APPENDICES 1-23

Appendix 1. Location (GPS coordinates) and water quality parameters of sampling sites in Corpus Christi Bay National Estuary Program study.

Site	Latitude	Longitude	Salinity (‰) (Surface)	Salinity (‰) (Bottom)	DO (mg/L) (Surface)	DO (mg/L) (Bottom)	Secchi Depth (m)	Water Depth (m)	Temperature (Surface)	Temperature (Bottom)
REF[1]	27°53.75 N	97°02.67 W	28.0	na [2]	6.77	na [2]	>1.25	1.25	23.5	na [2]
1	27°51.71 N	97°29.13 W	39.5	na [2]	8.2	na [2]	0.2	0.6	26.5	na [2]
2	27°49.50 N	97°25.11 W	36.1	na [2]	7.0	7.0	0.75	0.75	30.9	31.0
3	27°49.30 N	97°26.20 W	36.3	36.4	6.29	5.96	1.5	3.0	24.3	na [2]
4	27°48.81 N	97°23.38 W	35.2	35.7	6.21	5.78	1.25	3.55	25.5	25.4
5	27°48.08 N	97°21.39 W	35.8	36.7	6.35	5.73	0.85	3.25	24.8	24.8
6	27°42.65 N	97°18.45 W	38.0	38.6	7.97	7.97	0.75	1.75	23.8	23.3
7	27°42.36 N	97°17.15 W	37.6	38.0	7.57	7.5	1.1	1.1	23.9	23.6
8	27°42.29 N	97°16.21 W	37.9	38.1	7.16	6.93	1.05	4.0	23.2	22.9
9	27°42.39 N	97°19.98 W	32.9	na [2]	14.71	na [2]	0.4	0.6	26.2	na [2]
10	27°44.61 N	97°09.65 W	39.2	39.6	5.64	5.37	1.2	1.75	26.2	26.2
11	27°50.30 N	97°13.68 W	32.4	33.0	6.76	6.62	1.5	2.4	24.0	23.9
12	27°52.23 N	97°15.06 W	33.3	33.4	7.06	6.97	1.65	3.25	24.1	24.1
13	27°38.20 N	97°14.28 W	39.9	40.0	6.72	6.74	0.65	0.65	26.7	26.7
S1	27°47.38 N	97°23.56 W	38.0	37.0	7.41	7.08	2.25	2.7	22.1	22.1
S2	27°46.31 N	97°23.23 W	38	38.0	7.13	7.02	1.0	1.35	22.6	22.4
S3	27°46.32 N	97°23.15 W	37.4	37.6	7.13	6.99	1.5	2.6	22.8	22.5
S4	27°46.38 N	97°22.97 W	36.9	37.6	7.11	6.87	1.3	3.5	22.7	22.7
S5	27°46.12 N	97°23.00 W	37.3	37.3	8.38	7.95	1.0	1.0	23.6	23.1
S6	27°45.86 N	97°22.80 W	37.4	37.4	7.66	7.66	1.4	1.4	23.1	23.1
S7	27°45.56 N	97°22.55 W	37.1	37.1	8.03	7.95	1.3	1.65	23.4	23.4
S8	27°45.04 N	97°22.44 W	37.4	37.4	8.04	8.02	1.3	1.3	23.3	23.3
S9	27°44.45 N	97°21.97 W	37.3	37.3	7.98	7.98	1.3	1.5	23.5	23.3
S10	27°43.88 N	97°21.21 W	37.5	37.6	6.74	6.73	1.35	1.35	22.9	22.9
S11	27°43.79 N	97°20.99 W	37.6	37.7	6.65	6.63	1.45	1.75	22.8	22.8
S12	27°43.48 N	97°20.58 W	37.6	37.6	7.11	7.07	1.05	1.05	23.0	23.0
S13	27°43.26 N	97°20.01 W	37.2	37.3	7.01	7.01	1.25	1.25	23.2	23.2

Appendix 1. (continued)

Site	Latitude	Longitude	Salinity (‰) (Surface)	Salinity (‰) (Bottom)	DO (mg/L) (Surface)	DO (mg/L) (Bottom)	Secchi Depth (m)	Water Depth (m)	Temperature (Surface)	Temperature (Bottom)
S14	27°43.08 N	97°19.54 W	37.8	38.1	7.29	7.22	1.25	1.25	23.2	23.2
S15	27°36.09 N	97°14.71 W	39.9	42.6	8.41	0.3	0.75	3.7	27.4	23.8
R1	27°50.92 N	97°28.20 W	39.5	39.6	6.17	6.0	0.15	1.75	25.3	25.2
R2	27°50.83 N	97°23.98 W	36.4	36.5	7.1	6.35	0.5	1.85	25.2	25.2
R3	27°49.33 N	97°21.09 W	34.8	35.0	7.2	6.84	1.1	4.75	23.7	23.6
R4	27°47.61 N	97°09.01 W	38.2	38.4	6.5	6.27	1.5	3.7	24.2	24.1
R5	27°42.73 N	97°10.75 W	38.2	38.3	6.3	6.2	1.0	3.05	24.4	27.3
R6	27°41.12 N	97°12.90 W	38.3	38.4	8.1	8.06	1.15	1.15	27.3	27.3
R7	27°41.33 N	97°15.06 W	40.1	40.1	7.03	7.02	0.65	2.0	27.2	27.2
R8	27°42.49 N	97°17.80 W	37.7	37.8	8.55	8.5	1.0	1.0	24.0	24.0

[1] Reference station in Redfish Bay, Texas.
[2] The water depth at this site was too shallow to warrant surface and bottom measurements.

Appendix 2. Probable Effects Level (PEL) Indices, total organic carbon, and grain size analysis of Corpus Christi Bay, Nueces Bay and surrounding area sediments.

Station	PEL Index	TOC [2] (% Dry weight)	Grain Size		
			Sand (%)	Silt (%)	Clay (%)
REF[1]	1.33	0.14	99.36	0.06	0.00
1	6.90	0.57	41.98	27.10	30.92
2	2.49	0.11	93.05	5.44	1.51
3	5.06	0.23	76.57	6.46	16.97
4	7.48	0.37	61.60	13.21	25.19
5	5.79	0.43	36.49	19.43	44.08
6	4.97	0.45	64.61	10.11	25.28
7	1.16	0.10	96.63	0.52	2.85
8	21.34	0.27	73.98	12.84	13.18
9	3.01	0.44	78.80	9.55	11.65
10	1.18	0.12	95.87	0.38	3.76
11	1.60	0.10	97.63	0.79	1.58
12	3.03	0.14	82.54	6.33	11.13
13	0.95	0.07	96.69	1.38	1.93
S1	39.30	1.66	5.10	43.50	51.40
S2	25.85	0.21	98.71	1.03	0.26
S3	4.09	1.86	93.53	1.97	4.50
S4	6.12	0.74	48.26	19.51	32.23
S5	1.74	0.16	99.74	0.26	0.00
S6	3.53	0.20	99.80	0.00	0.20
S7	2.36	0.19	99.33	0.22	0.45
S8	5.28	0.22	98.37	0.47	1.16
S9	249.64	0.38	93.67	4.92	1.41
S10	1.34	0.16	97.49	0.00	2.51
S11	1.10	0.11	91.08	3.29	5.63
S12	1.20	0.13	96.45	0.24	3.31
S13	1.14	0.11	97.54	0.67	1.79
S14	5.75	0.11	96.28	0.70	3.02
S15	2.62	0.46	71.77	10.34	17.89
R1	9.14	0.71	18.53	39.15	42.32
R2	6.43	0.30	63.54	11.41	25.05
R3	7.39	0.84	9.68	34.02	56.30
R4	4.71	0.46	60.64	12.25	27.11
R5	2.29	0.18	90.26	2.20	7.54
R6	2.10	0.03	97.53	0.21	2.26
R7	5.96	0.73	36.18	33.79	30.03
R8	2.52	0.34	57.76	10.94	31.30

[1]Reference sediment from Redfish Bay, Texas.

[2] Total organic carbon

Appendix 3. Sediment metal concentrations (μg/g dry weight) for Corpus Christi Bay, Nueces Bay and surrounding areas.

Station	As	Pb	Se	Hg	Al	Cu	Fe	Ni	Zn	Cd	Cr
REF[1]	ND	1.66*	ND	0.08*	928	0.78*	1733	2.17*	14.00	0.40	1.85
1	3.51	12.77	ND	0.19*	17204	8.63	12077	8.51	99.81	1.87	12.07
2	ND	3.66*	ND	0.09*	1494	2.14	1365	3.37*	32.01	0.61	2.41
3	0.61	15.72	ND	0.14*	10710	6.79	7532	7.62	54.36	1.09	10.16
4	0.34*	16.05	ND	0.20	12097	11.13	9525	10.15	110.93	1.39	10.14
5	2.76	12.93	ND	0.14*	22832	7.98	14839	13.81	95.17	1.63	16.01
6	2.44	9.19	ND	0.08*	13991	4.83	7767	9.73	38.42	1.99	8.92
7	ND	1.77*	ND	0.07*	543	0.69*	633	1.01*	5.19	0.34	2.30
8	ND	7.66	ND	0.08*	15377	6.05	10014	11.76	44.73	1.54	9.40
9	0.54	7.24	ND	0.08*	13475	4.88	7606	8.28	41.06	0.73	8.09
10	ND	1.91*	ND	0.08*	1527	1.33	1336	1.16*	13.18	0.25	1.91
11	ND	3.36*	ND	0.08*	1477	2.38	1387	1.92*	15.49	0.68	1.58
12	ND	7.20	ND	0.09*	7520	3.92	5902	6.81	30.96	0.86	5.65
13	ND	2.20*	ND	0.07*	828	0.15*	689	2.52*	8.71	0.05*	0.93*
S1	9.48	56.97	ND	0.33	40211	107.42	25431	21.06	301.35	3.04	33.97
S2	1.11	8.22	ND	0.09*	1656	1.77	1824	1.67*	24.44	0.81	2.35
S3	3.46	7.79	ND	0.09*	3608	2.35	3066	3.93*	20.69	0.92	3.71
S4	ND	14.19	ND	0.11*	19038	8.28	11166	10.82	65.52	1.22	13.23
S5	0.95	3.35*	ND	0.09*	887	1.08	1090	1.29*	12.17	0.31	1.39
S6	ND	3.15*	ND	0.07*	1107	1.18	1074	1.96*	10.78	0.28	2.17
S7	1.00	3.22*	ND	0.08*	1439	1.37	1332	2.22*	12.07	0.35	2.49
S8	ND	4.37*	ND	0.08*	1256	1.65	1381	2.03*	16.75	0.52	3.31
S9	ND	13.94	ND	0.08*	5817	3.32	4334	5.06	23.14	ND	6.82
S10	ND	2.73*	ND	0.10*	716	0.77*	929	0.86*	11.28	0.38	1.36
S11	ND	3.19*	ND	0.04*	1626	1.01	1539	1.51*	8.82	0.39	1.79
S12	ND	2.74*	ND	0.10*	2180	1.12	1780	1.25*	11.68	ND	2.18
S13	ND	2.55*	ND	0.07*	1219	1.14	1310	0.37*	8.84	0.42	1.77
S14	ND	0.70*	ND	0.05*	360	0.66*	6*	1.89*	12.29	0.38	0.51*
S15	0.46*	6.71	ND	0.11*	6408	6.75	5795	4.71	25.97	0.52	7.52
R1	3.56	16.53	ND	0.33	23896	11.06	16393	11.91	146.45	2.27	16.48
R2	1.36	13.90	ND	0.21	15823	7.68	10952	8.89	134.07	2.15	10.04
R3	3.55	16.98	ND	0.15*	22912	11.54	18864	17.53	112.69	2.27	15.28
R4	2.82	10.59	ND	0.10*	13057	6.79	11540	13.20	61.07	1.44	12.28
R5	ND	4.81*	ND	0.12*	3623	2.34	3172	4.45*	23.05	0.70	3.68
R6	ND	1.60*	ND	0.11*	824	1.15	898	8.97	8.79	0.64	3.74
R7	1.56	13.32	ND	0.15*	15993	10.16	12315	12.08	74.13	1.06	14.60
R8	ND	4.31*	ND	0.07*	6185	3.58	4310	6.40	21.61	1.14	4.97

[1] Reference sediment from Redfish Bay, Texas.
ND = Not Detected
* Below detection limit

Appendix 4. Sediment Polycyclic Aromatic Hydrocarbon concentrations (ng/g dry wt) for Corpus Christi Bay, Nueces bay and surrounding areas.

Station	Naphthalene	C1 Naphthalenes	C2 Naphthalenes	C3 Naphthalenes	C4 Naphthalenes	Biphenyl	Acenaphthylene	Acenaphthene	Fluorene
REF[1]	2.0*	1.1*	ND	ND	ND	0.3*	0.3*	0.4*	0.1*
1	9.1	9.3	17.7	ND	ND	2.3	9.0	2.0	2.7
2	1.2*	1.4*	ND	ND	ND	0.4*	0.7	1.1	1.3
3	5.5	5.1	ND	ND	ND	6.6	3.1	2.5	3.1
4	3.0*	2.7*	3.3	6.48	ND	0.8	8.0	1.3	1.5
5	2.8*	1.8*	ND	ND	ND	0.9	1.3	1.0	1.3
6	3.1*	1.8*	ND	ND	ND	0.5*	1.8	0.7*	1.1
7	2.2*	1.8*	ND	ND	ND	1.2	1.3	0.7	0.7*
8	3.1*	4.6	7.9	8.80	15.8	0.6	41.9	3.1	10.5
9	0.2*	1.0*	ND	ND	ND	0.1*	0.5*	0.4*	0.2*
10	1.1*	1.0*	ND	ND	ND	0.5	0.2*	0.4*	0.5*
11	0.8*	0.7*	ND	ND	ND	0.4*	0.1*	0.3*	0.5*
12	0.7*	0.5*	ND	ND	ND	0.7	2.2	0.2*	0.7
13	0.6*	0.4*	ND	ND	ND	0.4*	0.3*	0.4*	0.4*
S1	10.1	10.8	13.7	15.91	20.0	2.0	52.0	20.5	16.6
S2	9.1	11.3	8.4	7.10	8.3	2.0	1.6	53.5	55.3
S3	2.5*	2.0*	ND	ND	ND	0.5	1.2	0.7*	0.7*
S4	2.8*	4.3*	2.7	ND	ND	0.8	2.0	6.2	5.2
S5	2.1*	1.4*	ND	ND	ND	0.5	0.1*	0.1*	0.3*
S6	2.3*	2.5*	1.1*	ND	ND	0.8	0.3*	3.3	4.9
S7	2.3*	1.3*	ND	ND	ND	0.6	0.2*	0.4*	0.6*
S8	2.6*	1.1*	ND	ND	ND	0.5	0.2*	2.0	1.9
S9	73.2	152.1	243.3	249.61	ND	57.5	103.7	494.2	717.5
S10	0.9*	1.1*	ND	ND	ND	0.6	0.3*	0.7*	0.4*
S11	2.2*	0.7*	ND	ND	ND	0.7	0.2*	0.4*	0.9
S12	1.7*	1.0*	ND	ND	ND	0.3*	0.1*	0.5*	0.6*
S13	1.3*	0.7*	ND	ND	ND	0.4*	0.3*	0.3*	0.2*
S14	1.0*	1.0*	ND	ND	ND	0.4*	0.1*	0.6*	0.6*
S15	1.7*	1.5*	ND	ND	ND	0.7	1.7	0.7*	1.0
R1	7.0	15.1	18.7	28.53	19.1	2.1	1.9	1.1	2.2
R2	3.3*	4.7	ND	ND	ND	1.2	1.3	0.2*	1.1
R3	2.6*	3.7*	ND	ND	ND	0.1*	2.0	1.5	0.9*
R4	1.6*	0.8*	ND	ND	ND	0.4*	2.5	0.4*	0.9
R5	1.0*	1.2*	ND	ND	ND	0.5	0.7	0.3*	0.5*
R6	0.8*	0.9*	ND	ND	ND	0.3*	0.2*	0.7	0.4*
R7	2.1*	1.8*	ND	ND	ND	1.6	3.8	0.9*	1.5
R8	0.7*	0.2*	0.3*	0.83*	0.4*	0.2*	0.1*	0.1*	0.2*

Appendix 4. (continued)

Station	C1 Fluorenes	C2 Fluorenes	C3 Fluorenes	Phen-anthrene	Anthracene	C1-Phenanthrenes Anthracenes	C2-Phenanthrenes Anthracenes	C3-Phenanthrenes Anthracenes	C4-Phenanthrenes Anthracenes	Low MW PAHs [2]
REF[1]	ND	ND	ND	0.4*	0.1*	ND	ND	ND	ND	3.26
1	7.4	ND	36.3	10.7	7.6	16.1	19.2	32.7	35.9	41.21
2	ND	ND	ND	9.6	3.8	5.4	4.5	3.6	1.5	17.79
3	1.7	ND	ND	17.4	7.2	9.4	12.5	12.2	12.3	38.77
4	ND	ND	ND	14.0	16.7	12.1	15.0	11.7	7.7	44.46
5	ND	ND	ND	3.2	3.1	5.6	5.0	8.1	7.4	12.69
6	ND	ND	ND	5.2	4.3	3.3	3.0	ND	ND	16.13
7	ND	ND	ND	1.0*	0.5*	ND	ND	ND	ND	6.36
8	11.9	14.4	23.6	153.1	98.0	115.4	76.2	42.8	11.7	309.57
9	ND	ND	ND	1.4	0.3*	ND	ND	ND	ND	2.96
10	ND	ND	ND	2.4	1.1	ND	ND	ND	ND	5.58
11	ND	ND	ND	0.8*	0.3*	ND	ND	ND	ND	2.83
12	ND	ND	ND	1.8	3.3	ND	ND	ND	ND	8.87
13	ND	ND	ND	0.5*	0.5*	ND	ND	ND	ND	2.68
S1	10.7	20.8	41.4	187.8	98.4	73.4	70.1	57.9	39.7	385.40
S2	13.4	8.0	18.7	460.0	136.7	102.5	47.7	31.9	11.5	716.07
S3	ND	ND	ND	5.8	2.5	3.8	5.3	4.9	1.6	13.34
S4	2.2	ND	ND	29.9	11.1	11.1	10.0	6.1	4.9	57.18
S5	0.74	ND	ND	0.9*	0.7*	ND	ND	ND	ND	4.28
S6	1.5	ND	ND	41.0	10.3	11.2	6.0	6.0	2.0	62.23
S7	ND	ND	ND	0.6*	0.3*	1.7	ND	ND	ND	4.37
S8	0.9*	ND	12.6	12.2	2.7	5.7	7.1	12.1	7.5	21.55
S9	135.9	ND	ND	7355.6	2561.8	1175.9	482.2	ND	ND	11305.88
S10	ND	ND	ND	0.6*	0.2*	ND	ND	ND	ND	3.07
S11	ND	ND	ND	0.5*	0.4*	ND	ND	ND	ND	4.63
S12	ND	ND	ND	0.4*	ND	ND	ND	ND	ND	3.62
S13	ND	ND	ND	0.6*	0.3*	ND	ND	ND	ND	2.99
S14	ND	ND	ND	3.0	0.4*	ND	ND	ND	ND	5.84
S15	ND	ND	ND	3.1	2.4	5.4	8.8	5.2	3.5	10.65
R1	5.0	11.8	14.4	14.7	7.6	26.7	31.3	23.5	15.3	34.34
R2	ND	ND	ND	4.0	2.7	5.6	6.7	5.5	4.0	12.60
R3	ND	ND	ND	5.2	3.9	5.3	6.8	ND	ND	16.01
R4	ND	ND	ND	2.0	1.9	ND	ND	ND	ND	9.28
R5	ND	ND	ND	1.3	1.1	ND	ND	ND	ND	4.80
R6	ND	ND	ND	0.3*	0.2*	ND	ND	ND	ND	2.62
R7	ND	ND	ND	6.4	6.9	5.9	6.8	7.6	5.7	21.66
R8	0.2*	0.4*	ND	0.5*	0.4*	0.4*	0.6*	0.2*	0.1*	1.90

Appendix 4. (continued)

Station	Dibenzo-thiophene	C1-Dibenzo-thiophenes	C2-Dibenzo-thiophenes	C3-Dibenzo-thiophenes	Fluoranthene	Pyrene	C1-Fluoranthenes Pyrenes	Benzo(a) anthracene	Chrysene
[illegible]	0.2*	ND	ND	ND	0.2*	0.4*	ND	0.1*	0.1*
1	2.3	5.2	10.1	12.6	42.3	40.0	36.9	23.8	18.6
2	0.8	1.5	0.0	0.0	30.1	25.0	12.4	14.7	9.6
3	2.6	3.8	4.7	10.8	34.5	33.7	25.5	19.6	21.0
4	1.0	2.4	3.2	5.6	58.2	55.6	36.9	48.1	41.4
5	0.4*	ND	ND	ND	10.0	12.9	7.0	5.6	5.7
6	0.9	ND	ND	ND	26.3	25.7	10.2	14.2	15.9
7	0.2*	ND	ND	ND	1.5	1.6	ND	0.4	0.3*
8	11.4	11.9	9.5	12.0	937.6	674.7	342.8	395.0	398.0
9	0.6	ND	ND	ND	5.1	4.3	2.0*	2.3	3.4
10	0.3*	ND	ND	ND	4.7	3.5	2.4*	1.4	1.7
11	0.1*	ND	ND	ND	1.2*	1.1*	ND	0.8	1.0
12	0.3*	ND	ND	ND	5.5	4.7	5.1	4.3	5.1
13	0.2*	ND	ND	ND	1.6	1.3*	ND	0.4	0.5*
S1	10.5	6.2	13.4	23.2	592.2	577.0	240.5	369.9	449.9
S2	22.6	12.1	9.0	10.8	648.6	539.6	219.1	382.1	305.8
S3	0.3*	ND	ND	ND	33.1	29.6	13.4	21.4	21.7
S4	2.1	1.4	ND	ND	51.8	43.4	20.5	27.4	27.4
S5	0.2*	ND	ND	ND	2.8	2.2	1.3*	1.3	1.7
S6	2.4	1.6	2.3	ND	66.9	48.9	19.3	28.7	29.2
S7	0.3*	ND	ND	ND	2.1	2.2	1.4*	1.0	1.2
S8	1.1	1.9	4.1	10.2	40.5	32.1	15.6	17.5	21.9
S9	502.7	ND	ND	ND	10444.6	8504.8	1907.4	3338.9	3053.2
S10	0.1*	ND	ND	ND	2.0	1.5*	ND	1.1	1.4
S11	0.3*	ND	ND	ND	2.8	1.9	ND	0.5	0.4*
S12	0.1*	ND	ND	ND	0.9*	0.7*	ND	0.3	0.2*
S13	0.1*	ND	ND	ND	1.8	1.4*	ND	1.2	1.5
S14	0.4*	ND	ND	ND	6.4	5.3	ND	1.9	2.9
S15	0.8	ND	ND	ND	14.9	11.4	6.2	2.7	5.5
R1	4.8	17.1	30.2	24.1	32.0	43.6	37.9	32.6	32.4
R2	0.7	2.5	5.4	7.7	10.0	9.9	9.7	8.2	6.7
R3	0.9	ND	ND	ND	16.0	15.3	6.1	7.9	8.7
R4	0.1*	ND	ND	ND	7.9	9.0	6.1	4.8	3.4
R5	0.3*	ND	ND	ND	3.2	3.0	3.0	1.2	1.6
R6	0.3*	ND	ND	ND	0.4*	0.6*	ND	0.1*	0.2*
R7	0.7	ND	ND	ND	28.2	25.2	12.8	16.3	17.4
R8	0.1*	0.1*	0.2*	ND	1.7	1.6*	0.7*	0.5	0.6*

Appendix 4. (continued)

Station	C1 Chrysenes	C2 Chrysenes	C3 Chrysenes	C4 Chrysenes	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(e) pyrene	Benzo(a) pyrene	Perylene	Indeno (1,2,3-c,d) pyrene
REF[1]	ND	ND	ND	ND	0.2*	0.2*	0.1*	0.1*	0.2*	0.0*
1	30.8	25.3	3.5	10.7	37.8	12.8	22.4	29.6	7.5	22.4
2	7.5	7.0	ND	2.4	16.9	6.6	8.3	13.4	3.7	10.2
3	22.7	24.8	2.3	4.8	33.9	12.8	18.8	27.8	7.1	21.3
4	32.4	24.3	1.6*	7.2	83.8	32.6	39.3	55.4	13.0	43.1
5	6.1	7.4	0.8*	1.7*	12.0	3.9	7.2	7.9	4.4	7.1
6	7.6	4.5	ND	1.0*	29.3	7.4	13.4	19.0	4.8	18.0
7	ND	ND	ND	ND	0.5*	0.1*	0.3*	0.4*	0.4*	0.1*
8	186.8	76.5	2.1*	23.5	557.4	254.3	263.3	427.4	72.8	319.4
9	2.2	ND	ND	0.7*	6.5	2.3	3.5	3.4	1.1	5.0
10	ND	ND	ND	ND	2.6	1.1	1.4	1.7	0.8*	1.4
11	ND	ND	ND	ND	1.2*	0.7*	0.7*	0.8*	0.4*	0.4
12	4.0	3.4	ND	ND	9.8	3.8	4.9	5.6	2.3	5.6
13	ND	ND	ND	ND	0.6*	0.6*	0.6*	0.6*	0.9	0.5
S1	229.2	106.6	7.0	33.0	900.3	276.5	418.2	529.6	109.0	483.8
S2	148.5	55.3	2.3	14.2	487.5	150.1	219.4	363.9	65.2	268.4
S3	10.4	5.7	0.6*	1.0*	36.9	15.1	18.2	25.6	6.0	26.6
S4	14.5	8.3	0.6*	2.0*	45.8	18.0	22.6	33.5	9.8	34.3
S5	1.1*	1.2*	ND	ND	3.1	1.2	1.6	2.0	0.5*	2.3
S6	13.4	7.6	0.5*	2.4	45.0	15.0	21.4	31.7	6.8	27.9
S7	1.0*	2.4	0.7*	0.8*	3.0	0.7*	1.6	1.3	0.4*	1.5
S8	12.2	12.0	2.4	1.8*	35.2	13.4	17.8	23.3	5.0	20.2
S9	758.5	319.2	ND	72.6	3603.7	1840.5	1829.1	3646.9	859.2	2497.5
S10	ND	ND	ND	ND	2.3	0.6*	1.1	1.6	0.5*	1.1
S11	ND	ND	ND	ND	0.7*	0.3*	0.4*	0.3*	0.2*	0.4
S12	ND	ND	ND	ND	0.5*	0.2*	0.3*	0.2*	0.1*	0.3*
S13	ND	ND	ND	ND	2.9	1.2	1.6	1.7	0.6*	2.0
S14	ND	ND	ND	ND	3.2	1.2	1.9	2.3	1.0	1.8
S15	3.1	3.2	ND	ND	6.6	3.0	3.9	3.8	2.0	3.6
R1	79.0	71.2	6.6	40.1	40.4	10.1	33.3	42.4	10.3	26.9
R2	13.7	15.9	1.2*	5.7	10.8	3.9	8.1	9.7	2.7	7.8
R3	8.5	6.1	ND	2.3*	15.1	6.2	8.0	11.1	4.6	10.0
R4	3.6	4.0	ND	ND	7.5	3.3	4.5	5.8	2.3	5.6
R5	ND	ND	ND	ND	3.0	1.9	2.0	2.1	1.2	2.1
R6	ND	ND	ND	ND	0.2*	0.3*	0.3*	0.1*	0.2*	0.2*
R7	13.9	8.0	1.4*	2.7*	38.8	12.1	19.3	23.0	5.4	20.9
R8	0.4*	0.6*	ND	ND	0.8*	0.2*	0.4*	0.4*	6.7	0.3*

Appendix 4. (continued)

Station	Dibenzo(a,h) anthracene	Benzo(g,h,i) perylene	High MW PAHs [3]	1-Methyl naphthalene	2-Methyl naphthalene	2,6-Dimethyl naphthalene	1,6,7-Trimethyl naphthalene	1-Methyl phenanthrene
REF[1]	0.1*	0.0*	1.1	0.7*	0.4*	ND	ND	0.2*
1	5.4	22.6	159.6	2.3	7.0	3.4	ND	3.6
2	2.0	8.0	94.9	0.8*	0.6*	ND	ND	1.1
3	4.4	19.2	141.0	2.0	3.1	ND	ND	2.7
4	8.1	35.9	266.8	1.2*	1.5*	1.1	0.5	2.2
5	1.3	7.0	43.4	0.6*	1.2*	ND	ND	0.8
6	3.1	15.6	104.2	0.8*	1.0*	ND	ND	0.8
7	0.3*	0.2*	4.4	0.6*	1.1*	ND	ND	0.9
8	69.6	245.8	2902.3	2.1	2.5*	1.9	1.2	24.3
9	0.7*	3.6	19.2	0.2*	0.8*	ND	ND	0.2*
10	0.2*	1.1*	13.1	0.6*	0.5*	ND	ND	0.2*
11	0.1*	0.4*	5.0	0.5*	0.3*	ND	ND	0.3*
12	1.0	4.4	26.2	0.2*	0.2*	ND	ND	0.2*
13	0.1*	0.5*	4.5	0.2*	0.2*	ND	ND	0.1*
S1	98.3	390.1	2616.8	4.5	6.3	4.5	1.1	17.0
S2	64.8	203.2	2304.8	5.1	6.2	2.5	1.4	23.7
S3	4.8	21.2	136.3	1.0*	1.0*	ND	ND	0.8
S4	6.3	28.4	189.7	2.4	2.0*	ND	ND	2.9
S5	0.6*	2.1	10.6	0.7*	0.7*	ND	ND	0.3*
S6	6.2	23.8	211.6	0.8*	1.7*	0.5	ND	2.6
S7	0.3*	2.1	8.1	0.4*	0.9*	ND	ND	0.1*
S8	4.6	17.2	140.0	0.4*	0.8*	ND	ND	1.5
S9	437.5	2252.3	29425.9	103.2	48.9	35.0	77.2	207.8
S10	0.3*	1.2*	8.0	0.5*	0.6*	ND	ND	0.1*
S11	0.2*	0.4*	6.2	0.4*	0.3*	ND	ND	0.2*
S12	0.2*	0.4*	2.4	0.8*	0.3*	ND	ND	0.1*
S13	0.5*	1.8	8.0	0.3*	0.4*	ND	ND	0.1*
S14	0.3*	1.8*	19.1	0.3*	0.7*	ND	ND	0.6
S15	0.7*	3.3	39.0	0.4*	1.2*	ND	ND	0.9
R1	12.4	34.6	195.3	4.7	10.4	5.1	2.5	6.7
R2	2.8	8.8	47.3	1.7	3.0	ND	ND	1.3
R3	2.0	8.8	60.9	2.2	1.5*	ND	ND	0.8
R4	1.2	5.0	32.2	0.4*	0.4*	ND	ND	0.1*
R5	0.3*	2.0	11.4	0.8*	0.4*	ND	ND	0.3
R6	0.1*	0.1*	1.5	0.3*	0.6*	ND	ND	0.3
R7	3.8	18.4	114.0	1.0*	0.8*	ND	ND	1.5
R8	0.0*	0.3*	4.8	0.1*	0.1*	0.1*	ND	0.1*

Appendix 4. (continued)

Station	Total PAHs with Perylene	Total PAHs without Perylene	Total NS&T PAHs [4]
REF[1]	6.6	6.4	6.0
1	620.4	613.0	232.8
2	214.6	210.9	126.9
3	454.3	447.2	216.9
4	733.4	720.3	362.5
5	150.0	145.6	70.0
6	241.7	236.9	140.0
7	15.5	15.2	14.0
8	5935.0	5862.2	3537.5
9	50.9	49.8	27.5
10	31.0	30.2	22.3
11	13.0	12.6	10.3
12	79.8	77.5	41.5
13	11.9	11.0	9.3
S1	6626.2	6517.2	3511.9
S2	5179.6	5114.4	3343.5
S3	323.2	317.3	176.0
S4	497.3	487.5	285.2
S5	31.5	31.0	19.0
S6	494.3	487.4	308.0
S7	32.0	31.7	16.3
S8	379.1	374.1	187.3
S9	59670.9	58811.7	43768.7
S10	19.7	19.2	14.2
S11	15.0	14.8	12.8
S12	9.0	8.8	7.4
S13	22.3	21.7	14.1
S14	37.8	36.8	29.9
S15	110.4	108.4	56.9
R1	907.7	897.4	300.3
R2	192.2	189.5	76.6
R3	169.4	164.9	92.1
R4	84.7	82.4	47.1
R5	33.4	32.2	20.6
R6	7.0	6.8	6.1
R7	319.5	314.1	161.6
R8	21.4	14.7	14.3

[1]Reference sediment from Redfish Bay, Texas: ND = Not detected : * = Below detection limit

[2] Sum of the following PAHs: Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, 2-Methylnaphthalene, and Phenanthrene.

[3] Sum of the following PAHs: Benx(a)anthracene, Benzo(a)pyrene, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, and Pyrene.

[4] Sum of Low Molecular Wt. and High Molecular Wt. PAHs as listed above.

Appendix 5. Sediment DDT and DDT degradation product concentrations (ng/g) in Corpus Christi Bay, Nueces Bay and surrounding areas.

Station	2,4' DDE	4,4' DDE	2,4' DDD	4,4' DDD	2,4' DDT	4,4' DDT	Total DDTs
REF[1]	ND	ND	ND	ND	ND	ND	0.00
1	ND	0.09*	0.74	0.04*	ND	ND	0.87
2	ND	0.01*	0.44	ND	ND	ND	0.45
3	ND	0.02*	0.89	ND	ND	ND	0.91
4	ND	0.23	1.59	0.12	ND	0.02*	1.96
5	ND	0.08*	0.16*	ND	ND	ND	0.24
6	ND	0.27	0.54	0.08*	ND	ND	0.88
7	ND	ND	ND	ND	ND	ND	0.00
8	ND	ND	24.16	0.15	ND	ND	24.31
9	ND	0.12	ND	0.07*	ND	ND	0.20
10	ND	ND	ND	ND	ND	ND	0.00
11	ND	ND	ND	ND	ND	ND	0.00
12	ND	ND	0.17*	0.03*	0.05*	ND	0.24
13	ND	ND	ND	ND	ND	ND	0.00
S1	ND	1.90	11.57	0.71	0.42	0.36	14.96
S2	ND	1.20	15.81	1.48	0.25	1.58	20.33
S3	ND	0.37	1.28	0.12	ND	0.04*	1.80
S4	ND	0.27	1.58	0.04*	ND	0.05*	1.94
S5	ND	0.14	ND	0.08*	0.01*	0.13*	0.36
S6	ND	0.24	1.93	0.12	ND	0.07*	2.37
S7	ND	0.28	0.06*	0.18	0.02*	0.21	0.76
S8	ND	0.90	1.14	0.42	0.15	0.32	2.94
S9	ND	2.90	25.80	2.33	ND	0.42	31.45
S10	ND	0.04*	0.05*	0.02*	ND	ND	0.11
S11	ND	0.02*	ND	ND	ND	ND	0.02
S12	ND	0.04*	0.06*	ND	ND	ND	0.10
S13	ND	0.01*	ND	ND	ND	ND	0.01
S14	ND	ND	0.22*	0.64	0.70	0.03*	1.59
S15	ND	0.03*	0.04*	ND	ND	ND	0.07
R1	ND	0.07*	1.14	0.03*	ND	ND	1.24
R2	ND	0.03*	0.26*	ND	ND	ND	0.29
R3	ND	0.03*	0.28*	0.04*	ND	ND	0.35
R4	ND	0.02*	0.17	ND	ND	ND	0.19
R5	0.03*	0.02*	ND	ND	ND	ND	0.04
R6	ND	ND	ND	ND	ND	ND	0.00
R7	0.03*	1.07	0.62	0.29	0.10*	0.40	2.51
R8	0.08*	0.04*	0.01*	0.01*	ND	0.01*	0.16

[1] Reference sediment from Redfish Bay, Texas
ND = Not detected
* Below detection limit

Appendix 6. Sediment chlordane concentrations (ng/g) for Corpus Christi Bay, Nueces Bay and surrounding areas.

Station	Heptachlor	Heptachlor Epoxide	Oxychlor-dane	Gamma Chlordane	Alpha Chlordane	Trans-Nonachlor	Cis-Nonachlor	Total Chlordane's
REF[1]	ND	ND	ND	ND	ND	ND	ND	0.00
1	ND	ND	ND	ND	ND	ND	ND	0.00
2	ND	ND	ND	0.00*	ND	ND	ND	0.00
3	ND	0.02*	ND	0.02*	ND	ND	0.01*	0.05
4	0.01*	ND	0.02*	0.10*	0.06*	0.06*	0.06*	0.31
5	ND	ND	ND	ND	ND	ND	ND	0.00
6	ND	ND	0.03*	0.08*	0.07*	0.05*	0.04*	0.26
7	ND	ND	ND	ND	ND	ND	ND	0.00
8	ND	ND	0.41	ND	ND	ND	ND	0.41
9	ND	ND	ND	0.06*	0.04*	0.03*	0.02*	0.15
10	ND	ND	ND	ND	ND	ND	ND	0.00
11	ND	ND	ND	ND	ND	ND	ND	0.00
12	ND	ND	ND	ND	ND	ND	0.05*	0.05
13	ND	ND	ND	ND	ND	ND	ND	0.00
S1	ND	ND	0.21	1.42	1.02	0.92	0.81	4.37
S2	ND	ND	0.15	0.98	0.76	0.60	0.23	2.72
S3	ND	ND	0.05*	0.48	0.19	0.29	0.14	1.15
S4	ND	ND	ND	0.11*	0.06*	0.05*	0.04*	0.26
S5	ND	ND	0.08*	0.18*	0.08*	0.08*	0.03*	0.45
S6	ND	ND	0.04*	0.32	0.21	0.19	0.08	0.84
S7	ND	ND	ND	0.39	0.21	0.26	0.10	0.96
S8	0.01*	0.02*	0.04*	1.08	0.77	0.67	0.31	2.89
S9	0.01*	0.18	ND	0.36	2.71	2.00	0.75	6.01
S10	ND	ND	ND	ND	0.04*	0.04*	ND	0.07
S11	ND	ND	ND	ND	0.01*	0.01*	ND	0.03
S12	ND	ND	ND	0.04*	0.03*	0.03*	0.01*	0.10
S13	ND	ND	ND	ND	ND	ND	ND	0.00
S14	ND	ND	0.14	ND	ND	ND	0.65	0.79
S15	ND	ND	ND	ND	ND	ND	ND	0.00
R1	ND	ND	ND	ND	ND	ND	ND	0.00
R2	ND	ND	ND	ND	ND	ND	ND	0.00
R3	ND	ND	ND	ND	ND	ND	0.03*	0.03
R4	ND	0.03*	ND	ND	ND	ND	ND	0.03
R5	0.01*	ND	ND	0.01*	ND	ND	0.03*	0.04
R6	ND	ND	ND	ND	ND	ND	ND	0.00
R7	ND	ND	ND	0.06*	0.05*	0.02*	0.02*	0.16
R8	0.01*	0.06*	ND	0.03*	0.03*	0.01*	ND	0.14

[1] Reference sediment from Redfish Bay, Texas.
ND = Not detected
* Value below detection limit

Appendix 7. Sediment pesticide concentrations (ng/g) for Corpus Christi Bay, Nueces Bay and surrounding areas.

Station	1,2,4,5 Tetrachlorobenzene	1,2,3,4 Tetrachloro-benzene	Pentachloro-benzene	Pentachloroanisole	Hexachloro-benzene	Alpha HCH	Beta HCH	Gamma HCH	Delta HCH	Total HCH's
REF[1]	ND	ND	0.01*	0.01*	ND	ND	0.07*	0.02*	ND	0.09
1	1.02*	0.04*	0.05*	0.02*	0.01*	ND	0.10*	0.02*	ND	0.11
2	0.26*	0.01*	0.00*	0.01*	ND	ND	0.05*	ND	ND	0.05
3	0.33*	0.01*	0.01*	0.01*	0.02*	ND	0.08*	ND	0.02	0.10
4	0.27*	0.17*	ND	0.03*	0.02*	0.02*	0.01*	0.02*	0.04*	0.09
5	0.52*	0.04*	ND	0.02*	0.03*	ND	0.08*	ND	ND	0.08
6	ND	0.10*	0.04*	0.02*	0.01*	ND	0.17*	0.00*	ND	0.17
7	0.02*	ND	ND	0.02*	ND	ND	0.05*	ND	ND	0.05
8	0.08*	ND	0.01*	0.02*	ND	0.22*	0.24*	ND	ND	0.46
9	0.49*	0.11*	ND	0.04*	ND	0.02*	0.20*	ND	0.04*	0.26
10	0.24*	ND	0.01*	0.01*	0.01*	ND	0.08*	ND	ND	0.08
11	0.21*	ND	ND	0.01*	ND	ND	0.09*	ND	ND	0.09
12	0.20*	0.01*	0.00*	0.01*	0.09*	ND	0.03*	ND	ND	0.03
13	0.45*	0.14*	ND	0.03*	ND	ND	ND	ND	0.03*	0.03
S1	ND	0.35*	0.27*	0.06*	0.05*	ND	0.96	ND	0.06*	1.02
S2	0.14*	0.07*	0.06*	0.00*	0.04*	ND	ND	ND	ND	0.00
S3	ND	0.02*	ND	0.02*	ND	ND	0.16*	0.01*	0.00*	0.17
S4	0.08*	0.11*	0.07*	0.02*	ND	ND	0.47	ND	ND	0.47
S5	ND	0.06*	ND	0.01*	ND	ND	0.33	ND	ND	0.33
S6	0.05*	0.03*	0.01*	0.01*	0.00*	ND	ND	ND	ND	0.00
S7	0.12*	0.03*	0.01*	0.01*	0.02*	ND	0.01*	ND	ND	0.01
S8	ND	0.01*	0.01*	0.03*	0.01*	ND	ND	ND	ND	0.00
S9	0.49*	0.28*	0.03*	0.05*	0.01*	ND	ND	ND	ND	0.00
S10	ND	ND	ND	0.01*	ND	ND	ND	ND	ND	0.00
S11	0.08*	0.03*	0.09*	0.01*	ND	ND	0.35	0.00*	ND	0.35
S12	ND	ND	0.02*	0.01*	ND	ND	0.11*	ND	ND	0.11
S13	ND	ND	0.01*	0.01*	ND	ND	0.07*	ND	ND	0.07
S14	0.02*	ND	ND	0.01*	0.01*	ND	ND	ND	ND	0.00
S15	0.47*	0.11*	ND	0.02*	0.08*	0.02*	0.11*	ND	0.06*	0.19
R1	0.53*	0.07*	0.02*	0.03*	ND	0.03*	0.21*	0.03*	0.03*	0.29
R2	0.28*	0.02*	0.00*	0.01*	0.01*	0.01*	0.10*	ND	0.02*	0.13
R3	0.46*	0.06*	0.02*	0.03*	0.01*	ND	0.20*	0.03*	0.02*	0.25
R4	0.20*	ND	0.02*	0.01*	0.11*	ND	ND	ND	ND	0.00
R5	0.25*	0.02*	0.01*	0.02*	0.01*	ND	0.14*	ND	ND	0.14
R6	0.25*	ND	0.00*	0.01*	ND	ND	ND	ND	ND	0.00
R7	0.30*	0.03*	0.00*	0.03*	0.07*	ND	ND	ND	0.01*	0.01
R8	2.29	0.91*	0.13*	0.03*	ND	ND	0.02*	0.01*	ND	0.04

Appendix 7. (continued)

Station	Chlorpyrifos	Dicofol	Aldrin	Dieldrin	Endrin	Mirex	Endosulfan II
REF[1]	ND	ND	ND	ND	0.14	0.00	ND
1	ND	0.23	ND	ND	ND	ND	0.05*
2	ND	ND	ND	ND	ND	ND	ND
3	ND	0.19	ND	ND	ND	ND	0.02*
4	ND	0.50	ND	0.03	ND	ND	0.07*
5	ND	ND	ND	ND	0.11	ND	ND
6	ND	ND	ND	0.01*	0.33	ND	0.04*
7	ND	ND	ND	ND	0.35	ND	0.05*
8	0.03	1.94	ND	0.70	0.50	ND	0.13
9	ND	ND	ND	0.04*	ND	ND	ND
10	ND	ND	0.01*	ND	ND	ND	ND
11	ND	ND	ND	ND	ND	ND	ND
12	ND	ND	ND	ND	ND	ND	ND
13	ND	ND	ND	ND	0.08	ND	ND
S1	0.51	1.78	ND	0.56	ND	ND	ND
S2	0.16	0.80	ND	0.31	ND	ND	0.16
S3	ND	ND	ND	0.01*	ND	ND	ND
S4	ND	ND	ND	0.09	ND	ND	ND
S5	ND	ND	ND	0.02*	ND	ND	ND
S6	ND	0.10	ND	0.07	0.32	ND	0.04**
S7	ND	ND	ND	0.05*	ND	ND	0.03
S8	0.26	0.14	ND	0.40	ND	ND	ND
S9	ND	1.20	ND	2.08	ND	ND	0.50
S10	ND	ND	ND	0.01*	0.61	ND	0.01*
S11	ND	ND	ND	ND	ND	ND	0.02*
S12	ND	ND	ND	ND	0.19	ND	0.01*
S13	ND	ND	ND	ND	0.13	ND	0.01**
S14	ND	ND	ND	ND	ND	ND	ND
S15	ND	ND	ND	ND	0.07	ND	ND
R1	ND	0.38	ND	ND	ND	ND	ND
R2	ND	0.06	ND	ND	ND	ND	ND
R3	ND	ND	ND	ND	ND	ND	0.05*
R4	ND	ND	ND	ND	ND	ND	ND
R5	ND	ND	ND	ND	ND	ND	ND
R6	ND	ND	ND	ND	ND	ND	ND
R7	ND	ND	ND	ND	ND	ND	ND
R8	ND	ND	0.02*	ND	0.13	ND	ND

[1] Reference Sediment from Redfish Bay, Texas
ND = Not Detected
* = Below detection limit

Appendix 8. Sediment PCB congener concentrations (ng/g dry wt.) for Corpus Christi Bay, Nueces Bay and surrounding areas.

Sample	PCB 7/9	PCB 8/5	PCB 18/17	PCB 15	PCB 24/27	PCB 16/32	PCB 29	PCB 26	PCB 25	PCB 31
REF[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01 *
1	0.12 *	0.02 *	ND	0.06 *	0.05 *	ND	ND	ND	ND	0.06 *
2	ND	ND	0.02 *	ND	ND	ND	ND	ND	ND	0.03 *
3	ND	ND	0.16 *	ND	ND	0.15 *	ND	0.01 *	ND	0.03 *
4	0.51	ND	0.13 *	ND	ND	0.04 *	ND	ND	0.07 *	0.11 *
5	0.11 *	ND	ND	ND	ND	0.05 *	ND	ND	ND	0.05 *
6	ND	ND	0.09 *	ND	ND	0.06 *	ND	0.03 *	ND	0.03 *
7	ND	0.02 *	ND	ND	ND	ND	ND	ND	ND	ND
8	ND	ND	1.93	ND	ND	0.18 *	ND	ND	ND	ND
9	0.28	ND	ND	ND	ND	0.16 *	ND	ND	0.03 *	0.05 *
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02 *
11	ND	ND	ND	0.03 *	ND	ND	ND	ND	ND	0.02 *
12	ND	0.01 *	ND	ND	ND	ND	ND	ND	ND	0.03 *
13	0.27	ND	ND	ND	ND	0.09 *	ND	ND	0.02 *	0.02 *
S1	0.60	ND	0.25 *	0.46	ND	0.45	ND	0.55	0.21 *	0.33 *
S2	0.04 *	ND	ND	0.63	ND	0.09 *	0.03 *	0.16 *	0.13 *	0.03 *
S3	ND	ND	ND	0.01 *	ND	ND	ND	ND	0.03 *	0.01 *
S4	ND	ND	0.08 *	ND	ND	ND	ND	ND	ND	0.03 *
S5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S6	0.01 *	ND	0.10 *	0.12 *	ND	0.02 *	ND	0.10 *	ND	ND
S7	0.02 *	0.02 *	ND	0.29 *	ND	ND	ND	0.10 *	0.03 *	ND
S8	0.01 *	ND	ND	0.03 *	ND	0.04 *	0.03 *	0.11 *	0.26	0.02 *
S9	0.44	ND	ND	2.08	ND	0.56	0.81	ND	0.55	1.01
S10	0.02 *	ND	ND	ND	ND	ND	ND	ND	ND	0.01 *
S11	ND	ND	ND	ND	ND	0.02 *	ND	0.03 *	ND	0.02 *
S12	ND	ND	ND	ND	ND	ND	ND	0.02 *	ND	0.03 *
S13	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01 *
S14	0.05 *	0.73	1.76	1.17	0.12 *	0.94	0.01 *	0.27	0.15 *	1.22
S15	0.24 *	ND	ND	ND	ND	0.11 *	ND	ND	ND	0.05 *
R1	0.20 *	0.02 *	ND	ND	ND	0.24 *	ND	ND	ND	0.07 *
R2	0.04 *	ND	ND	ND	ND	0.10 *	ND	ND	ND	0.02 *
R3	ND	ND	ND	ND	ND	0.15 *	ND	ND	ND	0.05 *
R4	ND	0.01 *	ND	ND	ND	ND	ND	ND	ND	ND
R5	0.04 *	ND	ND	ND	ND	ND	ND	ND	ND	0.13 *
R6	ND	0.06 *	ND	ND	ND	ND	ND	ND	ND	0.02 *
R7	ND	0.10 *	0.10 *	ND	ND	ND	ND	ND	0.03 *	0.03 *
R8	0.41	ND	0.02 *	ND	ND	0.08 *	ND	0.03 *	0.04 *	ND

Appendix 8. (continued)

Sample	PCB 28	PCB 33/53/20	PCB 22/51	PCB 45	PCB 46	PCB 52	PCB 49	PCB 47/48/75	PCB 44	PCB 42/59/37
REF[1]	ND	ND	ND	ND	0.03 *	ND	0.04 *	ND	0.05 *	ND
1	ND	ND	0.10 *	ND	ND	0.04 *	0.07 *	ND	0.05 *	ND
2	ND	ND	0.15 *	ND	ND	0.02 *	0.05 *	ND	0.02 *	ND
3	ND	ND	0.03 *	ND	ND	0.07 *	0.06 *	ND	0.06 *	0.05 *
4	ND	0.03 *	0.37	ND	ND	0.14 *	0.18 *	0.04	0.09 *	0.07 *
5	ND	0.04 *	0.04	ND	ND	0.04 *	0.07 *	ND	0.04 *	0.06 *
6	ND	ND	0.23	ND	ND	0.05 *	0.07 *	ND	0.03 *	ND
7	ND	ND	ND	ND	ND	ND	0.04 *	ND	0.04 *	ND
8	ND	ND	0.46 *	ND	ND	ND	0.07 *	ND	0.06 *	ND
9	ND	ND	0.07*	ND	ND	0.09 *	0.05 *	ND	0.05 *	0.12 *
10	ND	ND	ND	ND	ND	0.02 *	0.03 *	ND	0.04 *	0.04 *
11	ND	ND	ND	ND	ND	ND	0.04 *	ND	0.02 *	ND
12	0.02 *	ND	0.01 *	ND	ND	0.62	0.17 *	ND	0.26	0.02 *
13	ND	ND	0.04*	ND	ND	0.05 *	0.07 *	ND	0.05 *	0.13 *
S1	0.80	0.11 *	1.52	0.03 *	0.06 *	1.90	2.43	6.25	0.74	0.71
S2	0.07 *	0.05 *	2.68	ND	0.01 *	0.37 *	0.09 *	0.76	ND	ND
S3	ND	ND	0.14 *	ND	ND	0.07 *	0.09 *	ND	0.07 *	0.09 *
S4	0.06 *	ND	0.60	ND	ND	0.08 *	0.08 *	0.02	0.05 *	0.15 *
S5	ND	ND	ND	ND	ND	0.08 *	0.05 *	ND	0.06 *	ND
S6	0.04 *	ND	0.62	ND	ND	0.10 *	0.05 *	ND	0.06 *	ND
S7	0.08 *	ND	ND	ND	ND	ND	0.05 *	ND	0.06 *	ND
S8	ND	ND	0.29	ND	ND	0.39 *	0.09 *	ND	0.14 *	0.05 *
S9	ND	0.30	9.73	ND	ND	0.82	ND	ND	0.36	0.29
S10	ND	ND	ND	ND	ND	ND	0.03 *	ND	0.05 *	ND
S11	ND	ND	0.03 *	ND	ND	ND	0.04 *	ND	0.05 *	ND
S12	ND	ND	0.05 *	ND	ND	ND	0.04 *	ND	0.02 *	ND
S13	ND	ND	ND	ND	ND	ND	0.04 *	ND	0.02 *	ND
S14	1.67	1.08	0.69	0.23	0.11 *	9.67	3.03	0.72	4.44	1.09
S15	ND	ND	0.05 *	ND	ND	0.04 *	0.06 *	ND	ND	0.07 *
R1	ND	ND	0.21*	ND	ND	0.13 *	0.07 *	ND	0.08 *	0.09 *
R2	ND	ND	0.02 *	ND	ND	0.04 *	0.07 *	ND	ND	ND
R3	ND	ND	0.03 *	ND	ND	0.58 *	0.20 *	0.02	0.26	0.08 *
R4	ND	ND	0.06 *	ND	ND	ND	0.04 *	ND	0.03 *	0.01 *
R5	ND	ND	ND	ND	ND	0.03 *	0.04 *	ND	0.01 *	0.04 *
R6	ND	ND	ND	ND	ND	ND	0.04 *	ND	0.02 *	ND
R7	ND	ND	0.11 *	ND	ND	0.06 *	0.09 *	ND	0.08 *	ND
R8	0.07 *	0.04 *	0.07 *	ND	0.00 *	0.09 *	0.20 *	ND	0.06 *	0.34

Appendix 8. (continued)

Sample	PCB 41/64	PCB 40	PCB 74	PCB 70	PCB 66	PCB 95	PCB 88	PCB 56/60	PCB 92	PCB 84
REF[1]	ND	ND	ND	ND	ND	ND	ND	0.27	ND	ND
1	ND	ND	ND	ND	ND	ND	ND	0.36	ND	ND
2	ND	ND	ND	ND	ND	0.01 *	ND	0.32	0.01 *	ND
3	ND	0.04 *	ND	0.01 *	ND	0.05 *	ND	0.32	0.03 *	0.01 *
4	135.05 **	ND	0.03 *	0.06 *	0.08 *	0.13 *	0.10 *	0.33	0.06 *	0.03 *
5	ND	ND	ND	ND	ND	0.02 *	ND	0.32	ND	ND
6	ND	ND	ND	ND	ND	0.06 *	0.03 *	0.32	0.02 *	0.02 *
7	ND	ND	ND	ND	ND	0.02 *	ND	0.25	ND	ND
8	ND	ND	ND	ND	ND	ND	ND	0.48	ND	ND
9	ND	ND	ND	ND	ND	0.02 *	0.01 *	0.03 *	0.01 *	ND
10	ND	ND	ND	ND	ND	ND	ND	0.28	ND	ND
11	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND
12	ND	ND	0.10 *	0.41	0.09 *	0.81	0.12 *	0.33	0.21 *	0.28
13	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND
S1	ND	ND	0.77	1.16	1.31	2.18	2.15	1.23	0.97	0.33 *
S2	0.05 *	ND	ND	0.25	ND	0.43	0.12 *	0.47	0.22	ND
S3	ND	ND	ND	0.02 *	0.03 *	0.09 *	0.05 *	0.28	0.07 *	ND
S4	ND	ND	ND	ND	ND	0.02 *	ND	0.31	0.02 *	ND
S5	ND	ND	ND	ND	ND	0.04 *	ND	0.28	0.02 *	ND
S6	0.02 *	ND	ND	0.07 *	ND	0.07 *	ND	0.30	0.06 *	ND
S7	0.03 *	ND	ND	0.05 *	ND	0.03 *	0.02 *	0.27	0.06 *	ND
S8	0.05 *	ND	0.03 *	0.29	0.03 *	0.51	0.08 *	0.32	0.40	0.14 *
S9	ND	ND	2.69	ND	2.49	ND	ND	2.02	1.47	0.23
S10	ND	ND	ND	0.10 *	ND	0.04 *	ND	0.22	ND	ND
S11	ND	ND	ND	ND	ND	0.02 *	ND	0.27	ND	ND
S12	ND	ND	ND	ND	ND	ND	ND	0.29	0.01 *	ND
S13	ND	ND	ND	ND	ND	ND	ND	0.27	ND	ND
S14	2.92	0.48	2.52	9.15	2.32	11.48	2.00	2.43	2.69	4.47
S15	ND	ND	ND	0.02 *	0.01 *	ND	ND	0.34	ND	ND
R1	ND	ND	ND	0.04 *	ND	0.07 *	0.01 *	0.40	0.03 *	0.03 *
R2	ND	ND	ND	ND	ND	0.01 *	ND	0.31	ND	ND
R3	ND	ND	0.11 *	0.44	0.11 *	0.67	0.12 *	0.47	0.17 *	0.23 *
R4	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND
R5	ND	ND	ND	ND	ND	ND	ND	0.24	ND	ND
R6	ND	ND	ND	ND	ND	ND	ND	0.28	ND	ND
R7	ND	ND	ND	0.03 *	ND	0.05 *	ND	0.44	0.03 *	ND
R8	180.67 **	ND	ND	0.55	ND	0.15 *	ND	ND	0.01 *	ND

Appendix 8. (continued)

Sample	PCB 101/90	PCB 99	PCB 83	PCB 97	PCB 87/115	PCB 85	PCB 136	PCB110/77	PCB 82	PCB 151
REF[1]	ND	0.06 *	0.04 *	ND	ND	ND	ND	ND	0.05 *	ND
1	0.01 *	0.10 *	ND	ND	ND	ND	ND	ND	ND	ND
2	0.02 *	0.03 *	ND	ND	0.01 *	ND	ND	0.02 *	0.08 *	0.01 *
3	0.09 *	0.07 *	ND	0.02 *	0.04 *	ND	0.03 *	0.07 *	0.16 *	0.11 *
4	0.21 *	0.19 *	ND	0.05 *	0.08	ND	0.03 *	0.15 *	0.37	0.10 *
5	0.05 *	0.05 *	ND	ND	0.03 *	ND	ND	0.04 *	ND	ND
6	0.14 *	0.08 *	ND	0.03 *	0.06 *	ND	0.02 *	0.15 *	0.31	0.11 *
7	0.09 *	0.09 *	ND	ND	0.03 *	ND	ND	0.06 *	ND	0.04 *
8	ND	0.16 *	0.30	ND	0.09	ND	ND	0.48	[illegible]	0.27
9	0.04 *	0.06 *	0.02 *	ND	0.02 *	ND	ND	0.04 *	ND	0.02 *
10	ND	0.03 *	0.02 *	ND	ND	ND	ND	ND	ND	ND
11	ND	0.03 *	0.02 *	ND	ND	ND	ND	ND	ND	ND
12	1.05	0.40	0.07 *	0.34	0.46	0.19 *	0.10 *	1.08	0.17 *	0.14 *
13	ND	0.02 *	ND	ND	ND	ND	ND	ND	ND	ND
S1	3.70	2.61	0.77	0.80	0.71	0.42	1.31	2.31	3.23	2.59
S2	0.12 *	0.15 *	0.17 *	0.04 *	0.08	ND	ND	ND	4.15	0.20 *
S3	0.14 *	0.13 *	ND	0.04 *	0.03 *	0.02 *	0.02 *	0.10 *	0.24	0.02 *
S4	0.05 *	0.06 *	ND	ND	ND	ND	ND	ND	0.47	ND
S5	0.02 *	0.04 *	ND	ND	ND	ND	ND	ND	ND	ND
S6	0.04 *	0.06 *	ND	ND	ND	ND	ND	ND	0.64	ND
S7	0.04 *	0.07 *	ND	ND	ND	ND	ND	0.06 *	ND	ND
S8	0.65	0.31	0.05 *	0.24	0.30	ND	0.08 *	0.79	0.29	0.12 *
S9	0.34	0.28	0.31	0.57	0.18	ND	0.10 *	0.88	1.98	0.77
S10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S12	ND	ND	ND	ND	ND	ND	ND	ND	0.06 *	ND
S13	ND	ND	ND	ND	ND	ND	ND	ND	0.05 *	ND
S14	16.24	7.68	0.95	5.49	8.04	4.05	1.26	19.70	2.39	1.47
S15	ND	0.03 *	ND	0.06 *	ND	ND	ND	ND	ND	ND
R1	0.11 *	0.13 *	ND	0.03 *	0.04 *	ND	ND	0.10 *	0.23 *	0.05 *
R2	0.02 *	0.05 *	ND	ND	ND	ND	ND	0.02 *	ND	0.01 *
R3	0.89	0.46	0.06 *	0.33	0.40	0.21 *	0.08 *	1.02	0.19 *	0.11 *
R4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
R5	ND	ND	0.02 *	ND	0.02 *	ND	ND	ND	ND	ND
R6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
R7	0.08 *	0.06 *	ND	ND	ND	ND	ND	0.07	0.09 *	0.01 *
R8	0.04 *	0.02 *	ND	ND	0.07 *	ND	0.02 *	0.03 *	ND	0.02 *

Appendix 8. (continued)

Sample	PCB 107	PCB 149/123	PCB 118	PCB 146	PCB 153/132	PCB 105	PCB 141/179	PCB 176/137	PCB 138/160	PCB 158
REF[1]	ND	ND	ND	ND	0.03 *	ND	ND	ND	0.02 *	ND
1	0.01 *	0.06 *	0.06 *	ND	0.07 *	ND	ND	ND	0.19	ND
2	ND	0.04 *	0.02 *	0.02 *	0.06 *	ND	ND	ND	0.06 *	ND
3	0.09 *	0.27	0.07 *	0.08 *	0.47	ND	0.03 *	ND	0.28	0.02 *
4	0.08 *	0.30	0.16	0.12 *	0.56	ND	ND	0.04 *	0.32	ND
5	ND	0.08 *	0.04 *	0.03 *	0.08 *	ND	ND	ND	0.12 *	ND
6	0.06	0.22 *	0.13	0.06 *	0.50	ND	0.05 *	ND	0.37	0.04 *
7	ND	0.14 *	0.09 *	0.03 *	0.38	ND	0.08 *	ND	0.25	ND
8	ND	0.39	ND	0.05 *	0.20	ND	ND	ND	0.05 *	0.12 *
9	ND	0.04 *	0.05 *	ND	0.05 *	ND	ND	ND	0.33	ND
10	ND	ND	ND	ND	0.03 *	ND	ND	ND	0.02	ND
11	ND	ND	ND	ND	0.08 *	ND	ND	ND	0.03 **	ND
12	0.22	0.54	0.98	0.13 *	1.42	ND	0.21	0.07 *	0.96	0.16 *
13	ND	ND	ND	ND	ND	ND	ND	ND	0.02 *	ND
S1	2.09	8.00	2.36	2.05	14.59	ND	1.07	1.34	7.27	0.66
S2	0.45	0.89	ND	0.04 *	0.20	ND	ND	1.54	0.24	ND
S3	0.03 *	0.12 *	0.16	0.03 *	0.29	ND	ND	0.04 *	0.15	ND
S4	ND	0.10 *	0.07 *	0.03 *	0.07 *	ND	ND	0.05 *	0.14	ND
S5	ND	ND	ND	ND	ND	ND	ND	ND	0.07 *	ND
S6	0.07 *	0.07 *	0.06 *	0.01 *	ND	ND	ND	0.09 *	0.10 *	ND
S7	0.02 *	0.04 *	0.06 *	ND	0.16	ND	ND	ND	0.09 *	ND
S8	0.21 *	0.46	0.79	0.13 *	0.93	0.27	0.18 *	0.11 *	0.85	0.12 *
S9	0.21	1.11	1.92	0.28	0.54	ND	ND	1.12	0.43	ND
S10	ND	ND	ND	ND	ND	ND	ND	ND	0.07 *	ND
S11	ND	ND	ND	ND	ND	ND	ND	ND	0.04 *	ND
S12	ND	ND	ND	ND	ND	ND	ND	ND	0.05 *	ND
S13	ND	ND	ND	ND	ND	ND	ND	ND	0.19	ND
S14	2.61	6.35	18.56	1.51	13.57	7.13	2.72	1.30	13.62	2.19
S15	ND	0.03 *	ND	ND	0.05 *	ND	ND	ND	0.08 *	ND
R1	ND	0.18 *	0.13 *	0.06 *	0.43	ND	ND	ND	0.20	ND
R2	ND	0.05 *	0.02 *	0.03 *	0.13	ND	ND	ND	0.08 *	ND
R3	0.12 *	0.41	1.03	0.10 *	0.84	0.42	0.16 *	0.07 *	0.80	0.12 *
R4	ND	ND	ND	ND	ND	ND	ND	ND	0.03 *	ND
R5	ND	0.01 *	ND	ND	ND	ND	ND	ND	0.37	ND
R6	ND	ND	ND	ND	ND	ND	ND	ND	0.02 *	ND
R7	ND	0.08 *	0.07	0.03 *	0.08 *	ND	ND	ND	0.17 *	ND
R8	0.06 *	0.04 *	0.02 *	0.01 *	0.17	ND	0.04 *	ND	0.10 *	0.01 *

Appendix 8. (continued)

Sample	PCB 129	PCB 178	PCB 187	PCB 183	PCB 128	PCB 167	PCB 185	PCB 174	PCB 177	PCB 156/171
REF[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1	ND	0.01 *	0.02 *	0.01 *	ND	ND	0.07 *	0.03 *	0.03 *	0.11 *
2	ND	0.01 *	0.04 *	0.01 *	ND	ND	ND	0.01 *	0.01 *	0.03 *
3	ND	0.02 *	0.23 *	0.07 *	ND	ND	0.03 *	0.09 *	0.09 *	0.11 *
4	ND	0.06 *	0.18	0.05 *	0.03 *	0.06 *	0.05 *	0.08 *	0.10 *	0.20 *
5	ND	ND	0.07 *	ND	ND	ND	ND	ND	0.01 *	0.03 *
6	ND	0.03 *	0.18	0.05 *	0.02 *	ND	ND	0.09 *	0.06 *	0.12 *
7	ND	ND	0.13	0.03 *	ND	ND	ND	0.06 *	0.03 *	ND
8	ND	ND	ND	ND	ND	ND	0.27	0.40	0.09 *	0.96
9	ND	ND	0.03 *	ND	ND	ND	ND	ND	ND	ND
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	0.07 *	0.01 *	0.08 *	0.04 *	0.19 *	0.04 *	ND	0.07 *	0.04 *	0.19 *
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1	ND	0.87	5.48	1.65	0.56	0.35 *	1.05	2.22	2.83	3.44
S2	ND	ND	0.04 *	0.01 *	0.05 *	ND	0.17 *	0.02 *	1.02	ND
S3	ND	0.02 *	0.06 *	0.01 *	0.02 *	ND	ND	0.02 *	0.05 *	0.06 *
S4	ND	ND	0.08 *	0.02 *	0.01 *	ND	ND	0.02 *	0.05 *	ND
S5	ND	ND	0.08 *	ND	ND	ND	ND	ND	ND	ND
S6	ND	ND	0.07 *	0.01 *	ND	ND	ND	0.01 *	0.04 *	ND
S7	ND	ND	0.07 *	ND	ND	ND	ND	0.01 *	0.01 *	ND
S8	0.08 *	0.01 *	0.14	0.05 *	0.14 *	0.10 *	ND	0.07 *	0.07 *	0.18 *
S9	ND	[illegible]	ND	0.03 *	0.04 *	0.57	ND	0.33	1.88	0.98
S10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S14	1.08	0.11 *	0.73	0.44	2.74	0.80	0.07 *	0.69	0.41	2.12
S15	ND	ND	0.02 *	ND	ND	ND	ND	ND	ND	0.02 *
R1	ND	ND	0.14 *	0.05 *	0.02 *	ND	0.10 *	0.06 *	0.05 *	0.14 *
R2	ND	0.02 *	0.08 *	0.01 *	ND	ND	ND	0.02 *	0.02 *	0.04 *
R3	0.05 *	ND	0.13	0.04	0.16 *	0.02 *	ND	0.07 *	0.05 *	0.13 *
R4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
R5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
R6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
R7	ND	ND	0.09 *	0.02 *	ND	ND	ND	ND	0.04 *	0.06 *
R8	ND	0.01 *	0.00 *	0.02 *	ND	0.03 *	ND	0.03 *	0.02	ND

Appendix 8. (continued)

Sample	PCB 200	PCB 172	PCB 180	PCB 191	PCB 170/190	PCB 201	PCB 203/196	PCB 189	PCB 195/208	PCB 194
REF[1]	ND	0.03 *	ND	ND	0.56	ND	ND	ND	ND	ND
1	ND	ND	0.04 *	ND	ND	0.10 *	ND	ND	ND	0.04 *
2	ND	0.05 *	0.04 *	ND	0.09 *	0.05 *	ND	ND	ND	ND
3	0.01 *	0.06 *	0.27	ND	0.29	0.20 *	0.12 *	ND	0.05 *	0.11 *
4	0.02 *	ND	0.19	0.04 *	ND	0.04 *	0.06 *	ND	0.06 *	0.16 *
5	ND	0.04 *	0.06 *	ND	0.15 *	ND	ND	ND	ND	ND
6	ND	0.06 *	0.21	ND	1.56	0.10 *	0.06 *	ND	0.03 *	0.07 *
7	ND	0.03 *	0.18	ND	0.69	0.03 *	0.06 *	ND	0.02 *	0.05 *
8	0.07 *	ND	0.12	ND	ND	0.18 *	0.09 *	ND	0.05 *	0.29
9	ND	0.03 *	0.04 *	ND	0.06 *	0.06 *	ND	ND	ND	ND
10	ND	0.03 *	ND	ND	0.04 *	0.03 *	ND	ND	ND	ND
11	ND	0.03 *	ND	ND	0.09 *	ND	ND	ND	ND	ND
12	ND	0.04 *	0.15	ND	0.32	0.04 *	0.03 *	ND	ND	0.02 *
13	ND	0.03 *	ND	ND	0.06 *	ND	ND	ND	ND	ND
S1	0.30 *	0.74	7.41	0.21 *	2.06	2.57	2.02	0.20 *	1.08	2.48
S2	0.06 *	ND	0.13	ND	ND	ND	0.27	0.02 *	0.04 *	0.03 *
S3	ND	0.05 *	0.06 *	ND	0.34	ND	ND	ND	ND	ND
S4	ND	0.06 *	0.07 *	ND	0.26 *	ND	ND	ND	ND	0.02 *
S5	ND	0.05 *	0.04 *	ND	0.44	ND	ND	ND	ND	0.01 *
S6	ND	0.07 *	0.05 *	ND	ND	ND	ND	ND	ND	ND
S7	ND	0.03 *	0.05 *	ND	2.95	ND	ND	ND	ND	ND
S8	ND	0.08 *	0.22	ND	ND	0.10 *	0.07 *	ND	0.02 *	0.04 *
S9	0.20	0.44	0.14	0.66	19.01 *	1.13	0.28	0.05 *	ND	0.58
S10	ND	0.02 *	ND	ND	0.36	ND	ND	ND	ND	ND
S11	ND	0.03 *	ND	ND	0.55	ND	ND	ND	ND	ND
S12	ND	0.03 *	ND	ND	0.76	ND	ND	ND	ND	ND
S13	ND	0.03 *	ND	ND	0.07	ND	ND	ND	ND	ND
S14	0.45	0.16 *	1.69	0.04 *	1.50	0.23	0.26	0.04 *	0.11 *	0.27
S15	ND	0.04 *	0.03 *	ND	0.10 *	ND	ND	ND	ND	ND
R1	ND	ND	0.13	ND	0.57	0.02 *	0.06 *	ND	0.03 *	0.08 *
R2	ND	0.04 *	0.06 *	ND	0.21 *	0.07 *	ND	ND	0.01 *	0.02 *
R3	ND	0.06 *	0.18	ND	0.31 *	0.10 *	0.05 *	ND	0.02 *	0.04 *
R4	ND	0.04 *	ND	ND	0.11 *	ND	ND	ND	ND	ND
R5	ND	0.03 *	0.02 *	ND	0.74	ND	ND	0.04 *	ND	ND
R6	ND	0.03 *	0.03 *	ND	0.06 *	ND	ND	0.01 *	ND	ND
R7	ND	0.10 *	0.08 *	ND	ND	ND	ND	ND	ND	0.06 *
R8	ND	0.05 *	0.08	ND	ND	ND	ND	ND	0.01 *	0.01 *

Appendix 8. (continued)

Sample	PCB 205	PCB 206	PCB 209	Total PCB's
REF[1]	ND	ND	ND	1.19
1	ND	ND	ND	1.91
2	ND	0.02 *	ND	1.39
3	ND	0.13	ND	4.83
4	0.04 *	0.10	0.10 *	6.98
5	ND	ND	ND	1.71
6	0.01 *	ND	ND	6.02
7	ND	ND	ND	2.96
8	0.31	ND	ND	7.67
9	ND	ND	ND	1.87
10	ND	ND	ND	0.64
11	ND	ND	ND	0.68
12	ND	ND	0.04 *	13.50
13	ND	ND	ND	1.14
S1	0.65	0.65	0.41	124.59
S2	0.07 *	ND	0.04 *	16.92
S3	ND	ND	ND	3.32
S4	ND	0.02 *	ND	3.14
S5	ND	ND	ND	1.28
S6	0.02 *	0.02 *	ND	3.15
S7	ND	ND	ND	4.79
S8	0.02 *	0.02 *	ND	11.63
S9	ND	ND	0.04 *	44.23
S10	ND	ND	ND	0.91
S11	ND	ND	ND	1.09
S12	ND	ND	ND	1.36
S13	ND	ND	ND	0.69
S14	0.01 *	0.11	0.00 *	220.56
S15	ND	ND	ND	1.45
R1	ND	ND	ND	4.84
R2	ND	ND	ND	1.61
R3	ND	ND	ND	12.90
R4	ND	ND	ND	0.60
R5	ND	0.03 *	ND	1.81
R6	ND	ND	ND	0.57
R7	ND	ND	ND	2.34
R8	ND	ND	ND	3.09

[1] Reference Sediment from Redfish Bay, Texas.

ND Not Detected

* indicates concentrations below the minimum detection limits, ** indicates an interference was suspected.

Appendix 9. Detection limits for metals, pesticides and polynuclear aromatic hydrocarbons (PAHs).

METALS	ppm/gm of dry wt sample	Pesticide Compounds	ppb/ 10gm of dry wt sample	PAHs	ppb/ 10gm of dry sample	PAHs	ppb/ 10gm of dry sample
Arsenic	0.50	1,2,4,5 Tetrachlorobenzene	0.4699	Naphthalene	1.4560	Chrysene	0.4633
Lead	5.00	1,2,3,4 Tetrachlorobenzene	0.6486	C1-Naphthalenes	1.7207	C1-Chrysenes	0.9265
Selenium	1.00	Pentachlorobenzene	0.0728	C2-Naphthalenes	0.7942	C2-Chrysenes	0.9265
Mercury*	0.20	Pentachloroanisole	0.0331	C3-Naphthalenes	0.5956	C3-Chrysenes	0.9265
Aluminum	10	Chlorpyrifos	0.2581	C4-Naphthalenes	0.5956	C4-Chrysenes	0.9265
Copper	1.00	Dicofol	0.2118	Biphenyl	0.1985	Benzo(b)fluoranthene	0.8604
Iron	10	Hexachlorobenzene	0.0463	Acenaphthylene	0.1985	Benzo(k)fluoranthene	0.3309
Nickel	5.00	Alpha HCH	0.2449	Acenaphthene	0.3309	Benzo(e)pyrene	0.3971
Zinc	5.0	Beta HCH	0.1125	Fluorene	0.3309	Benzo(a)pyrene	0.3971
Cadmium	0.20	Gamma HCH	0.0529	C1-Fluorenes	0.6618	Perylene	0.3971
Chromium	1.00	Delta HCH	0.0331	C2-Fluorenes	0.6618	Indeno(1,2,3-c,d)pyrene	0.1985
		Heptachlor	0.0331	C3-Fluorenes	0.6618	Dibenzo(a,h)anthracene	0.3309
TOC	0.04%	Heptachlor Epoxide	0.0265	Phenanthrene	0.5295	Benzo(g,h,i)perylene	0.8604
		Oxychlordane	0.0463	Anthracene	0.3309	2-Methylnaphthalene	1.1251
		Gamma Chlordane	0.0993	C1-Phenanthrenes/Anthracenes	0.3309	1-Methylnaphthalene	0.6618
		Alpha Chlordane	0.0529	C2-Phenanthrenes/Anthracenes	0.3309	2,6-Dimethylnaphthalene	0.3971
		Trans-Nonachlor	0.0662	C3-Phenanthrenes/Anthracenes	0.3309	1,6,7-Trimethylnaphthalene	0.2647
		Cis-Nonachlor	0.0265	C4-Phenanthrenes/Anthracenes	0.3309	1-Methylphenanthrene	0.1324
		Aldrin	0.0860	Dibenzothiophene	0.1985		
		Dieldrin	0.0265	C1-Dibenzothiophenes	0.3971		
		Endrin	0.0596	C2-Dibenzothiophenes	0.3971		
		Mirex	0.0728	C3-Dibenzothiophenes	0.3971		
		2,4' DDE	0.0529	Fluoranthene	0.6618		
		4,4' DDE	0.0397	Pyrene	0.7280		
		2,4' DDD	0.1191	C1-Fluoranthenes/Pyrenes	1.3898		
		4,4' DDD	0.0463	Benzo(a)anthracene	0.1324		
		2,4' DDT	0.0331				
		4,4' DDT	0.0596				
		Endosulfan II	0.0397				

* Detection Limit of Mercury based on a dry weight of 0.20 gm.

Appendix 10. Detection limits for polychlorinated biphenyls (PCBs).

PCBs	ppb/ 10gm of dry wt sample	PCBs	ppb/ 10gm of dry wt sample	PCBs	ppb/ 10gm of dry wt sample
PCB7/9*	0.0993	PCB95*	0.0993	PCB158*	0.0993
PCB8/5	0.0794	PCB88*	0.0993	PCB129*	0.0993
PCB18/17	0.5427	PCB56/60*	0.0993	PCB178*	0.0993
PCB15*	0.0993	PCB92*	0.0993	PCB187	0.0529
PCB24/27*	0.0993	PCB84*	0.0993	PCB183 *	0.0993
PCB16/32*	0.0993	PCB101/90	0.0993	PCB128	0.0927
PCB29	0.0860	PCB99*	0.0993	PCB167*	0.0993
PCB26*	0.0993	PCB83*	0.0993	PCB185 *	0.0993
PCB25*	0.0993	PCB97*	0.0993	PCB174*	0.0993
PCB31*	0.0993	PCB87/115	0.0331	PCB177*	0.0993
PCB28	0.0596	PCB85*	0.0993	PCB156/171	0.0993
PCB33/53/20*	0.0993	PCB136*	0.0993	PCB200*	0.0993
PCB22/51*	0.0993	PCB110/77*	0.0993	PCB172*	0.0993
PCB45*	0.0993	PCB82*	0.0993	PCB180	0.0331
PCB46 *	0.0993	PCB151*	0.0993	PCB191*	0.0993
PCB52	0.2780	PCB107*	0.0993	PCB170/190	0.1125
PCB49*	0.0993	PCB149/123*	0.0993	PCB201*	0.0993
PCB47/48/75*	0.0993	PCB118	0.0463	PCB203/196*	0.0993
PCB44	0.0662	PCB146*	0.0993	PCB189*	0.0993
PCB42/59/37*	0.0993	PCB153/132	0.0529	PCB195/208	0.0596
PCB41/64*	0.0993	PCB105	0.0397	PCB194	0.0993
PCB40*	0.0993	PCB141/179*	0.0993	PCB205 *	0.0993
PCB74*	0.0993	PCB176/137*	0.0993	PCB206	0.0331
PCB70*	0.0993	PCB138 /160	0.0463	PCB209	0.0662
PCB66	0.0463				

* Calculated with group rep.

Appendix 11. Sample dry weights used in PAH, pesticide and metal analysis.

Station [1]	PAH and Pesticide analysis (gm)	Acid Dig. wt. (gm) [2]	Hg Dig. wt. (gm)	ICP wt. (gm) [3]
REF[4]	10.60	1.17	0.22	1.17
1	7.87	1.11	0.21	1.11
2	10.60	1.06	0.20	1.06
3	10.11	1.04	0.20	1.04
4	9.72	1.00	0.20	1.00
5	8.09	1.00	0.21	1.00
6	9.15	1.04	0.20	1.04
7	10.83	1.04	0.21	1.04
8	9.81	1.02	0.21	1.02
9	9.51	1.11	0.21	1.11
10	10.93	1.07	0.21	1.07
11	10.34	1.07	0.20	1.07
12	10.86	1.01	0.21	1.01
13	10.97	1.07	0.21	1.07
S1	5.95	1.02	0.21	1.02
S2	10.60	1.06	0.21	1.06
S3	10.37	1.03	0.21	1.03
S4	9.06	1.03	0.20	1.03
S5	10.18	1.04	0.21	1.04
S6	10.48	1.10	0.22	1.10
S7	10.26	1.04	0.21	1.04
S8	9.99	1.07	0.20	1.07
S9	11.25	1.06	0.21	1.02
S10	10.71	1.04	0.22	1.04
S11	10.87	1.14	0.21	1.14
S12	10.67	1.00	0.20	1.00
S13	11.06	1.03	0.20	1.03
S14	10.96	1.03	0.22	1.03
S15	9.35	1.07	0.20	1.07
R1	7.92	1.01	0.20	1.01
R2	9.29	1.05	0.20	1.05
R3	7.24	1.02	0.21	1.02
R4	9.63	1.02	0.21	1.02
R5	11.23	1.03	0.21	1.03
R6	10.76	1.10	0.20	1.10
R7	7.42	1.13	0.21	1.13
R8	9.67	1.02	0.20	1.02

[1] Station designation refers to the sample ID. (Numbers only, S's and R's refer to sites of concern, storm water discharge, and historical reference sites, respectively.)
[2] Acid digestion analysis included arsenic, lead and selenium.
[3] ICP analysis included aluminum, copper, iron, nickel, zinc, cadmium and chromium.
[4] Reference sediment collected from Redfish Bay, Texas.

Appendix 12. Percent recovery of polynuclear aromatic hydrocarbon surrogate compounds from sediments of Corpus Christi Bay, Nueces Bay and surrounding areas.

Station	Surrogate Compounds (% recovery)				
	d8-Naphthalene	d10-Acenaphthene	d10-Phenanthrene	d12-Chrysene	d12-Perylene
REF[1]	91.3	92.7	89.2	69.8	39.4*
1	68.2	93.0	113.7	108.3	76.2
2	79.8	90.5	83.4	114.5	67.0
3	82.5	98.9	99.4	116.5	67.6
4	84.2	106.3	103.5	118.2	82.5
5	86.6	99.0	87.8	109.6	71.3
6	75.1	107.0	84.6	80.6	80.1
7	84.4	73.0	48.3	47.7	30.8*
8	51.8	66.1	53.4	54.9	51.4
9	93.8	95.9	100.1	106.2	61.5
10	85.2	105.9	95.1	111.9	64.7
11	104.5	97.3	114.0	98.8	58.6
12	79.1	81.7	87.9	102.8	56.5
13	101.6	105.6	95.7	109.4	76.2
S1	79.0	94.0	97.4	83.0	98.9
S2	88.0	96.0	86.5	87.8	91.2
S3	119.6	107.0	88.9	82.1	66.3
S4	92.4	102.4	92.4	88.1	69.2
S5	100.0	105.6	92.6	82.7	65.1
S6	100.5	106.2	96.4	97.8	71.1
S7	108.5	108.1	98.6	85.6	70.4
S8	98.4	98.5	92.0	87.7	85.8
S9	119.5	103.4	93.7	98.1	97.9
S10	80.1	80.4	79.0	71.3	62.5
S11	95.4	97.8	84.4	72.8	54.7
S12	92.9	92.1	81.6	79.4	71.5
S13	111.1	103.8	91.7	71.9	60.7
S14	112.5	94.5	84.8	79.0	74.4
S15	86.2	93.0	105.0	116.9	71.9
R1	59.6	86.9	74.1	101.9	69.0
R2	66.2	99.5	93.7	115.2	70.4
R3	82.5	105.9	93.7	113.6	67.1
R4	96.3	96.3	94.4	116.4	65.3
R5	82.1	95.8	91.8	109.8	64.1
R6	90.2	102.1	96.1	107.2	68.3
R7	102.1	102.1	99.5	114.3	75.5
R8	87.6	106.8	90.2	69.7	82.6

[1] Reference sediment from Redfish Bay, Texas

* Possible interference detected

Appendix 13. Percent recovery of pesticide compounds from spiked sediments (n=6) collected from Corpus Christi Bay and surrounding areas.

Pesticide Compounds	Mean	SD
1,2,4,5 Tetrachlorobenzene	86.85	23.58
1,2,3,4 Tetrachlorobenzene	87.72	10.97
Pentachlorobenzene	96.78	4.39
Pentachloroanisole	98.65	4.16
Chlorpyrifos	76.60	59.47
Dicofol	26.61	39.79
Hexachlorobenzene	100.32	3.31
Alpha HCH	86.91	8.14
Beta HCH	95.43	6.90
Gamma HCH	91.68	7.06
Delta HCH	88.95	10.21
Heptachlor	103.29	7.13
Heptachlor Epoxide	92.99	3.05
Oxychlordane	97.81	7.79
Gamma Chlordane	92.61	3.46
Alpha Chlordane	93.15	2.97
Trans-Nonachlor	96.57	2.39
Cis-Nonachlor	96.95	2.70
Aldrin	79.51	8.32
Dieldrin	97.87	10.24
Endrin	115.18	8.54
Mirex	92.93	6.89
2,4' DDE	92.99	4.73
4,4' DDE	90.89	5.97
2,4' DDD	100.99	8.72
4,4' DDD	98.87	5.24
2,4' DDT	95.75	2.92
4,4' DDT	97.51	6.19
Endosulfan II	76.95	20.39

Appendix 14. Percent recovery of selective PCBs in spiked sediment samples from Corpus Christi Bay and surrrounding areas.

Polychlorinated biphenyls	Mean	SD	Polychlorinated biphenyls	Mean	SD	Polychlorinated biphenyls	Mean	SD
PCB7/9*	NA	NA	PCB66	101.71	4.29	PCB158*	NA	NA
PCB8/5	102.71	3.36	PCB95*	NA	NA	PCB129*	NA	NA
PCB18/17	95.92	1.85	PCB88*	NA	NA	PCB178*	NA	NA
PCB15*	NA	NA	PCB56/60*	NA	NA	PCB187	98.81	3.00
PCB24/27*	NA	NA	PCB92*	NA	NA	PCB183 *	NA	NA
PCB16/32*	NA	NA	PCB101/90	99.68	2.02	PCB128	100.40	8.07
PCB29	100.55	2.60	PCB99*	NA	NA	PCB167*	NA	NA
PCB26*	NA	NA	PCB83*	NA	NA	PCB185 *	NA	NA
PCB25*	NA	NA	PCB97*	NA	NA	PCB174*	NA	NA
PCB31*	NA	NA	PCB87/115	97.61	4.02	PCB177*	NA	NA
PCB28	98.57	2.56	PCB85*	NA	NA	PCB156/171	NA	NA
PCB33/53/20*	NA	NA	PCB136*	NA	NA	PCB200*	98.40	2.83
PCB22/51*	NA	NA	PCB110/77*	99.41	4.16	PCB172*	NA	NA
PCB45*	NA	NA	PCB82*	NA	NA	PCB180	98.63	4.22
PCB46 *	NA	NA	PCB151*	NA	NA	PCB191*	NA	NA
PCB52	103.12	2.74	PCB107*	NA	NA	PCB170/190	102.29	9.19
PCB49*	NA	NA	PCB149/123*	NA	NA	PCB201*	NA	NA
PCB47/48/75*	NA	NA	PCB118	105.28	4.41	PCB203/196*	NA	NA
PCB44	99.28	2.09	PCB146*	NA	NA	PCB189*	NA	NA
PCB42/59/37*	NA	NA	PCB153/132	99.93	4.52	PCB195/208	98.06	4.61
PCB41/64*	NA	NA	PCB105	101.41	8.36	PCB194	NA	NA
PCB40*	NA	NA	PCB141/179*	NA	NA	PCB205 *	NA	NA
PCB74*	NA	NA	PCB176/137*	NA	NA	PCB206	96.92	7.04
PCB70*	NA	NA	PCB138 /160	96.53	4.02	PCB209	100.51	4.58

NA = Not available - not spiked in sample.

Appendix 15. Quality assurance data for metals, total organic carbon and grain size analysis.

Metal	Spiked Blank (% Rec)			Matrix Spike (% Rec)			Certified Reference (% Rec)			Duplicate (RPD)		
	n	Mean	SD	n	Mean	SD	n	Mean	SD	n	Mean	SD
Arsenic	3	101	24.46	4	103	7.0	4	87	11.15	1	9	
Lead	3	100	0.64	4	108	11.0	4	85	11.43	3	14	9.0
Selenium	3	91	10.47	4	85	5.0	4	0	0.0	1	6	
Mercury	3	110	0.0	4	110	1.0	3	113	2.01	3	4	5.0
Aluminum	0	NA	NA	0	NA	NA	0	NA	NA	2	8	0.0
Copper	3	106	2.0	4	105	3.0	4	97	2.57	3	4	1.0
Iron	0	NA	NA	0	NA	NA	0	NA	NA	0	NA	NA
Nickel	3	117	0.82	4	106	13.0	4	95	14.70	3	7	1.0
Zinc	3	113	14.91	4	106	13.0	4	94	12.86	3	3	3.0
Cadmium	3	101	8.92	4	109	6.0	2	140	22.55	1	6	
Chromium	3	107	0.12	4	97	5.0	4	39	8.49	3	14	6.0
TOC[1]	5	.028	0.010	0	NA	NA	0	NA	NA	0	NA	NA
% Sand	0	NA	NA	0	NA	NA	0	NA	NA	4	0.4	0.4
% Silt	0	NA	NA	0	NA	NA	0	NA	NA	4	5.4	1.7
% Clay	0	NA	NA	0	NA	NA	0	NA	NA	4	22.4	24.5

NA = Not Available

[1] Number represent % Recovery from Blanks in TOC analysis (ie. not spiked blanks)

Appendix 16. Quality assurance results for polynuclear aromatic hydrocarbon analysis conducted in the Corpus Christi Bay National Estuary Program study.

	Spiked Matrix % Recovery		Duplicate Matrix Relative Percent Difference	
PAH Compounds	**Mean**	**SD**	**Mean**	**SD**
Naphthalene	96.69	10.54	5.25	5.71
C1-Naphthalenes	86.27	6.46	8.46	NA
C2-Naphthalenes	NA	NA	NA	NA
C3-Naphthalenes	NA	NA	NA	NA
C4-Naphthalenes	NA	NA	NA	NA
Biphenyl	81.89	10.27	3.61	3.86
Acenaphthylene	91.52	11.85	3.09	3.26
Acenaphthene	92.59	11.08	6.84	6.15
Fluorene	111.25	6.42	5.96	2.76
C1-Fluorenes	NA	NA	NA	NA
C2-Fluorenes	NA	NA	NA	NA
C3-Fluorenes	NA	NA	NA	NA
Phenanthrene	139.85	97.39	20.96	22.26
Anthracene	105.35	12.74	9.03	5.51
C1-Phenanthrenes/Anthracenes	NA	NA	9.22	NA
C2-Phenanthrenes/Anthracenes	NA	NA	5.53	NA
C3-Phenanthrenes/Anthracenes	NA	NA	1.62	NA
C4-Phenanthrenes/Anthracenes	NA	NA	1.39	NA
Dibenzothiophene	92.15	11.58	3.46	1.14
C1-Dibenzothiophenes	NA	NA	NA	NA
C2-Dibenzothiophenes	NA	NA	NA	NA
C3-Dibenzothiophenes	NA	NA	11.41	NA
Fluoranthene	188.18	155.12	39.76	26.89
Pyrene	167.70	113.66	32.65	24.33
C1-Fluoranthenes/Pyrenes	NA	NA	NA	NA
Benzo(a)anthracene	132.96	52.65	39.62	28.19
Chrysene	109.96	45.87	39.97	30.80
C1-Chrysenes	NA	NA	NA	NA
C2-Chrysenes	NA	NA	NA	NA
C3-Chrysenes	NA	NA	NA	NA
C4-Chrysenes	NA	NA	NA	NA
Benzo(b)fluoranthene	144.41	65.75	33.82	31.20
Benzo(k)fluoranthene	133.67	41.83	31.73	28.06
Benzo(e)pyrene	121.41	34.17	29.21	24.52
Benzo(a)pyrene	139.19	72.22	40.24	39.35
Perylene	96.10	9.71	11.47	6.23
Indeno(1,2,3-c,d)pyrene	161.70	86.48	38.94	49.44
Dibenzo(a,h)anthracene	120.44	33.54	17.74	22.48
Benzo(g,h,i)perylene	138.70	66.27	34.40	39.12
2-Methylnaphthalene	90.73	6.63	6.99	4.17
1-Methylnaphthalene	95.00	5.91	4.79	2.41
2,6-Dimethylnaphthalene	90.07	4.06	3.64	2.62
1,6,7-Trimethylnaphthalene	89.01	4.18	3.69	1.55
1-Methylphenanthrene	101.84	20.75	10.85	16.08

NA = Not available

Appendix 17. Water quality parameters at the initiation of the Corpus Christi Bay National Estuary Program *Ampelisca abdita* (amphipod) solid-phase test (n=5).

Station[1]	Salinity (‰)	DO[2] (mg/L)	% DO[3]	pH	TAN[4] (mg/L)	UAN[5] (µg/L)
REF [6]	30 ± 0.4	7.5 ± 0.2	99.3 ± 2.7	8.0 ± 0.05	0.22 ± 0.16	6.41 ± 4.78
1	31 ± 0.8	7.5 ± 0.1	99.8 ± 1.5	8.0 ± 0.06	0.32 ± 0.24	9.74 ± 7.53
2	31 ± 0.7	7.6 ± 0.1	99.8 ± 0.9	8.0 ± 0.06	0.22 ± 0.09	6.24 ± 2.23
3	31 ± 1.1	7.5 ± 0.1	99.3 ± 1.6	8.0 ± 0.06	0.27 ± 0.18	7.83 ± 5.3
4	31 ± 1.1	7.4 ± 0.2	97.8 ± 1.8	8.0 ± 0.06	0.39 ± 0.31	11.64 ± 9.88
5	31 ± 0.6	7.4 ± 0.2	98.2 ± 2.6	8.0 ± 0.07	0.59 ± 0.40	17.98 ± 12.72
6	31 ± 0.4	7.4 ± 0.2	98.1 ± 2.3	8.0 ± 0.06	0.72 ± 0.54	21.84 ± 17.14
7	31 ± 0.8	7.4 ± 0.2	98.0 ± 2.7	8.0 ± 0.05	0.16 ± 0.07	4.66 ± 1.95
8	30 ± 0.6	7.4 ± 0.1	97.5 ± 2.7	8.0 ± 0.07	0.24 ± 0.1	7.22 ± 4.45
9	30 ± 0.4	7.4 ± 0.2	97.5 ± 2.6	8.0 ± 0.06	0.68 ± 0.37	21.43 ± 12.02
10	31 ± 0.7	7.4 ± 0.2	97.8 ± 2.9	8.0 ± 0.06	0.20 ± 0.12	5.75 ± 3.54
11	31 ± 0.9	7.4 ± 0.1	98.6 ± 2.0	8.0 ± 0.06	0.29 ± 0.20	7.83 ± 5.03
12	30 ± 0.4	7.5 ± 0.1	99.0 ± 1.0	8.0 ± 0.06	0.27 ± 0.16	7.54 ± 4.15
13	31 ± 0.7	7.4 ± 0.2	98.1 ± 2.9	7.9 ± 0.06	0.13 ± 0.06	3.42 ± 1.34
S1	31 ± 0.7	7.3 ± 0.2	97.2 ± 4.2	8.1 ± 0.04	1.62 ± 1.3	55.08 ± 40.93
S2	31 ± 0.4	7.3 ± 0.2	97.4 ± 4.0	8.0 ± 0.01	1.03 ± 0.84	34.0 ± 27.25
S3	31 ± 0.6	7.4 ± 0.2	97.9 ± 3.1	8.0 ± 0.07	0.13 ± 0.07	3.98 ± 2.21
S4	31 ± 0.6	7.0 ± 0.5	92.9 ± 5.6	8.0 ± 0.06	0.17 ± 0.05	5.54 ± 1.44
S5	31 ± 0.6	7.3 ± 0.2	96.6 ± 3.6	8.0 ± 0.04	0.1 ± 0.0	2.85 ± 0.27
S6	31 ± 0.8	7.2 ± 0.2	95.4 ± 2.9	7.9 ± 0.16	0.14 ± 0.06	3.50 ± 1.70
S7	31 ± 0.7	7.2 ± 0.2	95.8 ± 2.8	7.9 ± 0.09	0.11 ± 0.02	2.91 ± 0.73
S8	31 ± 1.0	7.1 ± 0.2	94.1 ± 2.9	8.0 ± 0.09	0.29 ± 0.24	7.32 ± 4.41
S9	31 ± 0.8	7.5 ± 0.3	98.7 ± 3.6	8.0 ± 0.09	0.11 ± 0.01	3.22 ± 0.54
S10	31 ± 0.8	7.5 ± 0.2	99.0 ± 3.4	8.0 ± 0.07	0.20 ± 0.12	5.80 ± 3.06

Appendix 17. (continued)

Station[1]	Salinity (‰)	DO[2] (mg/L)	% DO[3]	pH	TAN[4] (mg/L)	UAN[5] (µg/L)
S11	31 ± 0.8	7.5 ± 0.3	99.1 ± 3.3	8.0 ± 0.06	0.23 ± 0.18	6.90 ± 5.78
S12	30 ± 0.6	7.5 ± 0.3	98.9 ± 3.5	8.0 ± 0.07	0.22 ± 0.16	6.67 ± 5.12
S13	31 ± 0.8	7.2 ± 0.2	96.3 ± 3.2	8.0 ± 0.05	0.61 ± 0.46	19.05 ± 14.02
S14	31 ± 0.8	7.3 ± 0.3	96.8 ± 3.6	8.0 ± 0.05	0.18 ± 0.09	5.49 ± 2.42
S15	32 ± 0.4	7.2 ± 0.3	95.8 ± 3.7	8.0 ± 0.06	0.58 ± 0.40	18.42 ± 12.59
R1	31 ± 0.9	7.2 ± 0.3	95.8 ± 4.0	8.0 ± 0.06	1.66 ± 1.25	55.97 ± 43.16
R2	30 ± 0.6	7.3 ± 0.1	97.0 ± 3.6	8.0 ± 0.07	0.25 ± 0.18	7.98 ± 5.55
R3	30 ± 0.6	7.2 ± 0.2	95.7 ± 3.7	8.0 ± 0.06	0.48 ± 0.26	16.12 ± 8.26
R4	31 ± 0.8	7.2 ± 0.2	96.4 ± 3.2	8.0 ± 0.06	0.19 ± 0.13	6.53 ± 3.99
R5	31 ± 0.4	7.2 ± 0.3	96.4 ± 4.2	8.0 ± 0.05	0.30 ± 0.19	9.35 ± 5.78
R6	31 ± 0.8	7.3 ± 0.3	97.6 ± 3.4	8.0 ± 0.04	0.17 ± 0.08	5.15 ± 2.38
R7	31 ± 0.8	7.3 ± 0.4	96.9 ± 3.9	8.0 ± 0.05	1.06 ± 0.79	32.67 ± 26.10
R8	31 ± 0.4	7.5 ± 0.1	99.4 ± 0.9	8.0 ± 0.06	0.10 ± 0.00	2.96 ± 0.43

[1] Station refers to the sample ID. (Numbers only, S's and R's refer to sites of concern, stormwater discharge, and historical reference sites, respectively.)

[2] Dissolved oxygen

[3] Percent saturation of dissolved oxygen

[4] Total ammonia as nitrogen

[5] Unionized ammonia

[6] Reference sediment collected in Redfish Bay, Texas.

Appendix 18. Water quality parameters at the termination of the Corpus Christi Bay National Estuary Program *Ampelisca abdita* (amphipod) solid-phase test (n=5).

Station[1]	Salinity (‰)	DO[2] (mg/L)	% DO[3]	pH	TAN[4] (mg/L)	UAN[5] (µg/L)
REF [6]	30 ± 0.4	7.2 ± 0.2	93.5 ± 3.1	8.1 ± 0.05	0.10 ± 0.00	4.11 ± 0.48
1	31 ± 0.9	7.2 ± 0.2	92.8 ± 2.0	8.1 ± 0.05	0.26 ± 0.11	9.26 ± 4.00
2	32 ± 0.6	7.2 ± 0.3	93.5 ± 2.9	8.2 ± 0.04	0.66 ± 0.32	35.09 ± 19.66
3	31 ± 1.1	7.2 ± 0.2	93.5 ± 2.8	8.2 ± 0.15	0.27 ± 0.38	16.86 ± 29.66
4	31 ± 0.9	7.2 ± 0.2	93.1 ± 2.9	8.2 ± 0.05	0.12 ± 0.04	5.91 ± 1.52
5	31 ± 0.6	7.2 ± 0.2	92.3 ± 1.8	8.1 ± 0.06	0.10 ± 0.00	3.89 ± 0.48
6	32 ± 0.6	7.2 ± 0.2	92.5 ± 2.2	8.4 ± 0.11	0.23 ± 0.10	14.71 ± 6.17
7	32 ± 0.9	7.3 ± 0.3	94.8 ± 2.6	8.1 ± 0.08[7]	0.15 ± 0.10 [7]	6.44 ± 5.54 [7]
8	31 ± 0.9	7.3 ± 0.2	94.0 ± 2.6	8.2 ± 0.05	0.10 ± 0.00	4.71 ± 0.52
9	30 ± 0.6	7.4 ± 0.4	95.7 ± 5.0	8.4 ± 0.13	0.10 ± 0.00	6.94 ± 2.18
10	31 ± 0.8	7.2 ± 0.3	93.9 ± 3.7	8.4 ± 0.17	0.10 ± 0.00	7.69 ± 3.05
11	31 ± 0.8	7.3 ± 0.3	94.8 ± 3.4	8.2 ± 0.05	0.29 ± 0.08	15.23 ± 6.01
12	31 ± 0.8	7.3 ± 0.3	95.1 ± 3.3	8.2 ± 0.05	0.10 ± 0.00	5.38 ± 0.52
13	31 ± 0.9	7.3 ± 0.3	95.2 ± 3.1	8.2 ± 0.04	0.10 ± 0.00	5.14 ± 0.47
S1	32 ± 0.6	7.1 ± 0.2	92.7 ± 2.9	8.1 ± 0.07	2.80 ± 0.56	125.09 ± 39.35
S2	31 ± 0.8	7.1 ± 0.2	92.9 ± 3.0	8.2 ± 0.07	2.81 ± 0.81	128.35 ± 52.83
S3	31 ± 0.6	7.2 ± 0.3	94.5 ± 3.8	8.2 ± 0.04	0.35 ± 0.16	14.97 ± 5.91
S4	31 ± 0.7	7.2 ± 0.4	94.0 ± 4.2	8.2 ± 0.10	0.10 ± 0.00	5.44 ± 1.27
S5	31 ± 0.7	7.1 ± 0.3	92.9 ± 3.3	8.1 ± 0.05	0.14 ± 0.07	6.05 ± 3.27
S6	32 ± 0.8	7.1 ± 0.4	92.9 ± 4.6	8.2 ± 0.06	0.94 ± 0.63	40.65 ± 27.61
S7	31 ± 0.7	7.1 ± 0.3	92.2 ± 3.7	8.1 ± 0.05	0.45 ± 0.30	18.09 ± 12.69
S8	32 ± 0.7	7.0 ± 0.3	91.3 ± 3.4	8.1 ± 0.04	1.79 ± 0.60	70.66 ± 28.56
S9	31 ± 0.4	7.2 ± 0.3	94.8 ± 3.2	8.2 ± 0.04	0.10 ± 0.00	4.98 ± 0.47
S10	31 ± 1.0	7.2 ± 0.3	94.4 ± 3.4	8.2 ± 0.04	0.94 ± 0.87	39.79 ± 36.59

Appendix 18. (continued)

Station[1]	Salinity (‰)	DO[2] (mg/L)	% DO[3]	pH	TAN[4] (mg/L)	UAN[5] (µg/L)
S11	31 ± 0.8	7.3 ± 0.3	94.7 ± 4.0	8.2 ± 0.05	0.57 ± 0.34	26.53 ± 15.79
S12	31 ± 1.0	7.2 ± 0.4	94.1 ± 4.5	8.2 ± 0.05	0.37 ± 0.32	16.74 ± 14.66
S13	31 ± 0.9	7.9 ± 1.2	95.1 ± 3.8	8.2 ± 0.07	0.86 ± 0.42	38.94 ± 22.46
S14	31 ± 1.0	7.2 ± 0.3	94.8 ± 3.7	8.2 ± 0.06	0.14 ± 0.06	6.07 ± 2.20
S15	33 ± 1.1	7.2 ± 0.3	94.2 ± 3.9	8.1 ± 0.06	0.96 ± 0.35	33.05 ± 11.32
R1	32 ± 0.4	7.2 ± 0.3	94.0 ± 3.2	8.1 ± 0.11	0.17 ± 0.11	7.13 ± 4.98
R2	32 ± 1.0	7.2 ± 0.3	94.4 ± 3.7	8.1 ± 0.06	0.10 ± 0.00	3.66 ± 0.52
R3	32 ± 0.7	7.2 ± 0.3	94.2 ± 3.4	8.1 ± 0.05	0.10 ± 0.00	3.50 ± 0.37
R4	31 ± 1.0	7.1 ± 0.2	92.2 ± 3.5	8.0 ± 0.05	0.10 ± 0.00	3.52 ± 0.44
R5	31 ± 1.0	7.0 ± 0.2	91.8 ± 3.0	8.4 ± 0.09	0.62 ± 0.31	41.28 ± 21.99
R6	31 ± 0.8	7.2 ± 0.3	93.3 ± 2.2	8.2 ± 0.05	0.14 ± 0.06	6.12 ± 2.90
R7	32 ± 0.6	7.0 ± 0.3	91.4 ± 2.5	8.2 ± 0.05	1.44 ± 0.42	74.38 ± 29.25
R8	32 ± 0.9	7.2 ± 0.2	93.5 ± 1.9	8.3 ± 0.02 [7]	0.10 ± 0.00 [7]	5.47 ± 0.20 [7]

[1] Station refers to the sample ID. (Numbers only, S's and R's refer to sites of concern, storm water discharge, and historical reference sites, respectively.)

[2] Dissolved oxygen

[3] Percent saturation of dissolved oxygen

[4] Total ammonia as nitrogen

[5] Unionized ammonia

[6] Reference sediment collected in Redfish Bay, Texas.

[7] Sample missing; n=4 for the parameters indicated.

Appendix 19. Water quality parameters at the initiation of the Corpus Christi Bay National Estuary Program *Mysidopsis bahia* solid-phase test (n=8).

Station[1]	Salinity (‰)	% DO	pH	Temperature (°C)
Reference[a]	21 ± 0.05	91.6 ± 1.3	7.9 ± 0.18	24.60 ± 0.13
Reference[b]	21 ± 0.11	88.6 ± 3.3	8.0 ± 0.14	23.35 ± 0.05
Reference[c]	21 ± 0.05	89.9 ± 0.8	8.2 ± 0.05	24.18 ± 0.60
Reference[d]	21 ± 0.08	90.6 ± 3.1	8.2 ± 0.0	24.71 ± 0.63
Reference[e]	21 ± 0.09	95.8 ± 0.8	8.2 ± 0.10	25.28 ± 0.38
1 [c]	22 ± 0.04	87.1 ± 1.8	8.3 ± 0.05	23.96 ± 0.53
2 [c]	22 ± 0.10	87.2 ± 3.7	8.2 ± 0.04	24.41 ± 0.53
3 [b]	22 ± 0.07	88.2 ± 1.5	8.3 ± 0.04	23.30 ± 0.00
4 [c]	22 ± 0.05	86.4 ± 1.6	8.3 ± 0.05	24.13 ± 0.32
5 [b]	22 ± 0.14	81.0 ± 3.4	8.3 ± 0.04	23.21 ± 0.03
6 [c]	22 ± 0.09	86.6 ± 1.5	8.2 ± 0.0	24.08 ± 0.45
7 [a]	22 ± 0.03	93.4 ± 0.9	8.1 ± 0.0	24.44 ± 0.05
8 [a]	22 ± 0.11	89.4 ± 1.8	8.2 ± 0.05	24.58 ± 0.07
9 [b]	21 ± 0.07	87.2 ± 1.0	8.3 ± 0.0	23.13 ± 0.04
10 [b]	22 ± 0.10	84.8 ± 3.2	8.2 ± 0.0	23.04 ± 0.05
11 [c]	21 ± 0.05	86.8 ± 1.4	8.2 ± 0.07	24.05 ± 0.33
12 [d]	21 ± 0.10	89.5 ± 3.2	8.2 ± 0.05	24.76 ± 0.60
13 [d]	22 ± 0.06	91.6 ± 0.99	8.2 ± 0.05	25.28 ± 0.28
S1 [c]	22 ± 0.08	81.6 ± 1.6	8.1 ± 0.06	24.01 ± 0.46
S2 [c]	22 ± 0.07	88.5 ± 2.1	8.2 ± 0.09	24.36 ± 0.46
S3 [d]	22 ± 0.16	89.4 ± 2.6	8.2 ± 0.04	24.95 ± 0.43
S4 [e]	22 ± 0.38	90.8 ± 5.9	8.3 ± 0.13	24.45 ± 0.45
S5 [e]	22 ± 0.13	95.9 ± 1.0	8.3 ± 0.12	25.28 ± 0.28
S6 [a]	22 ± 0.07	86.4 ± 4.4	8.0 ± 0.06	24.33 ± 0.07

Appendix 19. (continued)

Station[1]	Salinity (‰)	% DO	pH	Temperature (°C)
S7 [d]	22 ± 0.21	87.9 ± 7.1	8.1 ± 0.07	25.13 ± 0.55
S8 [d]	22 ± 0.15	88.5 ± 3.8	8.1 ± 0.14	25.10 ± 0.37
S9 [c]	22 ± 0.53	86.4 ± 3.5	8.2 ± 0.06	24.20 ± 0.46
S10 [e]	22 ± 0.07	95.4 ± 1.0	8.3 ± 0.12	25.18 ± 0.45
S11 [b]	22 ± 0.17	87.9 ± 2.0	8.1 ± 0.06	23.33 ± 0.07
S12 [d]	22 ± 0.14	90.8 ± 1.5	8.2 ± 0.05	24.91 ± 0.37
S13 [d]	22 ± 0.11	89.8 ± 2.6	8.2 ± 0.03	24.85 ± 0.45
S14 [e]	22 ± 0.05	96.1 ± 1.2	8.3 ± 0.09	25.33 ± 0.32
S15 [e]	23 ± 0.20	93.1 ± 6.5	8.2 ± 0.10	25.40 ± 0.43
R1 [a,f]	22 ± 0.16	89.0 ± 1.6	8.0 ± 0.05	24.63 ± 0.05
R2 [c]	22 ± 0.16	84.8 ± 5.1	8.3 ± 0.05	23.91 ± 0.46
R3 [d]	22 ± 0.16	88.8 ± 3.8	8.2 ± 0.0	24.94 ± 0.60
R4 [e]	22 ± 0.11	94.9 ± 1.4	8.3 ± 0.07	25.36 ± 30.48
R5 [e]	22 ± 0.10	95.2 ± 1.6	8.2 ± 0.07	24.90 ± 0.61
R6 [e]	22 ± 0.09	96.5 ± 1.2	8.3 ± 0.05	25.39 ± 0.32
R7 [a,f]	22 ± 0.20	85.4 ± 3.5	8.0 ± 0.0	24.50 ± 0.10
R8 [c]	22 ± 0.13	87.1 ± 4.3	8.2 ± 0.05	24.04 ± 0.57

[1] Station refers to the sample ID. (Numbers only, S's and R's refer to sites of concern, storm water discharge, and reference sites, respectively.)

[2] Percent saturation of dissolved oxygen

[3] Reference sediment collected in Redfish Bay, Texas.

[a-e] Tests #1-#5, respectively with corresponding control indicated by same superscript.

[f] N=7 for this sample.

Appendix 20. Water quality parameters at the termination of the Corpus Christi Bay National Estuary Program *Mysidopsis bahia* solid-phase test (n=8).

Station[1]	Salinity (‰)	% DO	pH	Temperature (°C)
Control [a]	22 ± 0.34	91.2 ± 1.0	8.3 ± 0.07	26.41 ± 0.29
Control [b]	22 ± 0.54	90.4 ± 2.1	8.3 ± 0.11	23.00 ± 0.15
Control [c]	22 ± 0.21	93.0 ± 1.6	8.2 ± 0.10	24.81 ± 0.45
Control [d]	22 ± 0.28	89.0 ± 1.3	8.4 ± 0.05	26.00 ± 0.00
Control [e]	22 ± 0.36	91.0 ± 1.3	8.3 ± 0.03	24.86 ± 0.25
1 [c]	24 ± 0.13	90.0 ± 1.7	7.9 ± 0.08	24.64 ± 0.38
2 [c]	23 ± 0.28	92.6 ± 1.0	8.2 ± 0.05	24.49 ± 0.28
3 [b]	23 ± 0.24	92.8 ± 1.2	8.4 ± 0.10	24.23 ± 0.27
4 [c]	23 ± 0.33	89.0 ± 2.2	8.2 ± 0.10	24.08 ± 0.54
5 [b]	23 ± 0.22	89.8 ± 2.3	8.3 ± 0.10	23.60 ± 0.51
6 [c]	24 ± 0.26	89.1 ± 2.2	8.2 ± 0.10	24.36 ± 0.40
7 [a]	23 ± 0.12	91.4 ± 1.4	8.3 ± 0.05	26.35 ± 0.33
8 [a]	23 ± 0.13	89.6 ± 1.1	8.4 ± 0.05	26.38 ± 0.30
9 [b]	23 ± 0.16	93.2 ± 1.6	8.5 ± 0.07	23.73 ± 0.77
10 [b]	23 ± 0.16	93.8 ± 1.4	8.4 ± 0.08	24.13 ± 0.41
11 [c]	23 ± 0.17	90.4 ± 1.9	8.2 ± 0.06	24.41 ± 0.56
12 [d]	23 ± 0.27	92.1 ± 1.7	8.4 ± 0.05	26.00 ± 0.00
13 [d]	23 ± 0.22	91.4 ± 0.5	8.4 ± 0.0	26.00 ± 0.00
S1 [c]	24 ± 0.35	81.6 ± 1.6	8.0 ± 0.05	24.01 ± 0.46
S2 [c]	23 ± 0.47	89.6 ± 3.2	8.3 ± 0.10	24.40 ± 0.58
S3 [d]	23 ± 0.23	90.4 ± 0.7	8.4 ± 0.0	26.00 ± 0.00
S4 [e]	23 ± 0.54	89.4 ± 2.7	8.4 ± 0.05	24.91 ± 0.22
S5 [e]	23 ± 0.35	89.5 ± 1.9	8.3 ± 0.05	24.79 ± 0.25
S6 [a]	23 ± 0.17	90.4 ± 0.7	8.4 ± 0.10	26.36 ± 0.33

Appendix 20. (continued)

Station[1]	Salinity (‰)	% DO	pH	Temperature (°C)
S7 [d]	23 ± 0.28	89.9 ± 1.8	8.5 ± 0.05	26.00 ± 0.00
S8 [d]	23 ± 0.31	89.6 ± 1.3	8.4 ± 0.11	26.00 ± 0.00
S9 [c]	23 ± 0.12	90.8 ± 1.8	8.2 ± 0.06	24.53 ± 0.47
S10 [e]	23 ± 0.21	88.9 ± 2.9	8.4 ± 0.08	24.84 ± 0.28
S11 [b]	23 ± 0.24	92.4 ± 3.0	8.5 ± 0.11	23.84 ± 1.01
S12 [d]	23 ± 0.72	90.9 ± 1.4	8.4 ± 0.03	26.00 ± 0.00
S13 [d]	23 ± 0.32	90.4 ± 1.6	8.3 ± 0.05	26.00 ± 0.00
S14 [e]	22 ± 0.21	86.6 ± 2.8	8.3 ± 0.07	24.89 ± 0.34
S15 [e]	23 ± 0.85	87.1 ± 1.9	8.1 ± 0.06	24.85 ± 0.25
R1 [a,f]	24 ± 0.30	89.0 ± 0.9	8.3 ± 0.12	26.37 ± 0.21
R2 [c]	23 ± 0.32	89.5 ± 1.5	8.1 ± 0.05	23.93 ± 0.62
R3 [d]	24 ± 0.37	90.1 ± 2.6	8.3 ± 0.07	26.00 ± 0.00
R4 [e]	22 ± 0.41	87.5 ± 2.7	8.3 ± 0.05	24.70 ± 0.24
R5 [e]	23 ± 0.17	87.5 ± 6.3	8.4 ± 0.07	24.91 ± 0.20
R6 [e]	23 ± 0.32	89.2 ± 1.5	8.3 ± 0.08	24.66 ± 0.11
R7 [a,f]	24 ± 0.23	91.9 ± 2.8	8.3 ± 0.05	26.14 ± 0.26
R8 [c]	23 ± 0.29	89.5 ± 1.3	8.1 ± 0.05	24.20 ± 0.59

[1] Station refers to the sample ID. (Numbers only, S's and R's refer to sites of concern, storm water discharge, and reference sites, respectively.)

[2] Percent saturation of dissolved oxygen

[3] Reference sediment collected in Redfish Bay, Texas.

[a-e] Tests #1-#5, respectively with corresponding control indicated by same superscript.

[f] N=7 for these samples.

Appendix 21. Water quality parameters after salinity adjustment and original salinity of sediment porewater samples from the Corpus Christi Bay National Estuary Program study.

Designation[1]	Salinity[2] (‰)	DO[3] (mg/L)	% DO[4]	pH	TAN[5] (mg/L)	UAN[6] (µg/L)	Sulfide[7] (mg/L)	% OUS[8]
REF [9]	32	7.25	87.6	8.31	1.26	78.09	< 0.1	94
1	40	8.24	97.9	8.02	3.55	116.35	< 0.1	75
2	39	7.9	95.9	8.02	2.69	88.16	< 0.1	77
3	39	7.96	98.2	8.11	2.26	90.44	< 0.1	77
4	38	7.77	96.2	8.09	2.17	83.08	< 0.1	79
5	38	7.08	89.9	8.09	5.38	205.98	< 0.1	79
6	42	8.42	102.4	8.03	4.68	156.83	< 0.1	71
7	39	8.26	100.5	8.01	1.35	43.27	< 0.1	77
8	40	7.69	96.1	8.02	1.6	52.44	< 0.1	75
9	34	7.27	92.3	8.12	5.4	220.93	< 0.1	88
10	41	8.19	101.2	8.07	0.88	32.23	< 0.1	73
11	35	8.07	98.8	8.12	0.42	17.18	< 0.1	86
12	36	7.63	95.1	8.31	1.36	84.29	< 0.1	73
13	42	7.92	97.7	7.95	0.26	7.29	< 0.1	71
S1	37	7.71	95.8	8.08	15.7	587.93	< 0.1	81
S2	39	7.56	92.9	8.01	2.84	91.03	< 0.1	77
S3	38	7.7	96	8.24	1.61	85.72	< 0.1	79
S4	39	7.52	95.2	8.04	1.17	40.09	< 0.1	77
S5	38	8.06	101.5	7.93	0.25	6.70	< 0.1	79
S6	39.5	7.96	99.6	7.79	0.31	6.06	< 0.1	76
S7	40	7.66	95.4	7.85	0.31	6.94	< 0.1	75
S8	40	7.59	94.5	7.83	0.92	19.70	< 0.1	75
S9	40	7.32	91.1	8.17	0.15	6.85	< 0.1	75

Appendix 21. (continued)

Designation[1]	Salinity[2] (‰)	DO[3] (mg/L)	% DO[4]	pH	TAN[5] (mg/L)	UAN[6] (µg/L)	Sulfide[7] (mg/L)	% OUS[8]
S10	39	7.03	88.3	7.91	0.71	18.20	< 0.1	77
S11	39.5	7.78	97.5	7.99	0.69	21.15	< 0.1	76
S12	40	7.06	89.2	8.08	1.81	67.78	< 0.1	75
S13	40	7.4	93.6	8.05	3.57	125.08	< 0.1	75
S14	40	7.36	92.8	8.07	0.32	11.72	< 0.1	75
S15	54	7.05	92.2	8.23	7.71	401.63	< 0.1	56
R1	37	7.39	95.3	7.8	24.4	488.22	< 0.1	81
R2	40	7.88	100.1	8.11	2.89	115.65	< 0.1	75
R3	38	8.16	102.5	8.01	4.47	143.27	< 0.1	79
R4	39	7.59	96.8	8.26	2.02	112.33	< 0.1	77
R5	41	7.43	95.4	7.97	5.83	170.90	< 0.1	73
R6	40	7.18	91.6	8.34	1.59	105.12	< 0.1	75
R7	42	7.35	93.9	8.04	11.5	394.05	< 0.1	71
R8	40	7.27	93.3	8.08	1.33	49.81	< 0.1	75

[1] Station refers to sample ID. (Numbers only, S's and R's refer to sites of concern, storm water discharge and historical reference sites, respectively.)

[2] Salinity of sample prior to adjustment. Samples adjusted to 30±1‰.

[3] Dissolved oxygen

[4] Percent saturation of dissolved oxygen

[5] Total ammonia as nitrogen

[6] Unionized ammonia

[7] Measured as S^{-2}

[8] Percent of original sample after salinity adjustment

[9] Reference pore water extracted from sediment collected in Redfish Bay, Texas.

Appendix 22. Macrofauna species list for the Corpus Christi Bay National Estuary Program storm water outfall study. All five replicates are summed for each station by vertical sections, yielding the total number per 177 cm^2. Total densities are summed by section (SED), and by station (STA). Where the species are listed as "No species observed,", at least one replicate for that station-section combination had no organisms present.

---------- Station=1 Section=0-3 cm ----------

Species	n/177 cm^2
Mulinia lateralis	1
Polydora ligni	1
Streblospio benedicti	119
Haploscoloplos foliosus	1
Capitella capitata	4
Mediomastus ambiseta	1
Ampelisca abdita	1
Leptochelia rapax	1

SEC	129

---------- Station=1 Section=3-10 cm ----------

Species	n/177 cm^2
Microphthalmus abberrans	3
Laeonereis culveri	1
Streblospio benedicti	29
Capitella capitata	1

SEC	34
STA	163

---------- Station=2 Section=0-3 cm ----------

Species	n/177 cm^2
Lyonsia hyalina floridana	1
Capitella capitata	3
No species observed	0

SEC	4

---------- Station=2 Section=3-10 cm^2 ----------

Species	n/177 cm^2
No species observed	0
STA	4

---------- Station=3 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Cyclinella tenuis	1
Nassarius acutus	3
Nassarius vibex	1
Pyrgiscus sp.	1
Mulinia lateralis	1
Chione cancellata	1
Paleanotus heteroseta	1
Exogone sp.	1
Glycinde solitaria	1
Schistomeringos sp. A	3
Polydora ligni	1
Paraprionospio pinnata	1
Polydora caulleryi	3
Tharyx setigera	38
Scoloplos rubra	3
Mediomastus ambiseta	2
Melinna maculata	1
Megalomma bioculatum	2
Oligochaetes (unidentified)	10
SEC	76

---------- Station=3 Section=3-10 cm ----------

Species	n/177 cm^2
Anthozoa (unidentified)	1
Turbellaria (unidentified)	1
Tagelus divisus	2
Paleanotus heteroseta	2
Cabira incerta	1
Ceratonereis irritabilis	2
Polydora caulleryi	7
Tharyx setigera	30
Oligochaetes (unidentified)	1
Pinnixa sp.	1

SEC	48
STA	124

---------- Station=4 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	16
Phoronis architecta	14
Acteocina canaliculata	2
Pyrgiscus sp.	2
Mulinia lateralis	10
Periploma margaritaceum	1
Polydora caulleryi	6
Magelona rosea	1
Tharyx setigera	17
Mediomastus ambiseta	1
Melinna maculata	1
Oligochaetes (unidentified)	3
Pinnixa sp.	2
Ophiuroidea (unidentified)	8

SEC	84

---------- Station=4 Section=3-10 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	10
Schistomeringos sp. A	2
Polydora caulleryi	6
Tharyx setigera	34
Cossura delta	2
Notomastus latericeus	2
Mediomastus ambiseta	5
Asychis elongata	3
Oligochaetes (unidentified)	9
Pinnixa sp.	1
Ophiuroidea (unidentified)	3

SEC	77
STA	161

---------- Station=5 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	6
Rhynchocoela (unidentified)	3
Phoronis architecta	2
Mulinia lateralis	1
Cumingia tellinoides	1
Syllis cornuta	2
Ceratonereis irritabilis	1
Lysidice ninetta	14
Schistomeringos sp. A	1
Spiochaetopterus costarum	2
Tharyx setigera	17
Mediomastus ambiseta	26
Melinna maculata	2
Megalomma bioculatum	1
Pomatoceros americanus	10
Sarsiella zostericola	1
Pinnixa sp.	1

---------- Station=5 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Ophiuroidea (unidentified)	4

SEC	95

---------- Station=5 Section=3-10 cm ----------

Species	n/177 cm^2
Glycinde solitaria	1
Diopatra cuprea	1
Polydora caulleryi	41
Tharyx setigera	6
Aricidea fragilis	1
Notomastus latericeus	1
Mediomastus ambiseta	4
Melinna maculata	2
Oligochaetes (unidentified)	1
Pinnixa sp.	2
Ophiuroidea (unidentified)	2
No species observed	0

SEC	62
STA	157

---------- Station=6 Section=0-3 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Mulinia lateralis	9
Anomalocardia auberiana	5
Syllis cornuta	3
Onuphis eremita	1

---------- Station=6 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Paraprionospio pinnata	1
Polydora socialis	1
Streblospio benedicti	14
Polydora sp.	1
Haploscoloplos foliosus	1
Armandia maculata	4
Capitella capitata	1
Mediomastus ambiseta	67
Oligochaetes (unidentified)	1

SEC	110

---------- Station=6 Section=3-10 cm ----------

Species	n/177 cm^2
Polychaete juv. (unidentified)	1
Glycinde solitaria	1
Streblospio benedicti	2
Capitella capitata	2
Mediomastus ambiseta	1
Xenanthura brevitelson	1
No species observed	0

SEC	8
STA	118

---------- Station=7 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Rhynchocoela (unidentified)	1

---------- Station=7 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Mulinia lateralis	5
Syllis cornuta	4
Streblospio benedicti	2
Paraonis fulgens	20
Armandia agilis	2
Leptocuma sp.	2

SEC	37

---------- Station=7 Section=3-10 cm ----------

Species	n/177 cm^2
Streblospio benedicti	1
Haploscoloplos foliosus	1
Aricidea fragilis	3
Paraonis fulgens	60

SEC	65
STA	102

---------- Station=8 Section=0-3 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Phoronis architecta	1
Mulinia lateralis	3
Paleanotus heteroseta	4
Glycinde solitaria	3
Onuphis eremita	1
Streblospio benedicti	121
Polydora caulleryi	8

---------- Station=8 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Armandia agilis	2
Armandia maculata	1
Mediomastus ambiseta	150
Oligochaetes (unidentified)	8
Paguridae juv.	1
Megalops	1

SEC	305

---------- Station=8 Section=3-10 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Paleanotus heteroseta	3
Onuphis eremita	1
Paraprionospio pinnata	1
Streblospio benedicti	1
Polydora caulleryi	1
Tharyx setigera	19
Mediomastus ambiseta	6
Oligochaetes (unidentified)	22

SEC	55
STA	360

---------- Station=9 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Mulinia lateralis	2
Anomalocardia auberiana	1

---------- Station=9 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Eteone heteropoda	8
Microphthalmus abberrans	4
Laeonereis culveri	4
Polydora ligni	19
Streblospio benedicti	757
Haploscoloplos sp.	1
Capitella capitata	182
Mediomastus ambiseta	6
Ostracoda (unidentified)	2
Corophium louisianum	1

SEC	988

---------- Station=9 Section=3-10 cm ----------

Species	n/177 cm^2
Microphthalmus abberrans	2
Laeonereis culveri	6
Polydora ligni	3
Streblospio benedicti	3
Capitella capitata	59
Oligochaetes (unidentified)	1

SEC	74
STA	1062

---------- Station=10 Section=0-3 cm ----------

Species	n/177 cm^2
Cumingia tellinoides	2
Eteone heteropoda	1

---------- Station=10 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Sphaerosyllis sp. A	1
Streblospio benedicti	17
Capitella capitata	3
Mediomastus ambiseta	4
Maldanidae (unidentified)	1
Oligochaetes (unidentified)	1
Pseudodiaptomus coronatus	1
Leptochelia rapax	1

SEC	32

---------- Station=10 Section=3-10 cm ----------

Species	n/177 cm^2
Nereidae (unidentified)	1
Spio pettiboneae	1
Scoloplos rubra	1
Aricidea fragilis	1
Capitella capitata	4
Oligochaetes (unidentified)	21

SEC	29
STA	61

---------- Station=11 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Phoronis architecta	1
Acteocina canaliculata	1
Chione cancellata	1

---------- Station=11 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Periploma margaritaceum	5
Exogone sp.	6
Brania clavata	1
Glycinde solitaria	4
Onuphidae	1
Schistomeringos sp. A	16
Polydora ligni	1
Polydora socialis	1
Polydora caulleryi	16
Aricidea fragilis	1
Cirrophorus lyra	4
Aricidea catharinae	7
Armandia maculata	1
Mediomastus ambiseta	54
Maldanidae (unidentified)	1
Oligochaetes (unidentified)	22
Phascolion strombi	5
Ostracoda (unidentified)	1
Microprotopus spp.	1
Ophiuroidea (unidentified)	1

SEC	153

---------- Station=11 Section=3-10 cm ----------

Species	n/177 cm^2
Anthozoa (unidentified)	1
Rhynchocoela (unidentified)	2
Aligena texasiana	1
Paleanotus heteroseta	5
Gyptis vittata	2
Exogone sp.	3
Brania clavata	3
Ceratonereis irritabilis	1

---------- Station=11 Section=3-10 cm ----------
(continued)

Species	n/177 cm^2
Schistomeringos rudolphi	4
Schistomeringos sp. A	5
Polydora caulleryi	21
Tharyx setigera	8
Scoloplos rubra	1
Aricidea fragilis	32
Cirrophorus lyra	17
Aricidea catharinae	4
Capitella capitata	1
Notomastus latericeus	1
Mediomastus ambiseta	14
Clymenella torquata	5
Axiothella mucosa	1
Oligochaetes (unidentified)	28
Listriella clymenellae	7

SEC	167
STA	320

---------- Station=12 Section=0-3 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Acteocina canaliculata	1
Pyrgiscus sp.	2
Mulinia lateralis	1
Lyonsia hyalina floridana	1
Periploma margaritaceum	12
Schistomeringos sp. A	5
Polydora caulleryi	12
Tharyx setigera	6
Aricidea catharinae	14
Mediomastus ambiseta	41
Oligochaetes (unidentified)	9

---------- Station=12 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Pseudodiaptomus coronatus	1
Megalops	1
Listriella clymenellae	1
Ophiuroidea (unidentified)	1
SEC	109

---------- Station=12 Section=3-10 cm ----------

Species	n/177 cm^2
Mysella planulata	1
Ceratonereis irritabilis	2
Schistomeringos sp. A	3
Polydora caulleryi	20
Magelona phyllisae	2
Tharyx setigera	19
Aricidea catharinae	5
Mediomastus ambiseta	15
Capitellidae (unidentified)	1
Asychis elongata	1
Axiothella mucosa	1
Eupomatus protulicola	4
Oligochaetes (unidentified)	81
Ophiuroidea (unidentified)	2
Schizocardium sp.	1
SEC	158
STA	267

---------- Station=13 Section=0-3 cm ----------

Species	n/177 cm^2
Pelecypoda (unidentified)	1
Anomalocardia auberiana	16
Sphaerosyllis sp. A	2
Prionospio heterobranchia	2
Streblospio benedicti	15
Haploscoloplos sp.	4
Capitella capitata	5
Oligochaetes (unidentified)	1
Grandidierella bonnieroides	2

SEC	48

---------- Station=13 Section=3-10 cm ----------

Species	n/177 cm^2
Laeonereis culveri	1
Magelona pettiboneae	1
Capitella capitata	3
Oligochaetes (unidentified)	3
Grandidierella bonnieroides	1

SEC	9
STA	57

---------- Station=R1 Section=0-3 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Mulinia lateralis	9
Streblospio benedicti	2
Mediomastus ambiseta	2
Maldanidae (unidentified)	2

---------- Station=R1 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Ampelisca abdita	17
SEC	33

---------- Station=R1 Section=3-10 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	2
Gyptis vittata	1
Streblospio benedicti	1
Cossura delta	7
Mediomastus ambiseta	3
Axiothells sp. A	2
Maldanidae (unidentified)	2
Ampelisca abdita	2
SEC	20
STA	53

---------- Station=R2 Section=0-3 cm ----------

Species	n/177 cm^2
Anthozoa (unidentified)	11
Turbellaria (unidentified)	1
Phoronis architecta	2
Nuculana acuta	1
Mulinia lateralis	7
Lyonsia hyalina floridana	1
Sphaerosyllis sp. A	1
Polydora caulleryi	1
Tharyx setigera	5

---------- Station=R2 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Mediomastus ambiseta	6
Axiothells sp. A	1
Maldanidae (unidentified)	1
Sarsiella texana	1
Caprellidae sp.	2

SEC	41

---------- Station=R2 Section=3-10 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Phoronis architecta	1
Vitrinellidae (unidentified)	2
Ceratonereis irritabilis	1
Diopatra cuprea	1
Schistomeringos sp. A	8
Polydora caulleryi	17
Tharyx setigera	48
Notomastus latericeus	2
Notomastus cf. latericeus	1
Mediomastus ambiseta	9
Clymenella torquata	1
Axiothells sp. A	2
Melinna maculata	1
Pinnixa sp.	1
Erichthonias brasiliensis	1
Listriella clymenellae	3
Caprellidae sp.	5

SEC	105
STA	146

---------- Station=R3 Section=0-3 cm ----------

Species	n/177 cm^2
Anthozoa (unidentified)	13
Turbellaria (unidentified)	2
Rhynchocoela (unidentified)	5
Crepidula sp	1
Anachis obesa	3
Mulinia lateralis	41
Paleanotus heteroseta	1
Gyptis vittata	1
Exogone sp.	2
Ceratonereis irritabilis	1
Schistomeringos sp. A	5
Polydora socialis	1
Polydora caulleryi	1
Spiochaetopterus costarum	1
Tharyx setigera	5
Cossura delta	1
Naineris sp. A	2
Aricidea fragilis	1
Armandia maculata	1
Mediomastus ambiseta	13
Maldanidae (unidentified)	2
Megalomma bioculatum	1
Pomatoceros americanus	24
Eupomatus dianthus	4
Eupomatus protulicola	19
Oligochaetes (unidentified)	2
Pagurus annulipes	3
Pinnixa sp.	1
Erichthonias brasiliensis	7
Corophium ascherusicum	4
Batea catharinensis	1
Caprellidae sp.	8
Ophiuroidea (unidentified)	7
Thyome mexicana	1
Ascidiacea	1

SEC	186

---------- Station=R3 Section=3-10 cm ----------

Species	n/177 cm^2
Paleanotus heteroseta	4
Ancistrosyllis groenlandica	1
Lumbrineris parvapedata	3
Drilonereis magna	2
Schistomeringos sp. A	3
Polydora caulleryi	6
Magelona pettiboneae	1
Tharyx setigera	16
Cossura delta	6
Aricidea fragilis	2
Mediomastus ambiseta	21
Maldanidae (unidentified)	1
Ophiuroidea (unidentified)	5

SEC	71
STA	257

---------- Station=R4 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	2
Rhynchocoela (unidentified)	3
Phoronis architecta	1
Crepidula plana	1
Nassarius acutus	1
Pyrgiscus sp.	1
Mulinia lateralis	1
Abra aequalis	1
Gyptis vittata	1
Glycinde solitaria	6
Schistomeringos sp. A	11
Paraprionospio pinnata	1
Polydora caulleryi	9
Tharyx setigera	4
Cirrophorus lyra	1

---------- Station=R4 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Aricidea catharinae	2
Armandia maculata	2
Mediomastus ambiseta	86
Axiothella mucosa	2
Maldanidae (unidentified)	3
Fabricia sp. A	1
Chone sp.	1
Megalomma bioculatum	1
Eupomatus protulicola	2
Oligochaetes (unidentified)	1
Phascolion strombi	6
Pseudodiaptomus coronatus	1
Ampelisca sp. B	1
Listriella clymenellae	1

SEC	154

---------- Station=R4 Section=3-10 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	7
Vitrinellidae (unidentified)	1
Periploma margaritaceum	1
Malmgreniella taylori	1
Paleanotus heteroseta	10
Paramphinome jeffreysii	1
Ancistrosyllis groenlandica	1
Gyptis vittata	3
Glycinde solitaria	1
Onuphis eremita	1
Lumbrineris parvapedata	7
Drilonereis magna	1
Schistomeringos rudolphi	1
Schistomeringos sp. A	4

---------- Station=R4 Section=3-10 cm ----------
(continued)

Species	n/177 cm^2
Polydora caulleryi	121
Spiochaetopterus costarum	1
Tharyx setigera	86
Aricidea fragilis	2
Cirrophorus lyra	14
Aricidea catharinae	3
Notomastus latericeus	4
Mediomastus ambiseta	11
Branchioasychis americana	1
Euclymene sp. B	1
Megalomma bioculatum	1
Oligochaetes (unidentified)	29
Ophiuroidea (unidentified)	1
SEC	315
STA	469

---------- Station=R5 Section=0-3 cm ----------

Species	n/177 cm^2
Nassarius acutus	1
Glycinde solitaria	2
Apoprionospio pygmaea	1
Streblospio benedicti	29
Spiochaetopterus costarum	1
Armandia maculata	1
Mediomastus ambiseta	19
Oligochaetes (unidentified)	1
SEC	55

---------- Station=R5 Section=3-10 cm ----------

Species	n/177 cm^2
Magelona pettiboneae	1
Branchioasychis americana	1
Oligochaetes (unidentified)	3
No species observed	0

SEC	5
STA	60

---------- Station=R6 Section=0-3 cm ----------

Species	n/177 cm^2
Pelecypoda (unidentified)	1
Syllis cornuta	1
Glycinde solitaria	1
Apoprionospio pygmaea	1
Streblospio benedicti	1
Paraonis fulgens	5
Armandia maculata	1
No species observed	0

SEC	11

---------- Station=R6 Section=3-10 cm ----------

Species	n/177 cm^2
Laeonereis culveri	1
Streblospio benedicti	1
Scoloplos rubra	2
Aricidea fragilis	2
Paraonis fulgens	34
Armandia maculata	1
Capitella capitata	2

SEC	43
STA	54

---------- Station=R7 Section=0-3 cm ----------

Species	n/177 cm^2
Acteocina canaliculata	1
Mulinia lateralis	1
Eteone heteropoda	1
Glycinde solitaria	1
Streblospio benedicti	37
Mediomastus ambiseta	9

SEC	50

---------- Station=R7 Section=3-10 cm ----------

Species	n/177 cm^2
Glycinde solitaria	3
Paraprionospio pinnata	1
Streblospio benedicti	1
Oligochaetes (unidentified)	7

SEC	12
STA	62

---------- Station=R8 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Rhynchocoela (unidentified)	3
Acteocina canaliculata	1
Mulinia lateralis	2
Chione cancellata	1
Mystides rarica	1
Syllis cornuta	11
Paraprionospio pinnata	1
Paraonis fulgens	4
Armandia agilis	2
Mediomastus ambiseta	7
Axiothella mucosa	1
Pagurus longicarpus	2
Microprotopus spp.	3

SEC	40

---------- Station=R8 Section=3-10 cm ----------

Species	n/177 cm^2
Laeonereis culveri	1
Polydora ligni	1
Scoloplos rubra	1
Aricidea fragilis	2
Paraonis fulgens	6
Capitella capitata	1
Mediomastus ambiseta	1
Axiothella mucosa	1
Oligochaetes (unidentified)	6
Xenanthura brevitelson	1

SEC	21
STA	61

---------- Station=S1 Section=0-3 cm ----------

Species	n/177 cm^2
No species observed	0

---------- Station=S1 Section=3-10 cm ----------

Species	n/177 cm^2
No species observed	0

STA	0

---------- Station=S2 Section=0-3 cm ----------

Species	n/177 cm^2
Mulinia lateralis	166
Exogone sp.	1
Paraonis fulgens	2
Ophiuroidea (unidentified)	1

SEC	170

---------- Station=S2 Section=3-10 cm ----------

Species	n/177 cm^2
Mulinia lateralis	3
Cirrophorus lyra	1
Paraonis fulgens	3
Oligochaetes (unidentified)	1
Xenanthura brevitelson	3

SEC	11
STA	181

---------- Station=S3 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Phoronis architecta	9
Nassarius acutus	1
Mulinia lateralis	119
Syllis cornuta	7
Onuphis eremita	1
Schistomeringos sp. A	2
Magelona pettiboneae	1
Tharyx setigera	2
Scoloplos rubra	1

SEC	144

---------- Station=S3 Section=3-10 cm ----------

Species	n/177 cm^2
Phoronis architecta	5
Magelona pettiboneae	2
Scoloplos rubra	1
Aricidea fragilis	5
Oligochaetes (unidentified)	3
Xenanthura brevitelson	2

SEC	18
STA	162

---------- Station=S4 Section=0-3 cm ----------

Species	n/177 cm^2
Anthozoa (unidentified)	6
Turbellaria (unidentified)	3
Rhynchocoela (unidentified)	2
Phoronis architecta	6
Caecum pulchellum	1
Chione cancellata	10
Paleanotus heteroseta	3
Sigambra sp.	1
Exogone sp.	4
Onuphis eremita	3
Schistomeringos sp. A	10
Paraprionospio pinnata	1
Polydora caulleryi	1
Magelona pettiboneae	1
Tharyx setigera	14
Notomastus cf. latericeus	1
Mediomastus ambiseta	30
Isolda pulchella	5
Oligochaetes (unidentified)	6
Latonopsis occidentalis	3
Pinnixa sp.	1
Argissa hamatipes	1
Ophiuroidea (unidentified)	4

SEC	117

---------- Station=S4 Section=3-10 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	2
Phoronis architecta	3
Sigambra sp.	2
Syllidae (unidentified)	4
Onuphis eremita	3
Polydora caulleryi	37

---------- Station=S4 Section=3-10 cm ----------
(continued)

Species	n/177 cm^2
Tharyx setigera	46
Aricidea fragilis	2
Mediomastus ambiseta	5
Branchioasychis americana	2
Maldanidae (unidentified)	1
Isolda pulchella	1
Terebellidae (unidentified)	1
Oligochaetes (unidentified)	18
Latonopsis occidentalis	1
Pinnixa sp.	3
Argissa hamatipes	1

SEC	132
STA	249

---------- Station=S5 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Nassarius acutus	1
Mulinia lateralis	52
Syllis cornuta	4
Aricidea fragilis	1
Xenanthura brevitelson	1

SEC	60

---------- Station=S5 Section=3-10 cm ----------

Species	n/177 cm^2
Aricidea fragilis	4

---------- Station=S5 Section=3-10 cm ----------
(continued)

Species	n/177 cm^2
Paraonis fulgens	1
Xenanthura brevitelson	6

SEC	11
STA	71

---------- Station=S6 Section=0-3 cm ----------

Species	n/177 cm^2
Mulinia lateralis	50
Anomalocardia auberiana	1
Syllis cornuta	1
Onuphis eremita	1
Paraonis fulgens	19

SEC	72

---------- Station=S6 Section=3-10 cm ----------

Species	n/177 cm^2
Aricidea fragilis	3
Paraonis fulgens	8
Xenanthura brevitelson	2
No species observed	0

SEC	13
STA	85

---------- Station=S7 Section=0-3 cm ----------

Species	n/177 cm^2
Mulinia lateralis	169
Paraonis fulgens	26
Xenanthura brevitelson	1

SEC	196

---------- Station=S7 Section=3-10 cm ----------

Species	n/177 cm^2
Phoronis architecta	2
Aricidea fragilis	1
Paraonis fulgens	37

SEC	40
STA	236

---------- Station=S8 Section=0-3 cm ----------

Species	n/177 cm^2
Mulinia lateralis	20
Syllis cornuta	7
Paraonis fulgens	6
Synchelidium americanum	4

SEC	37

---------- Station=S8 Section=3-10 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Mulinia lateralis	1
Paraonis fulgens	10

SEC	12
STA	49

---------- Station=S9 Section=0-3 cm ----------

Species	n/177 cm^2
Phoronis architecta	1
Mulinia lateralis	11
Syllis cornuta	31
Scolelepis texana	1
Paraonis fulgens	11
Armandia agilis	2
Latonopsis occidentalis	1
Leptocuma sp.	1
Synchelidium americanum	2
Amphilochus sp.	1

SEC	62

---------- Station=S9 Section=3-10 cm ----------

Species	n/177 cm^2
Anthozoa (unidentified)	1
Syllis cornuta	1
Magelona pettiboneae	1
Aricidea fragilis	1
Paraonis fulgens	30

SEC	34
STA	96

---------- Station=S10 Section=0-3 cm ----------

Species	n/177 cm^2
Mulinia lateralis	14
Syllis cornuta	61
Glycinde solitaria	2
Apoprionospio pygmaea	1
Scolelepis texana	1
Paraonis fulgens	11
Armandia agilis	2
Synchelidium americanum	2

SEC	94

---------- Station=S10 Section=3-10 cm ----------

Species	n/177 cm^2
Syllis cornuta	1
Onuphis eremita	1
Scolelepis texana	1
Paraonis fulgens	46
Armandia agilis	2
Xenanthura brevitelson	3

SEC	54
STA	148

---------- Station=S11 Section=0-3 cm ----------

Species	n/177 cm^2
Mulinia lateralis	12
Syllis cornuta	5
Glycinde solitaria	1
Onuphis eremita	1
Scolelepis texana	1
Spiophanes bombyx	2
Paraonis fulgens	7
Armandia maculata	4
Mediomastus ambiseta	2
Oligochaetes (unidentified)	1
Synchelidium americanum	1
Xenanthura brevitelson	1
SEC	38

---------- Station=S11 Section=3-10 cm ----------

Species	n/177 cm^2
Mulinia lateralis	1
Syllis cornuta	1
Spiophanes bombyx	2
Magelona pettiboneae	1
Aricidea fragilis	1
Paraonis fulgens	7
Mediomastus ambiseta	1
Xenanthura brevitelson	1
No species observed	0
SEC	15
STA	53

---------- Station=S12 Section=0-3 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Pelecypoda (unidentified)	1
Mulinia lateralis	4
Chione cancellata	2
Syllis cornuta	47
Spiophanes bombyx	1
Paraonis fulgens	34
Armandia maculata	3
Pagurus longicarpus	1
Leptocuma sp.	2
Amphipoda (unidentified)	1
Synchelidium americanum	1
Xenanthura brevitelson	1
SEC	99

---------- Station=S12 Section=3-10 cm ----------

Species	n/177 cm^2
Spiophanes bombyx	1
Paraonis fulgens	6
No species observed	0
SEC	7
STA	106

---------- Station=S13 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Pelecypoda (unidentified)	1
Mulinia lateralis	2

---------- Station=S13 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Syllis cornuta	12
Onuphis eremita	1
Haploscoloplos sp.	1
Paraonis fulgens	9
Armandia maculata	2
Leptocuma sp.	1
Edotea montosa	1

SEC	31

---------- Station=S13 Section=3-10 cm ----------

Species	n/177 cm^2
Rhynchocoela (unidentified)	1
Glycinde solitaria	1
Spiophanes bombyx	3
Paraonis fulgens	26
Armandia maculata	1

SEC	32
STA	63

---------- Station=S14 Section=0-3 cm ----------

Species	n/177 cm^2
Turbellaria (unidentified)	1
Rhynchocoela (unidentified)	1
Mulinia lateralis	4
Syllis cornuta	12
Haploscoloplos sp.	3
Paraonis fulgens	5

---------- Station=S14 Section=0-3 cm ----------
(continued)

Species	n/177 cm^2
Armandia maculata	7
Mediomastus ambiseta	2
SEC	35

---------- Station=S14 Section=3-10 cm ----------

Species	n/177 cm^2
Glycinde solitaria	1
Onuphis eremita	1
Paraonis fulgens	21
Mediomastus ambiseta	2
Xenanthura brevitelson	1
SEC	26
STA	61

---------- Station=S15 Section=0-3 cm ----------

Species	n/177 cm^2
No species observed	0

---------- Station=S15 Section=3-10 cm ----------

Species	n/177 cm^2
No species observed	0
STA	0

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Appendix 23 . List of Sops Used in this study which are available in the Quality Assurance Project Plan.

Toxicity Testing

SOP-F10.6 Sea Urchin Fertilization Toxicity Test

SOP-F10.7 Sea Urchin Embryological Development Test

SOP-F10.9 Extraction and Storage of Porewater Samples

SOP-F10.12 Water Quality Adjustment of Samples

SOP-F10.15 Amphipod Solid-Phase Toxicity Test

SOP-EPA-1 Determination of the effects of contaminated Corpus Christi Sediments on survival, growth and fecundity of *Mysidopsis bahia*

Trace Organics

SOP-ST02 Extraction of Sediments for Trace Organic Analysis

SOP-9406 Quantitative Determination of Polynuclear Aromatic Hydrocarbons by Gas Chromatograph/Mass Spectrometry (GC/MS) - Selected Ion Monitoring (SIM) Mode

SOP-9302 Quantitative Determination of Chlorinated Hydrocarbons

TRACE METALS

SOP-ST08 Digestion of Sediments for Trace Metal Analysis

SOP-9325 Analysis of Trace Metals by Inductively Coupled Plasma

ANCILLARY PARAMETERS

SOP-ST14 Total Organic and Carbonate Content of Sediments

SOP-ST15 Sediment Grain Size Analysis

MACROBENTHIC INVERTEBRATES

SOP-9601 Macrobenthic Invertebrate Methods