Appendix A. Field data from May 2007 sediment and coral sampling.

Site	Sample Type	Stratum	Collection Date	Latitude (DD)	Longitude (DD)	Water Depth (m)	Dissolved Oxygen Surface (mg/L)	Dissolved Oxygen Bottom (mg/L)	Water Temperature Surface (°C)	Water Temperature Bottom (°C)	Salinity Surface (ppt)	Salinity Bottom (ppt)	Conductivity Surface (mS)	Conductivity Bottom (mS)
1N01	Coral	North 1	05/15/07	18.17931	-65.52414	10.1	5.68	5.69	39.2	29.2	35.1	35.1	57.6	57.6
1N02	Coral	North 1	05/14/07	18.16062	-65.51342	6.1	5.65	5.59	29.3	29.3	34.9	34.9	57.5	57.5
1N06	Coral	North 1	05/15/07	18.12008	-65.60602	9.8	5.65	5.66	29.3	29.1	35.1	35	57.7	57.4
1N1P	Sediment	North 1	05/29/07	18.14290	-65.51667	NA	NA	NA	29.7	29.5	NA	NA	51.8	51.3
1NEX1	Coral	North 1	05/15/07	18.17220	-65.52430	14.0	5.65	5.75	29.1	29.1	35.1	35.1	57.5	57.5
1S02	Coral	South 1	05/15/07	18.11798	-65.62800	14.6	5.45	5.33	28.9	28.8	35	35	57.2	57.2
1S03	Coral	South 1	05/18/07	18.09288	-65.58649	11.3	6.3	6.28	28.85	28.77	NA	NA	55.91	55.89
1S04	Coral	South 1	05/18/07	18.09026	-65.57828	12.8	6.52	7.12	29.09	29.06	NA	NA	55.99	55.95
1S05	Coral	South 1	05/21/07	18.08139	-65.52396	7.3	7.73	7.4	29.29	29.3	NA	NA	56.1	56.09
1S07	Coral	South 1	05/15/07	18.09202	-65.62709	21.3	5.45	5.35	28.6	28.6	35	35	57	56.9
1S10	Coral	South 1	05/15/07	18.09889	-65.61988	16.5	5.36	5.48	28.7	28.6	35	35	56.9	56.9
1SEX1	Coral	South 1	05/18/07	18.08598	-65.55971	3.7	7.68	8.27	29.8	29.71	NA	NA	56.16	56.06
1SEX2	Coral	South 1	05/18/07	18.10169	-65.57910	8.5	7.25	7.29	29.08	29.04	NA	NA	55.97	55.94
2N1P	Sediment	North 2	05/18/07	18.12876	-65.53720	3.4	6.55	6.49	28.86	28.89	NA	NA	56.02	56.01
2NEX1	Coral	North 2	05/14/07	18.14264	-65.47427	1.8	6.43	6.32	29.4	29.2	35	35	57.8	57.5
2S01	Coral	South 2	05/21/07	18.08093	-65.49849	NA	7.3	7.2	29.08	29.03	NA	NA	55.89	55.88
2S02	Coral	South 2	05/19/07	18.08475	-65.44840	8.5	6.9	6.99	29.02	29.02	NA	NA	56.07	56.05
2S06	Coral	South 2	05/21/07	18.07432	-65.49906	18.9	7.3	7.2	28.9	28.8	NA	NA	55.9	55.9
2SEX2	Coral	South 2	05/19/07	18.08629	-65.45727	8.2	6.86	6.84	29.13	29.12	NA	NA	56.13	56.1
3N05	Coral	North 3	05/17/07	18.16136	-65.38290	4.0	6.61	6.24	28.88	28.59	NA	NA	56.22	56.18
3N06	Coral	North 3	05/16/07	18.14931	-65.33029	4.0	6.16	6.02	29.2	28.8	35.4	35.4	58.1	57.7
3N1P	Sediment	North 3	05/14/07	18.13961	-65.51111	NA	6.48	7.22	30.4	30.3	35.2	35.2	53.6	59
3NEX1	Coral	North 3	05/17/07	18.16125	-65.36487	7.9	6.34	6.47	28.58	28.6	NA	NA	56.19	56.17
3S01	Coral	South 3	05/21/07	18.09065	-65.42587	8.2	7.3	NA	29.51	29.35	NA	NA	56.04	56.03
3S02	Coral	South 3	05/24/07	18.10345	-65.36238	14.9	16.91	18.18	28.97	28.46	NA	NA	55.36	55.51
3S03	Coral	South 3	05/23/07	18.10075	-65.31573	NA	NA	NA	NA	NA	NA	NA	NA	NA
3S06	Coral	South 3	05/23/07	18.10761	-65.30828	NA	NA	NA	NA	NA	NA	NA	NA	NA
3S08	Coral	South 3	05/24/07	18.07102	-65.40174	23.8	13.01	11.82	28.44	28.44	NA	NA	55.58	55.54
4N03	Coral	North 4	05/16/07	18.15093	-65.29746	7.6	5.53	5.845	28.2	28.2	35.2	35.3	56.8	56.8
4N06	Coral	North 4	05/16/07	18.14970	-65.28026	9.8	5.4	5.5	28.3	28.3	35.3	35.3	57.1	57
4N1P*	Sediment	North 4	05/25/07	18.11902	-65.56055	0.3	1.63	NA	31.8	NA	37.7	NA	64.3	56.9
4S04	Coral	South 4	05/23/07	18.11126	-65.28720	NA	NA	NA	NA	NA	NA	NA	NA	NA
4S06	Coral	South 4	05/22/07	18.12866	-65.30028	4.6	11.95	14.84	29.03	28.99	NA	NA	55.56	55.55
5N01	Coral	North 5	05/16/07	18.13685	-65.26897	7.6	5.46	5.54	28.3	28.3	35.4	35.3	57	57
5N04	Coral	North 5	05/16/07	18.13691	-65.27227	5.2	5.44	5.52	28.4	28.4	35.4	35.4	57.1	57.1
5N1P	Sediment	North 5	05/18/07	18.12263	-65.53841	0.9	6.24	6.24	29.33	29.33	NA	NA	54.42	54.42
5NEX1	Sediment	North 5	05/17/07	18.13926	-65.27096	11.9	5.26	5.15	28	28	35.5	35.5	56.9	56.9
5NEX1	Coral	North 5	05/17/07	18.13926	-65.27096	11.9	5.26	5.15	28	28	35.5	35.5	56.9	56.9
5S01	Coral	South 5	05/22/07	18.11651	-65.27860	21.3	6.2	6.38	28.2	28.13	NA	NA	56.24	56.22
6N1P	Sediment	North 1	05/18/07	18.12949	-65.52247	1.2	5.68	5.48	29.09	29.12	NA	NA	56.35	56.34
16N2P	Sediment	North 2	05/29/07	18.14841	-65.44607	4.6	NA	NA	29.39	29.23	NA	NA	52.2	51.6
17N2P	Sediment	North 2	05/29/07	18.15355	-65.44403	1.2	NA	NA	31.9	NA	34.4	NA	52.4	NA

Note: * denotes inland lagoon sites.
Abbreviations: NA, not available; DD, decimal degrees; ppt, parts per thousand; mS, millisiemens.

Appendix A. Field data from May 2007 sediment and coral sampling (cont.).

Site	Sample Type	Stratum	Collection Date	Latitude (DD)	Longitude (DD)	Water Depth (m)	Dissolved Oxygen Surface (mg/L)	Dissolved Oxygen Bottom (mg/L)	Water Temperature Surface (°C)	Water Temperature Bottom (°C)	Salinity Surface (ppt)	Salinity Bottom (ppt)	Conductivity Surface (mS)	Conductivity Bottom (mS)
19N2P	Sediment	North 2	05/29/07	18.17083	-65.42618	15.2	NA	NA	29	28.7	NA	NA	51.22	51.98
22N2P	Sediment	North 2	05/17/07	18.16091	-65.44589	10.7	6.98	6.94	28.7	28.71	NA	NA	56.17	56.14
27N2A	Sediment	North 2	05/30/07	18.15141	-65.44365	0.3	NA	NA	NA	NA	NA	NA	NA	NA
28N2A	Sediment	North 2	05/29/07	18.14372	-65.47067	5.2	NA	NA	29.32	29.2	NA	NA	51.72	51.49
31N3P*	Sediment	North 3	05/21/07	18.14448	-65.33205	0.6	3.23	NA	32.9	NA	4.8	NA	10.01	NA
32N3P*	Sediment	North 3	05/21/07	18.15295	-65.36352	0.0	NA	NA	NA	NA	NA	NA	NA	NA
33N3P*	Sediment	North 3	05/21/07	18.15516	-65.36281	0.6	NA	NA	29.9	NA	32.8	NA	55.4	NA
37N3P	Sediment	North 3	05/17/07	18.15812	-65.37229	1.2	7.34	6.88	28.8	28.86	NA	NA	56.18	56.15
38N3P	Sediment	North 3	05/16/07	18.15392	-65.31847	11.0	5.5	5.55	28.4	28.4	35.4	35.4	57.2	57.1
39N3P	Sediment	North 3	05/16/07	18.14724	-65.33203	0.6	5.81	5.78	28.4	28.5	35.5	35.5	58.4	58.5
40N3P	Sediment	North 3	05/17/07	18.16281	-65.38586	9.4	6.48	6.67	28.97	28.54	NA	NA	56.15	56.17
45N3A	Sediment	North 3	05/28/07	18.15267	-65.36191	0.5	1.72	NA	30.8	NA	10.4	NA	19.86	NA
51N4P	Sediment	North 4	05/17/01	18.14433	-65.29725	NA	5.66	NA	28.4	28.6	35.5	35.5	57.4	57.3
52N4P	Sediment	North 4	05/21/07	18.14376	-65.30189	0.6	NA	NA	29.7	NA	34.7	NA	57.4	NA
52N4PX*	Sediment	North 4	05/21/07	18.14202	-65.29977	0.1	2.46	NA	36.2	NA	27.3	NA	51.6	NA
54N4P	Sediment	North 4	05/16/07	18.14800	-65.29546	7.6	5.62	5.51	28.3	28.3	35.3	35.3	57	57
57N4A	Sediment	North 4	05/16/07	18.14620	-65.30429	7.0	5.88	5.79	28.2	28.2	35.4	35.3	57	57
66N5A	Sediment	North 5	05/17/07	18.13941	-65.27912	0.6	5.44	5.5	28	28	35.5	35.5	56.9	56.9
67S1P*	Sediment	South 1	05/22/07	18.08883	-65.51905	0.1	0.96	NA	35.5	NA	44.5	NA	66	NA
68S1P*	Sediment	South 1	05/24/07	18.11511	-65.56014	1.1	1.57	1.11	30.8	30.6	37.3	37.3	62.5	56.4
69S1P*	Sediment	South 1	05/24/07	18.11548	-65.57066	1.2	1.3	1.29	32.2	32	52.8	52.9	87	86.8
70S1P*	Sediment	South 1	05/24/07	18.10486	-65.57455	0.6	1.95	NA	30	NA	37.4	NA	61.8	NA
71S1P	Sediment	South 1	05/18/07	18.09491	-65.57368	6.1	6.87	6.68	29.13	29.09	NA	NA	56.06	56.02
72S1P	Sediment	South 1	05/18/07	18.08000	-65.55170	11.6	7.39	7.63	29.31	29.21	NA	NA	56.06	55.99
73S1P	Sediment	South 1	05/18/07	18.08915	-65.50825	8.5	7.1	6.94	29.75	29.53	NA	NA	56.19	56.08
78S1A	Sediment	South 1	05/21/07	18.08632	-65.51226	8.2	7.32	7.56	29.31	29.32	NA	NA	56.09	56.07
87S2P	Sediment	South 2	05/19/07	18.09354	-65.46745	1.8	8.19	8.21	29.53	29.56	NA	NA	56.21	56.16
88S2P	Sediment	South 2	05/24/07	18.09650	-65.44088	0.9	1.81	NA	31.6	NA	35.5	NA	54	NA
89S2P	Sediment	South 2	05/24/07	18.10303	-65.45129	0.3	1.51	NA	32.2	NA	34.8	NA	60.2	62
91S2P	Sediment	South 2	05/24/07	18.10547	-65.44129	0.3	1.33	NA	33.4	NA	38	NA	66.4	NA
92S2P	Sediment	South 2	05/24/07	18.10389	-65.44550	1.2	1.12	1.58	32.3	33.2	35.6	35.7	61.9	NA
96S2A	Sediment	South 2	05/21/07	18.08977	-65.45038	2.1	6.3	7.44	30.81	30.52	NA	NA	56.36	56.21
101S2P	Sediment	South 2	05/19/07	18.08485	-65.44409	12.2	6.88	6.37	28.92	28.93	NA	NA	56.05	55.99
101S2P	Coral	South 2	05/19/07	18.08485	-65.44409	12.2	6.88	6.37	28.92	28.93	NA	NA	56.05	55.99
104S3P	Sediment	South 3	05/24/07	18.10572	-65.43908	0.3	1.4	NA	36.6	NA	40.3	NA	60.6	NA
105S3P	Sediment	South 3	05/23/07	18.12998	-65.31047	0.3	2.11	NA	32.1	NA	35.6	NA	61.5	NA
106S3P	Sediment	South 3	05/23/07	18.12343	-65.33116	NA	2.71	1.8	30.4	30.2	35.3	35.4	53.7	59
109S3P	Sediment	South 3	05/22/07	18.10919	-65.42488	1.1	1.91	NA	32.5	NA	35.9	NA	54.7	NA
115S3A	Sediment	South 3	05/22/07	18.11238	-65.39127	0.8	1.86	NA	33	NA	30.9	NA	54.9	NA
126S4P	Sediment	South 4	05/23/07	18.13224	-65.28221	0.8	2.55	NA	30.2	NA	35	NA	58.4	NA
127S4P	Sediment	South 4	05/29/07	18.13365	-65.30296	0.8	NA	7.8	29.3	29.3	51.1	52	NA	NA
136S5P	Sediment	South 5	05/22/07	18.13299	-65.27021	5.5	7.7	7.98	28.49	28.51	NA	NA	56.1	56.1
137S5P	Sediment	South 5	05/22/07	18.12952	-65.27237	3.0	6.72	7.84	28.67	28.33	NA	NA	56.06	56.1
137S5P	Coral	South 5	05/22/07	18.12952	-65.27237	3.0	6.72	7.84	28.67	28.33	NA	NA	56.06	56.1

Abbreviations: NA, not available; DD, decimal degrees; ppt, parts per thousand; mS, millisiemens.

Appendix B. Field data from October 2007 inland lagoon sediment sampling.

Site	Sample Type	Collection Date	Latitude (DD)	Longitude (DD)	Water Depth (m)	Dissolved Oxygen (mg/L)	Water Temperature (°C)	Salinity (ppt)	Conductivity (mS)
01P	Sediment	10/19/07	18.116129	-65.560908	0.50	6.42	29.3	34.9	57.5
02P	Sediment	10/19/07	18.111926	-65.564239	0.50	5.52	29.8	34.7	57.6
07P	Sediment	10/23/07	18.105389	-65.575543	NA	8.96	34.8	34.4	62.4
08P	Sediment	10/23/07	18.105014	-65.57234	0.41	3.47	32.5	36.6	63.7
16P	Sediment	10/22/07	18.134992	-65.27778	0.02	NA	NA	NA	NA
17P	Sediment	10/22/07	18.135681	-65.278611	0.02	8.23	31.5	NA	1.8
18P	Sediment	10/22/07	18.136156	-65.27916	0.02	5.4	31.7	77.6	120.9
21P	Sediment	10/22/07	18.156333	-65.373171	0.20	8.46	35.7	28	51.9
22P	Sediment	10/22/07	18.155879	-65.37291	0.13	8.45	35.3	15.1	29.8
23P	Sediment	10/22/07	18.155899	-65.373898	0.25	9.34	35.5	31.8	57.8
26P	Sediment	10/22/07	18.135717	-65.298108	0.05	7.48	31.3	NA	160.7
27P	Sediment	10/22/07	18.139051	-65.297756	0.10	4.45	32.2	71.6	NA
28P	Sediment	10/22/07	18.134603	-65.296673	0.08	4.47	30.5	51	94.2
31P	Sediment	10/22/07	18.141068	-65.299218	0.08	7.13	NA	32.6	NA
32P	Sediment	10/22/07	18.140097	-65.301605	0.08	6.41	34.4	41.7	74
36P	Sediment	10/22/07	18.137854	-65.308095	0.05	4.8	36.8	79.2	132
37P	Sediment	10/22/07	18.138133	-65.30735	0.03	NA	NA	NA	NA
38P	Sediment	10/22/07	18.138727	-65.307287	Dry	NA	NA	NA	NA
41P	Sediment	10/20/07	18.098965	-65.454588	0.13	0.02	35.2	39.1	70.6
42P	Sediment	10/20/07	18.098709	-65.455209	0.20	5.32	34.2	41.2	72.6
43P	Sediment	10/20/07	18.10201	-65.455824	0.30	3.38	34.5	40	71.1
46P	Sediment	10/20/07	18.1135	-65.3921	0.50	2.03	29.9	14	23.75
47P	Sediment	10/20/07	18.1144	-65.3919	0.50	3.01	30.3	32.2	54.5

Note: All sites sampled during October 2007 mission were inland lagoons.
Abbreviations: NA, not available; DD, decimal degrees; ppt, parts per thousand; mR/hr, millirem per hour

Appendix C. Total organic carbon and grain size analysis results from the sediment samples.

Site	TOC (%)	TIC (%)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Fines (%)
01P	0.97	5.31	3.35	70.29	13.18	13.18	26.36
2N1P	1.17	10.84	31.83	52.67	6.20	9.30	15.49
02P	1.82	0.55	0.00	87.47	6.13	6.40	12.53
2N1P	1.17	10.84	31.83	52.67	6.20	9.30	15.49
3N1P	0.91	8.73	26.08	26.05	37.49	10.38	47.87
4N1P	7.28	2.25	0.00	15.79	61.14	23.07	84.22
5N1P	1.61	6.99	13.63	44.07	25.68	16.62	42.30
5NEX1	0.67	11.45	24.74	73.51	0.18	1.57	1.75
6N1P	1.07	6.52	19.96	68.19	5.77	6.08	11.85
07P	12.85	1.20	0.00	35.80	28.64	35.56	64.20
08P	8.92	0.42	0.00	19.53	44.45	36.02	80.47
16N2P	0.06	3.55	0.00	87.37	11.00	1.63	12.63
16P	0.68	5.81	0.00	42.61	50.87	6.52	57.39
17N2P	0.93	8.67	5.11	91.84	0.71	2.34	3.06
17P	1.10	5.92	0.00	25.08	65.76	9.16	74.92
18P	0.98	4.75	0.00	9.37	74.60	16.03	90.63
19N2P	0.63	9.66	10.01	65.06	20.08	4.85	24.93
21P	2.38	0.68	0.00	22.61	33.58	43.81	77.39
22N2P	0.66	9.19	24.19	74.83	0.89	0.09	0.98
22P	1.30	0.37	0.00	18.24	59.32	22.44	81.76
23P	2.30	0.75	0.00	10.79	73.47	15.74	89.21
26P	0.82	6.28	1.54	59.51	33.12	5.83	38.95
27N2A	0.22	1.61	0.80	97.89	0.50	0.81	1.31
27P	0.73	2.31	0.00	30.63	52.73	16.64	69.37
28N2A	0.27	7.83	0.15	98.46	0.21	1.18	1.39
28P	1.08	3.90	0.00	28.11	50.86	21.03	71.89
31N3P	1.53	1.55	0.33	7.55	65.49	26.63	92.12
31P	0.83	1.93	0.00	43.06	46.08	10.86	56.94
32N3P	8.01	4.99	0.74	35.26	38.68	25.32	64.00
32P	0.94	3.84	0.00	41.56	43.09	15.35	58.44
33N3P	0.53	10.90	3.30	93.88	0.87	1.95	2.82
36P	1.67	2.54	0.00	17.03	69.95	13.02	82.97
37N3P	0.15	9.19	0.13	97.98	0.12	1.77	1.89
37P	1.33	3.18	0.00	33.08	56.55	10.37	66.92
38N3P	2.16	9.78	22.00	74.35	1.31	2.34	3.65
38P	1.15	2.35	0.00	8.14	84.79	7.07	91.86
39N3P	0.76	10.67	2.74	90.35	3.26	3.65	6.91
40N3P	0.76	9.30	0.36	97.25	0.48	1.91	2.39
41P	11.06	1.47	0.00	28.59	30.15	41.26	71.41
42P	6.05	0.86	0.00	21.61	29.17	49.22	78.39
43P	4.38	0.74	0.00	21.85	35.82	42.33	78.15
45N3A	2.30	0.69	17.54	13.48	37.53	31.45	68.98

Abbreviations: TOC, total organic carbon; TIC, total inorganic carbon

Appendix C. Total organic carbon and grain size analysis results from the sediment samples (continued).

Site	TOC (%)	TIC (%)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Fines (%)
46P	6.80	0.61	0.00	12.36	46.36	41.28	87.64
47P	2.76	1.48	0.00	6.29	55.15	38.56	93.71
51N4P	0.56	11.08	1.90	90.91	3.33	3.86	7.19
52N4P	1.07	10.27	1.38	94.55	1.42	2.65	4.07
52N4PX	0.26	1.60	3.30	67.62	24.08	5.00	29.08
54N4P	0.48	11.26	5.44	77.56	13.92	3.08	17.00
57N4A	1.10	10.76	0.52	90.48	6.92	2.08	8.99
66N5A	1.11	10.58	0.00	98.43	0.10	1.47	1.57
67S1P	4.04	3.79	0.00	8.60	51.70	39.70	91.40
69S1P	8.32	3.80	0.00	15.58	28.14	56.28	84.42
70S1P	20.02	2.40	0.00	19.93	24.37	55.70	80.06
71S1P	0.55	6.92	1.11	83.37	12.51	3.01	15.52
72S1P	0.29	7.68	0.31	93.74	5.11	0.84	5.95
73S1P	0.49	7.18	0.84	96.06	2.96	0.14	3.11
78S1A	0.14	7.38	2.55	97.28	0.17	0.00	0.17
87S2P	0.21	7.04	0.00	93.81	3.35	2.84	6.19
88S2P	1.26	10.12	0.00	49.39	34.09	16.52	50.61
89S2P	0.77	0.75	0.00	73.70	16.33	9.97	26.30
91S2P	8.59	1.56	0.00	6.99	68.06	24.95	93.01
92S2P	2.42	4.19	5.03	16.67	67.49	10.81	78.30
96S2A	1.55	10.63	14.23	58.15	14.93	12.69	27.62
101S2P	0.85	10.88	1.16	97.81	1.03	0.00	1.03
104S3P	7.44	1.05	0.00	11.08	54.82	34.10	88.92
105S3P	1.35	10.74	0.00	83.32	6.81	9.87	16.68
106S3P	1.13	10.18	0.00	81.10	10.35	8.55	18.90
107S3P	1.41	8.70	4.78	75.43	8.81	10.98	19.79
109S3P	2.45	8.53	9.28	34.28	41.03	15.41	56.44
110S3P	2.59	9.21	10.68	82.46	4.81	2.05	6.86
115S3A	2.57	8.95	1.90	96.38	0.86	0.86	1.71
126S4P	0.37	11.08	3.73	83.34	2.25	10.68	12.93
127S4P	0.93	10.77	18.17	58.42	17.59	5.82	23.40
128S4P	3.02	8.80	24.27	71.04	2.41	2.28	4.69
129S4P	1.97	9.87	0.00	84.34	6.59	9.07	15.66
136S5P	0.99	11.04	17.20	82.50	0.10	0.20	0.29
137S5P	2.94	9.03	2.68	92.52	4.04	0.76	4.80

Abbreviations: TOC, total organic carbon; TIC, total inorganic carbon

Appendix D. Total polycyclic aromatic hydrocarbons (PAHs) in sediments (ng/ dry g).

Compound	01P	1N1P	02P	2N1P	3N1P	4N1P	5N1P	5NEX1	6N1P	07P	08P	16N2P
Decalin	0 U	0 U	0 U	0 U	3.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Naphthalene	0.4	0.4	1.3	0.3	0.4	1.6	0.7	0.2	0.4	3.5	6.5	0.3
C1-Naphthalenes	0.3 J	0.2 J	0.5	0 U	0.4	0.9	0.8	0.1 J	0.2 J	1	2.6	0.2 J
C2-Naphthalenes	1.3	0.4	1.9	0 U	0.5	3.8	1.3	0 U	0.6	4.5	4.6	0 U
C3-Naphthalenes	1.1	0 U	1.5	0 U	0 U	2	1.1	0 U	0 U	2.1	3.5	0 U
C4-Naphthalenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3.4	0 U
Benzothiophene	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.5	0.3	0 U
C1-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Biphenyl	0.2	0.2	0.3	0.1 J	0.2	0.4	0.3	0.2	0.2	0.6	2	0.2
Acenaphthylene	1.1	0.3	0.4	0.2	0.4	1.8	0.4	0 U	0.2	0.4	0.3	0.2
Acenaphthene	0.1 J	0.2	1.1	0.2	0.1 J	0.6	0.5	0 U	0.2	2.1	0.6	0 U
Dibenzofuran	0.3	0.2 J	0.4	0.2 J	0.2 J	0.7	0.5	0.1 J	0.2 J	1	3.5	0.3
Fluorene	1.6	0.7	3.1	0.1 J	0.8	0.9	1.7	0 U	0.7	4.8	4.3	0.1 J
C1-Fluorenes	0 U	0.5	0 U	0 U	0 U	1.2	1	0 U	0.7	0 U	5	0 U
C2-Fluorenes	0 U	0 U	0 U	0 U	0 U	4	0 U	0 U	1.5	0 U	12.1	0 U
C3-Fluorenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Anthracene	2.4	0.3	0.6	0.1 J	0.5	2.6	0.3	0 U	0.3	3.6	3.1	0.2
Phenanthrene	1.5	0.6	1.7	0.5	1.7	4.5	2.3	0.2	0.6	5.6	8.9	0.6
C1-Phenanthrene/Anthracenes	2.3	0.5	0 U	0.5	1.2	6.5	1.1	0 U	0.5	6.4	18.3	0.4
C2-Phenanthrene/Anthracenes	2.8	0 U	0 U	0.7	1.6	11.7	1.3	0 U	1	12.7	11.7	0.7
C3-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5.1	0 U	0 U
C4-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Dibenzothiophene	0.2	0.1 J	0 U	0.1 J	0.1 J	0.8	0.2	0 U	0.1 J	0.7	1	0.1 J
C1-Dibenzothiophenes	0.3 J	0 U	0 U	0 U	0 U	0.8	0 U	0 U	0 U	0 U	1.1	0 U
C2-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	1.4	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Fluoranthene	10.5	0.8	3	0.5	5.4	18.9	1.2	0.1 J	0.8	5.8	5.3	1.1
Pyrene	7.7	0.6	2	0.3	4.6	15.9	1.2	0.1 J	0.5	5.4	3.7	0.9
C1-Fluoranthenes/Pyrenes	7.6	0.9	0 U	0.5	3.1	9.5	1.1	0 U	0.7	0 U	0 U	0.8
C2-Fluoranthenes/Pyrenes	25.4	0 U	0 U	0 U	2.1	36.5	0.8	0 U	0.5	0 U	0 U	0.7
C3-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	1.9	8.7	0 U	0 U	0 U	0 U	0 U	0 U
Naphthobenzothiophene	0 U	0 U	0 U	0 U	2	2.1	0 U	0 U	0 U	0 U	0 U	0 U
C1-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	1	12.1	0 U	0 U	0 U	0 U	0 U	0 U
C2-Naphthobenzothiophenes	5.6	0 U	0 U	0 U	1.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Naphthobenzothiophenes	4.6	0 U	0 U	0 U	0.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benz(a)anthracene	7.3	0.6	34.4	0.2	2.9	7.5	0.7	0 U	0.4	28.1	1.2	0.7
Chrysene	7	0.8	10.1	0.2	3.1	9.4	1.1	0 U	0.3	10	8.4	0.8
C1-Chrysenes	5.4	0 U	0 U	0 U	2.3	10.8	1.3	0 U	0 U	0 U	0 U	0.8
C2-Chrysenes	5.3	0 U	0 U	0 U	1.7	7.3	0 U	0 U	0 U	0 U	0 U	0 U
C3-Chrysenes	3	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(b)fluoranthene	9.7	2.7	3.2	1	5.9	24	2.7	0 U	2	3.3	3	1.8
Benzo(k)fluoranthene	3.7	0.8	0.9	0.2 J	1.5	7.8	0.7	0 U	0.4	1.2	0.8	0.5
Benzo(e)pyrene	5.1	0.9	1.9	0.3 J	2.9	11.1	0.9	0 U	0.6	2.5	2.2	1
Benzo(a)pyrene	5.4	1.1	1.6	0.4	3.9	11.1	1.1	0 U	0.8	2.6	1.4	1.1
Perylene	6	0.6 J	4.5	0.3 J	1.1 J	11.5	0.5 J	0 U	0.4 J	11.4	2.8	0.3 J
Indeno(1,2,3-c,d)pyrene	4.2	1.3	2.2	0.4	3	9.4	1	0 U	0.9	1.9	2.8	1.1
Dibenzo(a,h)anthracene	0.6	0.5	16.9	0.3	1.4	19.7	1.4	0 U	0.7	19.7	29.3	0.2
C1-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(g,h,i)perylene	3.4	1.2	1.1	0.3	2.8	7.3	0.8	0 U	0.7	2.2	1.3	1.1
Total PAHs	143.4	17.5	94.6	8.2	66.4	287.7	30.3	1	17.3	148.7	155	16.3
Individual Isomers*												
2-Methylnaphthalene	0.3	0.2 J	0.5	0 U	0.3	0.7	0.6	0.1 J	0.2 J	1	2.9	0.2 J
1-Methylnaphthalene	0.2	0.2	0.3	0 U	0.2	0.7	0.6	0 U	0.2	0.6	1.2	0.1 J
2,6-Dimethylnaphthalene	1.1	0.2 J	1.3	0 U	0.4	3.6	0.5	0 U	0.3	4.5	2.7	0 U
1,6,7-Trimethylnaphthalene	0.1	0 U	0.1	0 U	0 U	0.3	0.1	0 U	0 U	0.2	0.4	0 U
1-Methylphenanthrene	0.5	0.1 J	0 U	0.2 J	0.3	1.9	0.3	0 U	0.1 J	1.1	3.2	0.1 J
C29-Hopane	0 U	0 U	0 U	0 U	11.7	0 U	0 U	0 U	0 U	0 U	0 U	14
18a-Oleanane	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2.6
C30-Hopane	17.9	0 U	42	0 U	12.2	228	43.9	0 U	0 U	823	347	17.4

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix D. Total polycyclic aromatic hydrocarbons (PAHs) in sediments (ng/ dry g) (continued).

Compound	16P	17N2P	17P	18P	19N2P	21P	22N2P	22P	23P	26P	27N2A	27P
Decalin	0 U	4.6	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Naphthalene	0.2	0.6	0.2	0.3	0.2	0.6	0.2	0.5	0.9	2.1	0.6	2.4
C1-Naphthalenes	0.2 J	0.6	0.2 J	0.3 J	0.1 J	0.8	0.1 J	0.5	0.8	0.7	0.5	1.2
C2-Naphthalenes	0.6	0.9	0.9	1.4	0 U	3	0 U	2.6	3.4	0.8	1.1	2.6
C3-Naphthalenes	0.8	0.8	0.7	0.9	0 U	2.1	0 U	2.4	2.4	0 U	4.7	1.8
C4-Naphthalenes	0 U	0 U	0 U	0 U	0 U	2.4	0 U	0 U	2.5	0 U	5.6	0 U
Benzothiophene	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Biphenyl	0.3	1.4	0.3	0.4	0.2	0.6	0.1 J	0.7	0.5	0.7	0.2	1
Acenaphthylene	0.1 J	0.5	0.1 J	0.1 J	0 U	0.2	0 U	0.2	0.2	0.1 J	0.4	0.4
Acenaphthene	0 U	0.2	0.7	1	0 U	3	0 U	1.9	2.8	0.1 J	0.3	1.8
Dibenzofuran	0.2 J	0.3	0.2 J	0.3	0.2 J	0.5	0.1 J	0.8	0.6	0.5	0.5	0.6
Fluorene	0.6	0.8	1	1.2	0 U	3.7	0 U	3.7	4.6	0.5	0.6	1.4
C1-Fluorenes	0 U	0.6	0 U	0 U	0 U	2.3	0 U	0 U	0 U	0 U	1.7	1.7
C2-Fluorenes	0 U	0 U	0 U	0 U	0 U	3.2	0 U	0 U	0 U	0 U	5.9	4.6
C3-Fluorenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5.9	0 U
Anthracene	0 U	0.5	0.1 J	0.1 J	0 U	0.2	0 U	0.1 J	0.2	0.3	1.3	0.9
Phenanthrene	0.5	1.5	0.7	0.7	0.2	2.8	0.2	2.1	3	1.2	5.7	5
C1-Phenanthrene/Anthracenes	0.3	1.4	0.4	0.4	0 U	1.7	0 U	1	1.8	0.6	13.2	1.9
C2-Phenanthrene/Anthracenes	0 U	2.6	1.9	1.4	0 U	7.6	0 U	2.3	8.5	0.7	21.8	2.8
C3-Phenanthrene/Anthracenes	0 U	2.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	16.3	0 U
C4-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5.5	0 U
Dibenzothiophene	0 U	0.2	0 U	0 U	0 U	0.3	0 U	0.2	0.3	0.1 J	0.7	0.4
C1-Dibenzothiophenes	0 U	0.4	0 U	0 U	0 U	0.6	0 U	0.3 J	0.6	0 U	3.4	0 U
C2-Dibenzothiophenes	0 U	0.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	8.6	0 U
C3-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	6.5	0 U
Fluoranthene	0.2 J	3.2	0.3	0.3	0.1 J	1.4	0.1 J	1.4	1.4	0.9	11.8	2.9
Pyrene	0.1 J	3.3	0.2	0.2	0 U	0.8	0 U	0.9	0.9	0.8	14.4	4.5
C1-Fluoranthenes/Pyrenes	0 U	3	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	14.2	2.7
C2-Fluoranthenes/Pyrenes	0 U	3.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	9.5	1.2
C3-Fluoranthenes/Pyrenes	0 U	2.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5.5	0.3 J
Naphthobenzothiophene	0 U	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	3.7	0 U
C1-Naphthobenzothiophenes	0 U	4.3	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5	0 U
C2-Naphthobenzothiophenes	0 U	3.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	10	0 U
C3-Naphthobenzothiophenes	0 U	2.1	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5.6	0 U
Benz(a)anthracene	0 U	2.1	0 U	0.1 J	0 U	1.9	0 U	0.6	0.8	0.7	10	1.4
Chrysene	0 U	2.1	0 U	0.1 J	0 U	0.7	0 U	0.9	1.2	0.5	13.1	1.8
C1-Chrysenes	0 U	2.1	0 U	0 U	0 U	0 U	0 U	0 U	1.3	0 U	12.4	2.2
C2-Chrysenes	0 U	2.9	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	6.8	0 U
C3-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2.9	0 U
C4-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(b)fluoranthene	0 U	4.7	0 U	0 U	0 U	0.8	0 U	0.6	0.8	0.6	11.8	2
Benzo(k)fluoranthene	0 U	1.5	0 U	0 U	0 U	0.2 J	0 U	0.2 J	0.2 J	0.2 J	4.3	0.5
Benzo(e)pyrene	0 U	2.4	0 U	0 U	0 U	0.5	0 U	0.5	0.6	0.4	6.8	1.8
Benzo(a)pyrene	0 U	2.5	0 U	0 U	0 U	0.5	0 U	0.3	0.5	0.4	9.1	1.7
Perylene	0 U	1.1 J	0 U	0 U	0 U	4.7	0 U	1 J	5	0.1 J	2.7	0.3 J
Indeno(1,2,3-c,d)pyrene	0 U	2.7	0 U	0 U	0 U	1.3	0 U	1	1.2	0.7	5.4	1.8
Dibenzo(a,h)anthracene	0 U	2.1	0 U	0 U	0 U	19.9	0 U	15.1	19.7	4.1	2.1	2.7
C1-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(g,h,i)perylene	0 U	3.4	0 U	0 U	0 U	0.4	0 U	0.3	0.4	0.8	5.5	2.1
Total PAHs	4.1	77.7	7.9	9.2	1	68.7	0.8	42.1	67.1	18.6	283.9	60.4
Individual Isomers*												
2-Methylnaphthalene	0.2 J	0.6	0.3	0.3	0.1 J	0.8	0.1 J	0.6	0.9	0.8	0.4	1.4
1-Methylnaphthalene	0.1 J	0.3	0.1 J	0.1 J	0.1 J	0.4	0 U	0.3	0.4	0.4	0.3	0.6
2,6-Dimethylnaphthalene	0.2 J	0.5	0.4	0.8	0 U	2.7	0 U	2.6	3.3	0.4	0.4	1
1,6,7-Trimethylnaphthalene	0.1	0.1	0.1	0.2	0 U	0.2	0 U	0.3	0.5	0.1	0.6	0.3
1-Methylphenanthrene	0.1 J	0.4	0.1 J	0.1 J	0 U	0.5	0 U	0.2 J	0.6	0.1 J	3.6	0.6
C29-Hopane	0 U	66.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	42	0 U
18a-Oleanane	0 U	9.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	8.7	0 U
C30-Hopane	175	77.7	252	297	0 U	181	1.7	103	199	37.2	59.1	51.7

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix D. Total polycyclic aromatic hydrocarbons (PAHs) in sediments (ng/ dry g) (continued).

Compound	28N2A	28P	31N3P	31P	32N3P	32P	33N3P	36P	37N3P	37P	38N3P	38P
Decalin	0 U	4.9	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Decalins	0 U	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Naphthalene	0.2	8.4	1.1	0.7	1.3	0.6	0.2	0.5	0.2	0.4	0.3	0.7
C1-Naphthalenes	0.2 J	3	0.7	0.5	0.6	0.3 J	0.2 J	0.4	0.1 J	0.4	0.1 J	1
C2-Naphthalenes	0.4	2.9	1.3	1.2	2.7	0.5	0.5	1.4	0 U	0.9	0 U	1.9
C3-Naphthalenes	0 U	2.1	1.4	1.1	1.9	0 U	0.5	1.4	0 U	1.1	0 U	1.8
C4-Naphthalenes	0 U	0 U	1.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2
Benzothiophene	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Biphenyl	0.1 J	3	0.6	0.4	0.5	0.3	0.3	0.3	0.1 J	0.2	0.1 J	0.5
Acenaphthylene	0 U	1.3	0.1 J	0.1 J	0.1 J	0.1 J	0 U	0.2	0 U	0.1 J	0 U	0.2
Acenaphthene	0.1 J	1.2	0 U	0.8	0.5	0.3	0.2	1.6	0.2	0.6	0 U	0.8
Dibenzofuran	0.2 J	2.5	0.7	0.3	0.6	0.3	0.3	0.3	0.1 J	0.3	0.1 J	0.7
Fluorene	0.1 J	2.1	2.1	1.3	1.3	0.5	0.3	2.2	0.1 J	1.3	0 U	1.7
C1-Fluorenes	0.3 J	2	0 U	0 U	1.4	0 U	0 U	0 U	0 U	0 U	0 U	1.3
C2-Fluorenes	0.5	4.1	0 U	0 U	5.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Fluorenes	0 U	2.1	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Anthracene	0 U	1.5	0.1 J	0.6	0.1 J	0.4	0.1 J	0.3	0.1 J	0.2	0.1 J	0.3
Phenanthrene	0.4	6.3	1.7	2.1	1.8	1.1	1.4	1.3	0.7	1.5	0.2	3.1
C1-Phenanthrene/Anthracenes	0 U	2.1	0.8	0.9	0 U	0.5	1.1	0.8	0.3	0.8	0 U	1.6
C2-Phenanthrene/Anthracenes	0 U	2.6	0 U	0 U	0 U	0 U	0.9	0 U	0.5	0 U	0 U	0 U
C3-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Dibenzothiophene	0 U	0.3	0.1 J	0.2	0.2	0.1 J	0.1 J	0.1 J	0.1 J	0.1 J	0 U	0.3
C1-Dibenzothiophenes	0 U	0.9	0 U	0 U	0 U	0 U	0 U	0.2 J	0 U	0 U	0 U	0.4
C2-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Fluoranthene	0.2 J	4.8	1.2	2.9	0.4	1.4	2.3	1.9	0.5	1.6	0.1 J	2.2
Pyrene	0.1 J	4.2	0.6	1.9	0.2	1.2	1.7	1.2	0.4	1	0 U	1.5
C1-Fluoranthenes/Pyrenes	0 U	1.8	0.5	0.8	0 U	0.6	1.1	0 U	0 U	0.5	0 U	0.7
C2-Fluoranthenes/Pyrenes	0 U	1.1	1.5	0 U	0 U	0 U	1.3	0 U	0 U	0.9	0 U	0.9
C3-Fluoranthenes/Pyrenes	0 U	0.4	0.5	0 U	0 U	0 U	1.4	0 U	0 U	0 U	0 U	0 U
Naphthobenzothiophene	0 U	0.5	0 U	0 U	0 U	0 U	0.6	0 U	0 U	0 U	0 U	0 U
C1-Naphthobenzothiophenes	0 U	0.4 J	0 U	0 U	0 U	0 U	0.4 J	0 U	0 U	0 U	0 U	0 U
C2-Naphthobenzothiophenes	0 U	0.9	0 U	0 U	0 U	0 U	0.6	0 U	0 U	0 U	0 U	0 U
C3-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	1	0 U	0 U	0 U	0 U	0 U
Benz(a)anthracene	0.1 J	1.3	0.3	0.6	0.2	0.3	1.2	0.5	0.1 J	0.5	0 U	0.6
Chrysene	0.1 J	1.9	0.7	0.9	0.3	0.5	1.4	0.8	0.3	0.6	0 U	0.8
C1-Chrysenes	0 U	1.1	0 U	0 U	0 U	0 U	1.2	0 U	0 U	0 U	0 U	0 U
C2-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	1.6	0 U	0 U	0 U	0 U	0 U
C3-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	1.9	0 U	0 U	0 U	0 U	0 U
C4-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(b)fluoranthene	0.1 J	1.8	0.9	1.3	0.4	0.8	1.7	1.1	0.4	1.1	0 U	1.3
Benzo(k)fluoranthene	0.1 J	0.6	0.2 J	0.3	0.1 J	0.1 J	0.6	0.3	0.1 J	0.3	0 U	0.4
Benzo(e)pyrene	0.1 J	1.4	0.5	0.8	14.1	0.5	1	0.6	0.2 J	0.7	0 U	0.9
Benzo(a)pyrene	0.1 J	1	0.2 J	0.5	0.3	0.5	1.3	0.6	0.3	0.6	0 U	0.7
Perylene	0.2 J	0.7 J	0.4 J	0 U	4.3	0.1 J	0.5 J	0.6 J	0.1 J	0.4 J	0 U	0.5 J
Indeno(1,2,3-c,d)pyrene	0 U	1.7	0.5	0.9	0.8	0.7	0.9	1	0.2 J	1	0 U	1.2
Dibenzo(a,h)anthracene	0 U	0 U	6	0 U	20.8	0 U	0.4	0 U	0 U	0 U	0 U	0 U
C1-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(g,h,i)perylene	0 U	1.5	0.5	0.5	0.3	0.7	1.1	0.6	0.2	0.8	0 U	1
Total PAHs	3.6	81.9	27.3	21.6	61.1	12.4	31.5	20.2	5.3	17.9	1	31
Individual Isomers*												
2-Methylnaphthalene	0.2 J	3	0.7	0.4	0.6	0.3	0.2 J	0.4	0.1 J	0.4	0.1 J	1
1-Methylnaphthalene	0.1 J	1.6	0.5	0.2	0.4	0.1 J	0.1 J	0.2	0.1 J	0.2	0 U	0.5
2,6-Dimethylnaphthalene	0.2 J	1.1	0.7	0.5	0.4	0.3	0.3	0.8	0 U	0.5	0 U	1
1,6,7-Trimethylnaphthalene	0 U	0.2	0.2	0.1	0.1	0 U	0.1	0.1	0 U	0.2	0 U	0.2
1-Methylphenanthrene	0 U	0.7	0.2 J	0.3	0 U	0.2 J	0.2 J	0.2 J	0.1 J	0.2 J	0 U	0.3
C29-Hopane	3.7	0 U	0 U	0 U	0 U	4	2.6	0 U	0 U	0 U	0 U	0 U
18a-Oleanane	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C30-Hopane	3.7	144	0 U	138	22.9	74.2	3.5	229	1 J	187	0 U	186

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix D. Total polycyclic aromatic hydrocarbons (PAHs) in sediments (ng/ dry g) (continued).

Compound	39N3P	40N3P	41P	42P	43P	45N3A	46P	47P	51N4P	52N4P	52N4PX	54N4P
Decalin	0 U	0 U	7	0 U	6	0 U	6.4	3.1	0 U	0 U	0 U	0 U
C1-Decalins	0 U	0 U	4.3	0 U	5.2	0 U	3.6	2.6	0 U	0 U	0 U	0 U
C2-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Naphthalene	0.3	0.2	1.4	1	1.1	1.8	1.3	0.6	0.2	0.3	0.7	0.4
C1-Naphthalenes	0.1 J	0.1 J	1.3	1.3	0.8	1.4	0.9	0.9	0.1 J	0.1 J	0.3 J	0.2 J
C2-Naphthalenes	0 U	0 U	3	3	2.1	2.7	2.5	2.1	0.5	0 U	0.5	0.5
C3-Naphthalenes	0 U	0 U	2.7	2.8	1.8	3.3	2.3	2.4	0.7	0 U	0 U	0 U
C4-Naphthalenes	0 U	0 U	3.2	3.7	0 U	3.5	2.6	2.9	0 U	0 U	0 U	0 U
Benzothiophene	0 U	0 U	0.2	0.2	0 U	0.1 J	0 U	0 U	0 U	0 U	0 U	0 U
C1-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Biphenyl	0.5	0.1 J	0.7	0.4	0.3	1.1	0.4	0.4	0.1 J	0.1 J	0.3	0.2
Acenaphthylene	0 U	0 U	0.3	0.5	0.5	0.2	0.7	0.3	0 U	0 U	0.1 J	0 U
Acenaphthene	0.1 J	0.1 J	4.6	3.7	3.3	1	1	2	0 U	0.1 J	0.2	0 U
Dibenzofuran	0.2 J	0.1 J	0.9	0.7	0.5	2.1	0.5	0.6	0.1 J	0.1 J	0.3	0.2 J
Fluorene	0.1 J	0.1 J	7.6	5.8	4.7	2.7	4.1	2.7	0.1 J	0.4	0.3	0.1 J
C1-Fluorenes	0 U	0.3 J	0 U	0 U	0 U	0 U	2.6	2.3	0.3 J	0 U	0.5	0 U
C2-Fluorenes	0 U	0.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Fluorenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Anthracene	0 U	0 U	1.5	1.5	1.2	0.3	2.1	0.5	0 U	0.1 J	0.1 J	0.1 J
Phenanthrene	0.4	0.3	3.7	4.4	1.9	4.8	2.2	2.7	0.5	0.9	1.4	0.6
C1-Phenanthrene/Anthracenes	0 U	0.4	4.2	4.7	2.9	2.6	12.5	1.9	0.3	0.5	0.5	0.2 J
C2-Phenanthrene/Anthracenes	0 U	0.8	9.1	8.3	0 U	0 U	0 U	0 U	0.5	0.7	0 U	0 U
C3-Phenanthrene/Anthracenes	0 U	0.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Dibenzothiophene	0.1 J	0 U	0.9	0.7	0.3	0.4	0.5	0.3	0.1 J	0.1 J	0.2	0 U
C1-Dibenzothiophenes	0 U	0 U	1	0 U	0.4	0 U	0 U	0.6	0 U	0 U	0 U	0 U
C2-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Fluoranthene	0.2 J	0.1 J	1.9	2.8	2.9	1.4	4.1	2.1	0.1 J	0.7	0.7	0.4
Pyrene	0.1 J	0.1 J	1.7	2.7	3.2	0.8	3.3	1.5	0.1 J	0.6	0.7	0.4
C1-Fluoranthenes/Pyrenes	0 U	0.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.4	1.7	0.4
C2-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2.7	0 U
C3-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Naphthobenzothiophene	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benz(a)anthracene	0.1 J	0.1 J	1.2	2.2	3.4	1.4	1.6	1.1	0 U	0.2	0.2	0.2
Chrysene	0 U	0.1 J	2	1.6	1.5	0.7	6.1	1.3	0.1 J	0.4	0.4	0.2
C1-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(b)fluoranthene	0.2 J	0 U	1.6	1.8	2.6	1	4.9	2.1	0.1 J	0.5	0.6	0.4
Benzo(k)fluoranthene	0 U	0 U	0.4	0.5	0.9	0.2 J	1.8	0.8	0 U	0.1 J	0.1 J	0.1 J
Benzo(e)pyrene	0 U	0 U	0.8	1.4	1.7	0.5	3.5	1.5	0 U	0.3 J	0.2 J	0.2 J
Benzo(a)pyrene	0 U	0 U	0.9	1	1.4	0.2 J	2.2	1	0 U	0.3	0.1 J	0.2 J
Perylene	0 U	0 U	1.5	0 U	1.5	2.2	106	8.6	0 U	0.1 J	0.1 J	0.2 J
Indeno(1,2,3-c,d)pyrene	0 U	0 U	1.2	1.4	1.9	0.5	3.1	1.3	0 U	0.2 J	0.5	0.2 J
Dibenzo(a,h)anthracene	0 U	0 U	14.9	16.4	18.3	8.3	25.9	0 U	0 U	0.1 J	2.1	0 U
C1-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(g,h,i)perylene	0 U	0 U	0.9	0.7	1.1	0.9	1.6	0.6	0 U	0.2	0.6	0.2
Total PAHs	2.5	4.7	86.6	75.2	73.4	46.9	210.3	50.8	3.9	7.6	16.2	5.6
Individual Isomers*												
2-Methylnaphthalene	0.1 J	0.1 J	1.2	1.2	0.7	1.5	0.9	0.9	0.1 J	0.1 J	0.3	0.1 J
1-Methylnaphthalene	0.1 J	0.1 J	0.7	0.8	0.5	0.8	0.5	0.5	0.1 J	0.1 J	0.2	0.1 J
2,6-Dimethylnaphthalene	0 U	0 U	1.8	1.3	1	1.5	1.4	1.1	0.2 J	0 U	0.2 J	0.2 J
1,6,7-Trimethylnaphthalene	0 U	0 U	0.1	0.3	0.1	0.4	0.3	0.3	0.1	0 U	0 U	0 U
1-Methylphenanthrene	0 U	0.1 J	1	1.3	0.6	0.7	1.9	0.5	0.1 J	0.1 J	0.1 J	0.1 J
C29-Hopane	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0	0 U	0 U	0 U	0 U
18a-Oleanane	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0	0 U	0 U	0 U	0 U
C30-Hopane	0 U	0 U	488	806	898	0 U	152	222	3.7	15	43.9	3.8

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix D. Total polycyclic aromatic hydrocarbons (PAHs) in sediments (ng/ dry g) (continued).

Compound	57N4A	66N5A	67S1P	68S1P	69S1P	70S1P	71S1P	72S1P	73S1P	78S1A	87S2P	88S2P
Decalin	0 U	0 U	9.9	12.3	11.9	0 U	0 U	0 U	0 U	0 U	0 U	3.2
C1-Decalins	0 U	0 U	0 U	0 U	3.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Naphthalene	0.2	0.2	1.5	2.3	1.9	5.5	0.3	0.3	0.2	0.2	0.2	0.6
C1-Naphthalenes	0.2 J	0.1 J	0.8	1.2	1.1	1.4	0.1 J	0.2 J	0.1 J	0.1 J	0.2 J	0.5
C2-Naphthalenes	0 U	0.4	3.7	4.5	36.6	11	0 U	0.5	0 U	0 U	0.7	1.4
C3-Naphthalenes	0 U	1.3	1.9	4.2	3.3	3.3	0 U	0 U	0 U	0 U	0.4	1.1
C4-Naphthalenes	0 U	0 U	0 U	0 U	1.3	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzothiophene	0 U	0 U	0 U	0 U	0 U	0.2	0 U	0 U	0 U	0 U	0 U	0 U
C1-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Biphenyl	0 U	0.4	0.4	0.5	0.5	1.1	0.1 J	0.6	0.1 J	0.2	0.2	0.2
Acenaphthylene	0 U	0 U	0.6	3	1.2	0.7	0 U	0 U	0 U	0 U	0.1 J	0.1 J
Acenaphthene	0 U	0 U	4	1.9	0.8	0.7	0 U	0 U	0 U	0 U	0.1 J	0.4
Dibenzofuran	0 U	0.2 J	0.6	1	0.7	1.4	0.1 J	0.3	0.2 J	0.2 J	0.2 J	0.5
Fluorene	0.1 J	0.2	5.2	7.8	1.2	3.7	0.3	0.2	0.1 J	0.1 J	0.5	1.7
C1-Fluorenes	0 U	0.4	0 U	3.6	1.8	2.4	0 U	0 U	0 U	0 U	0 U	1.2
C2-Fluorenes	0 U	0 U	0 U	11.2	7	5.7	0 U	0 U	0 U	0 U	0 U	0 U
C3-Fluorenes	0 U	0 U	0 U	3.9	3	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Anthracene	0 U	0 U	1.6	4.3	4.2	4	0 U	0.4	0 U	0 U	0.2	0.2
Phenanthrene	0.2	0.3	2.6	4.4	4.6	4.8	0.3	0.4	0.3	0.5	1.4	1.3
C1-Phenanthrene/Anthracenes	0 U	0.6	3	4.1	7	12.3	0.2 J	0 U	0.2 J	0.3	1	1.1
C2-Phenanthrene/Anthracenes	0 U	1.5	6.8	5.3	7.1	12.6	0.5	0 U	0 U	0 U	0.9	2.4
C3-Phenanthrene/Anthracenes	0 U	1.5	0 U	0 U	0 U	3.8	0 U	0 U	0 U	0 U	0.6	0 U
C4-Phenanthrene/Anthracenes	0 U	1	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Dibenzothiophene	0 U	0 U	0.5	0.8	1.4	1.3	0 U	0 U	0 U	0 U	0.2	0.2
C1-Dibenzothiophenes	0 U	0 U	0.9	0.8	0 U	0 U	0 U	0 U	0 U	0 U	0.2 J	0.3 J
C2-Dibenzothiophenes	0 U	0 U	2.4	1.3	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzothiophenes	0 U	0 U	2.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Fluoranthene	0.1 J	0.1 J	2.6	24	9.8	8.6	0.2 J	0.1 J	0.1 J	0.2 J	1.9	0.8
Pyrene	0.1 J	0.2	3.2	16.3	10.2	8.9	0.3	0.1 J	0 U	0.2	1.6	0.6
C1-Fluoranthenes/Pyrenes	0 U	0.5	2	13.5	5.7	0 U	0 U	0 U	0 U	0 U	1.3	1.5
C2-Fluoranthenes/Pyrenes	0 U	0.7	7.8	36.1	50.4	0 U	0 U	0 U	0 U	0 U	0.9	3.8
C3-Fluoranthenes/Pyrenes	0 U	0 U	3.7	6.8	5.4	0 U	0 U	0 U	0 U	0 U	0 U	2.3
Naphthobenzothiophene	0 U	0 U	0 U	9.8	0 U	0 U	0 U	0 U	0 U	0 U	0.5	0 U
C1-Naphthobenzothiophenes	0 U	0 U	0 U	6.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benz(a)anthracene	0 U	0.1 J	1.1	11.9	3.7	3.1	0.2	0 U	0 U	0.1 J	1.3	0.6
Chrysene	0 U	0.2	2.7	8.8	6.8	5.1	0.1 J	0 U	0 U	0.2	0.9	0.6
C1-Chrysenes	0 U	0.6	2.6	9.3	10.6	3.6	0 U	0 U	0 U	0 U	1	1.2
C2-Chrysenes	0 U	0.6	0 U	0 U	0 U	6	0 U	0 U	0 U	0 U	0 U	1.9
C3-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(b)fluoranthene	0 U	0 U	3.3	20.9	10.4	5.7	0.3	0 U	0 U	0.2 J	1.3	1.3
Benzo(k)fluoranthene	0 U	0 U	1.2	7.9	3.3	0.8	0.1 J	0 U	0 U	0.1 J	0.5	0.2 J
Benzo(e)pyrene	0 U	0 U	3.1	10.4	5.1	2.7	0.1 J	0 U	0 U	0.1 J	0.7	0.8
Benzo(a)pyrene	0 U	0 U	2.3	9.9	6	2.3	0.2 J	0 U	0 U	0.2 J	1.1	0.6
Perylene	0 U	0 U	21.4	71.4	11.6	65.3	0.1 J	0 U	0 U	0 U	0.3 J	0.5 J
Indeno(1,2,3-c,d)pyrene	0 U	0 U	2.1	8	5.5	2.7	0.2 J	0 U	0 U	0.2 J	0.7	0.7
Dibenzo(a,h)anthracene	0 U	0 U	5.2	13.5	25.6	13.8	0.2	0 U	0 U	0 U	0.4	2.3
C1-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(g,h,i)perylene	0 U	0 U	2	5.7	5.5	3.9	0.2	0 U	0 U	0.2	0.6	1
Total PAHs	0.9	11.1	115.5	370.3	276.5	208.9	4.2	3.1	1.3	3.3	22.3	37.4
Individual Isomers*												
2-Methylnaphthalene	0.2 J	0.1 J	0.7	1.1	0.9	1.3	0.1 J	0.2 J	0.1 J	0.1 J	0.2 J	0.5
1-Methylnaphthalene	0.1 J	0.1 J	0.6	0.7	0.7	0.9	0 U	0.1 J	0.1 J	0.1 J	0.2	0.2
2,6-Dimethylnaphthalene	0 U	0.2 J	1.3	3.6	54.6	13.6	0 U	0.2 J	0.2 J	0 U	0.4	0.8
1,6,7-Trimethylnaphthalene	0 U	0.2	0.1	0.2	0.8	0.4	0 U	0 U	0.1	0 U	0.1	0.1
1-Methylphenanthrene	0 U	0.1 J	0.7	1.1	2.6	2.1	0.1 J	0 U	0 U	0 U	0.2 J	0.3
C29-Hopane	0 U	0 U	29.4	36.4	90.3	0 U	0 U	0 U	0 U	0 U	0 U	9.5
18a-Oleanane	0 U	0 U	0 U	18	26.9	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C30-Hopane	0 U	0 U	893	31.5	115	0 U	0 U	0 U	0 U	1.4	0 U	10.8

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix D. Total polycyclic aromatic hydrocarbons (PAHs) in sediments (ng/ dry g) (continued).

Compound	89S2P	91S2P	92S2P	96S2A	101S2P	104S3P	105S3P	106S3P	107S3P	109S3P	110S3P	115S3A
Decalin	0 U	0 U	0 U	0 U	0 U	0 U	8.1	4.2	0 U	3.3	0 U	0 U
C1-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Decalins	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Naphthalene	0.3	0.8	1.1	0.3	0.1 J	1.7	0.4	0.3	0.2	1	0.2	0.2
C1-Naphthalenes	0.2 J	0.6	0.9	0.2 J	0.1 J	1.2	0.2 J	0.2 J	0.1 J	0.7	0.1 J	0.1 J
C2-Naphthalenes	0.8	6	4	0 U	0 U	4.1	1.5	0 U	0 U	1.6	0 U	0.7
C3-Naphthalenes	0.6	1	2.7	0 U	0 U	2.9	0 U	0 U	0 U	1.2	0 U	0 U
C4-Naphthalenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzothiophene	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Biphenyl	0.2	0.4	0.3	0.3	0.1 J	0.8	0.1 J	0.2	0.1 J	0.2	0.1 J	0.1 J
Acenaphthylene	0.1 J	0.2	0.3	0.1 J	0 U	0.2	0 U	0 U	0 U	0.8	0 U	0 U
Acenaphthene	0.1 J	0.2	2.1	0.1 J	0 U	0.5	0.1 J	0.5	0 U	0.2	0 U	0.1 J
Dibenzofuran	0.2 J	0.4	0.5	0.3	0.1 J	1.5	0.2 J	0.2 J	0.1 J	0.4	0.2 J	0.1 J
Fluorene	1.6	4.2	8.5	0.8	0 U	11.1	0.6	0.5	0.2	2.3	0.3	0.2
C1-Fluorenes	0 U	2.8	2.9	0 U	0 U	5.3	0.4	0 U	0 U	1.1	0 U	0 U
C2-Fluorenes	0 U	5.2	0 U	0 U	0 U	4.3	2.1	0 U	0 U	0 U	0 U	0 U
C3-Fluorenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Anthracene	0.1 J	2.5	0.8	0.1 J	0 U	3.7	0 U	0 U	0 U	0.9	0 U	0 U
Phenanthrene	0.5	1.5	1.7	0.7	0.1 J	4.5	0.4	0.5	0.2	3.3	0.7	0.5
C1-Phenanthrene/Anthracenes	0.6	11.1	1.8	0.4	0 U	7.7	0.4	0.4	0 U	4.2	0.3	0.3
C2-Phenanthrene/Anthracenes	0 U	7.9	0 U	0.6	0 U	5.5	0 U	0.7	0 U	10.8	0.3	0 U
C3-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Dibenzothiophene	0.1 J	0.6	0.3	0.1 J	0 U	1.2	0 U	0.1 J	0 U	0.4	0.1 J	0.1 J
C1-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0.6	0 U	0 U	0 U	1.6	0 U	0 U
C2-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Fluoranthene	0.5	1.2	1.7	0.2 J	0 U	3.2	0.3	0.2 J	0.1 J	8.9	0.2 J	0.2 J
Pyrene	0.4	1.6	1.2	0.1 J	0 U	2.3	0.2	0.2	0.1 J	10.1	0.1 J	0.2
C1-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	9.4	0 U	0 U
C2-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	16.3	0 U	0 U
C3-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	5.3	0 U	0 U
Naphthobenzothiophene	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C1-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benz(a)anthracene	0.6	17.2	0.9	0 U	0 U	2.8	0.2	0 U	0.1 J	6.2	0 U	0 U
Chrysene	0.6	11.5	0.9	0.1 J	0 U	2.5	3.1	0 U	0.1 J	7.2	0 U	0.2
C1-Chrysenes	0.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	6.9	0 U	0 U
C2-Chrysenes	1	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	8.4	0 U	0 U
C3-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C4-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(b)fluoranthene	1.2	1.8	2	0.5	0 U	1.8	0.2 J	0.2 J	0.3	9.6	0.1 J	0.2 J
Benzo(k)fluoranthene	0.4	0.4	0.5	0.1 J	0 U	0.2 J	0.1 J	0.1 J	0.1 J	3.3	0 U	0 U
Benzo(e)pyrene	0.6	0.7	1.1	0.1 J	0 U	0.6	0.1 J	0.1 J	0.1 J	6.1	0 U	0.2 J
Benzo(a)pyrene	0.7	0.9	1.1	0.1 J	0 U	0.5	0.1 J	0 U	0.2 J	7	0 U	0.1 J
Perylene	0.6 J	7.1	2.2	0.2 J	0 U	3.7	0.3 J	0 U	0.2 J	2.1	0 U	0.3 J
Indeno(1,2,3-c,d)pyrene	1	1	1.2	0.1 J	0 U	1.1	0.1 J	0.1 J	0.3	4.9	0 U	0.1 J
Dibenzo(a,h)anthracene	2.9	24.8	9.8	0 U	0 U	11.2	3.4	0.3	0.3	5	0 U	0.4
C1-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(g,h,i)perylene	1	1	1.2	0.2	0 U	0.8	0.2	0 U	0.3	4.4	0 U	0.1 J
Total PAHs	17.8	114.9	52	6	0.5	88.1	27	9.3	3.1	155.4	2.8	4.5
Individual Isomers*												
2-Methylnaphthalene	0.2 J	0.5	0.9	0.2 J	0.1 J	1.3	0.2 J	0.2 J	0.1 J	0.6	0.1 J	0.1 J
1-Methylnaphthalene	0.2	0.5	0.4	0.1 J	0.1 J	0.7	0.1 J	0.2	0.1 J	0.4	0.1 J	0 U
2,6-Dimethylnaphthalene	0.6	8.9	3.3	0 U	0 U	1.9	1.9	0 U	0 U	0.9	0 U	0.4
1,6,7-Trimethylnaphthalene	0.1	0.3	0.2	0 U	0 U	0.4	0 U	0 U	0 U	0.1	0 U	0 U
1-Methylphenanthrene	0.1 J	1.6	0.4	0.1 J	0 U	2	0.1 J	0.2 J	0 U	1.1	0.1 J	0 U
C29-Hopane	7.1	0 U	24.2	0 U	0 U	0 U	7.1	0 U	0 U	15.4	0 U	0 U
18a-Oleanane	1.5	0 U	0 U	0 U	0 U	0 U	3	0 U	0 U	0 U	0 U	0 U
C30-Hopane	10.5	0 U	87.8	0 U	0 U	0 U	7.7	0 U	0 U	53	0 U	6.3

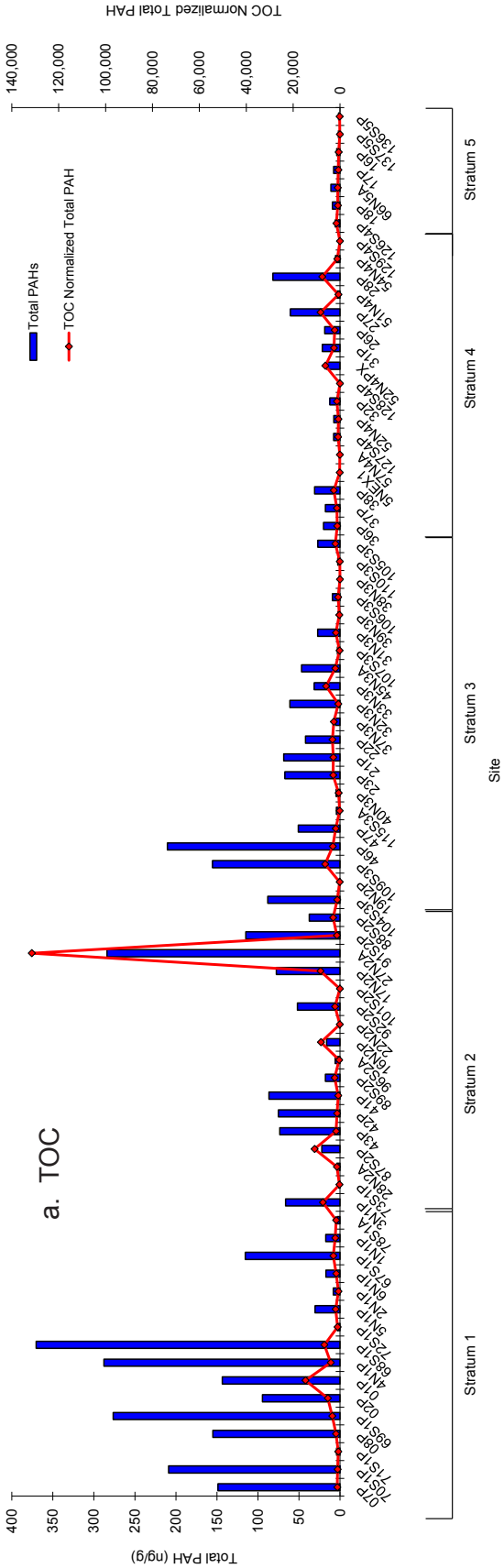
Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

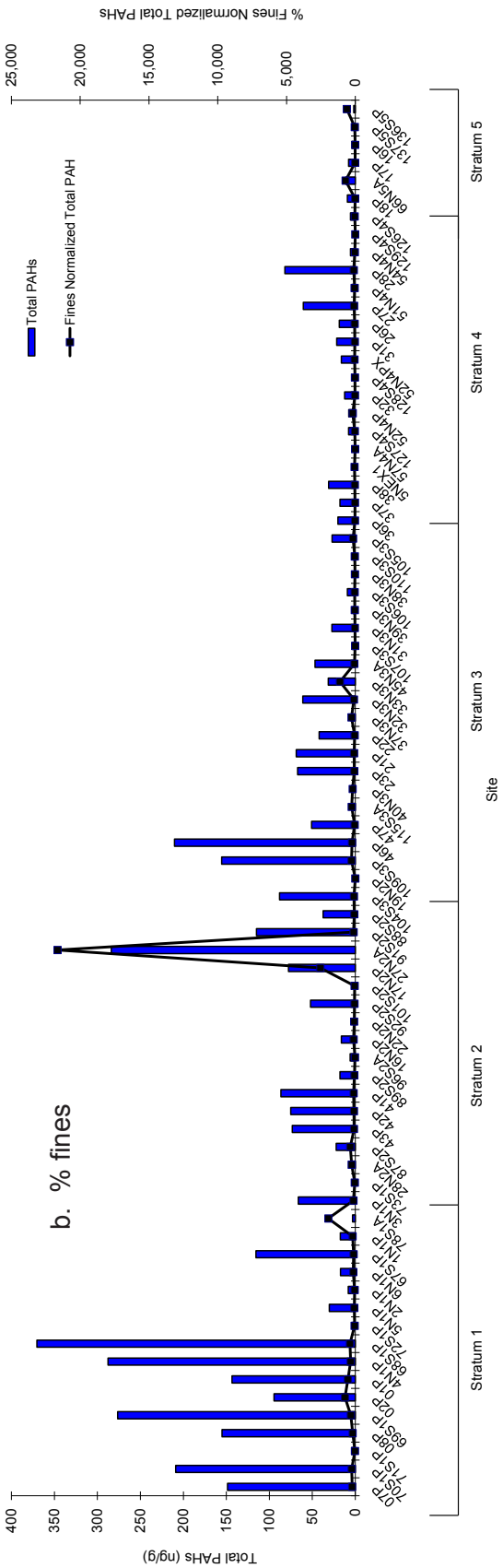
Appendix D. Total polycyclic aromatic hydrocarbons (PAHs) in sediments (ng/ dry g) (continued).

Compound	126S4P	127S4P	128S4P	129S4P	136S5P	137S5P
Decalin	0 U	0 U	0 U	0 U	0 U	0 U
C1-Decalins	0 U	0 U	0 U	0 U	0 U	0 U
C2-Decalins	0 U	0 U	0 U	0 U	0 U	0 U
C3-Decalins	0 U	0 U	0 U	0 U	0 U	0 U
C4-Decalins	0 U	0 U	0 U	0 U	0 U	0 U
Naphthalene	0.2	0.5	0.3	0.3	0.3	0.3
C1-Naphthalenes	0.2 J	0.2 J	0.1 J	0.1 J	0.1 J	0.1 J
C2-Naphthalenes	0 U	1.5	0 U	0 U	0 U	0 U
C3-Naphthalenes	0 U	0 U	0 U	0 U	0 U	0 U
C4-Naphthalenes	0 U	0 U	0 U	0 U	0 U	0 U
Benzothiophene	0 U	0 U	0 U	0 U	0 U	0 U
C1-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
C2-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
C3-Benzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
Biphenyl	0.2	0.2	0.2	0.1 J	0.2	0.2
Acenaphthylene	0 U	0.1 J	0 U	0 U	0 U	0 U
Acenaphthene	0.1 J	0.2	0 U	0 U	0 U	0 U
Dibenzofuran	0.2 J	0.2 J	0.2 J	0.1 J	0.2 J	0.2 J
Fluorene	0.3	0.8	0.1 J	0.1 J	0.2	0.3
C1-Fluorenes	0 U	0 U	0 U	0 U	0 U	0 U
C2-Fluorenes	0 U	0 U	0 U	0 U	0 U	0 U
C3-Fluorenes	0 U	0 U	0 U	0 U	0 U	0 U
Anthracene	0.1 J	0.1 J	0 U	0 U	0 U	0 U
Phenanthrene	0.8	0.6	0.2	0.2	0.4	0.4
C1-Phenanthrene/Anthracenes	0.7	0.5	0.2 J	0 U	0.3	0.3
C2-Phenanthrene/Anthracenes	0.7	0 U	0 U	0 U	0 U	0 U
C3-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U
C4-Phenanthrene/Anthracenes	0 U	0 U	0 U	0 U	0 U	0 U
Dibenzothiophene	0.1 J	0 U	0 U	0 U	0 U	0 U
C1-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
Fluoranthene	0.5	0.3	0 U	0 U	0.1 J	0.1 J
Pyrene	0.3	0.2	0 U	0 U	0 U	0.1 J
C1-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U
C2-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U
C3-Fluoranthenes/Pyrenes	0 U	0 U	0 U	0 U	0 U	0 U
Naphthobenzothiophene	0 U	0 U	0 U	0 U	0 U	0 U
C1-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
C2-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
C3-Naphthobenzothiophenes	0 U	0 U	0 U	0 U	0 U	0 U
Benz(a)anthracene	0.2	0.1 J	0 U	0 U	0 U	0 U
Chrysene	0.2	0.2	0 U	0 U	0 U	0 U
C1-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U
C2-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U
C3-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U
C4-Chrysenes	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(b)fluoranthene	0.2 J	0.3	0 U	0 U	0 U	0 U
Benzo(k)fluoranthene	0.1 J	0.1 J	0 U	0 U	0 U	0 U
Benzo(e)pyrene	0.1 J	0.1 J	0 U	0 U	0 U	0 U
Benzo(a)pyrene	0.1 J	0.2 J	0 U	0 U	0 U	0 U
Perylene	0.2 J	0.2 J	0 U	0 U	0 U	0 U
Indeno(1,2,3-c,d)pyrene	0.1 J	0.3	0 U	0 U	0 U	0 U
Dibenzo(a,h)anthracene	0 U	0.3	0 U	0 U	0 U	0 U
C1-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U
C2-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U
C3-Dibenzo(a,h)anthracenes	0 U	0 U	0 U	0 U	0 U	0 U
Benzo(g,h,i)perylene	0.1 J	0.4	0 U	0 U	0 U	0 U
Total PAHs	5.7	7.9	1.3	0.9	1.8	2
Individual Isomers*						
2-Methylnaphthalene	0.2 J	0.2 J	0.1 J	0.1 J	0.1 J	0.2 J
1-Methylnaphthalene	0.1 J	0.1 J	0.1 J	0.1 J	0.1 J	0.1 J
2,6-Dimethylnaphthalene	0.5	1.8	0 U	0 U	0 U	0 U
1,6,7-Trimethylnaphthalene	0.1	0.1	0 U	0 U	0 U	0 U
1-Methylphenanthrene	0.1 J	0.1 J	0 U	0 U	0.1 J	0 U
C29-Hopane	0 U	0 U	0 U	0 U	0 U	0 U
18a-Oleanane	0 U	0 U	0 U	0 U	0 U	0 U
C30-Hopane	0 U	68.2	0 U	0 U	0 U	0 U

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix E. Total polycyclic aromatic hydrocarbons in sediments normalized to total organic carbon (TOC) and to percent fines (%fines).





Appendix F. Total polycyclic aromatic hydrocarbons in coral (*Porites astreoides*) tissues (ng/ dry g).

Compound	1N01	1N02	1N06	1S02	1S03	1S04	1S05	1S07	1S10	1NEX1	1SEX1	1SEX2
Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Naphthalene	1.3 J	1.1 J	1.1 J	1.1 J	1.0 J	1.0 J	1.0 J	0.9 J	0.9 J	0.9 J	0.9 J	0.8 J
C1-Naphthalenes	1.3 J	1.4 J	1.6 J	1.3 J	1.1 J	1.4 J	1.1 J	0.8 J	1.3 J	1.0 J	0.8 J	1.1 J
C2-Naphthalenes	2.6 J	3.3	2.7 J	2.9 J	2.2 J	3.5	1.6 J	1.9 J	3.3	2.2 J	1.5 J	3.1
C3-Naphthalenes	4.2	4.5	4.7	4.5	3.7	3.8	3.3	3.5	4.6	3.5	3.2	3.8
C4-Naphthalenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.7 J	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Biphenyl	1.0 J	0.8 J	1.1 J	1.2 J	1.0 J	0.8 J	0.9 J	0.7 J	1.0 J	0.8 J	0.5 J	1.0 J
Acenaphthylene	0.1 J	0.1 J	0.1 J	0.0 U	0.0 U	0.0 U	0.0 U	0.1 J	0.0 U	0.0 U	0.0 U	0.0 U
Acenaphthene	0.4 J	0.5 J	0.6 J	0.6 J	0.0 U	0.5 J	0.5 J	0.4 J	0.6 J	0.0 U	0.3 J	0.5 J
Dibenzofuran	0.8 J	1.8 J	0.7 J	0.7 J	1.0 J	0.9 J	1.2 J	2.1 J	1.0 J	0.6 J	1.0 J	0.7 J
Fluorene	0.5 J	0.7 J	0.7 J	0.6 J	0.7 J	0.6 J	0.6 J	0.4 J	0.7 J	0.4 J	0.5 J	0.5 J
C1-Fluorenes	1.1 J	1.3 J	1.1 J	1.0 J	1.2 J	0.0 U	1.0 J	0.7 J	1.4 J	0.6 J	1.0 J	0.0 U
C2-Fluorenes	1.9 J	0.0 U	0.0 U	0.0 U	2.0 J	0.0 U	0.0 U	1.5 J	0.0 U	1.6 J	1.3 J	0.0 U
C3-Fluorenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Anthracene	0.1 J	0.0 U	0.2 J	0.2 J	0.2 J	0.1 J	0.1 J	0.0 U	0.2 J	0.2 J	0.1 J	0.7 J
Phenanthrene	1.4 J	1.9 J	1.2 J	1.3 J	1.3 J	1.1 J	1 J	1.0 J	1.1 J	1.0 J	1.2 J	0.9 J
C1-Phenanthrenes/Anthracenes	1.4 J	1.1 J	0.9 J	0.9 J	1.2 J	0.7 J	0.7 J	0.8 J	0.8 J	0.8 J	0.8 J	1.7 J
C2-Phenanthrenes/Anthracenes	1.3 J	1.1 J	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.9 J	0.0 U	0.0 U	0.0 U	0.0 U
C3-Phenanthrenes/Anthracenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Phenanthrenes/Anthracenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Dibenzothiophene	0.3 J	0.0 U	0.2 J	0.3 J	0.0 U	0.0 U	0.0 U	0.2 J	0.0 U	0.0 U	0.2 J	0.2 J
C1-Dibenzothiophenes	0.9 J	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Dibenzothiophenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Dibenzothiophenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Fluoranthene	0.2 J	0.5 J	0.2 J	0.2 J	0.2 J	0.2 J	0.1 J	0.2 J	0.2 J	0.3 J	0.3 J	0.1 J
Pyrene	0.2 J	0.3 J	0.2 J	0.2 J	0.2 J	0.3 J	0.1 J	0.3 J	0.2 J	0.3 J	0.2 J	0.2 J
C1-Fluoranthenes/Pyrenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Fluoranthenes/Pyrenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Fluoranthenes/Pyrenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benz(a)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Chrysene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(b)fluoranthene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(k)fluoranthene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(e)pyrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(a)pyrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Perylene	0.2 J	0.4 J	0.0 U	0.2 J	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Indeno(1,2,3-c,d)pyrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(g,h,i)perylene	0.3 J	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Total PAHs	21.5	20.8	17.3	17.2	17.0	14.9	13.9	16.4	17.3	14.2	13.8	15.3
Individual Alkyl Isomers*												
2-Methylnaphthalene	1.2 J	1.2 J	1.4 J	1.0 J	1.0 J	1.3 J	1.0 J	0.8 J	1.1 J	1.0 J	0.8 J	1.0 J
1-Methylnaphthalene	0.8 J	1.0 J	1.0 J	0.9 J	0.7 J	0.7 J	0.6 J	0.4 J	0.8 J	0.5 J	0.4 J	0.6 J
2,6-Dimethylnaphthalene	0.9 J	1.1 J	1.1 J	1.1 J	0.8 J	1.0 J	0.7 J	0.7 J	1.1 J	0.8 J	0.7 J	1.1 J
1,6,7-Trimethylnaphthalene	0.3 J	0.4 J	0.3 J	0.4 J	0.4 J	0.3 J	0.3 J	0.3 J	0.7 J	0.3 J	0.4 J	0.3 J
1-Methylphenanthrene	0.2 J	0.3 J	0.2 J	0.1 J	0.4 J	0.2 J	0.1 J	0.1 J	0.2 J	0.2 J	0.2 J	0.2 J
C29-Hopane	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
18a-Oleanane	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C30-Hopane	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix F. Total polycyclic aromatic hydrocarbons in coral (*Porites astreoides*) tissues (ng/ dry g) (continued).

Compound	2S01	2S02	2S06	2NEX1	2SEX2	3N05	3N06	3S01	3S02	3S03	3S06	3S08
Decalin	0.0 U	Pending	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Decalin	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Decalin	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Decalin	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Decalin	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Naphthalene	0.9 J		1.3 J	1.2 J	1.1 J	1.0 J	1.0 J	1.0 J	1.4 J	1.0 J	1.2 J	0.9 J
C1-Naphthalenes	0.8 J		1.2 J	1.4 J	1.0 J	1.1 J	1.0 J	0.6 J	1.7 J	0.7 J	0.8 J	0.8 J
C2-Naphthalenes	2.1 J		2.8 J	3.0	2.6 J	2.2 J	3.2	2.2 J	3.8	1.7 J	2.2 J	2.5 J
C3-Naphthalenes	2.5 J		4.8	3.9	3.4	0.0 U	4.4	4.8	5.4	3.7	2.6 J	4.2
C4-Naphthalenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Benzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Benzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Benzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Biphenyl	0.7 J		1.4 J	1.0 J	0.8 J	1.5 J	1.4 J	1.6 J	1.7 J	1.1 J	1.1 J	1.5 J
Acenaphthylene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Acenaphthene	0.4 J		0.6 J	0.5 J	0.4 J	0.4 J	0.0 U	0.5 J	0.7 J	0.0 U	0.0 U	0.0 U
Dibenzofuran	1.7 J		1.0 J	0.8 J	0.6 J	0.6 J	1.3 J	1.1 J	1.0 J	0.8 J	0.8 J	1.0 J
Fluorene	0.5 J		0.5 J	0.6 J	0.5 J	0.4 J	0.6 J	0.5 J	0.7 J	0.6 J	0.5 J	0.5 J
C1-Fluorenes	1.0 J		1.3 J	1.1 J	1.1 J	1.0 J	0.0 U	1.6 J	1.4 J	0.0 U	0.0 U	0.0 U
C2-Fluorenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Fluorenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Anthracene	0.2 J		0.2 J	0.1 J	0.0 U	0.0 U	0.0 U	0.1 J	0.0 U	0.1 J	0.0 U	0.0 U
Phenanthrene	0.9 J		1.3 J	1.1 J	1.3 J	0.9 J	1.0 J	1.0 J	1.1 J	0.9 J	0.9 J	0.8 J
C1-Phenanthrenes/Anthracenes	0.7 J		1.1 J	0.9 J	1.0 J	0.8 J	0.0 U	0.9 J	0.0 U	0.7 J	0.6 J	0.0 U
C2-Phenanthrenes/Anthracenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Phenanthrenes/Anthracenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Phenanthrenes/Anthracenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Dibenzothiophene	0.0 U		0.0 U	0.2 J	0.0 U	0.0 U	0.0 U	0.3 J	0.0 U	0.0 U	0.0 U	0.0 U
C1-Dibenzothiophenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Dibenzothiophenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Dibenzothiophenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Fluoranthene	0.1 J		0.2 J	0.4 J	0.2 J	0.2 J	0.0 U	0.1 J	0.0 U	0.1 J	0.1 J	0.0 U
Pyrene	0.1 J		0.2 J	0.2 J	0.2 J	0.3 J	0.0 U	0.1 J	0.0 U	0.1 J	0.1 J	0.0 U
C1-Fluoranthenes/Pyrenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Fluoranthenes/Pyrenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Fluoranthenes/Pyrenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Naphthobenzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Naphthobenzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Naphthobenzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Naphthobenzothiophene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benz(a)anthracene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Chrysene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Chrysenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Chrysenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Chrysenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Chrysenes	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(b)fluoranthene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(k)fluoranthene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(e)pyrene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(a)pyrene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Perylene	0.0 U		0.0 U	0.0 U	0.3 J	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Indeno(1,2,3-c,d)pyrene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Dibenzo(a,h)anthracene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Dibenzo(a,h)anthracene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Dibenzo(a,h)anthracene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Dibenzo(a,h)anthracene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(g,h,i)perylene	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Total PAHs	12.6		17.9	16.4	14.5	10.4	13.9	16.4	18.9	11.5	10.9	12.2
Individual Alkyl Isomers*												
2-Methylnaphthalene	0.8 J		1.0 J	1.2 J	0.9 J	0.9 J	1.0 J	0.6 J	1.7 J	0.7 J	0.9 J	0.7 J
1-Methylnaphthalene	0.4 J		0.8 J	0.8 J	0.6 J	0.7 J	0.5 J	0.4 J	1.0 J	0.4 J	0.5 J	0.5 J
2,6-Dimethylnaphthalene	0.9 J		0.9 J	1.1 J	0.9 J	0.7 J	1.1 J	0.7 J	1.3 J	0.8 J	0.7 J	0.8 J
1,6,7-Trimethylnaphthalene	0.4 J		0.6 J	0.5 J	0.3 J	0.4 J	0.4 J	0.3 J	0.4 J	0.3 J	0.4 J	0.2 J
1-Methylphenanthrene	0.2 J		0.2 J	0.2 J	0.2 J	0.2 J	0.0 U	0.3 J	0.0 U	0.1 J	0.2 J	0.0 U
C29-Hopane	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
18a-Oleanane	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C30-Hopane	0.0 U		0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U

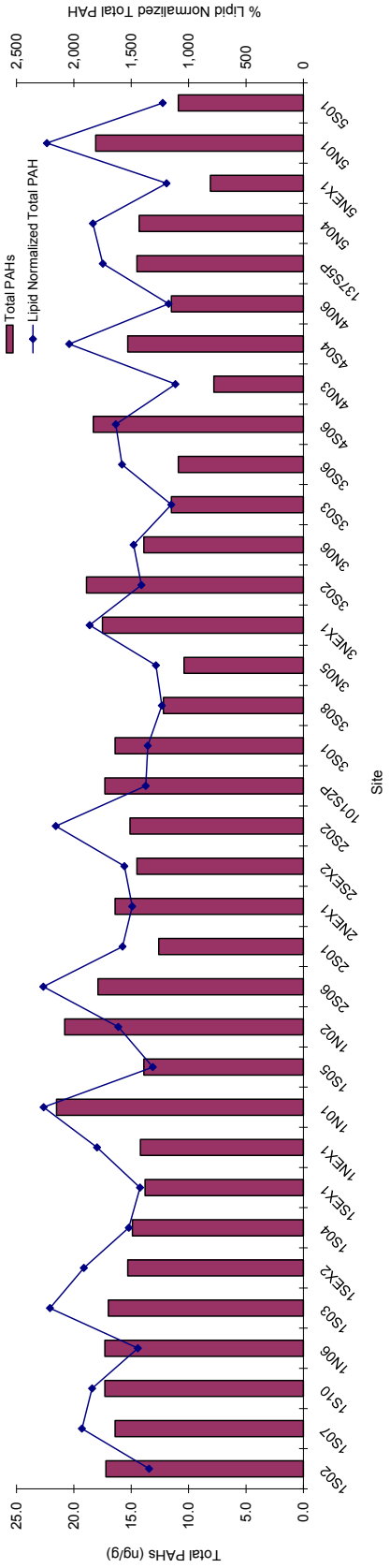
Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix F. Total polycyclic aromatic hydrocarbons in coral (*Porites astreoides*) tissues (ng/ dry g) (continued).

Compound	3NEX1	4N03	4N06	4S04	4S06	5N01	5N04	5S01	5NEX1	101S2P	137S5P
Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Decalin	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Naphthalene	1.6	0.9 J	0.9 J	1.1 J	1.1 J	1.3 J	1.3 J	0.9 J	1.0 J	1.2 J	1.0 J
C1-Naphthalenes	1.8 J	0.8 J	0.9 J	0.9 J	0.9 J	1.4 J	1.1 J	0.6 J	1.0 J	1.4 J	1.1 J
C2-Naphthalenes	3.1	2.2 J	2.4 J	2.9 J	3.2	3.6	2.8 J	1.7 J	2.8 J	4.0	2.9 J
C3-Naphthalenes	4.8	0.0 U	3.7	5.5	6.6	5.6	4.8	4.5	0.0 U	5.7	4.8
C4-Naphthalenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Benzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Biphenyl	2.1 J	1.3 J	1.2 J	1.6 J	2.1 J	2.1 J	1.3 J	1.3 J	1.0 J	1.6 J	1.4 J
Acenaphthylene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.2 J
Acenaphthene	0.6 J	0.4 J	0.3 J	0.3 J	0.6 J	0.4 J	0.0 U	0.0 U	0.0 U	0.5 J	0.4 J
Dibenzofuran	1.4 J	0.7 J	0.9 J	0.9 J	1.3 J	1.4 J	1.1 J	0.0 U	0.6 J	0.9 J	0.9 J
Fluorene	0.6 J	0.5 J	0.4 J	0.7 J	0.8 J	0.7 J	0.4 J	0.6 J	0.5 J	0.8 J	0.4 J
C1-Fluorenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Fluorenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Fluorenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Phenanthrene	1 J	1.0 J	0.8 J	1.2 J	1.7 J	1.3 J	1.2 J	1.3 J	0.9 J	1.1 J	1.1 J
C1-Phenanthrenes/Anthracenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Phenanthrenes/Anthracenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Phenanthrenes/Anthracenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Phenanthrenes/Anthracenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Dibenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.3 J	0.0 U	0.3 J	0.0 U	0.3 J
C1-Dibenzothiophenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Dibenzothiophenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Dibenzothiophenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Fluoranthene	0.5 J	0.0 U	0.0 U	0.2 J	0.0 U	0.1 J	0.0 U	0.0 U	0.0 U	0.1 J	0.0 U
Pyrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.2 J	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Fluoranthenes/Pyrenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Fluoranthenes/Pyrenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Fluoranthenes/Pyrenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Naphthobenzothiophene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benz(a)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Chrysene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C4-Chrysenes	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(b)fluoranthene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(k)fluoranthene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(e)pyrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(a)pyrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Perylene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Indeno(1,2,3-c,d)pyrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C1-Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C2-Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C3-Dibenzo(a,h)anthracene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Benzo(g,h,i)perylene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
Total PAHs	17.5	7.8	11.5	15.3	18.3	18.1	14.3	10.9	8.1	17.3	14.5
Individual Alkyl Isomers*											
2-Methylnaphthalene	1.9	0.7 J	0.8 J	0.9 J	0.9 J	1.5 J	1.1 J	0.6 J	0.9 J	1.2 J	1.1 J
1-Methylnaphthalene	1.0 J	0.5 J	0.5 J	0.5 J	0.4 J	0.8 J	0.6 J	0.3 J	0.6 J	0.9 J	0.6 J
2,6-Dimethylnaphthalene	1.4 J	0.7 J	0.8 J	1.1 J	0.9 J	1.2 J	1.1 J	0.7 J	1.0 J	1.2 J	0.8 J
1,6,7-Trimethylnaphthalene	0.4 J	0.0 U	0.3 J	0.3 J	0.5 J	0.3 J	0.4 J	0.4 J	0.0 U	0.5 J	0.4 J
1-Methylphenanthrene	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C29-Hopane	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
18a-Oleanane	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U
C30-Hopane	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U	0.0 U

Note: J, below method detection level, MDL; U, not detected
*Individual isomers contained in alkylated (C1-C4) sums

Appendix G. Total polycyclic aromatic hydrocarbons in coral (*Porites astreoides*) tissues normalized to percent lipid.



Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/ dry g).

Compound	01P	1N1P	02P	2N1P	3N1P	4N1P	5N1P	5NEX1
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.04 J	0.00 U	0.20	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.01 J	0.00 U	0.08 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.03 J	0.00 U	0.10	0.03 J	0.00 U	0.00 U	0.00 U
PCB52	0.07 J	0.00 U	0.05 J	0.00 U	0.02 J	0.02 J	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.06 J	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.04 J	0.01 J	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.00 U	0.00 U	0.00 U	0.16	0.00 U	0.02 J	0.06	0.00 U
PCB105	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U
PCB153/132	0.05	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.38	0.10	0.00 U	0.07 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	3.44	2.40	2.74	2.69	2.32	2.39	2.35	2.19

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	6N1P	07P	08P	16N2P	16P	17N2P	17P	18P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.08 J	0.37	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.19	0.17	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.09	0.00 U	0.06 J	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.18
PCB105	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.01 J	0.00 U	0.00 U	0.01 J	0.00 U	0.03 J	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.04 J	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.02 J	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.23	0.00 U	2.01	0.00 U	0.22
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.07	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.07	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.21	2.61	2.56	3.29	2.19	6.94	2.19	3.08

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	19N2P	21P	22N2P	22P	23P	26P	27N2A	27P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.06	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U
PCB52	0.00 U	0.10	0.00 U	0.00 U	0.00 U	0.02 J	0.08	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.22	0.00 U	0.00 U	0.00 U	0.20	0.00 U	0.08	0.00 U
PCB101/90	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.15	0.00 U
PCB105	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.08	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.11	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.12	0.09
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.10 J	0.19	0.04 J
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.08 J	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.23	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.10	0.29	0.00 U	0.20	0.22	0.19	0.00 U	0.37
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.09	0.00 U
PCB183	0.00 U	0.14	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.06	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.04	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.53	3.16	2.19	2.63	2.76	3.16	4.48	3.30

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	28N2A	28P	31N3P	31P	32N3P	32P	33N3P	36P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.49	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.11	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
PCB52	0.01 J	0.10	0.00 U	0.00 U	0.00 U	0.10	0.00 U	0.00 U
PCB56/60	0.00 U	0.06 J	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.09
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.11
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.06 J
PCB74/61	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.03 J	0.00 U	0.07 J
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
PCB99	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.05 J	0.00 U	0.12
PCB101/90	0.01 J	0.19	0.00 U	0.00 U	0.04 J	0.07	0.00 U	0.08
PCB105	0.00 U	0.02 J	0.00 U	0.01 J	0.00 U	0.05 J	0.00 U	0.25
PCB110/77	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J
PCB118	0.00 U	0.06	0.05 J	0.07	0.00 U	0.16	0.00 U	0.40
PCB128	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.01 J	0.00 U	0.18
PCB138/160	0.00 U	0.13	0.00 U	0.12 J	0.00 U	0.11 J	0.00 U	0.44
PCB146	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.04	0.00 U	0.01 J	0.00 U	0.06	0.00 U	0.21
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
PCB170/190	0.07 J	0.24	0.00 U	0.26	0.00 U	0.50	0.00 U	0.24
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.09	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.11	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.07 J	0.00 U	0.00 U
Total PCB	2.40	3.91	2.54	3.29	3.40	4.98	2.19	6.55

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	37N3P	37P	38N3P	38P	39N3P	40N3P	41P	42P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.09 J	0.18
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.03 J	0.03 J	0.00 U	0.06 J	0.00 U	0.00 U	0.00 U	0.06 J
PCB52	0.00 U	0.03 J	0.00 U	0.09	0.00 U	0.00 U	0.30	0.25
PCB56/60	0.00 U	0.19	0.00 U	0.22	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.10	0.00 U	0.16	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.03 J	0.00 U	0.19	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.08	0.00 U	0.14	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.08	0.00 U	0.14	0.00 U	0.00 U	0.14	0.00 U
PCB95	0.00 U	0.03 J	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.03 J	0.00 U	0.00 U	0.22	0.00 U	0.00 U	0.19	0.00 U
PCB101/90	0.00 U	0.11	0.00 U	0.33	0.00 U	0.00 U	0.00 U	0.21
PCB105	0.00 U	0.22	0.00 U	0.49	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.23	0.00 U	0.00 U	0.07	0.00 U
PCB118	0.00 U	0.41	0.00 U	0.80	0.00 U	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.09 J	0.00 U	0.15	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.01 J	0.45	0.00 U	0.64	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.06 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.09 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.20	0.00 U	0.33	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.05 J	0.00 U	0.07 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.16	0.00 U	0.31	0.22	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.02 J	0.00 U	0.05	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.18	0.24
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.11	0.15
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.21	6.27	2.19	9.82	2.68	2.19	3.15	3.20

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	43P	101S2P	46P	47P	51N4P	52N4P	52N4PX	54N4P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.24	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.06 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.00 U	0.34	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.40	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U
PCB101/90	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB105	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.27	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.72	2.19	2.93	2.95	2.19	2.19	2.23	2.19

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	57N4A	66N5A	67S1P	68S1P	69S1P	70S1P	71S1P	72S1P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.77	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.03 J	0.01 J	0.10	0.00 U	0.00 U
PCB52	0.00 U	0.00 U	0.00 U	0.00 U	0.04 J	0.04 J	0.00 U	0.01 J
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.59	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.09	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.15	0.00 U	0.00 U	0.15	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.13	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.01 J	0.00 U	0.21	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB105	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.06	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.06	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.14	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.06	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.21	2.22	2.66	2.19	2.27	4.30	2.19	2.21

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	73S1P	78S1A	87S2P	88S2P	89S2P	91S2P	92S2P	96S2A
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.16	0.13	0.00 U	0.00 U
PCB29	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.02 J	0.00 U	0.07 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.00 U	0.00 U	0.00 U	0.08	0.13	0.00 U	0.00 U	0.00 U
PCB105	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.04 J	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.60	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.19	2.24	2.19	3.77	2.82	2.58	2.19	2.19

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix H. Total polychlorinated biphenyls (PCBs) in sediments (ng/dry g) (continued).

Compound	101S2P	104S3P	105S3P	106S3P	107S3P	109S3P	110S3P	115S3A
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.25	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.00 U	0.00 U	0.07	0.08	0.00 U	0.00 U	0.00 U	0.00 U
PCB105	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	2.43	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.19	2.75	2.37	2.36	2.19	2.19	2.19	2.19

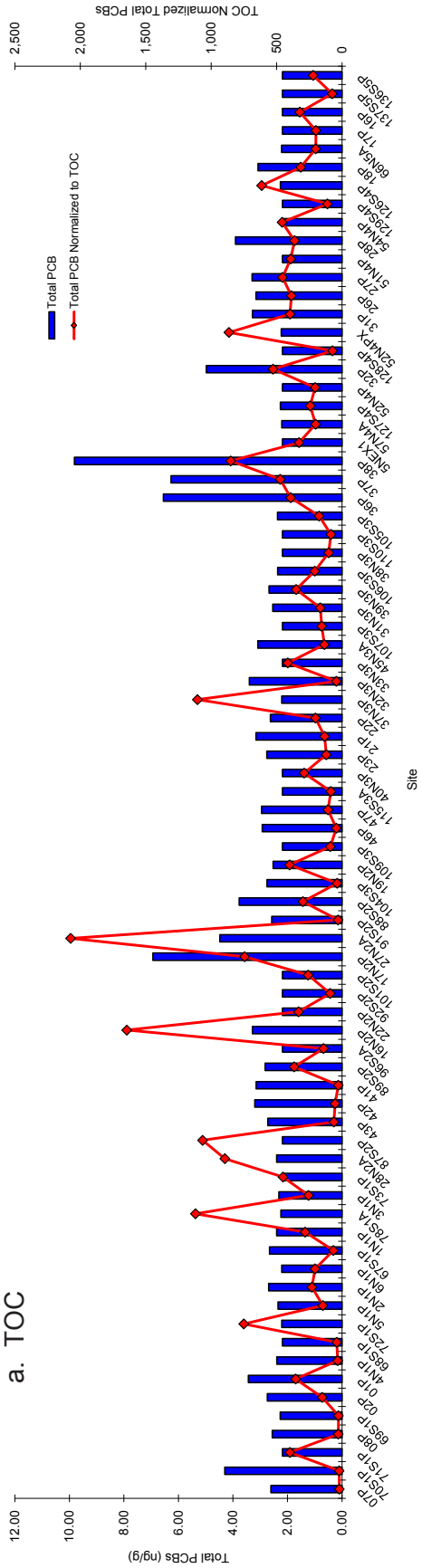
Qualifiers: J = Below the method detection level (MDL); U = not detected.

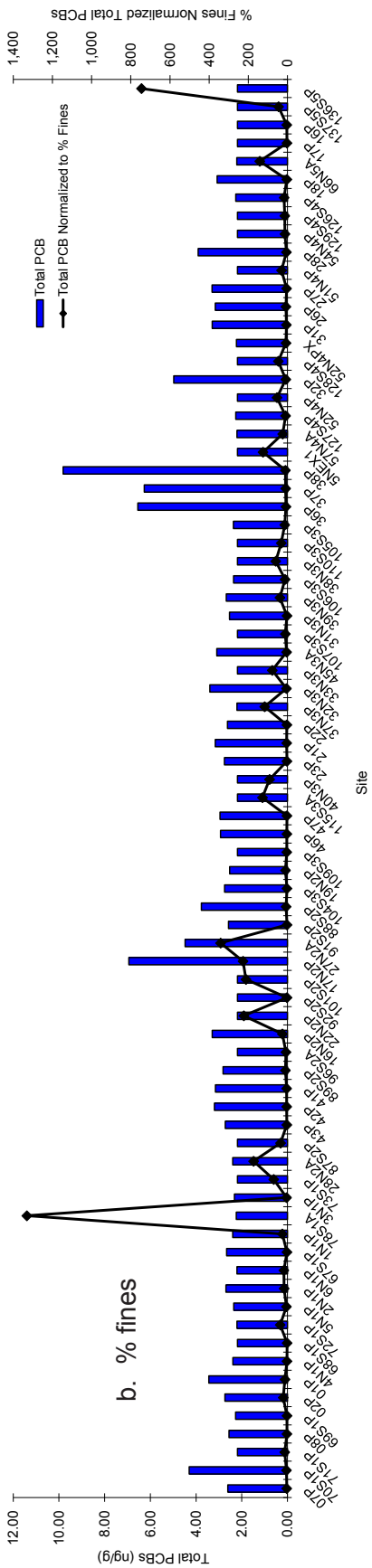
Appendix H. Total polychlorinated biphenyls (PCBs) sediments (ng/dry g) (continued).

Compound	126S4P	127S4P	128S4P	129S4P	136S5P	137S5P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB105	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.26	2.26	2.19	2.19	2.19	2.19

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix I. Total polychlorinated biphenyls in sediments normalized to total organic carbon (a) and to percent fines (b).





Appendix J. Total polychlorinated biphenyls (PCBs) in coral (*Porites astreoides*) tissues (ng/dry g).

Compound	1N01	1N02	1N06	1S02	1S03	1S04	1S05
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.07 J	0.19 J	0.00 U	0.00 U	0.00 U	1.60	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.09 J	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08 J	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.06 J	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.02 J
PCB105	0.01 J	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.07 J	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.45	0.10 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	3.47	2.84	2.19	2.38	2.19	5.76	2.24

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix J. Total polychlorinated biphenyls (PCBs) in coral (*Porites astreoides*) tissues (ng/dry g) (continued).

Compound	1S07	1S10	1NEX1	1SEX1	1SEX2	2S01	2S02
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.00 U	0.00 U	0.00 U	0.15 J	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.00 U	0.00 U	0.00 U	0.03 J	0.04 J	0.04 J	0.05 J
PCB105	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.17 J
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.19	2.19	2.19	2.24	2.59	2.27	2.69

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix J. Total polychlorinated biphenyls (PCBs) in coral (*Porites astreoides*) tissues (ng/dry g) (continued).

Compound	2S06	2NEX1	2SEX2	3N05	3N06	3S01	3S02
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.06 J	0.11 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.00 U	0.00 U	0.00 U	0.06 J	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.00 U	0.00 U	0.00 U	0.00 U	0.06 J	0.02 J	0.10 J
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.03 J	0.06 J	0.05 J	0.04 J	0.06 J	0.07 J	0.06 J
PCB105	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.17 J	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.02 J	0.05 J
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total PCB	2.38	2.57	2.69	2.27	2.68	2.45	2.63

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix J. Total polychlorinated biphenyls (PCBs) in coral (*Porites astreoides*) tissues (ng/ dry g) (continued).

Compound	3S03	3S06	3S08	3NEX1	4N03	4N06	4S04
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.07 J	0.05 J	0.00 U	0.07 J	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.03 J	0.04 J	0.10 J	0.20 J	0.05 J	0.07 J	0.11 J
PCB95	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.05 J	0.05 J	0.03 J	0.03 J	0.05 J	0.05 J	0.06 J
PCB105	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.03 J	0.04 J	0.03 J	0.00 U	0.00 U	0.06 J	0.02 J
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.06 J
Total PCB	2.42	2.65	2.66	2.92	2.56	2.57	2.75

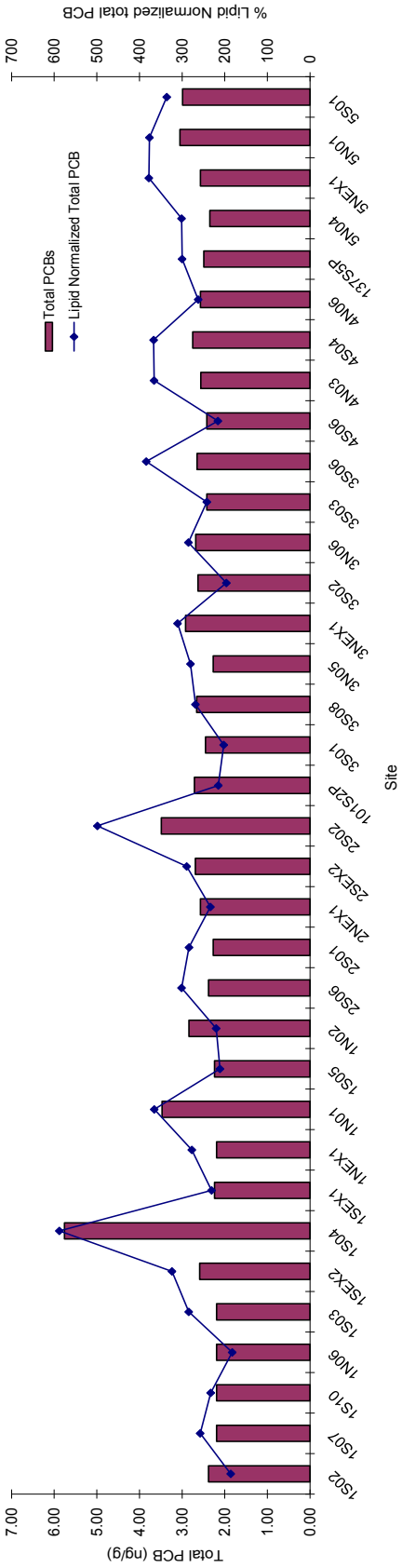
Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix J. Total polychlorinated biphenyls (PCBs) in coral (*Porites astreoides*) tissues (ng/ dry g) (continued).

Compound	4S06	5N01	5N04	5S01	5NEX1	101S2P	137S5P
PCB8/5	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB18	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB28	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB29	0.00 U	0.22	0.00 U	0.12 J	0.00 U	0.00 U	0.00 U
PCB31	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB44	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB45	0.00 U	0.09 J	0.00 U	0.07 J	0.00 U	0.00 U	0.00 U
PCB49	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB52	0.00 U	0.01 J	0.00 U	0.05 J	0.05 J	0.00 U	0.00 U
PCB56/60	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB66	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB70	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U
PCB74/61	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB87/115	0.05 J	0.06 J	0.03 J	0.12 J	0.04 J	0.08 J	0.04 J
PCB95	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB99	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB101/90	0.00 U	0.00 U	0.03 J	0.04 J	0.04 J	0.05 J	0.06 J
PCB105	0.01 J	0.01 J	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U
PCB110/77	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB118	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U
PCB128	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB138/160	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB146	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB149/123	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB151	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB153/132	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB156/171/202	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB158	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB170/190	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB174	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB180	0.03 J	0.06 J	0.03 J	0.02 J	0.02 J	0.05 J	0.04 J
PCB183	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB187	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB194	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB195/208	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB199	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB201/157/173	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB206	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
PCB209	0.01 J	0.02 J	0.00 U	0.01 J	0.01 J	0.04 J	0.00 U
Total PCB	2.42	3.05	2.35	2.99	2.57	2.71	2.49

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix K. Total polychlorinated biphenyls in coral (*Porites astreoides*) tissues normalized to percent lipid.



Appendix L. Organochlorine pesticides in sediments (ng/dry g).

Compound	01P	1N1P	02P	2N1P	3N1P	4N1P	5N1P	5NEX1	6N1P	07P	08P
Aldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endrin	0.08 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Trans-Nonachlor	0.00 U	0.00 U	0.05	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.00 U	0.00 U	0.05	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08	0.00 U
DDMU	1.50	0.00 U	0.92	0.00 U	0.00 U	0.15	0.00 U	0.00 U	0.00 U	0.30	0.00 U
2,4'-DDD	3.03	0.00 U	1.19	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	1.73	2.09
4,4'-DDD	4.61	0.00 U	0.56	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.01 J	0.62	0.00 U
2,4'-DDE	0.11	0.00 U	0.12	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U
4,4'-DDE	1.86	0.01 J	1.33	0.02 J	0.06	1.78	0.04 J	0.00 U	0.00 U	2.15	2.16
2,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDT	0.26	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.41
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.06 J	0.02 J
Pentachloroanisole	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan II	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.29
Total HCH	0.00	0.00	0.05	0.00	0.00	0.00	0.04	0.00	0.00	0.08	0.00
Total Chlordane	0.00	0.02	0.10	0.02	0.00	0.07	0.00	0.00	0.00	0.00	0.00
Total DDT	11.37	0.01	4.12	0.02	0.09	1.94	0.04	0.00	0.02	4.81	4.66

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix L. Organochlorine pesticides in sediments (ng/dry g) (continued).

Compound	16N2P	16P	17N2P	17P	18P	19N2P	21P	22N2P	22P	23P	26P
Aldrin	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.01 J	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.00 U	0.07 J	0.00 U	0.09 J	0.00 U	0.12 J	0.12 J	0.05 J
Heptachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.00 U	0.02 J	0.00 U	0.00 U	0.13	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
Gamma-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Trans-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	1.42	0.00 U	0.75	1.81	0.00 U
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
DDMU	0.07	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	20.02 D	0.00 U	10.48	12.10 D	0.00 U
2,4'-DDD	0.02 J	0.03 J	0.02 J	0.00 U	0.00 U	0.00 U	29.09 D	0.00 U	12.99 D	12.10 D	0.01 J
4,4'-DDD	0.06 J	0.00 U	0.06 J	0.02 J	0.00 U	0.00 U	56.79 D	0.00 U	23.08 D	20.04 D	0.01 J
2,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	2.93	0.00 U	1.35	1.95	0.00 U
4,4'-DDE	0.21	0.14	0.38	0.09	0.12	0.00 U	58.39 D	0.00 U	29.17 D	44.37 D	0.04 J
2,4'-DDT	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDT	0.07	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	10.46	0.00 U	1.76	0.00 U	0.00 U
1,2,3,4-Tetrachlorobenzene	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.02 J	0.00 U	0.01 J	0.02 J	0.00 U
Pentachloroanisole	0.01 J	0.00 U	0.00 U	0.06 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan II	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.14	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J
Total HCH	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.75	1.81	0.00
Total Chlordane	0.00	0.02	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.02
Total DDT	0.46	0.17	0.50	0.11	0.12	0.00	177.67	0.00	78.83	90.55	0.06

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix L. Organochlorine pesticides in sediments (ng/dry g) (continued).

Compound	27N2A	27P	28N2A	28P	31N3P	31P	32N3P	32P	33N3P	36P	37N3P
Aldrin	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.03 J	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.04 J	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
Heptachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U
Alpha-Chlordane	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U
Gamma-Chlordane	0.00 U	0.00 U	0.00 U	0.67	0.00 U	0.09	0.00 U	0.11	0.00 U	0.00 U	0.00 U
Trans-Nonachlor	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
DDMU	0.06	0.00 U	0.00 U	0.11	0.04 J	0.00 U	0.12	0.05 J	0.00 U	0.00 U	0.00 U
2,4'-DDD	0.16	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U
4,4'-DDD	0.32	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.11	0.00 U	0.00 U	0.03 J	0.00 U
2,4'-DDE	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDE	1.13	0.07	0.01 J	0.20	0.34	0.06	4.19	0.08	0.26	0.40	0.01 J
2,4'-DDT	0.05	0.00 U	0.01 J	0.00 U	0.00 U	0.07	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U
4,4'-DDT	0.20	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08	0.00 U	0.00 U
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.01 J	0.00 U	0.01 J	0.00 U	0.09	0.01 J	0.02 J	0.00 U	0.00 U	0.01 J	0.01 J
Pentachloroanisole	0.01 J	0.00 U	0.00 U	0.05 J	0.00 U	0.06 J	0.02 J	0.00 U	0.00 U	0.05 J	0.01 J
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan II	0.00 U	0.00 U	0.00 U	0.00 U	0.06 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
Mirex	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total HCH	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00
Total Chlordane	0.04	0.00	0.00	0.67	0.00	0.09	0.01	0.13	0.04	0.00	0.00
Total DDT	1.95	0.07	0.03	0.31	0.38	0.14	4.42	0.15	0.35	0.43	0.01

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix L. Organochlorine pesticides in sediments (ng/dry g) (continued).

Compound	37P	38N3P	38P	39N3P	40N3P	41P	42P	43P	45N3A	46P	47P
Aldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U
Dieldrin	0.03 J	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.10	0.00 U	0.00 U	0.08	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.18	0.09	0.00 U	0.00 U	0.00 U
Gamma-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.38	0.00 U	0.00 U
Trans-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.03 J	0.02 J	0.00 U	0.03 J	0.00 U	0.00 U	0.06	0.08	0.00 U	0.43	0.12
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.09	0.00 U	0.00 U	0.04	0.00 U	0.00 U
DDMU	0.00 U	0.00 U	0.14	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.92	39.22 D	1.89
2,4'-DDD	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	5.97	2.33	1.03	7.00	49.30 D	4.50
4,4'-DDD	0.00 U	0.00 U	0.12	0.02 J	0.00 U	3.91	0.71	0.41	4.94	194.95 D	8.70
2,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.48	5.70	0.59
4,4'-DDE	0.43	0.00 U	0.67	0.01 J	0.00 U	14.10	9.45	6.59	18.76	122.92 D	21.25 E
2,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	207.53 D	0.00 U
4,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.10	654.05 D	2.14
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.01 J	0.01 J	0.12	0.00 U	0.02 J
Pentachloroanisole	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.09	0.00 U	0.00 U
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U
Endosulfan II	0.00 U	0.00 U	0.22	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.16	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.19	0.00 U	0.08 J
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.27	0.33	0.15	0.00 U	0.00 U	0.27
Total HCH	0.03	0.02	0.00	0.03	0.00	0.09	0.06	0.08	0.04	0.43	0.12
Total Chlordane	0.00	0.01	0.01	0.00	0.00	0.04	0.18	0.09	0.38	0.00	0.00
Total DDT	0.43	0.00	0.97	0.03	0.00	23.98	12.50	8.04	32.20	1273.66	39.06

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix L. Organochlorine pesticides in sediments (ng/dry g) (continued).

Compound	51N4P	52N4P	52N4PX	54N4P	57N4A	66N5A	67S1P	68S1P	69S1P	70S1P	71S1P
Aldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.20	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08	0.00 U
Trans-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.09	0.00 U
Delta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
DDMU	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	2.21	2.07	0.00 U
2,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.33	0.25	1.48	0.00 U
4,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.85	0.42	2.56	0.00 U
2,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.15	0.00 U	0.00 U
4,4'-DDE	0.01 J	0.00 U	0.04 J	0.00 U	0.00 U	0.04 J	0.10	1.67	7.08	4.33	0.00 U
2,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.31	0.00 U	0.19	0.00 U
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.06 J	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U
Pentachloroanisole	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.34	0.00 U
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan II	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U	1.54	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.11 J	0.00 U	0.00 U
Total HCH	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.09	0.03
Total Chlordane	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.09	0.00
Total DDT	0.01	0.00	0.04	0.00	0.00	0.04	0.11	3.20	10.11	10.63	0.00

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix L. Organochlorine pesticides in sediments (ng/dry g) (continued).

Compound	72S1P	73S1P	78S1A	87S2P	88S2P	89S2P	91S2P	92S2P	96S2A	101S2P	104S3P
Aldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U	0.00 U	0.00 U	0.08
Gamma-Chlordane	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.02 J	0.16	0.00 U	0.00 U	0.00 U	0.16
Trans-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.02 J	0.00 U	0.00 U	0.00 U	0.02 J
Delta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.07
DDMU	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.18	1.20	0.00 U	0.00 U	0.00 U	3.13
2,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.20	1.75	0.03 J	0.00 U	0.00 U	2.73
4,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.54	0.00 U	0.05 J	0.00 U	0.00 U	4.89
2,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
4,4'-DDE	0.00 U	0.01 J	0.01 J	0.04 J	0.02 J	0.43	6.98	0.08	0.08	0.00 U	9.46
2,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.35
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.02 J	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U
Pentachloroanisole	0.00 U	0.00 U	0.01 J	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Pentachlorobenzene	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan II	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.16	0.00 U	0.00 U	0.00 U	0.36
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total HCH	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.00	0.00	0.00	0.10
Total Chlordane	0.00	0.01	0.00	0.00	0.01	0.03	0.19	0.02	0.04	0.00	0.24
Total DDT	0.00	0.05	0.01	0.04	0.04	1.36	9.94	0.16	0.08	0.02	20.55

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix L. Organochlorine pesticides in sediments (ng/dry g) (continued).

Compound	105S3P	106S3P	107S3P	109S3P	110S3P	115S3A	126S4P	127S4P	128S4P	129S4P	136S5P	137S5P
Aldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.04 J	0.00 U	0.01 J	0.03 J	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.00 U	0.01 J	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-Chlordane	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Trans-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
DDMU	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.22	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
2,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.41	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDD	0.01 J	0.01 J	0.00 U	0.17	0.00 U	1.53	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
2,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDE	0.02 J	0.05	0.00 U	1.69	0.00 U	0.97	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U
2,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.06	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	5.70	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.03 J	0.00 U
Pentachloroanisole	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.01 J	0.00 U	0.00 U
Endosulfan II	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total HCH	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.03	0.00
Total Chlordane	0.00	0.01	0.03	0.00	0.00	0.00	0.04	0.00	0.01	0.03	0.00	0.00
Total DDT	0.03	0.06	0.00	1.87	0.00	8.92	0.00	0.00	0.00	0.00	0.01	0.00

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix M. Organochlorine pesticides in coral (*Porites astreoides*) tissues (ng/dry g).

Compound	1N01	1N02	1N06	1S02	1S03	1S04	1S05	1S07	1S10	1NEX1	1SEX1
Aldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.26	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.01 J	0.00 U	0.03 J	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
Gamma-Chlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Trans-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Cis-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-HCH	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
DDMU	0.00 U	0.00 U	0.11 J	0.19 J	0.00 U	0.00 U	0.10 J	0.04 J	0.08 J	0.00 U	0.04 J
2,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
2,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
2,4'-DDT	0.03 J	2.26	0.09 J	0.00 U	0.00 U	0.14 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.02 J	0.02 J	0.03 J	0.02 J	0.00 U	0.02 J	0.02 J	0.01 J	0.00 U	0.03 J
Pentachloroanisole	0.02 J	0.04 J	0.04 J	0.03 J	0.04 J	0.02 J	0.02 J	0.04 J	0.02 J	0.04 J	0.03 J
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan II	0.09 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.55	0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.19 J	0.00 U
Total HCH	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Chlordane	0.01	0.00	0.30	0.00	0.00	0.09	0.00	0.00	0.00	0.03	0.00
Total DDT	0.03	2.26	0.20	0.19	0.00	0.16	0.10	0.04	0.08	0.00	0.04

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix M. Organochlorine pesticides in coral (*Porites astreoides*) tissues (ng/dry g) (continued).

Compound	1SEX2	2S01	2S02	2S06	2NEX1	2SEX2	3N05	3N06	3S01	3S02	3S03	3S06
Aldrin	0.00 U	0.00 U	Pending	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.01 J	0.01 J
Endrin	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.02 J	0.00 U		0.00 U	0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.07 J	0.05 J	0.06 J	0.12 J	0.06 J
Gamma-Chlordane	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.08 J	0.07 J
Trans-Nonachlor	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.05 J	0.03 J
Cis-Nonachlor	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U
Alpha-HCH	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-HCH	0.00 U	0.00 U		0.00 U	0.05 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
DDMU	0.00 U	0.05 J		0.05 J	0.00 U	0.06 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J
2,4'-DDD	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDD	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.06 J	0.10 J	0.02 J	0.03 J	0.01 J	0.01 J
2,4'-DDE	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J
4,4'-DDE	0.00 U	0.00 U		0.00 U	0.11 J	0.03 J	0.01 J	0.00 U	0.02 J	0.00 U	0.00 U	0.02 J
2,4'-DDT	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.03 J	0.04 J	0.02 J	0.06 J	0.04 J	0.03 J
4,4'-DDT	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.71	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	1.86	2.24
Hexachlorobenzene	0.01 J	0.00 U		0.03 J	0.01 J	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Pentachloroanisole	0.02 J	0.01 J		0.04 J	0.02 J	0.04 J	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Pentachlorobenzene	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	1.49	0.00 U
Endosulfan II	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.00 U	0.00 U		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U
Chlorpyrifos	0.00 U	0.00 U		0.15 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Total HCH	0.00	0.00		0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Chlordane	0.02	0.00		0.00	0.00	0.05	0.00	0.07	0.05	0.06	0.28	0.17
Total DDT	0.00	0.05		0.05	0.11	0.08	0.10	0.13	0.07	0.09	0.05	0.09

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix M. Organochlorine pesticides in coral (*Porites astreoides*) tissues (ng/dry g) (continued).

Compound	3S08	3NEX1	4N03	4N06	4S04	4S06	5N01	5N04	5S01	5NEX1	101S2P	137S5P
Aldrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Dieldrin	0.01 J	0.01 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U
Endrin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.04 J	0.03 J	0.00 U	0.00 U	0.00 U	0.00 U
Heptachlor-Epoxide	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Oxychlordane	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-Chlordane	0.08 J	0.09 J	0.06 J	0.08 J	0.10 J	0.00 U	0.28	0.09 J	0.07 J	0.10 J	0.18	0.15
Gamma-Chlordane	0.00 U	0.06 J	0.00 U	0.06 J	0.13 J	0.05 J	0.33	0.06 J	0.09 J	0.10 J	0.20	0.16 J
Trans-Nonachlor	0.02 J	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.14 J	0.04 J	0.02 J	0.05 J	0.05 J	0.05 J
Cis-Nonachlor	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Alpha-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Beta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Delta-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Gamma-HCH	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
DDMU	0.00 U	0.06 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
2,4'-DDD	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDD	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.05 J	0.02 J	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U
2,4'-DDE	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
4,4'-DDE	0.00 U	0.02 J	0.00 U	0.00 U	0.00 U	0.00 U	0.01 J	0.00 U	0.00 U	0.00 U	0.03 J	0.00 U
2,4'-DDT	0.03 J	0.03 J	0.00 U	0.02 J	0.04 J	0.03 J	0.04 J	0.03 J	0.00 U	0.04 J	0.04 J	0.05 J
4,4'-DDT	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,3,4-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
1,2,4,5-Tetrachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Hexachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Pentachloroanisole	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.02 J	0.00 U	0.00 U	0.04 J
Pentachlorobenzene	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan II	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan I	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Endosulfan Sulfate	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Mirex	0.03 J	0.00 U	0.00 U	0.00 U	0.04 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Chlorpyrifos	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.14 J	0.00 U	0.24 J	0.00 U	0.00 U	0.00 U
Total HCH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Chlordane	0.13	0.15	0.07	0.14	0.23	0.05	0.81	0.21	0.18	0.25	0.43	0.36
Total DDT	0.03	0.14	0.00	0.02	0.04	0.08	0.07	0.03	0.00	0.06	0.07	0.05

Qualifiers: J = Below the method detection level (MDL); U = not detected.

Appendix N. Energetics detected in Vieques sediments (µg/dry g).

Compound	01P	1N1P	02P	2N1P	3N1P	4N1P	5N1P
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	NA	NA	NA	NA	NA

Compound	5NEX1	6N1P	07P*	08P	16N2P	16P	17N2P
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND i	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	NA	NA	ND	NA	NA

Compound	17P	18P	19N2P	21P*	22N2P	22P*	23P*
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND i	ND	ND	ND i
1,3-Dinitrobenzene	ND	ND	ND	ND i	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND i
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	ND	NA	NA	NA	NA	ND	NA

Qualifiers: ND, not detected; NA, not analyzed; *, Sediment sample reanalyzed using LC/MS/MS (Liquid Chromatograph/Mass Spectrometry/ Mass Spectrometry; i, the Method Reporting Limit (MRL)/Method Detection Limit (MDL) has been elevated due to a chromatographic interference; **Perchlorate was not analyzed in all samples, and results for perchlorate are in ng/g (ppb).

Appendix N. Energetics detected in Vieques sediments (µg/dry g) (continued).

Compound	26P	27N2A	27P*	28N2A	28P*	31N3P	31P*
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND i	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND	ND i	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	ND	NA	NA	NA	NA

Compound	32N3P	32P*	33N3P	36P	37N3P	37P	38N3P
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	NA	NA	NA	NA	NA

Compound	38P	39N3P	40N3P	41P*	42P*	43P*	45N3A
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND i	ND i	ND i	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND i	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND i	ND i	ND i	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	NA	NA	NA	NA	NA

Qualifiers: ND, not detected; NA, not analyzed; *, Sediment sample reanalyzed using LC/MS/MS (Liquid Chromatograph/Mass Spectrometry/ Mass Spectrometry; i, the Method Reporting Limit (MRL)/Method Detection Limit (MDL) has been elevated due to a chromatographic interference; **Perchlorate was not analyzed in all samples, and results for perchlorate are in ng/g (ppb).

Appendix N. Energetics detected in Vieques sediments (µg/dry /g) (continued).

Compound	46P*	47P*	51N4P	52N4P	52N4PX	54N4P	57N4A
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND i	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND i	ND i	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND i	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	ND	NA	NA	ND	NA	NA

Compound	66N5A	67S1P	68S1P*	69S1P	70S1P	71S1P	72S1P
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND i	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	ND	NA	ND	NA	NA

Compound	73S1P	78S1A	87S2P	88S2P	89S2P	91S2P	92S2P
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	NA	NA	NA	NA	NA

Qualifiers: ND, not detected; NA, not analyzed; *, Sediment sample reanalyzed using LC/MS/MS (Liquid Chromatograph/Mass Spectrometry/ Mass Spectrometry; i, the Method Reporting Limit (MRL)/Method Detection Limit (MDL) has been elevated due to a chromatographic interference; **Perchlorate was not analyzed in all samples, and results for perchlorate are in ng/g (ppb).

Appendix N. Energetics detected in Vieques sediments (µg/dry g) (continued).

Compound	96S2A	101S2P	104S3P	105S3P	106S3P	107S3P	109S3P
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	NA	NA	NA	NA	NA

Compound	110S3P	115S3A	126S4P	127S4P	128S4P	129S4P	136S5P	137S5P
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	ND	ND	ND	ND	ND	ND	ND	ND
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trinitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND
4-Amino-2,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND
2-Amino-4,6-dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trinitrotoluene (TNT)	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND
Perchlorate**	NA	NA	NA	NA	NA	NA	NA	NA

Qualifiers: ND, not detected; NA, not analyzed; *, Sediment sample reanalyzed using LC/MS/MS (Liquid Chromatograph/Mass Spectrometry/ Mass Spectrometry; i, the Method Reporting Limit (MRL)/Method Detection Limit (MDL) has been elevated due to a chromatographic interference; **Perchlorate was not analyzed in all samples, and results for perchlorate are in ng/g (ppb).

TDI-Brooks International

Home Office 1902 Pinon College Station TX 77845 Phone (979) 696-3634 Fax (979) 696-5168 Juanramirez@tdi-bi.com

December 22, 2009

TDI-Brooks International (TDI-BI) is the lead contractor for the National Oceanic and Atmospheric Administration's National Status and Trends Program (NOAA NS&T). As approved by NOAA, TDI-BI subcontracted Columbia Analytical Services (CAS) located in Kelso, WA to analyze sixty-one (61) sediment samples for energetics in support of the work by NOAA for sediment samples collected from Vieques Island, Puerto Rico in 2007.

All samples were analyzed by CAS using U.S. Environmental Protection Agency (EPA) publication - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", also known as SW-846, method 8330A – "NITROAROMATICS AND NITRAMINES BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)". This method is intended for the analysis of certain explosive residues in water, soil, and sediments by HPLC using an ultra violet (UV) detector at the parts per billion (ppb) levels.

Analyses were performed according to CAS's National Environmental Laboratory Accreditation Program (NELAP) - approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the provided laboratory case narrative. Tentative identification of an analyte occurs when a peak from a sample extract falls within the daily retention time window. Confirmation is necessary when the sample composition is not well characterized. All positive measurements observed on the initial analyses were confirmed by injection onto a dissimilar column, or by another appropriate technique, e.g., diode array or mass spectral detection.

For the results submitted in this program under CAS service request K0807843 and K0904770, results which were not detected were reported as "ND" (Non-detectable). Samples which had positive detection in the 8330 HPLC/UV analysis were subsequently rerun for confirmation using confirmed by Liquid Chromatography Mass Spectroscopy/Mass Spectroscopy (LC/MS/MS) techniques.

For those samples that were reanalyzed using LC/MS/MS, either the chromatogram indicated the presence of non-target background components with poor peak shapes, or retention time mismatched and thus flagged to indicate "I" (matrix interference), or none of the positive detections were confirmed. All results from the reanalysis were therefore reported as "ND".

Exceptions (where applicable) are noted in the submitted case narrative reports. All results are intended to be considered in their entirety.

12/22/09

Juan A. Ramirez Environmental Laboratory Manager

Appendix O. Butyltins detected in Vieques sediments (ng Sn/dry g).

Site	01P	1N1P	02P	2N1P	3N1P	4N1P	5N1P	07P
Monobutyltin	0.23 J	0.00 U	0.15 J	0.00 U	0.00 U	0.21 J	0.00 U	0.35 J
Dibutyltin	0.15 J	0.38 J	0.11 J	0.42	1.27	0.26 J	0.33 J	0.08 J
Tributyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Site	08P	16N2P	16P	17N2P	17P	18P	19N2P	21P
Monobutyltin	0.20 J	0.00 U	0.23 J	0.00 U	0.19 J	0.15 J	0.18 J	0.12 J
Dibutyltin	0.10 J	0.49	0.00 U	0.95	0.00 U	0.09 J	0.24 J	0.00 U
Tributyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Site	22N2P	22P	23P	26P	27N2A	27P	28N2A	28P
Monobutyltin	0.00 U	0.22 J	0.17 J	0.26 J	0.43 J	0.18 J	0.00 U	1.33
Dibutyltin	0.08 J	0.09 J	0.13 J	0.27 J	0.27 J	0.16 J	0.12 J	0.00 U
Tributyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.13 J	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Site	31N3P	31P	32N3P	32P	33N3P	36P	37N3P	37P
Monobutyltin	0.00 U	1.89	0.00 U	1.40	0.13 J	0.86	0.00 U	0.52 J
Dibutyltin	0.50	0.09 J	0.17 J	0.00 U	0.62	0.00 U	0.28 J	0.00 U
Tributyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.0 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Site	38N3P	38P	39N3P	40N3P	41P	42P	43P	45N3A
Monobutyltin	0.55 J	0.78	0.15 J	0.00 U	0.75 J	2.67	2.23	0.00 U
Dibutyltin	0.70	0.07 J	0.76	0.19 J	0.66 J	0.53	0.20 J	0.57
Tributyltin	0.00 U	0.07 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Site	46P	47P	51N4P	52N4P	52N4PX	54N4P	57N4A	66N5A
Monobutyltin	1.19	1.62	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.29 J
Dibutyltin	0.11 J	0.09 J	0.20 J	0.26 J	0.08 J	0.09 J	0.20 J	0.26 J
Tributyltin	0.00 U	0.00 U	0.00 U	0.18 J	0.00 U	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Appendix O. Butyltins detected in Vieques sediments (ng Sn/dry g) (continued).

Site	67S1P	68S1P	69S1P	70S1P	71S1P	72S1P	73S1P	78S1A
Monobutyltin	0.12 J	0.00 U	0.00 U	0.32 J	0.00 U	0.00 U	0.00 U	0.00 U
Dibutyltin	0.20 J	0.21 J	0.22 J	0.56	0.34 J	0.17 J	0.14 J	0.20 J
Tributyltin	0.00 U	0.0 U	0.00 U	0.11 J	0.00 U	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Site	87S2P	88S2P	89S2P	91S2P	92S2P	96S2A	101S2P	104S3P
Monobutyltin	0.00 U	0.00 U	0.86	0.21 J	0.28 J	0.32 J	0.23 J	0.00 U
Dibutyltin	0.23 J	0.19 J	1.04	0.24 J	0.34 J	0.22 J	0.08 J	0.25 J
Tributyltin	0.0 U	0.00 U	1.23	0.15 J	0.10 J	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.22 J	0.00 U	0.00 U	0.00 U

Site	105S3P	106S3P	107S3P	109S3P	110S3P	115S3A	126S4P	127S4P
Monobutyltin	0.00 U	0.00 U	0.21 J	0.00 U	0.18 J	0.00 U	0.37 J	0.12 J
Dibutyltin	0.21 J	0.20 J	0.09 J	0.19 J	0.34 J	0.10 J	0.47	0.18 J
Tributyltin	0.00 U	0.00 U	0.00 U	0.07 J	0.00 U	0.00 U	1.03	0.07 J
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U

Site	128S4P	129S4P	136S5P	137S5P
Monobutyltin	0.00 U	0.12 J	0.00 U	0.00 U
Dibutyltin	0.31 J	0.21 J	0.25 J	0.18 J
Tributyltin	0.00 U	0.00 U	0.00 U	0.00 U
Tetrabutyltin	0.00 U	0.00 U	0.00 U	0.00 U

Appendix P. Butyltins in coral (*Porites astreoides*) tissues (ng Sn/dry g).

Site	1N01		1N02		1N06		1S02		1S03		1S04	
Monobutyltin	4.45		5.86		6.20		7.18		9.28		6.46	
Dibutyltin	0.00	U	0.38	J	0.00	U	0.00	U	0.00	U	0.00	U
Tributyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U
Tetrabutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U

Site	1S05		1S07		1S10		1NEX1		1SEX1		1SEX2	
Monobutyltin	5.04		9.19		9.37		1.26	J	5.91		4.09	
Dibutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U
Tributyltin	0.00	U	0.00	U	0.00	U	2.36	J	0.44	J	0.00	U
Tetrabutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U

Site	2S01		2S02		2S06		2NEX1		2SEX2		3N05	
Monobutyltin	5.85		4.40		8.35		5.26		5.93		4.93	
Dibutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U
Tributyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U
Tetrabutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U

Site	3N06		3S01		3S02		3S03		3S06		3S08	
Monobutyltin	0.51	J	4.42		0.98	J	0.00	U	5.30		5.38	
Dibutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.69	J
Tributyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U
Tetrabutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U

Site	3NEX1		4N03		4N06		4S04		4S06		5N01	
Monobutyltin	0.58	J	0.00	U	0.58	J	2.65	J	NA		1.02	J
Dibutyltin	0.96	J	0.00	U	0.68	J	1.12	J	NA		1.15	J
Tributyltin	0.00	U	0.00	U	0.00	U	0.00	U	NA		0.00	U
Tetrabutyltin	0.00	U	0.00	U	0.00	U	0.00	U	NA		0.00	U

Site	5N04		5S01		5NEX1		101S2P		137S5P	
Monobutyltin	0.92	J	4.37		0.80	J	5.03		3.39	J
Dibutyltin	0.86	J	1.36	J	1.38	J	0.90	J	0.96	J
Tributyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U
Tetrabutyltin	0.00	U	0.00	U	0.00	U	0.00	U	0.00	U

Qualifiers (Q): J=Below the MDL; U=Not detected

Appendix Q. Trace and major elements in Vieques sediments (µg/dry g).

Compound	01P	1N1P	02P	2N1P	3N1P	4N1P
Ag	0.051	0.0651	0 U	0.0926	0.104	0.116
Al	39,000	4,060 B	34,600	2,200 B	12,000 B	73,700
As	1.88	2.34	1.1	5.24	5.47	7.55
Cd	0 U	0 U	0 U	0 U	0 U	0.192
Cr	5.87	4.3	4.42	3.59	7.23	27.3
Cu	10.6	1.7	5.16	3.29	9.06	40.7
Fe	8,210	1,450 B	6,580	1,290 B	6,230 B	35,800
Hg	0	0 U	0	0 U	0 U	0.0684
Mn	139	30.4 B	86.2	17 B	111 B	483
Ni	4.11	0 U	5.98	0 U	0 U	11.1
Pb	5.38	1.01	9.02	1.09	2.6	10.2
Sb	0 U	0 U	0 U	0 U	0 U	0.416
Se	0.151	0 U	0.125	0.243	0.138	0.872
Si	200,000	23,800	451,000	0 U	38,500	184,000
Sn	0 U	0 U	0 U	0 U	0 U	1.27
Zn	13.1 B	4.11	9.82 B	4.87	13.3	61.1

Compound	5NEX1	5N1P	6N1P	07P	08P	16N2P
Ag	0.0966	0.0906	0.0736	0 U	0 U	0.0575
Al	799	42,900	22,800 B	63,400	62,800	62,200 B
As	2.32	6.6	3.97	4.13	1.53	10.7
Cd	0 U	0 U	0 U	0.107	0 U	0 U
Cr	12.4	16.2	3.4	16.3	9.37	25.9
Cu	1.13	13.8	4.36	25.9	18.9	18.7
Fe	432	15,900	5,570 B	26,500	21,100	34,700 B
Hg	0 U	0 U	0 U	0.0976	0.0346	0.0441
Mn	20.1	329	149 B	207	154	625 B
Ni	0 U	6.22	2.02	8.24	8.04	9.74
Pb	1.16	3.47	1.82	16.2	12.4	17.6
Sb	0 U	0.35	0 U	0 U	0.267	0.717
Se	0 U	0.296	0.136	0.79	0.379	0 U
Si	11,200	130,000	78,800	171,000	288,000	202,000
Sn	0 U	0.627	0 U	0.731	0.668	17.1
Zn	2.95	22.4	7.67	44.4 B	33.5 B	69.7

Qualifiers (Q): B=Analyte detected in the procedural blanks greater than 3X MDL;
J=Below the MDL; U=Not detected

Appendix Q. Trace and major elements in Vieques sediments (µg/dry g) (continued).

Compound	16P	17N2P	17P	18P	19N2P	21P
Ag	0 U	0.088	0.0651	0.0567	0.109	0.273
Al	30,900	20,400 B	30,800	24,800	3,270 B	97,700
As	3.3	4.2	4.43	4.59	3.5	2.62
Cd	0.143	0 U	0.215	0.201	0 U	0.425
Cr	48.7	14.3	45	34	13.5	59.1
Cu	34.8	14.9	43.3	35.2	1.91	48
Fe	15,000	10,800 B	19,400	15,700	1,190 B	50,400
Hg	0.0067	0 U	0.0061	0.0069	0 U	0.0459
Mn	499	176 B	518	368	20.4 B	886
Ni	9.49	4.74	12.9	9.77	0 U	30.2
Pb	2.19	6.35	2.57	2.06	0.861	12.3
Sb	0.23	0.374	0.265	0.227	0.221	0.57
Se	0.119	0.116	0.145	0.158	0.239	0.782
Si	149,000	74,400	112,000	97,400	46,300	249,000
Sn	0 U	1.01	0.45	0.382	0 U	1.66
Zn	21 B	28	29.2 B	23.2 B	3.31	61.7 B

Compound	22N2P	22P	23P	26P	27N2A	27P
Ag	0.0996	0.186	0.255	0.107	0.0684	0.0737
Al	13,400	89,600	97,200	23,900	72,400	47,300
As	7.53	2	2.75	3.14	4.17	15.4
Cd	0 U	0.219	0.489	0.788	0 U	0.813
Cr	15.5	63.7	60.3	24.2	14.7	38.1
Cu	3.8	30.6	48.8	58.8	24.6	47.4
Fe	5,180	43,400	48,900	11,500	22,400	49,100
Hg	0 U	0.0294	0.0475	0.0094	0.0232	0.0106
Mn	125	552	967	191	401	601
Ni	2.37	26.6	30.5	6.1	8.8	14
Pb	1.35	7.5	12.2	2.65	12.7	7.83
Sb	0.367	0.546	0.62	0.33	0.311	1.19
Se	0 U	0.478	0.949	0.143	0 U	0.287
Si	67,100	309,000	234,000	143,000	284,000	200,000
Sn	0 U	1.85	1.7	0 U	1.37	0.699
Zn	7.58	81.2 B	81.1 B	68.5 B	57.5	107 B

Qualifiers (Q): B=Analyte detected in the procedural blanks greater than 3X MDL;
J=Below the MDL; U=Not detected

Appendix Q. Trace and major elements in Vieques sediments (µg/dry g) (continued).

Compound	28P	28N2A	31N3P	31P	32N3P	32P
Ag	0.097	0.0631	0.575	0.0493	0.3	0.0848
Al	43,700	25,800 B	86,800	56,800	54,500	38,400
As	7.75	8.24	2.76	7.18	2.25	6.74
Cd	1.92	0 U	0.294	0.514	0.3	0.496
Cr	31.5	12.6	56.2	70.7	20.7	52.5
Cu	80.7	5.66	83.2	60.4	45.8	87.5
Fe	31,000	9,490 B	50,700	40,000	22,400	37,600
Hg	0.0193	0 U	0.0264	0.0125	0.0718	0.0099
Mn	670	201 B	958	799	530	741
Ni	14.1	3.27	22.7	27.7	13	20.9
Pb	11.4	2.66	13	10	11	9.57
Sb	0.767	0.341	0.429	0.992	0.528	0.747
Se	0.273	0 U	0.261	0.14	0.16	0.169
Si	150,000	122,000	231,000	217,000	131,000	159,000
Sn	0.811	0 U	1.08	0.874	1.04	0.899
Zn	86.7 B	9.84	110	90.7 B	53.9	86.3 B

Compound	33N3P	36P	37N3P	37P	38N3P	38P
Ag	0.0828	0.155	0.0951	0.126	0.0956	0.172
Al	3,200	63,300	11,200	57,500	1,050 B	72,300
As	1.46	4.77	11.3	4.03	3.2	4.85
Cd	0 U	0.618	0 U	0.322	0 U	0.383
Cr	5.86	72.3	7.78	70.6	8.03	85.2
Cu	3.51	90.5	5.91	103	1.1	97.4
Fe	1,170	37,800	3,960	36,400	645 B	44,300
Hg	0 U	0.0251	0 U	0.0171	0 U	0.0172
Mn	27.4	809	90.1	799	29.6 B	957
Ni	0 U	27.6	2.13	24.9	2.23	31.3
Pb	0.923	12.7	1.29	11.1	1.91	14.4
Sb	0 U	0.313	0 U	0.268	0 U	0.319
Se	0 U	0.411	0 U	0.254	0.181	0.269
Si	21,000	187,000	99,100	169,000	11,400	210,000
Sn	0 U	0.83	0 U	0.765	0 U	0.95
Zn	5.58	130 B	10.5	94.4 B	2.25	113 B

Qualifiers (Q): B=Analyte detected in the procedural blanks greater than 3X MDL;
J=Below the MDL; U=Not detected

Appendix Q. Trace and major elements in Vieques sediments (µg/dry g) (continued).

Compound	39N3P	40N3P	41P	42P	43P	45N3A
Ag	0.139	0.0896	0 U	0 U	0 U	0.478
Al	3,390	3,330 B	63,300	80,900	89,800	118,000
As	2.48	4.31	2.98	2.95	3.1	2.76
Cd	0 U	0 U	0 U	0 U	0 U	0.306
Cr	6.57	8.63	13.6	16.1	15.6	43.3
Cu	3.42	2.52	40.9	51.6	53.6	87.6
Fe	1,640	1,490 B	30,600	39,300	43,200	50,200
Hg	0 U	0 U	0.0402	0.0469	0.0383	0.0609
Mn	44.1	42.5 B	307	497	531	594
Ni	0 U	0 U	6.49	9.1	9.54	22.6
Pb	1.65	0.661	8.36	10.6	11.2	16.4
Sb	0 U	0 U	0.287	0.321	0.322	0.84
Se	0 U	0 U	0.563	0.564	0.397	1.2
Si	16,800	32,500	161,000	203,000	230,000 B	224,000
Sn	0 U	0 U	0.698	0.922	0.942	2.51
Zn	3.73	4.89	44.8 B	56.2 B	55.5 B	96.7

Compound	46P	47P	51N4P	52N4P	52N4PX	54N4P
Ag	0.0411	0 U	0.137	0.0978	0.085	0.0964
Al	72,400	76,200	2,770	5,730	74,000	1,580
As	3.96	2.26	2.57	1.89	9.86	1.98
Cd	0.259	0.118	0 U	0 U	0.179	0 U
Cr	34.3	35.2	9.71	9.78	178	7.66
Cu	58.6	53.1	1.56	2.38	46.9	1.13
Fe	45,100	38,000	1,060	2,040	45,300	593
Hg	0.0467	0.0296	0 U	0 U	0.0366	0 U
Mn	618	384	33.1	67.4	632	21.7
Ni	19.2	16.7	0 U	0 U	38.3	0 U
Pb	9.21	7.91	1.13	0.923	4.86	0.701
Sb	0.556	0.521	0 U	0 U	0.838	0 U
Se	0.587	0.322	0 U	0 U	0 U	0.142
Si	209,000 B	248,000 B	20,000	36,100	228,000	16,700
Sn	1.27	1.2	0 U	0 U	0.592	0 U
Zn	39.4 B	35.1 B	2.74	4.31	63	4.74

Qualifiers (Q): B=Analyte detected in the procedural blanks greater than 3X MDL;
J=Below the MDL; U=Not detected

Appendix Q. Trace and major elements in Vieques sediments (µg/dry g) (continued).

Compound	57N4A	66N5A	67S1P	68S1P	69S1P	70S1P
Ag	0.0835	0.0978	0.0845	0.0917	0.0978	0.0873
Al	1,440 B	1,520	48,000	73,800 B	24,000	36,800
As	2.01	2.68	1.98	8.67	2.58	4.21
Cd	0 U	0 U	0 U	0.338	0.132	0.117
Cr	12.8	7.64	11.4	22.5	11.5	9.23
Cu	1.33	3.14	43.4	41.5	25.7	22.6
Fe	722 B	814	26,800	41,900 B	14,100	18,800
Hg	0 U	0 U	0.0338	0.0862	0.0768	0.112
Mn	25.7 B	29.4	523	636 B	500	334
Ni	0 U	0 U	11	10.4	6.22	6.37
Pb	0.739	0.75	6.83	13.4	6.4	9.1
Sb	0 U	0 U	0 U	0.284	0 U	0.228
Se	0.122	0 U	0.394	0.87	0.792	0.909
Si	10400	14000	90600	158000	52100	74700
Sn	0 U	0 U	0.817	1.14	0.562	0.505
Zn	3.02	1.28	94.1	79.5	32.2	51.8

Compound	71S1P	72S1P	73S1P	78S1A	87S2P	88S2P
Ag	0.103	0.0728	0.0686	0.107	0.107	0.109
Al	34,200	30,300 B	28,600	24,800 B	38,800	11,000 B
As	5.34	4.49	4.94	3.98	2.24	2.16
Cd	0	0 U	0 U	0 U	0 U	0 U
Cr	7.16	8.04	8.82	7.5	7.66	8.7
Cu	5.33	1.95	0 U	1.55	4.94	8.55
Fe	8,490	4,580 B	10,100	4,880 B	8,560	5,100 B
Hg	0	0 U	0 U	0 U	0 U	0 U
Mn	213	113 B	276	149 B	308	99 B
Ni	2.48	2.49	0 U	2.9	2.59	0 U
Pb	4.63	2.27	2.37	1.99	2.64	1.76
Sb	0	0 U	0 U	0 U	0 U	0 U
Se	0.119	0 U	0.119	0 U	0 U	0.244
Si	119,000	149,000	126,000	125,000	137,000	26,800
Sn	0	0 U	0 U	0 U	0 U	0 U
Zn	12.5	5.79	9.61	6.33	18	9.65

Qualifiers (Q): B=Analyte detected in the procedural blanks greater than 3X MDL;
J=Below the MDL; U=Not detected

Appendix Q. Trace and major elements in Vieques sediments (µg/dry g) (continued).

Compound	89S2P	91S2P	92S2P	96S2A	101S2P	104S3P
Ag	0.0685	0.0809	0.105	0.0894	0.203	0.0884
Al	70,900	58,300	58,900 B	2,910	1,880	72,300
As	3.62	7.34	12.6	2.66	2.22	3.83
Cd	0 U	0.149	0.11	0 U	0 U	0.133
Cr	13	16.4	18.6	7.35	7.3	15.5
Cu	31.6	52.5	36.1	3.7	1.78	49.1
Fe	35,400	28,600	28,100 B	1,330	670	24,700
Hg	0.0219	0.0498	0.0375	0 U	0 U	0.0351
Mn	667	194	313 B	38.6	31.4	175
Ni	6.68	7.62	7.09	0 U	0 U	6.33
Pb	9.55	5.46	5	1.28	0.878	4.77
Sb	0.336	0.278	0.282	0 U	0 U	0.364
Se	0.135	1.12	0.797	0.217	0.107	0.879
Si	291,000	127,000	120,000	10,100	14,900	185,000
Sn	0.98	0.729	0.691	0 U	0 U	0.653
Zn	44.4	53.2	50.6	5.03	2.76	42.6

Compound	105S3P	106S3P	107S3P	109S3P	110S3P	115S3A
Ag	0.0978	0.0758	0.0814	0.101	0.0604	0.0897
Al	4,200 B	8,480 B	14,500	24,800	1,900	6,630
As	1.83	2.66	2.21	6.44	2.65	2.33
Cd	0 U	0 U	0 U	0.0928	0 U	0 U
Cr	12.6	7.34	8.94	15.9	8.69	6.26
Cu	3.58	5.95	7.99	29.1	3.28	3.06
Fe	1,800 B	3,910 B	6,170	13,500	1,070	2,880
Hg	0 U	0 U	0 U	0.066	0 U	0 U
Mn	37 B	93.2 B	154	146	34	83
Ni	2.24	2.24	1.95	4.7	0 U	0 U
Pb	0.74	1.06	1.51	5.2	0.769	1.34
Sb	0 U	0 U	0 U	0 U	0 U	0 U
Se	0 U	0 U	0 U	0.698	0.135	0 U
Si	20,900	32,900	57,600	62,400	15,200	30,100
Sn	0 U	0 U	0 U	0.524	0 U	0 U
Zn	4.58	8.15	27.2	26.5	3.37	5.19

Qualifiers (Q): B=Analyte detected in the procedural blanks greater than 3X MDL;
J=Below the MDL; U=Not detected

Appendix Q. Trace and major elements in Vieques sediments (µg/dry g) (continued).

Compound	126S4P	127S4P	128S4P	129S4P	136S5P	137S5P
Ag	0.0929	0.103	0.0991	0.0899	0.0814	0.104
Al	3,110	4,720 B	1,770	680	2,870	1,320
As	2.69	4.46	1.96	2.26	11.9	5.95
Cd	0 U	0 U	0 U	0 U	0 U	0 U
Cr	8.52	8.28	6.11	7.61	13	7.23
Cu	2.07	4.66	3.2	2.37	3.93	3.38
Fe	1,400	2,810 B	879	368	3,200	1,330
Hg	0 U	0 U	0 U	0 U	0 U	0 U
Mn	41.8	41.2 B	31.2	18	88.7	40.1
Ni	0 U	2.18	0 U	0 U	0 U	0 U
Pb	0.867	1.8	1.07	0.619	0.787	0.897
Sb	0 U	0 U	0 U	0 U	0.391	0 U
Se	0 U	0.123	0.116	0 U	0 U	0 U
Si	28,400	20,100	23,900	9,990	14,800	0 U
Sn	0 U	0 U	0 U	0 U	0 U	0 U
Zn	3.4	7.35	4.44	2.14	3.97	1.3

Qualifiers (Q): B=Analyte detected in the procedural blanks greater than 3X MDL;
J=Below the MDL; U=Not detected

Appendix R. Trace and major elements in coral (*Porites astreoides*) tissues (µg/dry g).

Compound	1N01	1N02	1N06	1S02	1S03	1S04
Ag	0.0183	0.0227	0.0112	0.0181	0 U	0.0106
Al	20.7	28.8	47.4	35.9	28.6	13.8
As	0 U	0 U	0 U	0 U	0 U	0 U
Cd	0.243	0 U	0.268	0 U	0 U	0.294
Cr	0 U	0 U	1.09	0 U	1.04	0 U
Cu	0 U	0 U	0 U	0 U	0 U	0 U
Fe	34.6	45.4	82.5	44.7	38.6	15.8
Hg	0 U	0 U	0.0021	0 U	0 U	0 U
Mn	2.51	3.22	5.23	4.5	2.52	1.02
Ni	8.09	1.12	1.89	0 U	4.6	0 U
Pb	0.0676	0.115	0.114	0.0991	0.0617	0.0642
Sb						
Se	0 U	0 U	0.247	0 U	0.179	0 U
Si						
Sn	0.123	0.189	0.324	0.205	0.232	0.188
Zn	2.31	3.87	3.16	1.75	1.67	2.15

Compound	1S05	1S07	1S10	1NEX1	1SEX1	1SEX2
Ag	0.0198	0.0104	0 U	0.0185	0.0328	0.0121
Al	89	20.9	10.3	40.5	103	102
As	0 U	0 U	0 U	0 U	0 U	0 U
Cd	0.24	0.268	0.255	0.261	0.278	0.215
Cr	0 U	0.845	0 U	0 U	0 U	0.529
Cu	0 U	0.684	0 U	0 U	0 U	0.481
Fe	124	33.5	11.5	29.8	526	159
Hg	0 U	0 U	0 U	0 U	0 U	0 U
Mn	4.52	2.63	1.21	1.57	8.24	5.58
Ni	0 U	0.739	0 U	1.58	0 U	0 U
Pb	0.0714	0.0657	0.0645	0.061	0.0776	0.12
Sb						
Se	0 U	0.201	0 U	0 U	0 U	0 U
Si						
Sn	0.237	0.379	0.216	0.312	0.369	0.293
Zn	3.7	1.12	1.34	5.3	5.43	4.03

Qualifiers (Q): J=Below the MDL; U=Not detected

Appendix R. Trace and major elements in coral (*Porites astreoides*) tissues (µg/dry g) (continued).

Compound	2S01	2S02	2S06	2NEX1	2SEX2	3N05
Ag	0.0261	0.0169	0 U	0.0223	0.0196	0.0302
Al	33.9	26.5	45.2	36.8	29.8	48.7
As	0 U	0 U	0 U	3.42	0 U	0 U
Cd	0.26	0.247	0.262	0.236	0 U	0.252
Cr	0 U	0 U	0 U	0 U	0 U	0 U
Cu	0 U	0 U	0 U	0.615	0 U	0.646
Fe	32.2	27.7	39.5	43.4	25.2	79.9
Hg	0 U	0 U	0 U	0 U	0 U	0 U
Mn	2.38	1.87	1.86	6.43	2.74	6.23
Ni	0 U	0 U	0 U	0 U	0 U	0 U
Pb	0.0869	0.0724	0.107	0.117	0 U	0.174
Sb						
Se	0 U	0 U	0.131	0 U	0.164	0 U
Si						
Sn	0.227	0.323	0.229	0.246	0.265	0.236
Zn	2.46	2.57	1.75	10.3	1.95	7.89

Compound	3N06	3S01	3S02	3S03	3S06	3S08
Ag	0.0273	0.0179	0 U	0 U	0 U	0 U
Al	23.7	10.9	6.93	7.66	4.24	4.51
As	0 U	0 U	0 U	0 U	0 U	0 U
Cd	0.223	0 U	0.223	0 U	0.278	0.274
Cr	0.936	0 U	0 U	0 U	0 U	0 U
Cu	0 U	0 U	0 U	0 U	0 U	0 U
Fe	52.7	12.3	11.5	8.31	6.11	5.19
Hg	0 U	0 U	0 U	0 U	0 U	0 U
Mn	1.29	1.21	1.71	0.801	1.04	0.906
Ni	0 U	0 U	0 U	0 U	0.667	0 U
Pb	0.0708	0 U	0.0614	0.0673	0 U	0.052
Sb						
Se	0 U	0.137	0.113	0.111	0.14	0 U
Si						
Sn	0.338	0.182	0.202	0.221	0.165	0.149
Zn	5.23	1.41	1.54	1.06	1.54	1.18

Qualifiers (Q): J=Below the MDL; U=Not detected

Appendix R. Trace and major elements in coral (*Porites astreoides*) tissues (µg/dry g) (continued).

Compound	3NEX1	4N03	4N06	4S04	4S06	5N01
Ag	0.0174	0.0224	0 U	0 U	0.0152	0.0106
Al	26.1	16.3	7.3	10.1	70.7	23.3
As	0 U	0 U	0 U	2.48	0 U	0 U
Cd	0 U	0.244	0.219	0.227	0.231	0.229
Cr	0 U	0 U	0 U	0.58	0 U	0 U
Cu	0 U	0 U	0 U	0 U	1.79	2.67
Fe	32.4	20.4	9.91	13.7	64	34.3
Hg	0 U	0 U	0 U	0.0013	0.0018	0 U
Mn	1.78	1.21	0.805	2.89	3.55	1.46
Ni	0 U	0 U	0 U	1.04	4.05	3.29
Pb	0.0766	0.0568	0 U	0.0776	0.117	0.137
Sb						
Se	0 U	0.17	0.154	0.155	0.338	0.169
Si						
Sn	0.22	0.157	0.169	0.237	0.396	0.267
Zn	3.33	1.6	1.75	1.64	15.2	4.98

Compound	5N04	5S01	5NEX1	101S2P(C)	137S5P(C)
Ag	0 U	0 U	0.0119	0.0206	0.0332
Al	15.5	7.91	18.6	34.7	26
As	0 U	2.53	0 U	0 U	0 U
Cd	0 U	0.254	0.281	0.279	0.262
Cr	0 U	0 U	0.76	0.629	0 U
Cu	1.95	2.71	6.51	5.19	3.25
Fe	23.6	8.59	25.1	39.1	31.9
Hg	0.0013	0 U	0.0016	0.0017	0 U
Mn	1.4	0.491	2.1	3.87	2.34
Ni	1.36	0.528	1.24	1.18	0 U
Pb	0.108	0 U	0.0671	0.0877	0.0905
Sb					
Se	0.119	0.199	0.222	0.283	0.13
Si					
Sn	0.241	0.185	0.311	0.311	0.273
Zn	1.94	1.61	4.66	4.18	4.53

Qualifiers (Q): J=Below the MDL; U=Not detected

Appendix S. Measurement of radioactivity in sediment samples from Vieques.

Site	01P	02P	07P	08P	16P	17P
Radioactivity at Site (mR/hr)	0.02	0.02	0	0	0.02	0.02
Radioactivity of Sample (mR/hr)	0.02	0.041	0	0.02	0.02	0

Site	18P	21P	22P	23P	26P	27P
Radioactivity at Site (mR/hr)	0.02	0	0	0	0.02	0.02
Radioactivity of Sample (mR/hr)	0	0.02	0	0	0.02	0.02

Site	28P	31P	32P	36P	37P	38P
Radioactivity at Site (mR/hr)	0.02	0	0.02	0.02	0.02	0
Radioactivity of Sample (mR/hr)	0	0.02	0.02	0.02	0.02	0

Site	41P	42P	43P	46P	47P
Radioactivity at Site (mR/hr)	0	0	0	0	0
Radioactivity of Sample (mR/hr)	0	0	0.02	0	0.02

Appendix T. *Clostridium perfringens* in sediment samples from Vieques.

Site	Sample composition	% water	% sediment	*Cperf* dry (CFU/g)
01P	watery shells	44.78	55.22	323
1N1P	white sand glass	36.62	63.38	0
02P	wet mud rocky	26.09	73.91	856
2N1P	sand + shells	52.29	47.71	0
3N1P	mud shells	48.08	51.92	0
4N1P	mud*	87.27	12.73	0
5N1P	wet sand	49.18	50.82	36
5NEX1	rocky sandy	24.47	75.53	0
6N1P	watery sandy shells	44.27	55.73	22
07P	watery black mud	80.00	20.00	379
08P	watery black mud	80.39	19.61	609
16N2P	dry mud	22.99	77.01	14
16P	grey mud	31.62	68.38	0
17N2P	sand*	81.73	18.27	52
17P	grey mud	39.56	60.44	19
18P	grey mud	48.65	51.35	0
19N2P	shells sand	27.47	72.53	0
21P	black mud	54.41	45.59	77
22N2P	sand + shells	19.19	80.81	0
22P	black mud	42.86	57.14	124
23P	watery black mud	65.15	34.85	150
26P	black sandy mud	35.29	64.71	45
27N2A	wet sand	25.27	74.73	366
27P	black mud	46.97	53.03	0
28N2A	dry sand	24.44	75.56	9
28P	black mud	56.07	43.93	0
31N3P	mud shells	48.08	51.92	4
31P	black mud	44.83	55.17	0
32N3P	fine sand*	57.50	42.50	107
32P	mud	46.55	53.45	0
33N3P	white sand	33.33	66.67	0
36P	mud	39.73	60.27	20
37N3P	fine sand	26.76	73.24	0
37P	mud	36.21	63.79	0
38N3P	shells sand	26.00	74.00	0
38P	dry mud	28.05	71.95	0
39N3P	white sand seaweed	33.33	66.67	0
40N3P	dry sand	22.50	77.50	0
41P	black watery mud	83.33	16.67	70
42P	watery black mud	72.06	27.94	0
43P	black watery mud	68.66	31.34	10
45N3A	mud	43.02	56.98	629
46P	black mucky mud	70.00	30.00	1063
47P	black watery mud	62.50	37.50	143

CFU = [(Mean *Clostridium* spores x 40)/volume assayed]/assay weight

* the samples were heat dried prior to receiving at the laboratory.

Appendix T. *Clostridium perfringens* in sediment samples from Vieques (continued).

Site	Sample composition	% water	% sediment	*Cperf* dry (CFU/g)
51N4P	wet sand + shells	21.98	78.02	2
52N4P	sand seaweed	32.08	67.92	14
52N4PX	mud	26.85	73.15	86
54N4P	white sand	29.85	70.15	0
57N4A	wet sand	20.00	80.00	0
66N5A	fine sand	19.79	80.21	0
67S1P	mud*	78.78	21.22	0
68S1P	watery black mud	78.18	21.82	196
69S1P	mud*	61.32	38.68	0
70S1P	mud*	31.94	68.06	0
71S1P	wet sand	35.96	64.04	3
72S1P	wet sand	23.66	76.34	0
73S1P	wet sand	19.79	80.21	0
78S1A	shells sand	21.18	78.82	0
87S2P	dry sand	24.64	75.36	23
88S2P	watery sand	56.06	43.94	23
89S2P	wet sandy shells	30.46	69.54	197
91S2P	mud*	85.29	14.71	0
92S2P	watery mud	77.46	22.54	56
96S2A	watery shells + debris	45.74	54.26	7
101S2P	shells sand	23.81	76.19	0
104S3P	black mud	77.59	22.41	2196
105S3P	watery sand	58.82	41.18	493
106S3P	wet sand	35.40	64.60	0
107S3P	shells sand	29.63	70.37	0
109S3P	sand + shells	49.21	50.79	150
110S3P	white watery shells	40.63	59.38	0
115S3A	sand*	88.73	11.27	130
126S4P	white sand	35.09	64.91	0
127S4P	sand	38.24	61.76	0
128S4P	white shells sand	32.52	67.48	0
129S4P	vry. watery shells, sand	37.50	62.50	0
136S5P	shells sand	17.86	82.14	0
137S5P	sandy shells	28.24	71.76	0

CFU = [(Mean *Clostridium* spores x 40)/volume assayed]/assay weight

* the samples were heat dried prior to receiving at the laboratory.