0	ns	NT	87.00	6.00	ns	NT
21037.0	OYSTER POINT (EAST)-SITE 2	1514	4/17/95	38.0	ns	NT	94.00	2.00	*	NT
21038.0	SAN BRUNO CHANNEL	1515	4/17/95	38.0	ns	NT	89.00	9.00	ns	NT
21039.0	STEINBERGER SLOUGH-NR MOUTH	1516	4/18/95	38.0	ns	NT	94.00	2.00	*	NT
21040.0	STEINBERGER SLOUGH-NR FREEWAY	1517	4/18/95	38.0	*	NT	93.00	3.00	*	NT
21041.0	GUADALUPE SLOUGH	1518	4/19/95	38.0	*	T	85.00	27.00	ns	NT
21042.0	MAYFIELD SLOUGH-NR COOLEY LIDNG	1519	4/18/95	38.0	*	NT	87.00	4.00	ns	NT
21043.0	MAYFIELD SLOUGH-NEAR SAND PT.	1520	4/18/95	38.0	ns	NT	92.00	3.00	ns	NT
20013.0	NORTH-SOUTH BAY-REFERENCE	1521	4/18/95	38.0	ns	NT	89.00	5.00	ns	NT
20014.0	SOUTH-SOUTH BAY-REFERENCE	1522	4/18/95	38.0	ns	NT	93.00	5.00	ns	NT

Strongylocentrotus purpuratus Development Toxicity Test for Potrawater

STANUM	STATION	IDORG	DATE	LEG	SPPD50_SG	SPPD50_TOX	SPPD25_MN	SPPD25_SD	SPPD25_SG	SPPD25_TOX
21046.0	MOWRY SLOUGH	1523	4/19/95	38.0	*	NT	94.00	4.00	*	NT
21047.0	COYOTE SLOUGH-@FIXED R/R BRIDG CONTROL-C1	1524	4/19/95	38.0	*	NT	91.00	3.00	ns	NT
				39.0	-9	-9	96.00	4.00	-9	-9
21001.0	NORTH RESERVE FLEET-SUISUN	1478	5/1/95	39.0	ns	NT	98.00	2.00	ns	NT
21002.0	SOUTH RESERVE FLEET-SUISUN	1479	5/1/95	39.0	ns	NT	93.00	4.00	ns	NT
21003.0	PACHECO CR-NEAR MOUTH-SITE 1	1480	5/1/95	39.0	ns	NT	98.00	1.00	ns	NT
21004.0	PACHECO CR-ABOVE BRIDGE-SITE 2	1481	5/1/95	39.0	ns	NT	98.00	1.00	ns	NT
21005.0	PEYTON SLOUGH-MOUTH-SITE 1	1482	5/1/95	39.0	*	NT	89.00	5.00	*	NT
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1483	5/1/95	39.0	*	T	1.00	1.00	*	T
21007.0	VALLEJO-MARE ISLAND-NORTH SIDE	1484	5/2/95	39.0	ns	NT	97.00	3.00	ns	NT
21008.0	VALLEJO-MARE IS-SHIP ANCHORAGE	1485	5/2/95	39.0	ns	NT	98.00	2.00	ns	NT
20007.0	SAN PABLO BAY-IS. #1 REFERENCE	1486	5/2/95	39.0	ns	NT	98.00	2.00	ns	NT
21010.0	SAN PABLO BAY- HAMILTON	1487	5/2/95	39.0	ns	NT	97.00	2.00	ns	NT
20005.0	PARADISE COVE- REFERENCE	1488	5/1/95	39.0	ns	NT	97.00	2.00	ns	NT
21012.0	CASTRO COVE	1489	5/1/95	39.0	*	T	1.00	2.00	*	T
21013.0	POINT PORTRERO- SITE 1	1490	5/1/95	39.0	ns	NT	97.00	2.00	ns	NT
21014.0	POINT PORTRERO- SITE 2	1491	5/1/95	39.0	ns	NT	94.00	4.00	ns	NT
21015.0	SANTA FE CHANNEL- END	1492	5/1/95	39.0	ns	NT	96.00	4.00	ns	NT
21016.0	RICHMOND HARBOR	1493	5/1/95	39.0	ns	NT	96.00	1.00	ns	NT
21017.0	RICHMOND INNER HBR.-HOFFMAN MR	1494	5/1/95	39.0	*	T	6.00	7.00	*	T
21018.0	CERRITO CREEK MOUTH	1495	5/1/95	39.0	ns	NT	98.00	2.00	ns	NT
21019.0	CORDORNICES CREEK MOUTH	1496	5/1/95	39.0	ns	NT	98.00	1.00	ns	NT
21020.0	EMERYVILLE MARSH	1497	5/1/95	39.0	ns	NT	97.00	1.00	ns	NT
21029.0	SAN FRANCISCO- PIER 7	1506	5/1/95	39.0	*	NT	97.00	2.00	ns	NT
21030.0	MISSION CREEK- SITE 1	1507	5/2/95	39.0	*	T	0.00	0.00	*	T
21031.0	MISSION CREEK- SITE 2	1508	5/1/95	39.0	-9	NT	96.00	3.00	ns	NT
	CONTROL-C1			40.0	-9	-9	-9.00	-9.00	-9	-9
21049.0	FOX CHEMICAL- KIRKER CREEK	1529	10/27/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21050.0	GRIZZLY BAY- RMP BF20	1530	10/27/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21051.0	BOYNTON SLOUGH- MF10	1531	10/28/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21052.0	HILL SLOUGH- MF21	1532	10/28/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21053.0	SUISUN SLOUGH	1533	10/27/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21054.0	CHADBORNE SLOUGH- MF13	1534	10/27/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21055.0	SEMPLE POINT-M.W. VA-7	1535	10/27/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21056.0	SELBY - S2	1536	10/27/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21058.0	PG&E-VALLEJO-COAL GAS PLANT	1538	10/27/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21059.0	PETALUMA RIVER MOUTH- BD20	1539	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21060.0	MILLER CREEK- MD10	1540	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9

Strongylocentrotus purpuratus Development Toxicity Test for Forewater

STANUM	STATION	IDORG	DATE	LEG	SPPD50_SG	SPPD50_TOX	SPPD25_MIN	SPPD25_SD	SPPD25_SG	SPPD25_TOX
21061.0	MILLER CREEK- MD11	1541	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21062.0	GALLINAS CREEK- MD20	1542	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21063.0	NOVATO CREEK- MD21	1543	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21064.0	TOLAY CREEK MOUTH- MD31	1544	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21065.0	SONOMA CREEK- MD33	1545	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21066.0	NAPA SLOUGH- MD32	1546	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21067.0	RICHMOND ROY AND GUN	1547	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21068.0	SILVA ISLAND MARSH- MC61	1548	10/25/95	40.0	-9	-9	-9.00	-9.00	-9	-9
21069.0	SAUSALITO HARBOR-ANDERSON B.Y.	1549	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
20006.0	SAN PABLO BAY-TUBBS IS.-REP #1	1551	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
20005.0	PARADISE COVE-REP #1	1552	10/26/95	40.0	-9	-9	-9.00	-9.00	-9	-9
	CONTROL-CI			41.0	-9	-9	-9.00	-9.00	-9	-9
21057.0	LAKE MERRIT - MW #307.5	1537	12/7/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21070.0	YERBA BUENA ISLAND - NAVAL STN	1550	12/7/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21071.0	TREASURE ISLAND - CLIPPER COVE	1553	12/7/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21072.0	CORTE MADERA MARSH - MC51	1554	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21073.0	SANSOME STREET CSO - PIER 31	1555	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21074.0	HOWARD STREET CSO	1556	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21075.0	BRANNAN STREET CSO - PIER 32	1557	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21076.0	CENTRAL BASIN - INNER	1558	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21077.0	CENTRAL BASIN - OUTER	1559	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21079.0	GASHOUSE COVE - LAGUNA ST. CSO	1561	12/7/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21080.0	PACIFIC DRYDOCK - 1-T4	1562	12/7/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21081.0	PACIFIC DRYDOCK - PPD #3	1563	12/7/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21082.0	S.F. AIRPORT - SEAPLANE HARBOR	1564	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21083.0	S.F. AIRPORT - CENTRAL	1565	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21084.0	S.F. AIRPORT - SOUTH	1566	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21085.0	REDWOOD CREEK - BA40	1567	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21086.0	REDWOOD CREEK - WEST	1568	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21087.0	COYOTE CREEK - CX	1569	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21088.0	ALVISO SLOUGH	1570	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21089.0	RAVENSWOOD SLOUGH - WEST	1571	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21090.0	SOUTH BAY BASIN - BA20	1572	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21091.0	DUMBARTON BRIDGE - BA30	1573	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
20013.0	NORTH SOUTH BAY - REP 1	1574	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
20014.0	SOUTH SOUTH BAY - REP 1	1575	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9
20008.0	BOLINAS LAGOON	1576	12/5/95	41.0	-9	-9	-9.00	-9.00	-9	-9
21092.0	SOUTH BASIN - YOSEMITE CRK CSO	1577	12/6/95	41.0	-9	-9	-9.00	-9.00	-9	-9

Strongylocentrotus purpuratus Development Toxicity Test for Porewater

STANUM	STATION	IDORG	DATE	LEG	SPPD_BATCH	SPPDQC	SPPD_ITNH3	SPPD_IUNH3	SPPD_IH2S
	CONTROL-C1			35.0	b035spda01	-3	-9.000	-9.000	-9.0000
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	b035spda01	-3	1.000	0.008	-8.0000
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	b035spda01	-3	0.970	0.008	-8.0000
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	b035spda01	-3	0.950	0.009	-8.0000
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	b035spda01	-3	1.200	0.012	-8.0000
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	b035spda01	-3	1.200	0.012	-8.0000
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	b035spda01	-3	1.100	0.020	-8.0000
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	b035spda01	-3	1.500	0.019	-8.0000
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	b035spda01	-3	1.500	0.029	-8.0000
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	b035spda01	-3	1.300	0.024	-8.0000
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	b035spda01	-3	3.100	0.049	-8.0000
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	b035spda01	-3	2.700	0.027	-8.0000
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	b035spda01	-3	2.900	0.029	-8.0000
20010.0	CASTRO COVE-EVSO4	1410	9/8/94	35.0	b035spda01	-3	2.200	0.037	-8.0000
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	b035spda01	-3	26.000	0.478	0.0620
	CONTROL-C1			38.0	b038spda01	-3	-8.000	-8.000	-9.0000
21021.0	OAKLAND INNER HBR.-TODD SHIPYD	1498	4/17/95	38.0	b038spda01	-5	2.900	0.065	-8.0000
21022.0	OAKLAND INNER HBR.-SCHNITZER	1499	4/17/95	38.0	b038spda01	-3	8.100	0.064	-8.0000
21023.0	PACIFIC DRYDOCK YARD 1	1500	4/17/95	38.0	b038spda01	-3	1.300	0.028	0.0207
21024.0	PACIFIC DRYDOCK YARD 2	1501	4/17/95	38.0	b038spda01	-3	1.500	0.029	-8.0000
21025.0	NORTH GOVERNMENT ISLAND	1502	4/17/95	38.0	b038spda01	-3	1.100	0.021	-8.0000
21026.0	OAKLAND-FRUITVALE	1503	4/17/95	38.0	b038spda01	-3	0.950	0.010	-8.0000
21027.0	SAN LEANDRO BAY-SITE 1	1504	4/17/95	38.0	b038spda01	-3	0.930	0.010	-8.0000
21028.0	SAN LEANDRO BAY-SITE 2	1505	4/17/95	38.0	b038spda01	-3	3.500	0.090	-8.0000
21032.0	POTRERO POINT-WARM WATER COVE	1509	4/17/95	38.0	b038spda01	-3	2.500	0.052	0.0043
21033.0	NORTH INDIA BASIN-SITE 1	1510	4/17/95	38.0	b038spda01	-3	0.620	0.013	-8.0000
21034.0	SOUTH INDIA BASIN-SITE 2	1511	4/17/95	38.0	b038spda01	-3	2.800	0.054	-8.0000
21035.0	SIERRA POINT	1512	4/17/95	38.0	b038spda01	-3	0.540	0.009	-8.0000
21036.0	OYSTER POINT (WEST)-SITE 1	1513	4/17/95	38.0	b038spda01	-3	1.600	0.028	-8.0000
21037.0	OYSTER POINT (EAST)-SITE 2	1514	4/17/95	38.0	b038spda01	-3	1.200	0.024	0.0037
21038.0	SAN BRUNO CHANNEL	1515	4/17/95	38.0	b038spda01	-3	0.490	0.013	-8.0000
21039.0	STEINBERGER SLOUGH-NR MOUTH	1516	4/18/95	38.0	b038spda01	-3	0.610	0.015	-8.0000
21040.0	STEINBERGER SLOUGH-NR FREEWAY	1517	4/18/95	38.0	b038spda01	-3	1.600	0.041	0.0045
21041.0	GUADALUPE SLOUGH	1518	4/19/95	38.0	b038spda01	-5	6.000	0.034	0.0396
21042.0	MAYFIELD SLOUGH-NR COOLEY LDNG	1519	4/18/95	38.0	b038spda01	-3	1.100	0.031	-8.0000
21043.0	MAYFIELD SLOUGH-NR SAND PT.	1520	4/18/95	38.0	b038spda01	-3	0.630	0.011	-8.0000
20013.0	NORTH-SOUTH BAY-REFERENCE	1521	4/18/95	38.0	b038spda01	-3	0.650	0.017	-8.0000
20014.0	SOUTH-SOUTH BAY-REFERENCE	1522	4/18/95	38.0	b038spda01	-3	0.490	0.010	-8.0000

Strongylocentrotus purpuratus Development Toxicity Test for Porewater

STANUM	STATION	IDORG	DATE	LEG	SPPD_BATCH	SPPDQC	SPPD_ITNH3	SPPD_JUNH3	SPPD_IH2S
21046.0	MOWRY SLOUGH	1523	4/19/95	38.0	b038spda01	-3	0.940	0.019	-8.0000
21047.0	COYOTE SLOUGH-@FIXED R/R BRIDG CONTROL-C1	1524	4/19/95	38.0	b038spda01	-3	0.780	0.015	-8.0000
				39.0	b039spda01	-4	-8.000	-8.000	-8.0000
21001.0	NORTH RESERVE FLEET-SUISUN	1478	5/1/95	39.0	b039spda01	-3	0.780	0.031	0.0124
21002.0	SOUTH RESERVE FLEET-SUISUN	1479	5/1/95	39.0	b039spda01	-3	0.260	0.008	0.0110
21003.0	PACHECO CR-NEAR MOUTH-SITE 1	1480	5/1/95	39.0	b039spda01	-3	0.410	0.017	0.0045
21004.0	PACHECO CR-ABOVE BRIDGE-SITE 2	1481	5/1/95	39.0	b039spda01	-3	0.480	0.020	0.0145
21005.0	PEYTON SLOUGH-MOUTH-SITE 1	1482	5/1/95	39.0	b039spda01	-3	0.170	0.005	0.0122
21006.0	PEYTON SLOUGH-UPPER-SITE 2	1483	5/1/95	39.0	b039spda01	-3	0.310	0.011	0.0243
21007.0	VALLEJO-MARE ISLAND-NORTH SIDE	1484	5/2/95	39.0	b039spda01	-4	0.250	0.008	0.0041
21008.0	VALLEJO-MARE IS-SHIP ANCHORAGE	1485	5/2/95	39.0	b039spda01	-3	0.770	0.030	0.0081
20007.0	SAN PABLO BAY-IS-#1 REFERENCE	1486	5/2/95	39.0	b039spda01	-3	0.420	0.014	0.0041
21010.0	SAN PABLO BAY- HAMILTON	1487	5/2/95	39.0	b039spda01	-3	0.380	0.007	0.0080
20005.0	PARADISE COVE- REFERENCE	1488	5/1/95	39.0	b039spda01	-3	0.370	0.007	0.0063
21012.0	CASTRO COVE	1489	5/1/95	39.0	b039spda01	-3	0.500	0.019	0.0096
21013.0	POINT PORTRERO- SITE 1	1490	5/1/95	39.0	b039spda01	-4	1.500	0.062	0.0066
21014.0	POINT PORTRERO- SITE 2	1491	5/1/95	39.0	b039spda01	-4	1.600	0.045	0.0207
21015.0	SANTA FE CHANNEL- END	1492	5/1/95	39.0	b039spda01	-3	2.300	0.068	0.0379
21016.0	RICHMOND HARBOR	1493	5/1/95	39.0	b039spda01	-4	3.000	0.121	0.0040
21017.0	RICHMOND INNER HBR.-HOFFMAN MR	1494	5/1/95	39.0	b039spda01	-3	2.300	0.062	0.0137
21018.0	CERRITO CREEK MOUTH	1495	5/1/95	39.0	b039spda01	-4	1.000	0.022	0.0102
21019.0	CORDORNICES CREEK MOUTH	1496	5/1/95	39.0	b039spda01	-4	0.830	0.031	0.0283
21020.0	EMERYVILLE MARSH	1497	5/1/95	39.0	b039spda01	-4	0.720	0.016	-8.0000
21029.0	SAN FRANCISCO- PIEK 7	1506	5/1/95	39.0	b039spda01	-4	3.000	0.124	0.7898
21030.0	MISSION CREEK- SITE 1	1507	5/2/95	39.0	b039spda01	-5	21.000	1.201	0.9204
21031.0	MISSION CREEK- SITE 2 CONTROL-C1	1508	5/1/95	39.0	b039spda01	-3	4.900	0.088	0.0151
				40.0	b040spda01	-4	-8.000	-8.000	-8.0000
21049.0	DOW CHEMICAL- KIRKER CREEK	1529	10/27/95	40.0	b040spda01	-4	0.370	0.007	-8.0000
21050.0	GRIZZLY BAY- RMP BF20	1530	10/27/95	40.0	b040spda01	-4	0.970	0.009	-8.0000
21051.0	BOYNTON SLOUGH- MF10	1531	10/28/95	40.0	b040spda01	-4	0.720	0.011	-8.0000
21052.0	HILL SLOUGH- MF21	1532	10/28/95	40.0	b040spda01	-4	0.640	0.012	-8.0000
21053.0	SUISUN SLOUGH	1533	10/27/95	40.0	b040spda01	-4	1.100	0.021	-8.0000
21054.0	CHADBORNE SLOUGH- MF13	1534	10/27/95	40.0	b040spda01	-4	5.200	0.206	0.0075
21055.0	SEMPLE POINT-M.W. VA-7	1535	10/27/95	40.0	b040spda01	-4	1.100	0.018	-8.0000
21056.0	SELBY - S2	1536	10/27/95	40.0	b040spda01	-4	1.300	0.022	-8.0000
21058.0	PG&E-VALLEJO-COAL GAS PLANT	1538	10/27/95	40.0	b040spda01	-4	1.600	0.026	-8.0000
21059.0	PETALUMA RIVER MOUTH- BD20	1539	10/26/95	40.0	b040spda01	-4	1.300	0.012	-8.0000
21060.0	MILLER CREEK- MD10	1540	10/26/95	40.0	b040spda01	-4	1.100	0.017	-8.0000

Strongylocentrotus purpuratus Development Toxicity Test for Porewater

STANUM	STATION	IDORG	DATE	LEG	SPPD_BATCH	SPPDQC	SPPD_ITNH3	SPPD_IUNH3	SPPD_IH2S
21061.0	MILLER CREEK - MD11	1541	10/26/95	40.0	b040spda01	-4	3.300	0.091	-8.0000
21062.0	GALLINAS CREEK - MD20	1542	10/26/95	40.0	b040spda01	-4	0.850	0.014	-8.0000
21063.0	NOVATO CREEK - MD21	1543	10/26/95	40.0	b040spda01	-4	1.800	0.032	-8.0000
21064.0	TOLAY CREEK MOUTH - MD31	1544	10/26/95	40.0	b040spda01	-4	1.400	0.017	-8.0000
21065.0	SONOMA CREEK - MD33	1545	10/26/95	40.0	b040spda01	-4	3.400	0.146	-8.0000
21066.0	NAPA SLOUGH - MD32	1546	10/26/95	40.0	b040spda01	-4	1.500	0.031	-8.0000
21067.0	RICHMOND ROD AND GUN	1547	10/26/95	40.0	b040spda01	-4	1.100	0.028	-8.0000
21068.0	SILVA ISLAND MARSH - MC61	1548	10/25/95	40.0	b040spda01	-4	4.900	0.165	-8.0000
21069.0	SAUSALITO HARBOR - ANDERSON B.Y.	1549	10/26/95	40.0	b040spda01	-4	3.500	0.088	-8.0000
20006.0	SAN PABLO BAY - TUBBS IS - REP #1	1551	10/26/95	40.0	b040spda01	-4	1.500	0.025	-8.0000
20005.0	PARADISE COVE - REP #1	1552	10/26/95	40.0	b040spda01	-4	2.000	0.056	-8.0000
	CONTROL-C1			41.0	b041spda01	-3	0.100	0.002	-8.0000
21057.0	LAKE MERRIT - MW #307.5	1537	12/7/95	41.0	b041spda01	-3	2.100	0.052	-8.0000
21070.0	YERBA BUENA ISLAND - NAVAL STN	1550	12/7/95	41.0	b041spda01	-3	1.900	0.048	-8.0000
21071.0	TREASURE ISLAND - CLIPPER COVE	1553	12/7/95	41.0	b041spda01	-3	5.200	0.088	-8.0000
21072.0	CORTE MAJERA MARSH - MC51	1554	12/5/95	41.0	b041spda01	-3	1.000	0.025	-8.0000
21073.0	SANSOME STREET CSO - PIER 31	1555	12/6/95	41.0	b041spda01	-3	9.500	0.300	-8.0000
21074.0	HOWARD STREET CSO	1556	12/6/95	41.0	b041spda01	-3	1.600	0.016	-8.0000
21075.0	BRANNAN STREET CSO - PIER 32	1557	12/6/95	41.0	b041spda01	-3	3.200	0.054	-8.0000
21076.0	CENTRAL BASIN - INNER	1558	12/6/95	41.0	b041spda01	-3	4.100	0.095	-8.0000
21077.0	CENTRAL BASIN - OUTER	1559	12/6/95	41.0	b041spda01	-3	7.100	0.226	-8.0000
21079.0	GASHOUSE COVE - LAGUNA ST. CSO	1561	12/7/95	41.0	b041spda01	-3	7.400	0.279	-8.0000
21080.0	PACIFIC DRYDOCK - 1-T4	1562	12/7/95	41.0	b041spda01	-3	2.100	0.050	-8.0000
21081.0	PACIFIC DRYDOCK - PPD #3	1563	12/7/95	41.0	b041spda01	-3	1.200	0.021	-8.0000
21082.0	S.F. AIRPORT - SEAPLANE HARBOR	1564	12/6/95	41.0	b041spda01	-3	1.900	0.040	-8.0000
21083.0	S.F. AIRPORT - CENTRAL	1565	12/6/95	41.0	b041spda01	-3	3.100	0.057	-8.0000
21084.0	S.F. AIRPORT - SOUTH	1566	12/6/95	41.0	b041spda01	-3	2.300	0.056	-8.0000
21085.0	REDWOOD CREEK - BA40	1567	12/5/95	41.0	b041spda01	-3	4.600	0.216	-8.0000
21086.0	REDWOOD CREEK - WEST	1568	12/6/95	41.0	b041spda01	-3	1.600	0.028	-8.0000
21087.0	COYOTE CREEK - CX	1569	12/5/95	41.0	b041spda01	-3	0.870	0.031	-8.0000
21088.0	ALVISO SLOUGH	1570	12/5/95	41.0	b041spda01	-3	2.600	0.083	-8.0000
21089.0	RAVENSWOOD SLOUGH - WEST	1571	12/5/95	41.0	b041spda01	-3	1.300	0.052	-8.0000
21090.0	SOUTH BAY BASIN - BA20	1572	12/5/95	41.0	b041spda01	-3	0.400	0.004	-8.0000
21091.0	DUMBARTON BRIDGE - BA30	1573	12/5/95	41.0	b041spda01	-3	0.300	0.004	-8.0000
20013.0	NORTH SOUTH BAY - REP 1	1574	12/6/95	41.0	b041spda01	-3	0.650	0.006	-8.0000
20014.0	SOUTH SOUTH BAY - REP 1	1575	12/6/95	41.0	b041spda01	-3	0.550	0.012	-8.0000
20008.0	BOJINAS LAGOON	1576	12/5/95	41.0	b041spda01	-3	0.910	0.024	-8.0000
21092.0	SOUTH BASIN - YOSEMITE CRK CSO	1577	12/6/95	41.0	b041spda01	-3	0.890	0.007	-8.0000

Section 3

Strongylocentrotus purpuratus Development in Intact Sediment Cores

Strongylocentrotus purpuratus Development Toxicity Tests for Intact Sediment Cores

STANIUM STATION	IDORG	DATE	LEG	SPDI_MN	SPDI_SD	SPDI_SC	SPDI_TOX	SPDI_BATCH	SPDIQC	SPDI_OTNH3
CONTROL-C1			35.0	93.00	2.00	-9	-9	b035spda02	-4	-9.000
20005.0 PARADISE COVE-REP 1	1398	9/7/94	35.0	95.00	2.00	ns	NT	b035spda02	-4	-9.000
20005.0 PARADISE COVE-REP 2	1399	9/7/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20005.0 PARADISE COVE-REP 3	1400	9/7/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20006.0 SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	94.00	2.00	ns	NT	b035spda02	-4	-9.000
20006.0 SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20006.0 SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20007.0 SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	98.00	2.00	*	NT	b035spda02	-4	0.130
20007.0 SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20007.0 SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20009.0 TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	77.00	43.00	ns	NT	b035spda02	-4	0.400
20009.0 TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20009.0 TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
20010.0 CASTRO COVE-EVSO4	1410	9/8/94	35.0	97.00	3.00	*	NT	b035spda02	-4	4.100
20011.0 ISLAIS CREEK	1411	9/6/94	35.0	0.00	0.00	*	T	b035spda02	-4	8.900
CONTROL-C1			44.0	95.00	2.00	-9	-9	144tswi.xl	-3	-8.000
21062.0 GALLINAS CREEK-MD20	1613	6/10/96	44.0	81.00	23.00	ns	NT	144tswi.xl	-3	-8.000
21065.0 SONOMA CREEK-MD33	1614	6/11/96	44.0	98.00	1.00	*	NT	144tswi.xl	-3	-8.000
21054.0 CHADBORNE SLOUGH-MF13	1615	6/11/96	44.0	47.00	34.00	*	T	144tswi.xl	-4	0.870
21068.0 SILVA ISLAND MARSH-MC61	1616	6/10/96	44.0	44.00	15.00	*	T	144tswi.xl	-4	1.900
21061.0 MILLER CREEK-MD11	1617	6/10/96	44.0	89.00	12.00	ns	NT	144tswi.xl	-5	2.300
21063.0 NOVATO CREEK-MD21	1618	6/11/96	44.0	98.00	1.00	*	NT	144tswi.xl	-3	0.120
21069.0 SAUSALITO HARBOR-ANDERSON B.Y.	1619	6/10/96	44.0	89.00	8.00	ns	NT	144tswi.xl	-4	2.000
21088.0 ALVISO SLOUGH	1620	6/10/96	44.0	98.00	1.00	*	NT	144tswi.xl	-3	0.120
21085.0 REDWOOD CREEK BA40	1621	6/10/96	44.0	98.00	2.00	ns	NT	144tswi.xl	-4	0.170
20006.0 SAN PABLO BAY-TUBBS IS. REP 1	1622	6/11/96	44.0	98.00	1.00	*	NT	144tswi.xl	-5	0.120
CONTROL-C1			50.0	99.00	2.00	-9	-9	150tspdswi	-4	1.700
21030.0 MISSION CREEK - SITE 1	1732	4/1/97	50.0	11.00	24.00	*	T	150tspdswi	-3	2.800
21301.0 MISSION CREEK - MID GRADIENT	1733	4/1/97	50.0	98.00	2.00	ns	NT	150tspdswi	-4	1.800
21302.0 MISSION CREEK - END GRADIENT	1734	4/1/97	50.0	94.00	5.00	ns	NT	150tspdswi	-4	1.600
20011.0 ISLAIS CREEK	1735	4/1/97	50.0	8.00	17.00	*	T	150tspdswi	-4	18.000
21303.0 ISLAIS CREEK - MID GRADIENT	1736	4/1/97	50.0	45.00	43.00	*	T	150tspdswi	-4	2.100
21304.0 ISLAIS CREEK - END GRADIENT	1737	4/1/97	50.0	76.00	43.00	ns	NT	150tspdswi	-4	7.100
21006.0 PEYTON SLOUGH - UPPER SITE 2	1738	4/2/97	50.0	1.00	2.00	*	T	150tspdswi	-4	2.200
21305.0 PEYTON SLOUGH - MID GRADIENT	1739	4/2/97	50.0	0.00	0.00	*	T	150tspdswi	-5	17.000
21306.0 PEYTON SLOUGH - END GRADIENT	1740	4/2/97	50.0	81.00	37.00	ns	NT	150tspdswi	-4	1.100
21011.0 PARADISE COVE - REFERENCE	1741	4/3/97	50.0	96.00	4.00	ns	NT	150tspdswi	-4	-8.000
21029.0 SAN FRANCISCO - PIER 7	1742	4/1/97	50.0	87.00	13.00	ns	NT	150tspdswi	-4	1.800

Strongylocentrotus purpuratus Development Toxicity Tests for Intact Sediment Cores

STANUM	STATION	IDORG	DATE	LEG	SPDI_MN	SPDI_SD	SPDI_SG	SPDI_TOX	SPDI_BATCH	SPDIQC	SPDI_OTNH3
21074.0	HOWARD STREET CSO	1744	4/1/97	50.0	89.00	8.00	*	NT	151tspdswi	-4	0.100
21076.0	CENTRAL BASIN - INNER	1745	4/1/97	50.0	63.00	50.00	ns	NT	150tspdswi	-4	0.220
21307.0	WALDO POINT	1746	4/2/97	50.0	92.00	8.00	ns	NT	150tspdswi	-4	3.100
21308.0	WARM WATER COVE #2 CONTROL-C1	1747	4/1/97	50.0	90.00	9.00	*	NT	150tspdswi	-4	2.000
				51.0	98.00	2.00	-9	-9	151tspdswi	-4	0.660
20013.0	N. SOUTH BAY - REP #1	1749	4/16/97	51.0	98.00	2.00	ns	NT	151tspdswi	-4	0.100
20007.0	SAN PABLO BAY-ISLAND #1- REP 1	1750	4/15/97	51.0	88.00	21.00	ns	NT	151tspdswi	-4	-8.000
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	95.00	6.00	ns	NT	151tspdswi	-4	1.000
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	-9.00	-9.00	-9	-9	151tspdswi	-9	-9.000
21023.0	PACIFIC DRYDOCK - YARD 1	1753	4/15/97	51.0	72.00	25.00	*	NT	151tspdswi	-4	4.500
21026.0	OAKLAND - FRUITVALE	1754	4/15/97	51.0	96.00	4.00	ns	NT	151tspdswi	-4	0.760
21310.0	SAN LEANDRO BAY - SITE 3	1755	4/17/97	51.0	94.00	4.00	ns	NT	151tspdswi	-4	2.000
21311.0	SAN LEANDRO BAY - SITE 4	1756	4/17/97	51.0	19.00	18.00	*	T	151tspdswi	-4	2.200
21312.0	SAN LEANDRO BAY - SITE 5	1757	4/17/97	51.0	77.00	10.00	*	NT	151tspdswi	-4	4.500
21313.0	SAN LEANDRO BAY - SITE 6	1758	4/17/97	51.0	96.00	3.00	ns	NT	151tspdswi	-4	1.900
21314.0	SAN LEANDRO BAY - SITE 7	1759	4/16/97	51.0	14.00	23.00	*	T	151tspdswi	-4	1.200
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	-9.00	-9.00	-9	-9	151tspdswi	-9	-9.000
21056.0	SELBY - S2 CONTROL-C1	1761	4/15/97	55.0	96.00	3.00	ns	NT	151tspdswi	-4	0.390
				55.0	86.00	5.00	-9	-9	155tspdswi	-4	-8.000
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	0.00	0.00	*	T	155tspdswi	-4	6.000
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	0.00	0.00	*	T	155tspdswi	-4	1.600
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	19.00	16.00	*	T	155tspdswi	-4	3.100
21404.0	CARLSON CREEK REFERENCE CONTROL-C1	1798	10/6/97	55.0	24.00	18.00	*	T	155tspdswi	-4	2.900
				56.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
21401.0	ZENECA MARSH #1	1799	12/3/97	56.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
21402.0	ZENECA MARSH #2	1800	12/3/97	56.0	-9.00	-9.00	-9	-9	-9	-9	-9.000
21404.0	CARLSON CREEK REFERENCE	1801	12/3/97	56.0	-9.00	-9.00	-9	-9	-9	-9	-9.000

Strongylocentrotus purpuratus Development Toxicity Tests for Intact Sediment Cores

STANUM	STATION	IDORG	DATE	LEG	SPDI_OUNH3	SPDI_OH2S
	CONTROL-C1			35.0	-9.000	-8.0000
20005.0	PARADISE COVE-REP 1	1398	9/7/94	35.0	-9.000	-9.0000
20005.0	PARADISE COVE-REP 2	1399	9/7/94	35.0	-9.000	-9.0000
20005.0	PARADISE COVE-REP 3	1400	9/7/94	35.0	-9.000	-9.0000
20006.0	SAN PABLO BAY-TUBBS IS.-REP 1	1401	9/8/94	35.0	-9.000	-9.0000
20006.0	SAN PABLO BAY-TUBBS IS.-REP 2	1402	9/8/94	35.0	-9.000	-9.0000
20006.0	SAN PABLO BAY-TUBBS IS.-REP 3	1403	9/8/94	35.0	-9.000	-9.0000
20007.0	SAN PABLO BAY-ISLAND #1-REP 1	1404	9/7/94	35.0	0.001	-8.0000
20007.0	SAN PABLO BAY-ISLAND #1-REP 2	1405	9/7/94	35.0	-9.000	-9.0000
20007.0	SAN PABLO BAY-ISLAND #1-REP 3	1406	9/7/94	35.0	-9.000	-9.0000
20009.0	TOMALES BAY-MARCONI COVE-REP 1	1407	9/6/94	35.0	0.004	-8.0000
20009.0	TOMALES BAY-MARCONI COVE-REP 2	1408	9/6/94	35.0	-9.000	-9.0000
20009.0	TOMALES BAY-MARCONI COVE-REP 3	1409	9/6/94	35.0	-9.000	-9.0000
20010.0	CASTRO COVE-EVSO4	1410	9/8/94	35.0	0.038	-8.0000
20011.0	ISLAIS CREEK	1411	9/6/94	35.0	0.083	0.0080
	CONTROL-C1			44.0	-8.000	-8.0000
21062.0	GALLINAS CREEK-MD20	1613	6/10/96	44.0	-8.000	-8.0000
21065.0	SONOMA CREEK-MD33	1614	6/11/96	44.0	-8.000	-8.0000
21054.0	CHADBORNE SLOUGH-MF13	1615	6/11/96	44.0	0.018	-8.0000
21068.0	SILVA ISLAND MARSH-MC61	1616	6/10/96	44.0	0.056	0.0011
21061.0	MILLER CREEK-MD11	1617	6/10/96	44.0	0.044	-8.0000
21063.0	NOVATO CREEK-MD21	1618	6/11/96	44.0	0.002	-8.0000
21069.0	SAUSALITO HARBOR-ANDERSON B.Y.	1619	6/10/96	44.0	0.046	-8.0000
21088.0	ALVISO SLOUGH	1620	6/10/96	44.0	0.004	-8.0000
21085.0	REDWOOD CREEK BA40	1621	6/10/96	44.0	0.002	-8.0000
20006.0	SAN PABLO BAY-TUBBS IS. REP 1	1622	6/11/96	44.0	0.003	-8.0000
	CONTROL-C1			50.0	0.042	-9.0000
21030.0	MISSION CREEK - SITE 1	1732	4/1/97	50.0	0.079	0.0244
21301.0	MISSION CREEK - MID GRADIENT	1733	4/1/97	50.0	0.023	0.0039
21302.0	MISSION CREEK - END GRADIENT	1734	4/1/97	50.0	0.026	0.0005
20011.0	ISLAIS CREEK	1735	4/1/97	50.0	0.406	0.0089
21303.0	ISLAIS CREEK - MID GRADIENT	1736	4/1/97	50.0	0.105	0.0021
21304.0	ISLAIS CREEK - END GRADIENT	1737	4/1/97	50.0	0.312	0.0028
21006.0	PEYTON SLOUGH - UPPER SITE 2	1738	4/2/97	50.0	0.038	0.0018
21305.0	PEYTON SLOUGH - MID GRADIENT	1739	4/2/97	50.0	0.366	0.0044
21306.0	PEYTON SLOUGH - END GRADIENT	1740	4/2/97	50.0	0.017	0.0020
21011.0	PARADISE COVE - REFERENCE	1741	4/3/97	50.0	-8.000	0.0048
21029.0	SAN FRANCISCO - PIER 7	1742	4/1/97	50.0	0.045	0.0007

Strongylocentrotus purpuratus Development Toxicity Tests for Intact Sediment Cores

STANUM	STATION	IDORG	DATE	LEG	SPDI_OUNH3	SPDI_OH2S
21074.0	HOWARD STREET CSO	1744	4/1/97	50.0	0.002	0.0014
21076.0	CENTRAL BASIN - INNER	1745	4/1/97	50.0	0.004	0.0002
21307.0	WALDO POINT	1746	4/2/97	50.0	0.060	0.0016
21308.0	WARM WATER COVE #2	1747	4/1/97	50.0	0.047	0.0016
	CONTROL-CI			51.0	0.016	-9.0000
20013.0	N. SOUTH BAY - REP #1	1749	4/16/97	51.0	0.001	0.0013
20007.0	SAN PABLO BAY-ISLAND #1 - REP 1	1750	4/15/97	51.0	-8.000	0.0046
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	0.025	0.0044
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	-9.000	-9.0000
21023.0	PACIFIC DRYDOCK - YARD 1	1753	4/15/97	51.0	0.091	0.0197
21026.0	OAKLAND - FRUITVALE	1754	4/15/97	51.0	0.015	0.0036
21310.0	SAN LEANDRO BAY - SITE 3	1755	4/17/97	51.0	0.039	0.0147
21311.0	SAN LEANDRO BAY - SITE 4	1756	4/17/97	51.0	0.047	0.0064
21312.0	SAN LEANDRO BAY - SITE 5	1757	4/17/97	51.0	0.060	0.0061
21313.0	SAN LEANDRO BAY - SITE 6	1758	4/17/97	51.0	0.033	0.0171
21314.0	SAN LEANDRO BAY - SITE 7	1759	4/16/97	51.0	0.023	0.0006
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	-9.000	0.0027
21056.0	SELBY - S2	1761	4/15/97	51.0	0.009	-9.0000
	CONTROL-CI			55.0	-8.000	-8.0000
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	0.000	-8.0000
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	0.001	-8.0000
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	0.012	-8.0000
21404.0	CARLSON CREEK REFERENCE	1798	10/6/97	55.0	0.021	-8.0000
	CONTROL-CI			56.0	-9.000	-9.0000
21401.0	ZENECA MARSH #1	1799	12/3/97	56.0	-9.000	-9.0000
21402.0	ZENECA MARSH #2	1800	12/3/97	56.0	-9.000	-9.0000
21404.0	CARLSON CREEK REFERENCE	1801	12/3/97	56.0	-9.000	-9.0000

Section 4

Ceriodaphnia dubia Survival in Intact Sediment Cores

Ceriodaphnia dubia Survival Toxicity Test Data for Intact Sediment Cores

STANUM	STATION	IDORG	DATE	LEG	CDSI_MN	CDSI_SD	CDSI_SG	CDSI_TOX	CDSI_BATCH	CDSIQC
	CONTROL-C1				94	9	-9	-9	151tedswi	-4
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	96	5	ns	NT	151tedswi	-4
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	90	17	ns	NT	151tedswi	-4

STANUM	STATION	IDORG	DATE	LEG	CDSI_OTNH3	CDSI_OUINH3	CDSI_OH2S	CDSI_OHDLO	CDSI_OHDHI	CDSI_OCYHI
	CONTROL-C1				0.230	0.025	-9.0000	71	-9	499
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	3.500	0.364	0.0578	158	-9	3900
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	2.500	0.230	0.0094	84	-9	7270

Section 5

Hyaella azteca Survival in Sediment

Hyalella azteca Survival Toxicity Test Data in Sediment

STANUM	STATION	IDORG	DATE	LEG	HA_MN	HA_SD	HA_SG	HA_TOX	HA_BATCH	HAQC	HA_OTNH3	HA_OUNH3	HA_ITNH3
	CONTROL-C1			50.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21030.0	MISSION CREEK - SITE 1	1732	4/1/97	50.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21301.0	MISSION CREEK - MID GRADIENT	1733	4/1/97	50.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21302.0	MISSION CREEK - END GRADIENT	1734	4/1/97	50.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
20011.0	ISLAIS CREEK	1735	4/1/97	50.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21303.0	ISLAIS CREEK - MID GRADIENT	1736	4/1/97	50.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21006.0	PEYTON SLOUGH - UPPER SITE 2	1738	4/2/97	50.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
	CONTROL-C1			51.0	89	11	-9	-9	1511ha	-4	-8,000	-8,000	-9,000
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	67	39	ns	NT	1511ha	-4	2,000	0.584	10,000
21023.0	PACIFIC DRYDOCK - YARD 1	1753	4/15/97	51.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21310.0	SAN LEANDRO BAY - SITE 3	1755	4/17/97	51.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	85	17	ns	NT	1511ha	-4	1,400	0.074	7,200
21056.0	SELBY - S2	1761	4/15/97	51.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
	CONTROL-C1			55.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	-9	-9	-9	-9	-9	-9	-9,000	-9,000	-9,000

Hyallole azteca Survival Toxicity Test Data in Sediment

STANUM	STATION	IDORG	DATE	LEG	HA_IUNH3	HA_IH2S	HA_OHDILO	HA_OHDHI	HA_OCYHI	MB_META	TIE_META
	CONTROL-C1			50.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21030.0	MISSION CREEK - SITE 1	1732	4/1/97	50.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21301.0	MISSION CREEK - MID GRADIENT	1733	4/1/97	50.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21302.0	MISSION CREEK - END GRADIENT	1734	4/1/97	50.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
20011.0	ISLAIS CREEK	1735	4/1/97	50.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21303.0	ISLAIS CREEK - MID GRADIENT	1736	4/1/97	50.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21006.0	PEYTON SLOUGH - UPPER SITE 2	1738	4/2/97	50.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
	CONTROL-C1			51.0	-9.0000	-9.0000	-9	-9	769	Y	-9
21041.0	GUADALUPE SLOUGH	1751	4/16/97	51.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21309.0	SAN BRUNO CHANNEL #2	1752	4/16/97	51.0	0.123	0.0052	-9	-9	3970	-9	-9
21023.0	PACIFIC DRYDOCK - YARD 1	1753	4/15/97	51.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21310.0	SAN LEANDRO BAY - SITE 3	1755	4/17/97	51.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21315.0	PG&E/LEVINSON	1760	4/16/97	51.0	0.032	0.0095	-9	-9	854	-9	-9
21056.0	SELBY - S2	1761	4/15/97	51.0	-9.0000	-9.0000	-9	-9	-9	-9	-9
	CONTROL-C1			55.0	-9.0000	-9.0000	-9	-9	-9	Y	-9
21401.0	ZENECA MARSH #1	1795	10/6/97	55.0	-9.0000	-9.0000	-9	-9	-9	Y	Y
21402.0	ZENECA MARSH #2	1796	10/6/97	55.0	-9.0000	-9.0000	-9	-9	-9	Y	Y
21403.0	ZENECA MARSH #3	1797	10/6/97	55.0	-9.0000	-9.0000	-9	-9	-9	Y	Y

Appendix F

Benthic Community Data

Benthic Community Data

STANUM 21030 STATION MISSION CREEK- SITE 1 IDORG 1507 DATE 04/01/97 LEG 50

SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Corophium insidiosum	Gammaridea	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Grandierella japonica	Gammaridea	1	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
Capitella capitata	Polychaete	68	60	76	68.0	68.0	60	76	8.0	4.6	18.0	204
Eteone californica	Polychaete	2	2	3	2.3	2.5	2	3	0.6	0.3	1.3	7
Eteone sp(p)	Polychaete	5	9	3	5.7	6.0	3	9	3.1	1.8	6.9	17
Polydora cornuta	Polychaete	31	16	5	17.3	18.0	5	31	13.1	7.5	29.4	52
Polydora sp.	Polychaete	4	2	0	2.0	2.0	0	4	2.0	1.2	4.5	6
Nematoda	Nematoda	3	2	1	2.0	2.0	1	3	1.0	0.6	2.3	6
Oligochaeta	Oligochaeta	1448	529	122	699.7	785.0	122	1448	679.3	392.2	1528.4	2099
TOTAL INDIVIDUALS		1562	621	211	798.0	886.5	211	1562	692.7	399.9	1558.5	2394
TOTAL SPECIES		9	8	7	7.7	7.5	7	8	0.6	0.3	1.3	23
TOTAL CRUST. INDIV.		1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
TOTAL CRUST. SP.		2	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
GAMMARID INDIV.		1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
GAMMARID SP.		2	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
OTHER CRUSTACEAN INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
OTHER CRUSTACEAN SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL POLYCHAETE INDIV.		110	89	87	95.3	98.5	87	110	12.7	7.4	28.7	286
TOTAL POLYCHAETE SP.		5	5	4	4.7	4.5	4	5	0.6	0.3	1.3	14

STANUM 21301 STATION MISSION CREEK- MID GRADIENT IDORG 1733 DATE 04/01/97 LEG 50

SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon hinumensis	Cumacea	2	1	0	1.0	1.0	0	2	1.0	0.6	2.3	3
Glycinde polygnatha	Polychaete	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Leitoscoloplos spp. juv.	Polychaete	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Sphaerosyllis californiensis	Polychaete	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Streblospio benedicti	Polychaete	32	23	0	18.3	16.0	0	32	16.5	9.5	37.1	55

Benthic Community Data

	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Oligochaeta	37	26	0	21.0	18.5	0	37	19.0	11.0	42.8	63
TOTAL INDIVIDUALS	6	5	3	2.7	2.5	0	5	2.5	1.5	5.7	8
TOTAL SPECIES	2	1	0	1.0	1.0	0	2	1.0	0.6	2.3	3
TOTAL CRUST. INDIV.	1	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
TOTAL CRUST. SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
GAMMARID INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
GAMMARID SP.	2	1	0	1.0	1.0	0	2	1.0	0.6	2.3	3
OTHER CRUSTACEAN INDIV.	1	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
OTHER CRUSTACEAN SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC SP.	34	25	0	19.7	17.0	0	34	17.6	10.2	39.6	59
TOTAL POLYCHAETE INDIV.	4	3	2	1.7	1.5	0	3	1.5	0.9	3.4	5
TOTAL POLYCHAETE SP.											

STANUM 21302 IDORG DATE LEG
MISSION CREEK- END GRADIENT 1734 04/01/97 50

SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep.1	rep.2	rep.3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon hinumensis	Cumacea	46	87	119	84.0	82.5	46	119	36.6	21.1	82.3	252
Ampelisca abdita	Gammaridea	2	2	6	3.3	4.0	2	6	2.3	1.3	5.2	10
Photis sp.	Gammaridea	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Bivalve	Bivalvia	2	0	1	1.0	1.0	0	2	1.0	0.6	2.3	3
Myseella sp.	Bivalvia	4	0	0	1.3	2.0	0	4	2.3	1.3	5.2	4
Theora fragilis	Bivalvia	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Gastropoton pacificum	Gastropoda	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Aphelochaeta monilaris	Polychaete	1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
Brania brevipharyngea	Polychaete	0	2	1	1.0	1.0	0	2	1.0	0.6	2.3	3
Cirratulus spp. juv.	Polychaete	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Cossura candida	Polychaete	1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
Cossura spp. indet.	Polychaete	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Glycinde armigera	Polychaete	2	0	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Glycinde polygnatha	Polychaete	3	2	0	1.7	1.5	0	3	1.5	0.9	3.4	5
Glycinde spp. juv.	Polychaete	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Leitoscoloplos spp. juv.	Polychaete	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Polydora comuta	Polychaete	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Sphaerosyllis californiensis	Polychaete	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1

Benthic Community Data

		Benthic Community Data											
Oligochaeta	Oligochaeta	0	1	0	0.3	0.5	0	0	1	0.6	0.3	1.3	1
		62	98	135	98.3	98.5	62	135	36.5	21.1	82.1	295	
TOTAL SPECIES	TOTAL SPECIES	9	9	12	10.0	10.5	9	12	1.7	1.0	3.9	30	
TOTAL CRUST. INDIV.	TOTAL CRUST. INDIV.	49	89	125	87.7	87.0	49	125	38.0	21.9	85.5	263	
TOTAL CRUST. SP.	TOTAL CRUST. SP.	3	3	2	2.3	2.5	2	3	0.6	0.3	1.3	7	
GAMMARID INDIV.	GAMMARID INDIV.	3	2	6	3.7	4.0	2	6	2.1	1.2	4.7	11	
GAMMARID SP.	GAMMARID SP.	2	2	1	1.3	1.5	1	2	0.6	0.3	1.3	4	
OTHER CRUSTACEAN INDIV.	OTHER CRUSTACEAN INDIV.	46	87	119	84.0	82.5	46	119	36.6	21.1	82.3	252	
OTHER CRUSTACEAN SP.	OTHER CRUSTACEAN SP.	1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3	
TOTAL ECHINODERM INDIV.	TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
TOTAL ECHINODERM SP.	TOTAL ECHINODERM SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
TOTAL MOLLUSC INDIV.	TOTAL MOLLUSC INDIV.	6	1	2	3.0	3.5	1	6	2.6	1.5	6.0	9	
TOTAL MOLLUSC SP.	TOTAL MOLLUSC SP.	4	2	1	1.7	1.5	1	2	0.6	0.3	1.3	5	
TOTAL POLYCHAETE INDIV.	TOTAL POLYCHAETE INDIV.	7	7	8	7.3	7.5	7	8	0.6	0.3	1.3	22	
TOTAL POLYCHAETE SP.	TOTAL POLYCHAETE SP.	11	4	5	5.7	6.0	4	8	2.1	1.2	4.7	17	

STANUM 20011 IDORG ISLAIS CREEK DATE 04/01/97 LEG 50

SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon himumensis	Cumacea	10	0	0	3.3	5.0	0	10	5.8	3.3	13.0	10
Capitella capitata	Polychaete	11	6	5	7.3	8.0	5	11	3.2	1.9	7.2	22
TOTAL INDIVIDUALS		21	6	5	10.7	13.0	5	21	9.0	5.2	20.2	32
TOTAL SPECIES		2	1	1	1.3	1.5	1	2	0.6	0.3	1.3	4
TOTAL CRUST. INDIV.		10	0	0	3.3	5.0	0	10	5.8	3.3	13.0	10
TOTAL CRUST. SP.		1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
GAMMARID INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
GAMMARID SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
OTHER CRUSTACEAN INDIV.		10	0	0	3.3	5.0	0	10	5.8	3.3	13.0	10
OTHER CRUSTACEAN SP.		1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
TOTAL ECHINODERM INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL POLYCHAETE INDIV.		11	6	5	7.3	8.0	5	11	3.2	1.9	7.2	22
TOTAL POLYCHAETE SP.		1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3

Benthic Community Data

STANUM	STATION	IDORG	DATE	LEG								
21303	ISLAIS CREEK - MID GRADIENT	1736	04/01/97	50								
SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Cumella sp.	Cumacea	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Nippoleucon himunensis	Cumacea	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Capitella capitata	Polychaete	4	11	5	6.7	7.5	4	11	3.8	2.2	8.5	20
TOTAL INDIVIDUALS		4	11	7	7.3	7.5	4	11	3.5	2.0	7.9	22
TOTAL SPECIES		3	1	3	1.7	2.0	1	3	1.2	0.7	2.6	5
TOTAL CRUST. INDIV.		0	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
TOTAL CRUST. SP.		2	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
GAMMARID INDIV.	GAMMARID SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
GAMMARID SP.	GAMMARID SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
OTHER CRUSTACEAN INDIV.	OTHER CRUSTACEAN INDIV.	0	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
OTHER CRUSTACEAN SP.	OTHER CRUSTACEAN SP.	2	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
TOTAL ECHINODERM INDIV.	TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.	TOTAL ECHINODERM SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.	TOTAL MOLLUSC INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC SP.	TOTAL MOLLUSC SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL POLYCHAETE INDIV.	TOTAL POLYCHAETE INDIV.	4	11	5	6.7	7.5	4	11	3.8	2.2	8.5	20
TOTAL POLYCHAETE SP.	TOTAL POLYCHAETE SP.	1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3

STANUM	STATION	IDORG	DATE	LEG								
21304	ISLAIS CREEK - END GRADIENT	1737	04/01/97	50								
SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon himunensis	Cumacea	2	33	1	12.0	17.0	1	33	18.2	10.5	40.9	36
Ampelisca abdita	Gammaridea	1	7	0	2.7	3.5	0	7	3.8	2.2	8.5	8
Corophium heteroceratum	Gammaridea	1	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
Grandidierella japonica	Gammaridea	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Capitella capitata	Polychaete	1	2	1	1.3	1.5	1	2	0.6	0.3	1.3	4
Glycinde polygnatha	Polychaete	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Glycinde spp. juv.	Polychaete	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Polydora cornuta	Polychaete	0	7	0	2.3	3.5	0	7	4.0	2.3	9.1	7
Pseudopolydora paucibranchiata	Polychaete	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Spionidae spp. indct.	Polychaete	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Streblospio benedicti	Polychaete	12	101	0	37.7	50.5	0	101	55.2	31.9	124.1	113

Benthic Community Data

	Tharyx parvus	Nemertea	Oligochaeta	TOTAL INDIVIDUALS	TOTAL SPECIES	TOTAL CRUST. INDIV.	TOTAL CRUST. SP.	GAMMARID INDIV.	GAMMARID SP.	OTHER CRUSTACEAN INDIV.	OTHER CRUSTACEAN SP.	TOTAL ECHINODERM INDIV.	TOTAL ECHINODERM SP.	TOTAL MOLLUSC INDIV.	TOTAL MOLLUSC SP.	TOTAL POLYCHAETE INDIV.	TOTAL POLYCHAETE SP.
Polychaete	1	0	0	0	0.3	0.5	0	0	1	0.6	0.3	1.3	1				
Nemertea	1	1	0	0	0.7	0.5	0	0	1	0.6	0.3	1.3	2				
Oligochaeta	1	23	0	0	8.0	11.5	0	23	13.0	7.5	29.3	24	203				
TOTAL INDIVIDUALS	20	181	2	2	67.7	91.5	2	181	98.6	56.9	221.8	23					
TOTAL SPECIES	14	8	13	2	7.7	7.5	2	13	5.5	3.2	12.4	23					
TOTAL CRUST. INDIV.	4	4	42	1	15.7	21.5	1	42	22.9	13.2	51.4	47					
TOTAL CRUST. SP.	3	3	4	1	2.7	2.5	1	4	1.5	0.9	3.4	8					
GAMMARID INDIV.	2	9	0	0	3.7	4.5	0	9	4.7	2.7	10.6	11					
GAMMARID SP.	3	2	3	0	1.7	1.5	0	3	1.5	0.9	3.4	5					
OTHER CRUSTACEAN INDIV.	2	33	1	1	12.0	17.0	1	33	18.2	10.5	40.9	36					
OTHER CRUSTACEAN SP.	1	1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3					
TOTAL ECHINODERM INDIV.	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0					
TOTAL ECHINODERM SP.	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0					
TOTAL MOLLUSC INDIV.	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0					
TOTAL MOLLUSC SP.	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0					
TOTAL POLYCHAETE INDIV.	14	115	1	1	43.3	58.0	1	115	62.4	36.0	140.4	130					
TOTAL POLYCHAETE SP.	8	3	7	1	3.7	4.0	1	7	3.1	1.8	6.9	11					

STANUM 21006 IDORG 1738 DATE 04/02/97 LEG 50
 STATION PEYTON SLOUGH-UPPER SITE 2

SPECIES	NO. PER CORE			SUMMARY STATISTICS							
	rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon himumensis	0	0	5	1.7	2.5	0	5	2.9	1.7	6.5	5
Corophium spiniornae	129	284	21	144.7	152.5	21	284	132.2	76.3	297.4	434
Eogammarus confervicolus	17	114	10	47.0	62.0	10	114	58.1	33.6	130.8	141
Eudistylia vancouveri	0	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
Polydora cornuta	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Streblospio benedicti	3	0	0	1.0	1.5	0	3	1.7	1.0	3.9	3
Oligochaeta	11	12	141	54.7	76.0	11	141	74.8	43.2	168.2	164
TOTAL INDIVIDUALS	161	410	179	250.0	285.5	161	410	138.9	80.2	312.4	750
TOTAL SPECIES	7	5	5	4.3	4.0	3	5	1.2	0.7	2.6	13
TOTAL CRUST. INDIV.	146	398	36	193.3	217.0	36	398	185.6	107.1	417.6	580
TOTAL CRUST. SP.	3	2	3	2.3	2.5	2	3	0.6	0.3	1.3	7
GAMMARID INDIV.	146	398	31	191.7	214.5	31	398	187.7	108.4	422.4	575
GAMMARID SP.	2	2	2	2.0	2.0	2	2	0.0	0.0	0.0	6
OTHER CRUSTACEAN INDIV.	0	0	5	1.7	2.5	0	5	2.9	1.7	6.5	5
OTHER CRUSTACEAN SP.	1	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0

Benthic Community Data

	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.														
TOTAL MOLLUSC INDIV.														
TOTAL MOLLUSC SP.														
TOTAL POLYCHAETE INDIV.	4	0	2	2	2.0	2.0	0	4	2.0	1.2	4.5	6		
TOTAL POLYCHAETE SP.	3	2	0	1	1.0	1.0	0	2	1.0	0.6	2.3	3		

STANUM 21305 IDORG DATE LEG
 PEYTON SLOUGH- MID GRADIENT 1739 04/02/97 50

SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Corophium spiniorne	Gammaridea	915	735	943	864.3	839.0	735	943	112.9	65.2	254.0	2593
Eogammarus confervicolus	Gammaridea	65	57	171	97.7	114.0	57	171	63.6	36.7	143.2	293
Gnorimosphaeroma oregonensis	Isopoda	4	12	5	7.0	8.0	4	12	4.4	2.5	9.8	21
Corbicula fluminea	Bivalvia	1	0	3	1.3	1.5	0	3	1.5	0.9	3.4	4
Boccardiella ligierica	Polychaete	1	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
Eudistylia vancouveri	Polychaete	16	27	9	17.3	18.0	9	27	9.1	5.2	20.4	52
Nereididae spp. juv	Polychaete	5	8	0	4.3	4.0	0	8	4.0	2.3	9.1	13
Nereis procer	Polychaete	2	1	0	1.0	1.0	0	2	1.0	0.6	2.3	3
Oligochaeta	Oligochaeta	465	218	225	302.7	341.5	218	465	140.6	81.2	316.4	908
TOTAL INDIVIDUALS		1474	1059	1356	1296.3	1266.5	1059	1474	213.8	123.5	481.1	3889
TOTAL SPECIES		9	8	6	7.7	7.5	6	9	1.5	0.9	3.4	23
TOTAL CRUST. INDIV.		984	804	1119	969.0	961.5	804	1119	158.0	91.2	355.6	2907
TOTAL CRUST. SP.		3	3	3	3.0	3.0	3	3	0.0	0.0	0.0	9
GAMMARID INDIV.		980	792	1114	962.0	953.0	792	1114	161.8	93.4	363.9	2886
GAMMARID SP.		2	2	2	2.0	2.0	2	2	0.0	0.0	0.0	6
OTHER CRUSTACEAN INDIV.		4	12	5	7.0	8.0	4	12	4.4	2.5	9.8	21
OTHER CRUSTACEAN SP.		1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
TOTAL ECHINODERM INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.		1	0	3	1.3	1.5	0	3	1.5	0.9	3.4	4
TOTAL MOLLUSC SP.		1	0	1	0.7	0.5	0	1	0.6	0.3	1.3	2
TOTAL POLYCHAETE INDIV.		24	37	9	23.3	23.0	9	37	14.0	8.1	31.5	70
TOTAL POLYCHAETE SP.		4	4	1	3.0	2.5	1	4	1.7	1.0	3.9	9

Benthic Community Data

STANUM 21306 STATION PEYTON SLOUGH- END GRADIENT IDORG 1740 DATE 04/02/97 LEG 50

SPECIES	TAXA	NO. PER CORE				SUMMARY STATISTICS						
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon hinumensis	Cumacea	14	14	1	9.7	7.5	1	14	7.5	4.3	16.9	29
Corophium spirocorne	Gammaridea	0	0	7	2.3	3.5	0	7	4.0	2.3	9.1	7
Eogammarus confervicolus	Gammaridea	0	0	6	2.0	3.0	0	6	3.5	2.0	7.8	6
Endostylia vancouveri	Polychaete	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Streblospio benedicti	Polychaete	0	0	5	1.7	2.5	0	5	2.9	1.7	6.5	5
Oligochaeta	Oligochaeta	17	0	22	13.0	11.0	0	22	11.5	6.7	25.9	39
TOTAL INDIVIDUALS		32	14	41	29.0	27.5	14	41	13.7	7.9	30.9	87
TOTAL SPECIES		6	1	5	3.0	3.0	1	5	2.0	1.2	4.5	9
TOTAL CRUST. INDIV.		14	14	14	14.0	14.0	14	14	0.0	0.0	0.0	42
TOTAL CRUST. SP.		1	1	3	1.7	2.0	1	3	1.2	0.7	2.6	5
GAMMARID INDIV.		0	0	13	4.3	6.5	0	13	7.5	4.3	16.9	13
GAMMARID SP.		2	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
OTHER CRUSTACEAN INDIV.		14	14	1	9.7	7.5	1	14	7.5	4.3	16.9	29
OTHER CRUSTACEAN SP.		1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
TOTAL ECHINODERM INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL POLYCHAETE INDIV.		1	0	5	2.0	2.5	0	5	2.6	1.5	6.0	6
TOTAL POLYCHAETE SP.		2	1	1	0.7	0.5	0	1	0.6	0.3	1.3	2

STANUM 20005 STATION PARADISE COVE- REFERENCE IDORG 1741 DATE 04/03/97 LEG 50

SPECIES	TAXA	NO. PER CORE				SUMMARY STATISTICS						
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon hinumensis	Cumacea	9	33	23	21.7	21.0	9	33	12.1	7.0	27.1	65
Ampelisca abdita	Gammaridea	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Grandidierella japonica	Gammaridea	0	6	0	2.0	3.0	0	6	3.5	2.0	7.8	6
Mytilus sp.	Bivalvia	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Streblospio benedicti	Polychaete	2	0	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Nemertea	Nemertea	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
TOTAL INDIVIDUALS		11	40	25	25.3	25.5	11	40	14.5	8.4	32.6	76
TOTAL SPECIES		6	3	3	2.7	2.5	2	3	0.6	0.3	1.3	8

Benthic Community Data

	9	39	24	24.0	9	39	15.0	8.7	33.8	72
TOTAL CRUST. INDIV.	3	1	2	1.7	1	2	0.6	0.3	1.3	5
TOTAL CRUST. SP.	0	6	1	2.3	0	6	3.2	1.9	7.2	7
GAMMARID INDIV.	2	0	1	0.7	0	1	0.6	0.3	1.3	2
GAMMARID SP.	9	33	23	21.7	9	33	12.1	7.0	27.1	65
OTHER CRUSTACEAN INDIV.	1	1	1	1.0	1	1	0.0	0.0	0.0	3
OTHER CRUSTACEAN SP.	0	0	0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM INDIV.	0	0	0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.	0	1	0	0.3	0	1	0.6	0.3	1.3	1
TOTAL MOLLUSC INDIV.	1	0	0	0.3	0	0	0.6	0.3	1.3	1
TOTAL MOLLUSC SP.	2	0	0	0.7	0	2	1.2	0.7	2.6	2
TOTAL POLYCHAETE INDIV.	1	1	0	0.3	0	1	0.6	0.3	1.3	1
TOTAL POLYCHAETE SP.										

STANUM 21308 STATION WARM WATER COVE #2 IDORG 1747 DATE 04/01/97 LEG 50

SPECIES	NO. PER CORE			SUMMARY STATISTICS							
	rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
TAXA	76	66	144	95.3	105.0	66	144	42.4	24.5	95.5	286
Cumacea	1	14	5	6.7	7.5	1	14	6.7	3.8	15.0	20
Amphiscia abdita	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Corophium spiniicorne	4	8	2	4.7	5.0	2	8	3.1	1.8	6.9	14
Potamocorbula amurensis	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Siliqua lucida	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Brania brevipharyngea	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Capitella capitata	0	1	1	0.7	0.5	0	1	0.6	0.3	1.3	2
Cirriformia spiribrancha	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Heteromastus filiformis	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Nephtys caecoides	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Sphaerosyllis californiensis	84	94	152	110.0	118.0	84	152	36.7	21.2	82.6	330
TOTAL INDIVIDUALS	11	8	4	6.0	6.0	4	8	2.0	1.2	4.5	18
TOTAL SPECIES	77	82	149	102.7	113.0	77	149	40.2	23.2	90.5	308
TOTAL CRUST. INDIV.	3	2	2	2.3	2.5	2	3	0.6	0.3	1.3	7
TOTAL CRUST. SP.	1	16	5	7.3	8.5	1	16	7.8	4.5	17.5	22
GAMMARID INDIV.	2	1	2	1.3	1.5	1	2	0.6	0.3	1.3	4
GAMMARID SP.	76	66	144	95.3	105.0	66	144	42.4	24.5	95.5	286
OTHER CRUSTACEAN INDIV.	1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
OTHER CRUSTACEAN SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0

Benthic Community Data

	4	9	2	5.5	2	9	3.6	2.1	8.1	15
TOTAL MOLLUSC INDIV.				5.0						
TOTAL MOLLUSC SP.	2	1	2	1.3	1	2	0.6	0.3	1.3	4
TOTAL POLYCHAETE INDIV.	3	3	1	2.3	1	3	1.2	0.7	2.6	7
TOTAL POLYCHAETE SP.	6	3	3	2.3	1	3	1.2	0.7	2.6	7

STANUM 20013 IDORG 1749 DATE 04/16/97 LEG 51
 N. SOUTH BAY- REP #1

SPECIES	NO. PER CORE			SUMMARY STATISTICS							
	rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Cumacea	4	0	0	1.3	2.0	0	4	2.3	1.3	5.2	4
Gammaridea	1	0	1	0.7	0.5	0	1	0.6	0.3	1.3	2
Ostracoda	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Bivalvia	4	9	12	8.3	8.0	4	12	4.0	2.3	9.1	25
Bivalvia	0	2	3	1.7	1.5	0	3	1.5	0.9	3.4	5
Bivalvia	91	189	74	118.0	131.5	74	189	62.1	35.8	139.7	354
Polychaete	4	1	4	3.0	2.5	1	4	1.7	1.0	3.9	9
Polychaete	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Polychaete	1	0	1	0.7	0.5	0	1	0.6	0.3	1.3	2
Polychaete	2	0	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Polychaete	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Polychaete	6	6	12	8.0	9.0	6	12	3.5	2.0	7.8	24
Polychaete	8	1	3	4.0	4.5	1	8	3.6	2.1	8.1	12
Oligochaeta	122	211	110	147.7	160.5	110	211	55.2	31.9	124.1	443
TOTAL INDIVIDUALS	13	10	8	8.7	9.0	8	10	1.2	0.7	2.6	26
TOTAL SPECIES	5	2	1	2.7	3.0	1	5	2.1	1.2	4.7	8
TOTAL CRUST. INDIV.	3	2	1	1.3	1.5	1	2	0.6	0.3	1.3	4
TOTAL CRUST. SP.	1	0	1	0.7	0.5	0	1	0.6	0.3	1.3	2
GAMMARID INDIV.	1	0	1	0.7	0.5	0	1	0.6	0.3	1.3	2
GAMMARID SP.	4	2	0	2.0	2.0	0	4	2.0	1.2	4.5	6
OTHER CRUSTACEAN INDIV.	2	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
OTHER CRUSTACEAN SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.	95	200	89	128.0	144.5	89	200	62.4	36.0	140.5	384
TOTAL MOLLUSC INDIV.	3	2	3	2.7	2.5	2	3	0.6	0.3	1.3	8
TOTAL MOLLUSC SP.	14	8	17	13.0	12.5	8	17	4.6	2.6	10.3	39
TOTAL POLYCHAETE INDIV.	6	5	3	3.7	4.0	3	5	1.2	0.7	2.6	11
TOTAL POLYCHAETE SP.											

Benthic Community Data

STANUM	STATION	IDORG	DATE	LEG	SUMMARY STATISTICS											
					NO. PER CORE	mean	median	min	max	St. Dev.	S.E.	95%CL	sum			
20007	SAN PABLO BAY-ISLAND #1- REP 1	1404	04/15/97	51	rep 1	rep 2	rep 3	rep 1	rep 2	rep 3	min	max	St. Dev.	S.E.	95%CL	sum
	TAXA				30	28	6	21.3	18.0	6	30	13.3	7.7	30.0	64	
	Nippoleucon himumensis				14	33	8	18.3	20.5	8	33	13.1	7.5	29.4	55	
	Potamocorbula amurensis				20	15	21	18.7	18.0	15	21	3.2	1.9	7.2	56	
	Heteromastus filiformis				0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
	Malacoceeros indicus				2	2	0	1.3	1.0	0	2	1.2	0.7	2.6	4	
	Neanthes succinea				9	8	11	9.3	9.5	8	11	1.5	0.9	3.4	28	
	Streblospio benedicti				75	87	46	69.3	66.5	46	87	21.1	12.2	47.4	208	
	TOTAL INDIVIDUALS				6	5	4	5.0	5.0	4	6	1.0	0.6	2.3	15	
	TOTAL SPECIES				30	28	6	21.3	18.0	6	30	13.3	7.7	30.0	64	
	TOTAL CRUST. INDIV.				1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3	
	TOTAL CRUST. SP.				0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
	GAMMARID INDIV.				0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
	GAMMARID SP.				0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
	OTHER CRUSTACEAN INDIV.				30	28	6	21.3	18.0	6	30	13.3	7.7	30.0	64	
	OTHER CRUSTACEAN SP.				1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3	
	TOTAL ECHINODERM INDIV.				0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
	TOTAL ECHINODERM SP.				0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
	TOTAL MOLLUSC INDIV.				14	33	8	18.3	20.5	8	33	13.1	7.5	29.4	55	
	TOTAL MOLLUSC SP.				1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3	
	TOTAL POLYCHAETE INDIV.				31	26	32	29.7	29.0	26	32	3.2	1.9	7.2	89	
	TOTAL POLYCHAETE SP.				4	3	4	3.0	3.0	2	4	1.0	0.6	2.3	9	

STANUM	STATION	IDORG	DATE	LEG	SUMMARY STATISTICS											
					NO. PER CORE	mean	median	min	max	St. Dev.	S.E.	95%CL	sum			
21310	SAN LEANDRO BAY-SITE 3	1755	04/17/97	51	rep 1	rep 2	rep 3	rep 1	rep 2	rep 3	min	max	St. Dev.	S.E.	95%CL	sum
	TAXA				0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
	Cumella sp.				10	26	16	17.3	18.0	10	26	8.1	4.7	18.2	52	
	Nippoleucon himumensis				0	15	0	5.0	7.5	0	15	8.7	5.0	19.5	15	
	Corophium spinoorne				4	8	1	4.3	4.5	1	8	3.5	2.0	7.9	13	
	Eogammarus confervicolus				3	17	10	10.0	10.0	3	17	7.0	4.0	15.8	30	
	Grandidierella japonica				0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2	
	Gnorimosphaeroma oregonensis				1	5	4	3.3	3.0	1	5	2.1	1.2	4.7	10	
	Gemma gemma				0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
	Macoma balthica															

Benthic Community Data

Musculista senhousiei	0	1	0	0.3	0.5	0	0	1	0.6	0.3	1.3	1
Mya arenaria	8	24	17	16.3	16.0	8	24	8.0	4.6	18.0	49	
Mytilus sp.	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2	
Potamocorbula amurensis	1	2	0	1.0	1.0	0	2	1.0	0.6	2.3	3	
Venerupis philippinarum	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
Capitella capitata	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
Eteone lighti	3	14	14	10.3	8.5	3	14	6.4	3.7	14.3	31	
Glycinde polygnatha	1	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2	
Glycinde spp. juv.	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
Harmothoaiæ spp. indet.	0	3	0	1.0	1.5	0	3	1.7	1.0	3.9	3	
Heteromastus filiformis	1	10	10	7.0	5.5	1	10	5.2	3.0	11.7	21	
Malacoceros indicus	7	1	1	3.0	4.0	1	7	3.5	2.0	7.8	9	
Mediomastus sp(p)	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
Neanthes succinea	9	14	18	13.7	13.5	9	18	4.5	2.6	10.1	41	
Onuphidae spp. juv.	4	15	3	7.3	9.0	3	15	6.7	3.8	15.0	22	
Polydora cornuta	11	26	24	20.3	18.5	11	26	8.1	4.7	18.3	61	
Pseudopolydora kempi	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1	
Streblospio benedicti	177	993	461	543.7	585.0	177	993	414.2	239.2	932.0	1631	
Nematoda	4	4	0	2.7	2.0	0	4	2.3	1.3	5.2	8	
Oligochaeta	118	125	0	81.0	62.5	0	125	70.2	40.6	158.0	243	
TOTAL INDIVIDUALS	363	1314	579	752.0	838.5	363	1314	498.5	287.8	1121.7	2256	
TOTAL SPECIES	28	17	12	18.7	19.5	12	27	7.6	4.4	17.2	56	
TOTAL CRUST. INDIV.	6	3	3	4.0	4.5	3	6	1.7	1.0	3.9	12	
TOTAL CRUST. SP.	3	2	2	2.3	2.5	2	3	0.6	0.3	1.3	7	
GAMMARID INDIV.	7	40	11	19.3	23.5	7	40	18.0	10.4	40.5	58	
GAMMARID SP.	10	29	16	18.3	19.5	10	29	9.7	5.6	21.9	55	
OTHER CRUSTACEAN INDIV.	3	1	3	1.7	2.0	1	3	1.2	0.7	2.6	5	
OTHER CRUSTACEAN SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	
TOTAL ECHINODERM SP.	10	36	21	22.3	23.0	10	36	13.1	7.5	29.4	67	
TOTAL MOLLUSC INDIV.	7	3	2	4.0	4.5	2	7	2.6	1.5	6.0	12	
TOTAL MOLLUSC SP.	214	1080	531	608.3	647.0	214	1080	438.1	253.0	985.8	1825	
TOTAL POLYCHAETE INDIV.	13	9	7	9.3	9.5	7	12	2.5	1.5	5.7	28	
TOTAL POLYCHAETE SP.												

Benthic Community Data

SPECIES	TAXA	STATION		IDORG	DATE	LEG	SUMMARY STATISTICS											
		SAN LEANDRO BAY-SITE 4					NO. PER CORE		mean	median	min	max	St. Dev.	S.E.	95%CL	sum		
21311		32	24	1756	04/17/97	51	rep.1	rep.2	rep.3	rep.3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon hinumensis	Cumacea										20.0	18.0	4	32	14.4	8.3	32.5	60
Corophium spinicorne	Gammaridea	5	1	0							2.0	2.5	0	5	2.6	1.5	6.0	6
Eogammarus confervicolus	Gammaridea	0	3	5							2.7	2.5	0	5	2.5	1.5	5.7	8
Grandidicella japonica	Gammaridea	74	121	51							82.0	86.0	51	121	35.7	20.6	80.3	246
Gnorimosphaeroma oregonensis	Isopoda	0	1	3							1.3	1.5	0	3	1.5	0.9	3.4	4
Gemma gemma	Bivalvia	16	16	0							10.7	8.0	0	16	9.2	5.3	20.8	32
Macoma bathica	Bivalvia	8	2	4							4.7	5.0	2	8	3.1	1.8	6.9	14
Musculista senhousci	Bivalvia	1	1	0							0.7	0.5	0	1	0.6	0.3	1.3	2
Mya arenaria	Bivalvia	11	13	4							9.3	8.5	4	13	4.7	2.7	10.6	28
Mytilus sp.	Bivalvia	0	1	0							0.3	0.5	0	1	0.6	0.3	1.3	1
Polaniorchula amurensis	Bivalvia	7	2	0							3.0	3.5	0	7	3.6	2.1	8.1	9
Capitella capitata	Polychaete	8	1	1							3.3	4.5	1	8	4.0	2.3	9.1	10
Eteone californica	Polychaete	0	0	1							0.3	0.5	0	1	0.6	0.3	1.3	1
Eteone ligthii	Polychaete	7	5	1							4.3	4.0	1	7	3.1	1.8	6.9	13
Ficopomatus enigmaticus	Polychaete	0	0	1							0.3	0.5	0	1	0.6	0.3	1.3	1
Glycinde spp. juv.	Polychaete	1	1	0							0.7	0.5	0	1	0.6	0.3	1.3	2
Harmothoaiac spp. indet.	Polychaete	0	1	6							2.3	3.0	0	6	3.2	1.9	7.2	7
Heteromastus filiformis	Polychaete	6	10	7							7.7	8.0	6	10	2.1	1.2	4.7	23
Neanthes succinea	Polychaete	5	6	1							4.0	3.5	1	6	2.6	1.5	6.0	12
Nereididae spp. juv.	Polychaete	19	19	21							19.7	20.0	19	21	1.2	0.7	2.6	59
Polydora cornuta	Polychaete	1	0	0							0.3	0.5	0	1	0.6	0.3	1.3	1
Pseudopolydora paucibranchiata	Polychaete	351	469	136							318.7	302.5	136	469	168.8	97.5	379.9	956
Streblospio benedicti	Polychaete	23	35	16							24.7	25.5	16	35	9.6	5.5	21.6	74
Oligochaeta	Oligochaeta	576	732	262							523.3	497.0	262	732	239.4	138.2	538.6	1570
TOTAL INDIVIDUALS																		
TOTAL SPECIES		24	18	16							18.0	18.0	16	20	2.0	1.2	4.5	54
TOTAL CRUST. INDIV.		111	150	63							108.0	106.5	63	150	43.6	25.2	98.1	324
TOTAL CRUST. SP.		5	5	4							4.0	4.0	3	5	1.0	0.6	2.3	12
GAMMARID INDIV.		79	125	56							86.7	90.5	56	125	35.1	20.3	79.0	260
GAMMARID SP.		3	3	2							2.3	2.5	2	3	0.6	0.3	1.3	7
OTHER CRUSTACEAN INDIV.		32	25	7							21.3	19.5	7	32	12.9	7.4	29.0	64
OTHER CRUSTACEAN SP.		2	1	2							1.7	1.5	1	2	0.6	0.3	1.3	5
TOTAL ECHINODERM INDIV.		0	0	0							0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.		0	0	0							0.0	0.0	0	0	0.0	0.0	0.0	0

Benthic Community Data

	43	35	8	28.7	25.5	8	43	18.3	10.6	41.3	86
TOTAL MOLLUSC INDIV.	6	5	6	4.3	4.0	2	6	2.1	1.2	4.7	13
TOTAL MOLLUSC SP.	399	512	175	362.0	343.5	175	512	171.5	99.0	385.9	1086
TOTAL POLYCHAETE INDIV.	12	9	8	8.7	8.5	8	9	0.6	0.3	1.3	26
TOTAL POLYCHAETE SP.											

STANUM 21312 IDORG DATE LEG
 1757 04/1797 51

SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep.1	rep.2	rep.3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Nippoleucon hinunensis	Cumacea	200	235	360	265.0	280.0	200	360	84.1	48.6	189.3	795
Corophium spiticorne	Gammaridea	0	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
Grandicerella japonica	Gammaridea	17	11	17	15.0	14.0	11	17	3.5	2.0	7.8	45
Gemma gemma	Bivalvia	0	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
Macona balthica	Bivalvia	47	46	48	47.0	47.0	46	48	1.0	0.6	2.3	141
Mya arenaria	Bivalvia	0	17	4	7.0	8.5	0	17	8.9	5.1	20.0	21
Potamocorbula amurensis	Bivalvia	1	5	16	7.3	8.5	1	16	7.8	4.5	17.5	22
Streblospio benedicti	Polychaeta	335	356	267	319.3	311.5	267	356	46.5	26.9	104.7	958
Capitella capitata	Polychaete	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Eteone californica	Polychaete	3	0	0	1.0	1.5	0	3	1.7	1.0	3.9	3
Eteone lighti	Polychaete	14	8	6	9.3	10.0	6	14	4.2	2.4	9.4	28
Heteromastus filiformis	Polychaete	7	7	8	7.3	7.5	7	8	0.6	0.3	1.3	22
Malacoceros indicus	Polychaete	0	0	2	0.7	1.0	0	2	1.2	0.7	2.6	2
Neanthes succinea	Polychaete	2	3	0	1.7	1.5	0	3	1.5	0.9	3.4	5
Nereididae spp. juv.	Polychaete	6	4	0	3.3	3.0	0	6	3.1	1.8	6.9	10
Polydora cornuta	Polychaete	2	3	1	2.0	2.0	1	3	1.0	0.6	2.3	6
Pseudopolydora kempfi	Polychaete	3	4	15	7.3	9.0	3	15	6.7	3.8	15.0	22
Nematoda	Nematoda	1	3	0	1.3	1.5	0	3	1.5	0.9	3.4	4
Oligochaeta	Oligochaeta	25	37	30	30.7	31.0	25	37	6.0	3.5	13.6	92
TOTAL INDIVIDUALS		664	739	778	727.0	721.0	664	778	57.9	33.5	130.4	2181
TOTAL SPECIES		19	15	14	14.3	14.5	14	15	0.6	0.3	1.3	43
TOTAL CRUST. INDIV.		217	246	379	280.7	298.0	217	379	86.4	49.9	194.4	842
TOTAL CRUST. SP.		3	2	3	2.3	2.5	2	3	0.6	0.3	1.3	7
GAMMARID INDIV.		17	11	19	15.7	15.0	11	19	4.2	2.4	9.4	47
GAMMARID SP.		2	1	2	1.3	1.5	1	2	0.6	0.3	1.3	4
OTHER CRUSTACEAN INDIV.		200	235	360	265.0	280.0	200	360	84.1	48.6	189.3	795
OTHER CRUSTACEAN SP.		1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
TOTAL ECHINODERM INDIV.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.		0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0

Benthic Community Data

TOTAL MOLLUSC INDIV.		48	68	70	62.0	59.0	48	70	12.2	7.0	27.4	186
TOTAL MOLLUSC SP.		4	3	4	3.0	3.0	2	4	1.0	0.6	2.3	9
TOTAL POLYCHAETE INDIV.		373	385	299	352.3	342.0	299	385	46.6	26.9	104.8	1057
TOTAL POLYCHAETE SP.		10	7	6	7.3	7.5	6	9	1.5	0.9	3.4	22

SPECIES	STANUM		STATION		IDORG		DATE		LEG		NO. PER CORE	SUMMARY STATISTICS								
	21313		SAN LEANDRO BAY-SITE 6		1758	04/17/97	51			rep1		rep2	rep3	mean	median	min	max	St. Dev.	S.E.	95%CL
<i>Nippoleuteon himmenseis</i>										379	362	789	510.0	575.5	362	789	241.8	139.6	544.0	1530
<i>Anipelsca abdita</i>					40	40	15	31.7	27.5	15	40	15	31.7	27.5	15	40	14.4	8.3	32.5	95
<i>Corophium spinicorne</i>					1	1	0	0.7	0.5	0	0	0	0.7	0.5	0	0	0.6	0.3	1.3	2
<i>Eogammarus confervicolus</i>					0	1	0	0.3	0.5	0	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Grandinterella japonica</i>					18	15	12	15.0	15.0	12	18	12	15.0	15.0	12	18	3.0	1.7	6.8	45
<i>Eusarsiella zostericola</i>					5	3	8	5.3	5.5	3	8	8	5.3	5.5	3	8	2.5	1.5	5.7	16
<i>Gemma gemma</i>					0	0	1	0.3	0.5	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Macoma balthica</i>					3	0	0	1.0	1.5	0	3	0	1.0	1.5	0	3	1.7	1.0	3.9	3
<i>Musculista senhousiei</i>					1	3	0	1.3	1.5	0	3	0	1.3	1.5	0	3	1.5	0.9	3.4	4
<i>Potamocorbula amurensis</i>					6	1	3	3.3	3.5	1	6	3	3.3	3.5	1	6	2.5	1.5	5.7	10
<i>Venerupsis philippinarum</i>					1	0	0	0.3	0.5	0	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Brania brevipharyngea</i>					0	1	0	0.3	0.5	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Eteone lighti</i>					0	0	1	0.3	0.5	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Exogone lourci</i>					0	2	0	0.7	1.0	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2
<i>Glycinde polygnatha</i>					1	1	1	1.0	1.0	1	1	1	1.0	1.0	1	1	0.0	0.0	0.0	3
<i>Glycinde spp. juv.</i>					1	0	1	0.7	0.5	0	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
<i>Harmothoe imbricata</i>					0	1	0	0.3	0.5	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Harmothoe spp.indet.</i>					5	3	2	3.3	3.5	2	5	2	3.3	3.5	2	5	1.5	0.9	3.4	10
<i>Heteromastus filiformis</i>					8	1	2	3.7	4.5	1	8	2	3.7	4.5	1	8	3.8	2.2	8.5	11
<i>Neanthes succinea</i>					0	1	2	1.0	1.0	0	2	2	1.0	1.0	0	2	1.0	0.6	2.3	3
<i>Nereididae spp. juv.</i>					0	7	2	3.0	3.5	0	7	2	3.0	3.5	0	7	3.6	2.1	8.1	9
<i>Polydora cornuta</i>					20	22	5	15.7	13.5	5	22	5	15.7	13.5	5	22	9.3	5.4	20.9	47
<i>Pseudopolydora paucibranchiata</i>					1	0	0	0.3	0.5	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Sireblossio benedicti</i>					74	69	65	69.3	69.5	65	74	65	69.3	69.5	65	74	4.5	2.6	10.1	208
<i>Tharyx parvus</i>					0	1	0	0.3	0.5	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
<i>Oligochaeta</i>					6	16	22	14.7	14.0	6	22	22	14.7	14.0	6	22	8.1	4.7	18.2	44
TOTAL INDIVIDUALS					570	551	931	684.0	741.0	551	931	931	684.0	741.0	551	931	214.1	123.6	481.8	2052
TOTAL SPECIES					17	20	16	17.7	18.0	16	20	16	17.7	18.0	16	20	2.1	1.2	4.7	53
TOTAL CRUST. INDIV.					443	422	824	563.0	623.0	422	824	824	563.0	623.0	422	824	226.3	130.6	509.1	1689

Benthic Community Data

	6	5	6	4	6	1.0	0.6	2.3	15
TOTAL CRUST. SP.	59	57	27	43.0	47.7	5.0	5.0	43.0	143
GAMMARID INDIV.	3	4	2	3.0	3.0	0.0	0.0	0.6	9
GAMMARID SP.	384	365	797	581.0	515.3	2.0	2.0	140.9	1546
OTHER CRUSTACEAN INDIV.	0	0	0	0.0	0.0	0.0	0.0	0.0	0
OTHER CRUSTACEAN SP.	0	0	0	0.0	0.0	0.0	0.0	0.0	0
TOTAL ECHINODERM INDIV.	11	4	4	6.3	7.5	4	4	2.3	19
TOTAL ECHINODERM SP.	4	2	2	2.7	3.0	2	2	0.7	8
TOTAL MOLLUSC INDIV.	110	109	81	100.0	95.5	81	110	16.5	300
TOTAL MOLLUSC SP.	7	11	9	9.0	9.0	7	11	2.0	27
TOTAL POLYCHAETE INDIV.									
TOTAL POLYCHAETE SP.									

STANUM 21314 IDORG 1759 DATE 04/16/97 LEG 51
 STATION SAN LEANDRO BAY-SITE 7

SPECIES	NO. PER CORE			SUMMARY STATISTICS							
	rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Cumacea	72	257	157	162.0	164.5	72	257	92.6	53.5	208.4	486
Nippoleucon hinumensis	0	1	1	0.7	0.5	0	1	0.6	0.3	1.3	2
Corophium spiniornae	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Eusarsiella zostericola	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Ostracoda	0	0	1	0.3	0.5	0	1	0.6	0.3	1.3	1
Tanaidacea	1	9	3	4.3	5.0	1	9	4.2	2.4	9.4	13
Gemma gemma	61	63	62	62.0	62.0	61	63	1.0	0.6	2.3	186
Macoma balthica	0	1	1	0.7	0.5	0	1	0.6	0.3	1.3	2
Musculista senhousci	0	1	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Mya arenaria	0	7	3	3.3	3.5	0	7	3.5	2.0	7.9	10
Potamocorbula anurensis	1	0	3	1.3	1.5	0	3	1.5	0.9	3.4	4
Capitella capitata	1	2	7	3.3	4.0	1	7	3.2	1.9	7.2	10
Eicone californica	5	13	8	8.7	9.0	5	13	4.0	2.3	9.1	26
Eicone lighti	6	12	8	8.7	9.0	6	12	3.1	1.8	6.9	26
Heteromastus filiformis	2	4	5	3.7	3.5	2	5	1.5	0.9	3.4	11
Nereididae spp. juv.	5	5	10	6.7	7.5	5	10	2.9	1.7	6.5	20
Polydora cornuta	16	30	16	20.7	23.0	16	30	8.1	4.7	18.2	62
Pseudopolydora kempii	6	2	17	8.3	9.5	2	17	7.8	4.5	17.5	25
Pygospio elegans	255	190	216	220.3	222.5	190	255	32.7	18.9	73.6	661
Streblospio benedicti	1	2	1	1.3	1.5	1	2	0.6	0.3	1.3	4
Tharyx parvus	1	1	0	0.7	0.5	0	1	0.6	0.3	1.3	2
Nematoda	79	35	63	59.0	57.0	35	79	22.3	12.9	50.1	177
Oligochaeta	512	635	583	576.7	573.5	512	635	61.7	35.6	138.9	1730
TOTAL INDIVIDUALS											

Benthic Community Data

	21	15	18	19	15	19	2.1	1.2	4.7	52
TOTAL SPECIES	21	15	18	19	15	19	2.1	1.2	4.7	52
TOTAL CRUST. INDIV.	72	258	160	160	72	258	93.0	53.7	209.4	490
TOTAL CRUST. SP.	4	1	2	4	1	4	1.5	0.9	3.4	7
GAMMARID INDIV.	0	1	1	1	0	1	0.6	0.3	1.3	2
GAMMARID SP.	1	0	1	1	0	1	0.6	0.3	1.3	2
OTHER CRUSTACEAN INDIV.	72	257	159	159	72	257	92.6	53.4	208.2	488
OTHER CRUSTACEAN SP.	3	1	1	3	1	3	1.2	0.7	2.6	5
TOTAL ECHINODERM INDIV.	0	0	0	0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.	0	0	0	0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.	62	81	69	69	62	81	9.6	5.5	21.6	212
TOTAL MOLLUSC SP.	5	2	5	4	2	5	1.5	0.9	3.4	11
TOTAL POLYCHAETE INDIV.	298	260	291	291	260	298	20.2	11.7	45.5	849
TOTAL POLYCHAETE SP.	10	10	9	10	9	10	0.6	0.3	1.3	29

STANUM 21404 STATION 1801 IDORG 12/03/97 LEG 56
 CARLSON CREEK REFERENCE

SPECIES	TAXA	NO. PER CORE			SUMMARY STATISTICS							
		rep 1	rep 2	rep 3	mean	median	min	max	St. Dev.	S.E.	95%CL	sum
Cumacea	Cumacea	1	0	36	12.3	18.0	0	36	20.5	11.8	46.1	37
Nippoleucon hinumensis	Cumacea	20	42	10	24.0	26.0	10	42	16.4	9.5	36.8	72
Allorchestes angusta	Gammaridea	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Corophium acherusicum	Gammaridea	3	5	1	3.0	3.0	1	5	2.0	1.2	4.5	9
Grandierella japonica	Gammaridea	18	25	11	18.0	18.0	11	25	7.0	4.0	15.8	54
Sphaeroma sp.	Isopoda	1	0	0	0.3	0.5	0	1	0.6	0.3	1.3	1
Simelobus stanfordi	Tanaidacea	6	8	9	7.7	7.5	6	9	1.5	0.9	3.4	23
Gemma gemma	Bivalvia	3	0	1	1.3	1.5	0	3	1.5	0.9	3.4	4
Macoma balthica	Bivalvia	19	14	15	16.0	16.5	14	19	2.6	1.5	6.0	48
Eteone californica	Polychaeta	18	10	10	12.7	14.0	10	18	4.6	2.7	10.4	38
Eteone lighti	Polychaeta	14	22	5	13.7	13.5	5	22	8.5	4.9	19.1	41
Glycinde polygnatha	Polychaeta	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Heteromastus filiformis	Polychaeta	2	2	0	1.3	1.0	0	2	1.2	0.7	2.6	4
Neanthes succinea	Polychaeta	2	0	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Neanthes virens	Polychaeta	0	2	0	0.7	1.0	0	2	1.2	0.7	2.6	2
Polydora cornuta	Polychaeta	0	4	22	8.7	11.0	0	22	11.7	6.8	26.4	26
Polydora kempii	Polychaeta	10	25	22	19.0	17.5	10	25	7.9	4.6	17.9	57
Pseudopolydora paucibranchiata	Polychaeta	0	2	7	3.0	3.5	0	7	3.6	2.1	8.1	9
Pygospio elegans	Polychaeta	18	20	165	67.7	91.5	18	165	84.3	48.7	189.7	203
Streblospio benedicti	Polychaeta	268	316	160	248.0	238.0	160	316	79.9	46.1	179.8	744

Benthic Community Data

Species	20	14	7	13.7	13.5	7	20	6.5	3.8	14.6	41
Capitella capitata											
Pseudopolydora kempfi	10	25	2	12.3	13.5	2	25	11.7	6.7	26.3	37
Oligochaeta	60	120	36	72.0	78.0	36	120	43.3	25.0	97.4	216
TOTAL INDIVIDUALS	494	658	519	557.0	576.0	494	658	88.4	51.0	198.8	1671
TOTAL SPECIES	23	19	17	18.0	18.0	17	19	1.0	0.6	2.3	54
TOTAL CRUST. INDIV.	50	80	67	65.7	65.0	50	80	15.0	8.7	33.9	197
TOTAL CRUST. SP.	7	4	5	5.3	5.5	4	7	1.5	0.9	3.4	16
GAMMARID INDIV.	22	30	12	21.3	21.0	12	30	9.0	5.2	20.3	64
GAMMARID SP.	3	2	2	2.3	2.5	2	3	0.6	0.3	1.3	7
OTHER CRUSTACEAN INDIV.	28	50	55	44.3	41.5	28	55	14.4	8.3	32.3	133
OTHER CRUSTACEAN SP.	4	2	3	3.0	3.0	2	4	1.0	0.6	2.3	9
TOTAL ECHINODERM INDIV.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL ECHINODERM SP.	0	0	0	0.0	0.0	0	0	0.0	0.0	0.0	0
TOTAL MOLLUSC INDIV.	22	14	16	17.3	18.0	14	22	4.2	2.4	9.4	52
TOTAL MOLLUSC SP.	2	1	2	1.7	1.5	1	2	0.6	0.3	1.3	5
TOTAL POLYCHAETE INDIV.	362	444	400	402.0	403.0	362	444	41.0	23.7	92.3	1206
TOTAL POLYCHAETE SP.	13	9	9	10.0	10.5	9	12	1.7	1.0	3.9	30

STANUM	STATION	IDORG	DATE	LEG
21401	ZENECA MARSH #1	1799	12/03/97	56

SPECIES TAXA
NO ANIMALS PRESENT

STANUM	STATION	IDORG	DATE	LEG
21402	ZENECA MARSH #2	1800	12/03/97	56

SPECIES TAXA
NO ANIMALS PRESENT

Appendix G

Effects of Extraction Methods on Porewater Toxicity

METHODS VALIDATION: EFFECTS OF EXTRACTION METHOD ON POREWATER TOXICITY

Introduction

As part of the development and validation of analytical methods for the BPTCP, a study was conducted in 1993 to assess the effects of three extraction methods on the toxicity of the sediment porewater. Sediment was collected at four sites in the San Francisco Bay Region, and porewater was extracted by centrifugation, piston squeezing, and passive separation through sediment settlement. These porewater samples were then tested for toxicity using the sea urchin embryo/larval development test and the amphipod survival test.

Methods

Sediment was collected from four sites using the techniques described in the Methods section of the main report. One site, Bolinas Lagoon, is remote from industrial pollution sources, but has shown sediment toxicity in past surveys. Castro Cove has elevated concentrations of numerous chemicals, primarily high molecular weight PAH compounds. The Hunter's Point and Oakland Harbor sites have received chemical inputs from shipbuilding and industrial activities, and likely receive storm water runoff as well.

Sediment samples were homogenized in the field in polycarbonate tubs, and were brought to Moss Landing Marine Laboratories for porewater extraction. All storage and handling techniques were as described in the Methods section of the main report.

Porewater was extracted using three methods. The squeezing technique used a pneumatic air cylinder to apply pressure to pistons within a core tube. Sediment placed in the core tube was compressed by the piston, and the force displaced porewater from the interstitial spaces of the sediment. The rate of porewater displacement was controlled by increasing or decreasing the air pressure to the cylinder. Glas fiber filters (0.45 μm) were used to retain sediment and allow porewater to flow from the cylinder port. There was concern with this technique that somewhere in the working pressure range of 0 to 200 psi the potential for pressure-related artifacts would arise. Such artifacts might include the lysing of biological cells, with release of natural toxins, or the stripping of chemicals from solid-phase sediment beyond that which would occur under conditions of porewater equilibrium in the environment.

The second technique was centrifugation. Sediment samples were centrifuged in one-liter polycarbonate bottles at 2500 g for 30 minutes at 4° C. Centrifugation also exerts force on sediment samples, perhaps affecting chemical equilibria or the integrity of biological cells, and may also result in toxicity artifacts. The third method was passive settling, in which sediment samples were simply allowed to stand for 48 hours, and pore

water supernatant was siphoned off the top. Neither of these techniques incorporated any sample filtration.

These three porewater treatments were then tested for toxicity to sea urchin embryos at the Marine Pollution Studies Laboratory at Granite Canyon, and for toxicity to amphipods (*Eohaustorius*) at H.R. Hansen and Associates, using the protocols described in the Methods section of the main report. Sea urchin tests were 96 hours in duration; amphipod tests, both porewater and solid-phase, were 10 days in duration. Porewater was renewed every 48 hours for the amphipod tests, and was not renewed for the sea urchin tests. Six porewater concentrations and a control were tested for each treatment. For all treatments, porewater concentrations were 0% (control), 1%, 5%, 10%, 25%, 50%, and 100% porewater.

Results and Discussion

While six porewater concentrations were tested, all concentration lower than 100% were non-toxic to sea urchin larvae, and there was sufficient resolution among samples in the 100% porewater amphipod tests that subsequent dilutions provided little additional information.

In the sea urchin tests, the passive technique was assumed to be the least disruptive of the three techniques, and this treatment was compared to the other two for resolution of extraction artifacts. Porewater produced by squeezing was more toxic than either the centrifugation or passive treatments in samples from all four sites (Table G-1). Centrifugation and passive samples produced identical results in one sample, but there were significant differences between the two in the other three samples. Passive was less toxic than centrifugation in one sample, but more toxic in two others.

Table G-1. Sea urchin toxicity in porewater samples extracted using different techniques. Values are mean percent normal sea urchin larval development, with standard deviations in parentheses.

Test Site	Extraction Technique		
	Squeezing	Centrifugation	Passive
Bolinas Lagoon	40 (15)	92 (3)	77 (6)
Castro Cove	4 (4)	87 (4)	49 (10)
Oakland Harbor	11 (18)	32 (19)	91 (2)
Hunter's Point	84 (3)	94 (1)	94 (4)
Control	89 (1)	89 (1)	89 (1)

In the amphipod tests, the solid phase exposure was assumed to be the ground-truth against which to compare porewater results. However, the solid-phase exposures produced significantly greater toxicity than did any porewater treatment in all four samples (Table G-2). Two samples (Bollinas Lagoon and Hunter's Point) were essentially non-toxic in all porewater extraction treatments, though both were toxic in solid-phase tests. In the Castro Cove sample, the squeezing treatment was much less toxic than either passive or centrifugation. In the Oakland Harbor sample, the squeezing treatment was more toxic than either passive or centrifugation. Only in this Oakland Harbor sample was any porewater treatment similar to solid-phase, with the squeezing treatment having 55% survival compared to 60% in solid-phase. There were no obvious explanations for the greater toxicity in the solid-phase tests. No chemical analyses were conducted on either solid-phase or porewater samples. Sediment grain size was relatively high, ranging from 89% to 96% fines, but this percentage of fine-grained sediments would not generally be responsible for the magnitude of effects observed.

Table G-2. Amphipod toxicity in porewater samples extracted using different techniques. Values are mean percent amphipod survival. The last column gives the results of amphipod survival in solid-phase sediment from which porewater was extracted for comparison.

Test Site	Extraction Technique			Solid-Phase Sediment
	Squeezing	Centrifugation	Passive	
Bollinas Lagoon	80	85	85	44
Castro Cove	75	15	10	5
Oakland Harbor	55	80	90	60
Hunter's Point	90	100	100	31
Control	> 80	> 75	> 85	98

There were a number of conflicting trends in the data, perhaps indicating the site-specific nature of porewater equilibrium conditions. The only consistent trend was that porewater produced by squeezing was consistently the most toxic to sea urchin larvae. In order to produce data as free from technical artifacts as possible, the squeezing method was discontinued in favor of centrifugation after this study was completed. By using centrifugation, the program was attempting to minimize the occurrence of false positive results, in order to have greater confidence that determinations of sample toxicity were most likely to be accurate.