

6.0 DATA TABLES

6.1 Sampling Site Information

Table 6.1.1. RCAP 2002 site (50) information, sample type, and sampling date. **Sample Types:** FD = Field Data, RC = Routine Conventional Water Chemistry, M = Microbiological, TMSSED = Trace Metals-Sediment, SEDORG = Sediment Organics, SEDTOX = Sediment Toxicology, TISORG = Tissue Organics, TMTIS = Trace Metals-Tissue, BEN = Benthic Cores.

Segment Number	Segment Name	CCS ID	TCEQ ID	Sample Type	Sampling Date	Latitude (dd)	Longitude (dd)	Depth (m)
2462	San Antonio/Hynes/Guadalupe Bay	245	18216	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/28/2002	28.40710	96.82887	1.24
		246	18217	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/28/2002	28.39167	96.80833	1.52
2463	Mesquite/Carlo/Ayres Bay	249	18220	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/05/2002	28.15833	96.82500	1.31
		253	18224	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/05/2002	28.14167	96.87500	0.46
		254	18225	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/05/2002	28.14167	96.82500	1.50
		256	18227	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/05/2002	28.12500	96.85833	1.43
2471	Aransas Bay	257	18228	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/05/2002	28.10833	96.92500	1.46
		259	18230	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2002	28.07500	97.02500	3.14
		260	18231	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/05/2002	28.07500	96.94167	1.94
		261	18232	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/26/2002	28.00833	96.97500	1.14
		262	18233	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/26/2002	27.91725	97.07797	1.16
2472	Copano/Port/Mission Bay	250	18221	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/06/2002	28.15413	97.16719	1.17
		252	18223	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2002	28.14167	97.04167	1.88
		255	18226	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2002	28.12500	97.14167	2.33
		258	18229	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2002	28.09167	97.20833	1.95
2473	St. Charles Bay	247	18218	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/26/2002	28.24420	96.94162	1.40
		248	18219	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/26/2002	28.19167	96.94167	1.59
		251	18222	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/26/2002	28.15185	96.95539	1.55
2481	Corpus Christi Bay	266	18237	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/12/2002	27.84223	97.34806	3.21
		268	18239	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/07/2002	27.82500	97.27500	4.25
		269	18240	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/07/2002	27.82372	97.15886	2.68
		270	18241	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/07/2002	27.79167	97.34167	3.75
		271	18242	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/07/2002	27.79167	97.30833	4.25
		272	18243	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/07/2002	27.79167	97.20833	3.95
		273	18244	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/14/2002	27.79052	97.13410	3.67
		274	18245	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/14/2002	27.75833	97.17500	1.35
		275	18246	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/14/2002	27.72500	97.27500	4.78
		276	18247	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/07/2002	27.70833	97.22500	4.50
		279	18250	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/20/2002	27.64392	97.21022	0.42

Table 6.1.1. (continued).

Segment Number	Segment Name	CCS ID	TCEQ ID	Sample Type	Sampling Date	Latitude (dd)	Longitude (dd)	Depth (m)
2482	Nueces Bay	263	18234	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/12/2002	27.87025	97.48974	1.38
		264	18235	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/12/2002	27.86080	97.51947	2.10
		267	18238	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/12/2002	27.82873	97.41988	1.57
2483	Redfish Bay	265	18236	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/14/2002	27.85833	97.12500	2.77
2485	Oso Bay	277	18248	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/20/2002	27.69924	97.32864	0.53
		278	18249	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/20/2002	27.67960	97.31287	0.80
2491	Laguna Madre	280	18251	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/20/2002	27.61555	97.26837	0.86
		281	18252	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/27/2002	27.59617	97.24392	0.50
		282	18253	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/20/2002	27.57500	97.30833	1.72
		283	18254	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/27/2002	27.50051	97.31216	0.71
		284	18255	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/27/2002	27.39919	97.37450	0.68
		290	18261	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/19/2002	27.22500	97.40833	0.92
		291	18262	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/27/2002	27.15528	97.44253	0.45
		292	18263	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/27/2002	27.07731	97.44461	0.30
		293	18264	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/27/2002	27.07939	97.40402	0.52
		294	18265	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/27/2002	27.03683	97.40428	0.42
		2492	Baffin/Alazan	285	18256	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/29/2002	27.35534
Cayo del Grullo/Laguna Salada	286		18257	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/29/2002	27.33814	97.66069	0.67
	287		18258	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/29/2002	27.33938	97.49671	1.21
	288		18259	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/19/2002	27.28295	97.41216	2.35
	289		18260	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/19/2002	27.25833	97.49167	2.25

6.2 Field Parameters – Individual Concentrations (Near-Surface and Near-Bottom Grab Samples)

Table 6.2.1. Near-surface Field Parameter concentrations recorded 0.50 m below surface at RCAP 2002 sampling sites. Shaded = value below TCEQ 24-Hour DO average criteria. Not applicable to grab samples but provides a reference. All Segments have a 5.0 mg/L DO criteria except Segment 2492 where criterion is 4.0 mg/L.

Segment	Segment Name	CCS ID	TCEQ ID	Cond. (µmhos)	DO (mg/L)	DO Sat. (%)	pH (su)	Salinity (psu)	Secchi Depth (m)	Total Depth (m)	Turbidity (NTU)	Water Temp (°C)
2462	San Antonio/Hynes/Guadalupe Bay	245	18216	747	6.73	88.80	8.14	0.36	0.25	1.24	70.70	29.63
		246	18217	1495	6.68	88.50	8.53	0.74	0.20	1.52	58.80	29.84
2463	Mesquite/Carlos/Ayres Bay	249	18220	22005	6.04	86.10	8.31	13.15	0.50	1.31	12.98	29.87
		253	18224	22660	2.96	42.10	7.86	13.58	> 0.46	0.46	9.35	29.62
		254	18225	22490	5.73	82.50	8.23	13.42	0.20	1.50	54.70	30.37
		256	18227	21589	5.82	82.90	8.34	12.87	0.40	1.43	10.75	30.20
2471	Aransas Bay	257	18228	21372	6.28	90.60	8.16	12.69	0.40	1.46	19.81	30.74
		259	18230	24626	7.11	104.80	8.24	14.84	1.00	3.14	5.03	31.55
		260	18231	25920	6.53	95.90	7.97	15.71	0.70	1.94	9.49	31.02
		261	18232	36120	7.54	115.30	8.17	22.64	> 1.14	1.14	14.70	31.30
		262	18233	44084	5.82	90.80	8.29	28.21	0.90	1.16	7.60	30.63
2472	Copano/Port/Mission Bay	250	18221	11962	6.24	84.20	8.18	6.79	0.25	1.17	20.02	28.96
		252	18223	21288	6.59	94.60	8.11	12.67	0.90	1.88	5.51	30.69
		255	18226	20143	6.54	92.50	8.18	11.96	2.00	2.33	16.46	29.97
		258	18229	20073	6.72	96.40	8.28	11.88	2.00	1.95	14.16	30.93
2473	St. Charles Bay	247	18218	16873	6.96	97.50	8.45	9.84	0.50	1.40	16.30	30.11
		248	18219	21945	5.95	84.30	8.21	13.11	0.60	1.59	11.80	29.74
		251	18222	22381	6.51	93.10	8.15	13.39	0.50	1.55	20.80	30.23
2481	Corpus Christi Bay	266	18237	31403	6.20	91.00	8.28	19.43	0.60	3.21	12.90	29.86
		268	18239	25668	6.94	100.60	8.41	15.55	1.10	4.25	2.51	30.36
		269	18240	44812	6.11	95.20	8.09	28.82	1.40	2.68	4.05	30.26
		270	18241	20872	7.78	112.40	8.48	12.40	1.00	3.75	2.30	31.14
		271	18242	23506	7.14	103.40	8.43	14.11	1.25	4.25	2.58	30.30
		272	18243	29243	6.79	99.50	8.40	17.96	1.25	3.95	2.02	30.20
		273	18244	34993	6.05	89.60	8.27	21.91	0.60	3.67	16.00	29.48
		274	18245	37943	6.12	90.90	8.14	23.98	0.50	1.35	20.30	29.10
		275	18246	34057	5.93	87.60	8.25	21.26	0.60	4.78	17.50	29.62
		276	18247	29801	7.68	114.60	8.36	18.31	1.10	4.50	2.65	31.09
2482	Nueces Bay	279	18250	58414	7.93	126.10	8.23	38.92	> 0.42	0.42	6.60	29.09
		263	18234	4463	6.68	88.10	8.50	2.36	0.25	1.38	30.40	29.00
		264	18235	4681	6.18	82.20	8.36	2.48	0.40	2.10	26.60	29.98
		267	18238	20898	6.91	97.70	8.33	12.43	0.35	1.57	7.80	29.82

Table 6.2.1. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Cond. (µmhos)	DO (mg/L)	DO Sat. (%)	pH (su)	Salinity (psu)	Secchi Depth (m)	Total Depth (m)	Turbidity (NTU)	Water Temp (°C)
2483	Redfish Bay	265	18236	38800	5.86	88.10	8.18	24.57	0.60	2.77	14.00	29.54
2485	Oso Bay	277	18248	43724	7.38	113.80	8.48	28.06	0.40	0.53	37.50	29.65
		278	18249	50749	10.49	168.40	8.54	33.13	> 0.80	0.80	4.00	30.52
2491	Laguna Madre	280	18251	67097	4.63	76.90	8.46	45.56	> 0.86	0.86	1.80	28.41
		281	18252	68962	6.29	110.10	8.46	46.90	> 0.50	0.50	7.90	31.24
		282	18253	70394	5.38	91.70	8.51	48.10	1.30	1.72	4.30	29.22
		283	18254	70981	11.82	212.20	8.54	48.43	> 0.71	0.71	18.30	32.23
		284	18255	72301	5.75	102.70	8.04	49.48	> 0.68	0.68	6.20	31.95
		290	18261	66793	4.54	74.80	8.21	45.33	> 0.92	0.92	6.40	28.19
		291	18262	64756	8.54	145.30	8.51	43.65	> 0.45	0.45	6.20	30.88
		292	18263	62128	5.32	87.60	8.38	41.69	> 0.30	0.30	15.30	29.35
		293	18264	64548	8.16	133.50	8.66	43.60	> 0.52	0.52	6.50	28.95
		294	18265	79127	5.24	91.40	8.93	55.10	> 0.42	0.42	2.90	28.19
2492	Baffin Bay/Alazan Bay/	285	18256	75015	4.96	87.40	8.11	51.74	0.30	1.23	39.30	29.78
	Cayo del Grullo/Laguna Salada	286	18257	69584	5.13	87.70	8.27	47.45	> 0.67	0.67	12.10	29.66
		287	18258	74996	4.76	83.50	8.15	51.72	0.30	1.21	37.20	29.78
		288	18259	66196	6.28	105.10	8.22	44.83	0.60	2.35	14.60	29.24
		289	18260	69757	5.85	99.80	8.15	47.60	0.35	2.25	30.50	29.40

Table 6.2.2. Near-bottom Field Parameter concentrations recorded 0.50 m off-bottom at RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. Shaded = value below TCEQ 24-Hour DO average criteria which is not applicable to grab or bottom samples but provides a reference. All Segments have a 5.0 mg/L DO criteria except Segment 2492 where the criterion is 4.0 mg/L.

Segment	Segment Name	CCS ID	TCEQ ID	Cond. (µmhos)	DO (mg/L)	DO Sat. (%)	pH (su)	Salinity (psu)	Total Depth (m)	Turbidity (NTU)	Water Temp (°C)
2462	San Antonio/Hynes/Guadalupe Bay	245	18216	747	6.73	88.80	8.14	0.36	1.24	70.70	29.63
		246	18217	1495	6.61	87.50	8.53	0.74	1.52	58.80	29.84
2463	Mesquite/Carlos/Ayres Bay	249	18220	21995	5.95	84.70	8.31	13.14	1.31	12.98	29.93
		253	18224	22660	2.96	42.10	7.86	13.58	0.46	9.35	29.62
		254	18225	22425	5.68	81.40	8.23	13.41	1.50	54.70	30.45
		256	18227	21590	5.80	82.60	8.35	12.87	1.43	10.75	30.21
2471	Aransas Bay	257	18228	24206	6.18	89.20	8.14	14.13	1.46	19.81	30.70
		259	18230	28505	5.38	79.90	8.13	17.43	3.14	5.03	31.22
		260	18231	25789	6.50	95.10	7.98	15.69	1.94	9.49	30.85
		261	18232	36120	7.54	115.30	8.17	22.64	1.14	14.70	31.30
		262	18233	44084	5.82	90.80	8.29	28.21	1.16	7.60	30.63
2472	Copano/Port/Mission Bay	250	18221	11962	6.24	84.20	8.18	6.79	1.17	20.02	28.96
		252	18223	22125	6.46	92.50	8.08	13.22	1.88	5.51	30.42
		255	18226	20522	6.28	89.20	8.16	12.20	2.33	16.46	30.19
		258	18229	20081	6.72	96.30	8.30	11.88	1.95	14.16	30.92
2473	St. Charles Bay	247	18218	17444	6.50	91.20	8.40	10.23	1.40	16.30	30.12
		248	18219	21946	5.90	83.50	8.21	13.13	1.59	11.80	29.72
		251	18222	22361	6.42	91.70	8.16	13.38	1.55	20.80	30.25
2481	Corpus Christi Bay	266	18237	34927	5.73	86.10	8.22	21.85	3.21	12.90	30.28
		268	18239	39049	3.31	51.20	8.07	24.74	4.25	2.51	30.18
		269	18240	48825	6.50	97.20	8.13	31.73	2.68	4.05	30.22
		270	18241	37547	1.54	22.90	7.87	23.69	3.75	2.30	30.13
		271	18242	39770	2.49	37.90	8.00	25.24	4.25	2.58	30.14
		272	18243	40425	4.41	68.10	8.16	25.69	3.95	2.02	30.37
		273	18244	35713	5.57	82.80	8.22	22.49	3.67	16.00	29.59
		274	18245	37945	6.09	90.60	8.14	23.98	1.35	20.30	29.10
2482	Nueces Bay	275	18246	37252	3.16	45.00	8.07	23.71	4.78	17.50	29.87
		276	18247	39192	2.41	43.90	8.12	24.80	4.50	2.65	30.13
		279	18250	58414	7.93	126.10	8.23	38.92	0.42	6.60	29.09
		263	18234	4474	6.57	86.80	8.48	2.37	1.38	30.40	28.98
		264	18235	5150	5.41	71.20	8.28	2.76	2.10	26.60	28.92
		267	18238	24392	6.34	91.80	8.26	14.72	1.57	7.80	30.33

Table 6.2.2. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Cond. (µmhos)	DO (mg/L)	DO Sat. (%)	pH (su)	Salinity (psu)	Total Depth (m)	Turbidity (NTU)	Water Temp (°C)
2483	Redfish Bay	265	18236	39191	5.85	88.20	8.23	24.87	2.77	14.00	29.55
2485	Oso Bay	277	18248	43724	7.38	113.80	8.48	28.06	0.53	37.50	29.65
		278	18249	50749	10.49	168.40	8.54	33.13	0.80	4.00	30.52
2491	Laguna Madre	280	18251	67097	4.63	76.90	8.46	45.56	0.86	1.80	28.41
		281	18252	68962	6.29	110.10	8.46	46.90	0.50	7.90	31.24
		282	18253	70403	5.35	91.10	8.51	48.11	1.72	4.30	29.23
		283	18254	70981	11.82	212.20	8.54	48.43	0.71	18.30	32.23
		284	18255	72301	5.75	102.70	8.04	49.48	0.68	6.20	31.95
		290	18261	66793	4.54	74.80	8.21	45.33	0.92	6.40	28.19
		291	18262	64756	8.54	145.30	8.51	43.65	0.45	6.20	30.88
		292	18263	62128	5.32	87.60	8.38	41.69	0.30	15.30	29.35
		293	18264	64548	8.16	133.50	8.66	43.60	0.52	6.50	28.95
		294	18265	79127	5.24	91.40	8.93	55.10	0.42	2.90	28.19
2492	Baffin Bay/Alazan Bay/	285	18256	75015	4.96	87.40	8.11	51.74	1.23	39.30	29.78
	Cayo del Grullo/Laguna Salada	286	18257	69584	5.13	87.70	8.27	47.45	0.67	12.10	29.66
		287	18258	74996	4.76	83.50	8.15	51.72	1.21	37.20	29.78
		288	18259	66232	6.20	103.70	8.22	44.87	2.35	14.60	29.24
		289	18260	69791	5.74	97.60	8.15	47.62	2.25	30.50	29.39

6.3 Field Parameters – Summary Statistics (Near-Surface and Near-Bottom grab samples)

Table 6.3.1. Conductivity (µmhos) near-surface and near-bottom summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Conductivity (µmhos)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	747	1495	1121
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	21589	22660	22186
	2471	Aransas Bay	5	21372	44084	30424
	2472	Copano Bay/Port Bay/Mission Bay	4	11962	21288	18367
	2473	St. Charles Bay	3	16873	22381	20400
	2481	Corpus Christi Bay	11	20872	58414	33701
	2482	Nueces Bay	3	4463	20898	10014
	2483	Redfish Bay	1	38800	38800	38800
	2485	Oso Bay	2	43724	50749	47237
	2491	Laguna Madre	10	62128	79127	68709
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	66196	75015	71110
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Conductivity (µmhos)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	747	1495	1121
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	21590	22660	22168
	2471	Aransas Bay	5	24206	44084	31741
	2472	Copano Bay/Port Bay/Mission Bay	4	11962	22125	18673
	2473	St. Charles Bay	3	17444	22361	20584
	2481	Corpus Christi Bay	11	34927	58414	40824
	2482	Nueces Bay	3	4474	24392	11339
	2483	Redfish Bay	1	39191	39191	39191
	2485	Oso Bay	2	43724	50749	47237
	2491	Laguna Madre	10	62128	79127	68710
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	66232	75015	71124

Table 6.3.2. Salinity (PSU) near-surface and near-bottom summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Salinity (PSU)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.36	0.74	0.55
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	12.87	13.58	13.26
	2471	Aransas Bay	5	12.69	28.21	18.82
	2472	Copano Bay/Port Bay/Mission Bay	4	6.79	12.67	10.83
	2473	St. Charles Bay	3	9.84	13.39	12.11
Near-Surface (0.50 m below)	2481	Corpus Christi Bay	11	12.40	38.92	21.15
	2482	Nueces Bay	3	2.36	12.43	5.76
	2483	Redfish Bay	1	24.57	24.57	24.57
	2485	Oso Bay	2	28.06	33.13	30.60
	2491	Laguna Madre	10	41.69	55.10	46.78
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	44.83	51.74	48.67
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	44.87	51.74	48.68
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Salinity (PSU)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.36	0.74	0.55
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	12.87	13.58	13.25
	2471	Aransas Bay	5	14.13	28.21	19.62
	2472	Copano Bay/Port Bay/Mission Bay	4	6.79	13.22	11.02
	2473	St. Charles Bay	3	10.23	13.38	12.25
Near-Bottom (0.50 above)	2481	Corpus Christi Bay	11	21.85	38.92	26.08
	2482	Nueces Bay	3	2.37	14.72	6.62
	2483	Redfish Bay	1	24.87	24.87	24.87
	2485	Oso Bay	2	28.06	33.13	30.60
	2491	Laguna Madre	10	41.69	55.10	46.79
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	44.87	51.74	48.68
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	44.87	51.74	48.68

Table 6.3.3. Dissolved Oxygen (mg/L) near-surface and near-bottom summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration. **Shaded** = value below TCEQ 24-Hour DO average criteria. Value is not applicable to grab or bottom samples but provides a reference. All Segments have a 5.0 mg/L DO criteria except Segment 2492 where criterion is 4.0 mg/L).

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Dissolved Oxygen (mg/L)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	6.68	6.73	6.71	
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	2.96	6.04	5.14	
	2471	Aransas Bay	5	5.82	7.54	6.66	
	2472	Copano Bay/Port Bay/Mission Bay	4	6.24	6.72	6.52	
	2473	St. Charles Bay	3	5.95	6.96	6.47	
	Near-Surface (0.50 m below)	2481	Corpus Christi Bay	11	5.93	7.93	6.79
		2482	Nueces Bay	3	6.18	6.91	6.59
		2483	Redfish Bay	1	5.86	5.86	5.86
		2485	Oso Bay	2	7.38	10.49	8.94
		2491	Laguna Madre	10	4.54	11.82	6.57
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4.76	6.28	5.40
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4.76	6.28	5.40
	Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen (mg/L)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	6.61	6.73	6.67	
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	2.96	5.95	5.10	
	2471	Aransas Bay	5	5.38	7.54	6.28	
	2472	Copano Bay/Port Bay/Mission Bay	4	6.24	6.72	6.43	
	2473	St. Charles Bay	3	5.90	6.50	6.27	
	Near-Bottom (0.50 above)	2481	Corpus Christi Bay	11	1.54	7.93	4.47
		2482	Nueces Bay	3	5.41	6.57	6.11
		2483	Redfish Bay	1	5.85	5.85	5.85
		2485	Oso Bay	2	7.38	10.49	8.94
		2491	Laguna Madre	10	4.54	11.82	6.56
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4.76	6.20	5.36
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4.76	6.20	5.36

Table 6.3.4. Dissolved Oxygen (% saturation) near-surface and near-bottom summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen (% Saturation)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	88.50	88.80	88.65
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	42.10	86.10	73.40
	2471	Aransas Bay	5	90.60	115.30	99.48
	2472	Copano Bay/Port Bay/Mission Bay	4	84.20	96.40	91.93
Near-Surface	2473	St. Charles Bay	3	84.30	97.50	91.63
(0.50 m below)	2481	Corpus Christi Bay	11	87.60	126.10	100.99
	2482	Nueces Bay	3	82.20	97.70	89.33
	2483	Redfish Bay	1	88.10	88.10	88.10
	2485	Oso Bay	2	113.80	168.40	141.10
	2491	Laguna Madre	10	74.80	212.20	112.62
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	83.50	105.10	92.70
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen (% Saturation)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	87.50	88.80	88.15
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	42.10	84.70	72.70
	2471	Aransas Bay	5	79.90	115.30	94.06
	2472	Copano Bay/Port Bay/Mission Bay	4	84.20	96.30	90.55
Near-Bottom	2473	St. Charles Bay	3	83.50	91.70	88.80
(0.50 above)	2481	Corpus Christi Bay	11	22.90	126.10	68.35
	2482	Nueces Bay	3	71.20	91.80	83.27
	2483	Redfish Bay	1	88.20	88.20	88.20
	2485	Oso Bay	2	113.80	168.40	141.10
	2491	Laguna Madre	10	74.80	212.20	112.56
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	83.50	103.70	91.98

Table 6.3.5. pH (su) near-surface and near-bottom summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
pH	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	8.14	8.53	8.34
(su)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	7.86	8.34	8.19
	2471	Aransas Bay	5	7.97	8.29	8.17
	2472	Copano Bay/Port Bay/Mission Bay	4	8.11	8.28	8.19
Near-Surface	2473	St. Charles Bay	3	8.15	8.45	8.27
(0.50 m below)	2481	Corpus Christi Bay	11	8.09	8.48	8.30
	2482	Nueces Bay	3	8.33	8.50	8.40
	2483	Redfish Bay	1	8.18	8.18	8.18
	2485	Oso Bay	2	8.48	8.54	8.51
	2491	Laguna Madre	10	8.04	8.93	8.47
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	8.11	8.27	8.18
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
pH	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	8.14	8.53	8.34
(su)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	7.86	8.35	8.19
	2471	Aransas Bay	5	7.98	8.29	8.14
	2472	Copano Bay/Port Bay/Mission Bay	4	8.08	8.30	8.18
Near-Bottom	2473	St. Charles Bay	3	8.16	8.40	8.26
(0.50 m above)	2481	Corpus Christi Bay	11	7.87	8.23	8.11
	2482	Nueces Bay	3	8.26	8.48	8.34
	2483	Redfish Bay	1	8.23	8.23	8.23
	2485	Oso Bay	2	8.48	8.54	8.51
	2491	Laguna Madre	10	8.04	8.93	8.47
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	8.11	8.27	8.18

Table 6.3.6. Turbidity (NTU) near-surface and near-bottom summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Turbidity (NTU)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	58.80	70.70	64.75
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	9.35	54.70	21.95
	2471	Aransas Bay	5	5.03	19.81	11.33
	2472	Copano Bay/Port Bay/Mission Bay	4	5.51	20.02	14.04
Near-Surface (0.50 m below)	2473	St. Charles Bay	3	11.80	20.80	16.30
	2481	Corpus Christi Bay	11	2.02	20.30	8.13
	2482	Nueces Bay	3	7.80	30.40	21.60
	2483	Redfish Bay	1	14.00	14.00	14.00
	2485	Oso Bay	2	4.00	37.50	20.75
	2491	Laguna Madre	10	1.80	18.30	7.58
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	12.10	39.30	26.74
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Turbidity (NTU)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	58.50	70.70	64.60
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	9.35	53.03	21.41
	2471	Aransas Bay	5	7.60	18.41	13.68
	2472	Copano Bay/Port Bay/Mission Bay	4	8.30	31.43	19.18
Near-Bottom (0.50 m above)	2473	St. Charles Bay	3	12.20	30.10	21.47
	2481	Corpus Christi Bay	11	5.03	74.76	20.14
	2482	Nueces Bay	3	8.50	36.80	25.57
	2483	Redfish Bay	1	15.63	15.63	15.63
	2485	Oso Bay	2	4.00	37.50	20.75
	2491	Laguna Madre	10	1.80	18.30	7.57
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	12.10	39.30	28.36

Table 6.3.7. Water Temperature (°C) near-surface and near-bottom summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Water Temperature (°C)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	29.63	29.84	29.74
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	29.62	30.37	30.02
	2471	Aransas Bay	5	30.63	31.55	31.05
	2472	Copano Bay/Port Bay/Mission Bay	4	28.96	30.93	30.14
Near-Surface	2473	St. Charles Bay	3	29.74	30.23	30.03
(0.50 m below)	2481	Corpus Christi Bay	11	29.09	31.14	30.05
	2482	Nueces Bay	3	29.00	29.98	29.60
	2483	Redfish Bay	1	29.54	29.54	29.54
	2485	Oso Bay	2	29.65	30.52	30.09
	2491	Laguna Madre	10	28.19	32.23	29.86
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	29.24	29.78	29.57
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Water Temperature (°C)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	29.63	29.84	29.74
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	29.62	30.45	30.05
	2471	Aransas Bay	5	30.63	31.30	30.94
	2472	Copano Bay/Port Bay/Mission Bay	4	28.96	30.92	30.12
Near-Bottom	2473	St. Charles Bay	3	29.72	30.25	30.03
(0.50 m above)	2481	Corpus Christi Bay	11	29.09	30.37	29.92
	2482	Nueces Bay	3	28.92	30.33	29.41
	2483	Redfish Bay	1	29.55	29.55	29.55
	2485	Oso Bay	2	29.65	30.52	30.09
	2491	Laguna Madre	10	28.19	32.23	29.86
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	29.24	29.78	29.57

Table 6.3.8. Secchi Depth (m) and Total Depth (m) summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Secchi Depth (m)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.20	0.25	0.23
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.20	0.50	0.39
	2471	Aransas Bay	5	0.40	>1.14	0.83
	2472	Copano Bay/Port Bay/Mission Bay	4	0.25	2.00	0.91
	2473	St. Charles Bay	3	0.50	0.60	0.53
	2481	Corpus Christi Bay	11	>0.42	1.40	0.89
	2482	Nueces Bay	3	0.25	0.70	0.45
	2483	Redfish Bay	1	0.60	0.60	0.60
	2485	Oso Bay	2	0.40	>0.80	0.60
	2491	Laguna Madre	10	>0.30	1.30	0.67
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.30	>0.67	0.44
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Depth (m)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	1.24	1.52	1.38
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.46	1.50	1.18
	2471	Aransas Bay	5	1.14	3.14	1.77
	2472	Copano Bay/Port Bay/Mission Bay	4	1.17	2.33	1.83
	2473	St. Charles Bay	3	1.40	1.59	1.51
	2481	Corpus Christi Bay	11	0.42	4.78	3.35
	2482	Nueces Bay	3	1.38	2.10	1.68
	2483	Redfish Bay	1	2.77	2.77	2.77
	2485	Oso Bay	2	0.53	0.80	0.67
	2491	Laguna Madre	10	0.30	1.72	0.71
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.67	2.35	1.54

6.4 Routine Conventional Water Chemistry – Individual Concentrations (mg/L or ppm, chlorophyll *a* µg/L or ppb)

Table 6.4.1. Ammonia concentrations (mg/L or ppm) at RCAP 2002 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated in parentheses below parameter and is only applicable to SNU samples. Other exceedances provided for reference.** * = did not meet QA/QC and no value (-) indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	Ammonia SNU (SLE 0.10)	Ammonia SN	Ammonia MN	Ammonia BN
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	0.020	0.009	-	0.037
		246	18217	0.011	0.021	-	0.030
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	0.035	0.058	-	0.054
		253	18224	0.048	0.045	-	-
		254	18225	0.009	0.007	-	0.027
		256	18227	0.019	0.032	-	0.015
2471	Aransas Bay	257	18228	0.007	0.007	-	0.002
		259	18230	0.006	0.007	-	0.013
		260	18231	0.016	0.032	-	0.020
		261	18232	<0.001	0.011	-	0.025
		262	18233	<0.001	0.011	-	0.022
2472	Copano Bay/Port Bay/Mission Bay	250	18221	0.010	0.021	-	0.021
		252	18223	0.009	0.024	-	0.002
		255	18226	0.014	0.010	0.002	0.026
		258	18229	0.005	0.021	-	0.001
2473	St. Charles Bay	247	18218	0.009	0.011	-	0.013
		248	18219	0.005	0.006	-	0.027
		251	18222	0.011	0.010	-	0.042
2481	Corpus Christi Bay	266	18237	0.010	0.020	0.002	0.002
		268	18239	0.005	0.020	0.002	0.075
		269	18240	0.008	0.004	0.020	0.005
		270	18241	0.006	0.006	0.051	0.110
		271	18242	0.006	0.021	0.002	0.094
		272	18243	0.006	*	0.003	0.057
		273	18244	0.007	0.019	0.002	<0.001
		274	18245	0.007	0.006	-	<0.001
	275	18246	0.007	0.036	0.001	0.025	
	276	18247	0.008	0.006	0.002	<0.001	
	279	18250	0.014	0.027	-	-	

Table 6.4.1. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Ammonia SNU (SLE 0.10)	Ammonia SN	Ammonia MN	Ammonia BN
2482	Nueces Bay	263	18234	0.011	0.008	-	0.004
		264	18235	0.012	0.022	0.004	0.027
		267	18238	0.005	0.006	-	0.017
2483	Redfish Bay	265	18236	0.001	0.009	0.001	0.001
2485	Oso Bay	277	18248	0.010	0.008	-	-
		278	18249	0.016	0.011	-	-
2491	Laguna Madre	280	18251	0.001	0.007	-	-
		281	18252	0.003	0.005	-	-
		282	18253	0.003	<0.001	-	0.004
		283	18254	<0.001	0.003	-	-
		284	18255	0.003	0.006	-	-
		290	18261	0.027	0.005	-	-
		291	18262	0.009	0.014	-	-
		292	18263	0.006	0.006	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	293	18264	0.002	0.002	-	-
		294	18265	0.058	0.017	-	-
		285	18256	0.001	0.012	-	0.006
		286	18257	0.003	0.014	-	-
		287	18258	0.008	0.002	-	0.041
		288	18259	0.063	0.023	0.006	0.031
		289	18260	0.473	0.009	0.048	0.087

Table 6.4.2. Nitrate concentrations (mg/L or ppm) at RCAP 2002 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). * = did not meet QA/QC and no value (-) indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	Nitrate SNU	Nitrate SN	Nitrate MN	Nitrate BN
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	0.190	0.245	-	0.334
		246	18217	0.001	0.009	-	0.006
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	0.004	0.016	-	0.008
		253	18224	0.006	0.011	-	-
		254	18225	0.001	0.006	-	0.002
		256	18227	0.006	0.007	-	<0.001
		257	18228	0.002	0.005	-	0.002
2471	Aransas Bay	259	18230	0.001	0.004	-	0.003
		260	18231	0.002	0.007	-	0.003
		261	18232	0.001	0.001	-	0.002
		262	18233	0.002	0.001	-	0.002
		250	18221	<0.001	0.015	-	0.002
		252	18223	0.004	0.009	-	0.002
2472	Copano Bay/Port Bay/Mission Bay	255	18226	0.001	0.003	0.001	0.003
		258	18229	0.002	0.007	-	<0.001
		247	18218	0.003	<0.001	-	0.002
		248	18219	0.002	0.001	-	0.003
2473	St. Charles Bay	251	18222	0.001	0.003	-	0.005
		266	18237	<0.001	0.006	0.002	0.001
		268	18239	0.001	0.006	0.001	0.001
2481	Corpus Christi Bay	269	18240	0.002	0.005	0.002	0.001
		270	18241	0.001	0.003	0.002	0.006
		271	18242	0.001	0.006	0.001	0.011
		272	18243	0.001	*	0.002	0.004
		273	18244	0.001	0.005	0.002	<0.001
		274	18245	0.001	0.002	-	0.001
		275	18246	0.001	0.004	0.001	0.002
		276	18247	0.001	0.004	0.001	<0.001
		279	18250	0.001	0.001	-	-
		2482	Nueces Bay	263	18234	0.001	0.001
264	18235			0.002	0.007	0.001	0.013
267	18238			0.001	0.003	-	0.016

Table 6.4.2. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Nitrate SNU	Nitrate SN	Nitrate MN	Nitrate BN
2483	Redfish Bay	265	18236	0.001	0.004	0.001	0.001
2485	Oso Bay	277	18248	0.001	0.002	-	-
		278	18249	0.003	0.001	-	-
2491	Laguna Madre	280	18251	0.001	0.001	-	-
		281	18252	0.001	0.001	-	-
		282	18253	0.002	0.003	-	0.001
		283	18254	0.001	<0.001	-	-
		284	18255	0.002	<0.001	-	-
		290	18261	0.003	0.001	-	-
		291	18262	0.003	<0.001	-	-
		292	18263	0.004	<0.001	-	-
		293	18264	0.004	0.001	-	-
		294	18265	0.004	0.001	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	0.001	<0.001	-	<0.001
		286	18257	0.002	<0.001	-	-
		287	18258	0.002	0.003	-	0.003
		288	18259	0.002	0.004	0.001	0.001
		289	18260	0.002	0.003	0.001	0.001

Table 6.4.3. Nitrite concentrations (mg/L or ppm) at RCAP 2002 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). * = did not meet QA/QC and no value (-) indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	Nitrite SNU	Nitrite SN	Nitrite MN	Nitrite BN
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	0.012	0.027	-	0.019
		246	18217	0.002	<0.001	-	0.001
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	0.002	0.009	-	0.004
		253	18224	0.003	0.007	-	-
		254	18225	0.001	0.002	-	0.002
		256	18227	0.002	0.002	-	0.002
2471	Aransas Bay	257	18228	0.001	0.005	-	0.002
		259	18230	<0.001	0.001	-	<0.001
		260	18231	0.001	0.004	-	0.002
		261	18232	<0.001	0.001	-	<0.001
		262	18233	0.000	0.001	-	<0.001
2472	Copano Bay/Port Bay/Mission Bay	250	18221	0.002	0.001	-	0.001
		252	18223	0.001	0.003	-	0.001
		255	18226	0.001	0.002	0.001	0.001
		258	18229	<0.001	<0.001	-	0.001
2473	St. Charles Bay	247	18218	0.002	0.002	-	0.001
		248	18219	<0.001	0.002	-	0.001
		251	18222	0.002	0.002	-	0.002
2481	Corpus Christi Bay	266	18237	0.002	<0.001	<0.001	<0.001
		268	18239	0.001	<0.001	0.001	0.005
		269	18240	<0.001	<0.001	0.001	<0.001
		270	18241	0.001	0.002	0.006	0.021
		271	18242	0.001	<0.001	0.001	0.013
		272	18243	0.001	*	<0.001	0.003
		273	18244	0.001	0.001	<0.001	<0.001
		274	18245	0.001	0.001	-	<0.001
		275	18246	0.001	<0.001	0.001	0.001
2482	Nueces Bay	276	18247	0.001	0.001	0.001	<0.001
		279	18250	<0.001	0.001	-	-
		263	18234	0.001	0.004	-	0.002
		264	18235	<0.001	<0.001	0.002	0.002
		267	18238	0.001	0.002	-	0.013

Table 6.4.3. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Nitrite SNU	Nitrite SN	Nitrite MN	Nitrite BN
2483	Redfish Bay	265	18236	0.001	<0.001	0.001	<0.001
2485	Oso Bay	277	18248	0.002	0.001	-	-
		278	18249	0.002	0.001	-	-
2491	Laguna Madre	280	18251	<0.001	<0.001	-	-
		281	18252	0.001	<0.001	-	-
		282	18253	<0.001	0.001	-	<0.001
		283	18254	<0.001	<0.001	-	-
		284	18255	<0.001	<0.001	-	-
		290	18261	0.002	<0.001	-	-
		291	18262	0.002	0.001	-	-
		292	18263	0.001	<0.001	-	-
		293	18264	0.001	<0.001	-	-
		294	18265	<0.001	<0.001	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	<0.001	<0.001	-	<0.001
		286	18257	<0.001	<0.001	-	-
		287	18258	<0.001	0.002	-	0.002
		288	18259	0.005	0.004	0.003	0.003
		289	18260	0.007	<0.001	0.002	0.004

Table 6.4.4. Nitrate + Nitrite concentrations (mg/L or ppm) at RCAP 2002 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated in parentheses below parameter and is only applicable to SNU samples. Other exceedances provided for reference. * = did not meet QA/QC and no value (-) indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	N + N SNU (SLE 0.26)	N + N SN	N + N MN	N + N BN
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	0.202	0.272	-	0.353
		246	18217	0.003	0.009	-	0.007
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	0.006	0.025	-	0.012
		253	18224	0.009	0.018	-	-
		254	18225	0.002	0.008	-	0.004
		256	18227	0.008	0.008	-	0.002
2471	Aransas Bay	257	18228	0.003	0.010	-	0.004
		259	18230	0.002	0.005	-	0.003
		260	18231	0.003	0.011	-	0.005
		261	18232	0.001	0.002	-	0.002
		262	18233	0.002	0.002	-	0.002
2472	Copano Bay/Port Bay/Mission Bay	250	18221	0.002	0.016	-	0.003
		252	18223	0.004	0.012	-	0.003
		255	18226	0.002	0.005	0.002	0.004
		258	18229	0.002	0.007	-	0.001
2473	St. Charles Bay	247	18218	0.005	0.002	-	0.003
		248	18219	0.002	0.003	-	0.004
		251	18222	0.004	0.005	-	0.008
2481	Corpus Christi Bay	266	18237	0.002	0.006	0.003	0.001
		268	18239	0.002	0.006	0.002	0.007
		269	18240	0.002	0.005	0.003	0.001
		270	18241	0.003	0.005	0.007	0.027
		271	18242	0.002	0.007	0.002	0.024
		272	18243	0.002	*	0.002	0.007
		273	18244	0.002	0.006	0.003	0.000
		274	18245	0.002	0.003	-	0.001
		275	18246	0.002	0.004	0.002	0.002
2482	Nueces Bay	276	18247	0.003	0.004	0.002	0.001
		279	18250	0.002	0.001	-	-
		263	18234	0.002	0.005	-	0.002
		264	18235	0.002	0.007	0.004	0.015
		267	18238	0.002	0.005	-	0.029

Table 6.4.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	N + N SNU (SLE 0.26)	N + N SN	N + N MN	N + N BN
2483	Redfish Bay	265	18236	0.002	0.004	0.002	0.001
2485	Oso Bay	277	18248	0.003	0.004	-	-
		278	18249	0.005	0.002	-	-
2491	Laguna Madre	280	18251	0.001	0.001	-	-
		281	18252	0.002	0.001	-	-
		282	18253	0.002	0.005	-	0.001
		283	18254	0.001	0.000	-	-
		284	18255	0.002	0.001	-	-
		290	18261	0.005	0.001	-	-
		291	18262	0.005	0.001	-	-
		292	18263	0.005	0.001	-	-
		293	18264	0.005	0.001	-	-
		294	18265	0.004	0.001	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	0.002	0.001	-	0.001
		286	18257	0.002	0.001	-	-
		287	18258	0.002	0.005	-	0.005
		288	18259	0.007	0.008	0.004	0.004
		289	18260	0.009	0.003	0.004	0.004

Table 6.4.5. Total Phosphorus (TP) and Ortho-phosphorus (OP) concentrations (mg/L or ppm) at RCAP 2002 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated in parentheses below parameter and is only applicable to SNU and SN samples.** ** = no data and no value (-) indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	TP SNU (SLE 0.22)	OP SN (SLE 0.16)	OP MN	OP BN
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	<0.060	<0.040	-	<0.040
		246	18217	<0.060	<0.040	-	<0.040
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	<0.060	0.059	-	0.060
		253	18224	0.078	0.059	-	-
		254	18225	0.099	0.044	-	0.041
		256	18227	<0.060	0.054	-	0.051
2471	Aransas Bay	257	18228	0.073	0.052	-	0.049
		259	18230	<0.060	<0.040	-	<0.040
		260	18231	<0.060	0.045	-	0.046
		261	18232	<0.060	<0.040	-	<0.040
		262	18233	<0.060	<0.040	-	<0.040
2472	Copano Bay/Port Bay/Mission Bay	250	18221	0.067	0.043	-	0.041
		252	18223	0.060	0.050	-	0.050
		255	18226	<0.060	0.055	<0.040	0.047
		258	18229	0.093	0.051	-	0.056
2473	St. Charles Bay	247	18218	0.071	<0.040	-	<0.040
		248	18219	<0.060	<0.040	-	<0.040
		251	18222	<0.060	<0.040	-	<0.040
2481	Corpus Christi Bay	266	18237	0.077	0.055	<0.040	<0.040
		268	18239	<0.060	0.049	<0.040	0.043
		269	18240	<0.060	<0.040	<0.040	<0.040
		270	18241	0.072	0.051	0.046	0.053
		271	18242	0.076	0.050	<0.040	0.040
		272	18243	0.077	**	<0.040	<0.040
		273	18244	0.102	<0.040	<0.040	<0.040
		274	18245	0.101	0.044	-	0.042
		275	18246	0.091	<0.040	<0.040	<0.040
2482	Nueces Bay	276	18247	0.080	<0.040	<0.040	<0.040
		279	18250	<0.060	<0.040	-	-
		263	18234	0.246	0.137	-	0.132
		264	18235	0.204	0.104	0.086	0.130
		267	18238	0.106	0.067	-	0.054

Table 6.4.5. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	TP SNU (SLE 0.22)	OP SN (SLE 0.16)	OP MN	OP BN
2483	Redfish Bay	265	18236	<0.060	<0.040	<0.040	<0.040
2485	Oso Bay	277	18248	0.084	<0.040	-	-
		278	18249	<0.060	<0.040	-	-
2491	Laguna Madre	280	18251	<0.060	<0.040	-	-
		281	18252	0.071	<0.040	-	-
		282	18253	<0.060	<0.040	-	<0.040
		283	18254	<0.060	<0.040	-	-
		284	18255	<0.060	<0.040	-	-
		290	18261	<0.060	<0.040	-	-
		291	18262	<0.060	<0.040	-	-
		292	18263	<0.060	<0.040	-	-
		293	18264	<0.060	<0.040	-	-
		294	18265	<0.060	<0.040	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna	285	18256	0.076	<0.040	-	<0.040
		286	18257	<0.060	<0.040	-	-
		287	18258	0.080	<0.040	-	<0.040
		288	18259	<0.060	<0.040	<0.040	<0.040
		289	18260	0.060	<0.040	<0.040	<0.040

Table 6.4.6. Chlorophyll *a* (Ch *a*) and Total Suspended Solid (TSS) concentrations (µg/L or ppb and mg/L or ppm) at RCAP 2002 sampling sites. TCEQ and EPA Method (SCL = Surface Ch *a* Field Filtered, MCL = Mid-Depth Ch *a* Field Filtered, BCL = Bottom Ch *a* Field Filtered), SS = Surface sample, MS = Mid-depth sample, and BS = Bottom sample. Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated in parentheses below parameter and is applicable only to SCL samples. ** = no data and no value (-) indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	Ch <i>a</i> SCL (SLE 11.50)	Ch <i>a</i> MCL	Ch <i>a</i> BCL	TSS SS	TSS MS	TSS BS
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	45.42	-	47.58	50	-	72
		246	18217	18.66	-	-	30	-	38
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	3.06	-	3.42	13	-	19
		253	18224	2.02	-	-	17	-	-
		254	18225	8.29	-	7.61	41	-	62
		256	18227	4.86	-	2.93	40	-	65
2471	Aransas Bay	257	18228	5.47	-	7.10	25	-	25
		259	18230	5.68	6.87	9.88	6	6	34
		260	18231	3.58	-	2.94	11	-	11
		261	18232	5.73	-	10.20	5	-	15
		262	18233	5.68	-	-	21	-	17
2472	Copano Bay/Port Bay/Mission Bay	250	18221	8.59	-	9.27	23	-	24
		252	18223	1.14	-	5.13	5	-	7
		255	18226	4.88	4.99	5.34	19	32	44
		258	18229	6.69	-	6.59	19	-	16
2473	St. Charles Bay	247	18218	15.10	-	15.13	14	-	37
		248	18219	5.95	-	5.62	13	17	-
		251	18222	6.11	-	7.55	18	48	-
2481	Corpus Christi Bay	266	18237	13.80	14.00	12.00	11	11	11
		268	18239	6.96	7.86	6.62	3	3	30
		269	18240	2.55	2.71	1.85	7	7	8
		270	18241	7.78	11.90	5.11	4	7	34
		271	18242	8.56	12.10	4.67	4	7	18
		272	18243	7.50	7.95	6.88	3	3	35
		273	18244	13.10	11.30	12.50	14	12	16
		274	18245	19.50	-	20.00	15	-	17
		275	18246	12.10	14.40	14.40	12	10	12
2482	Nueces Bay	276	18247	17.20	13.00	10.70	5	6	7
		279	18250	4.96	-	-	6	-	-
		263	18234	16.90	-	17.58	22	-	32
		264	18235	22.31	21.30	23.66	20	21	31
		267	18238	8.03	-	7.83	6	-	14

Table 6.4.6. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Ch a SCL (SLE 11.50)	Ch a MCL	Ch a BCL	TSS SS	TSS MS	TSS BS
2483	Redfish Bay	265	18236	9.08	8.68	9.46	12	11	49
2485	Oso Bay	277	18248	24.53	-	-	53	-	-
		278	18249	3.39	-	-	9	-	-
2491	Laguna Madre	280	18251	15.90	-	-	5	-	-
		281	18252	16.20	-	-	12	-	-
		282	18253	4.57	-	4.71	9	-	25
		283	18254	3.10	-	-	5	-	-
		284	18255	3.35	-	-	3	-	-
		290	18261	4.75	-	-	9	-	-
		291	18262	2.01	-	-	9	-	-
		292	18263	**	-	-	8	-	-
		293	18264	1.20	-	-	4	-	-
		294	18265	0.22	-	-	1	-	-
2492	Baffin Bay/Alazan Bay/	285	18256	10.86	-	13.25	39	-	98
	Cayo del Grullo/Laguna Salada	286	18257	6.74	-	-	17	-	-
		287	18258	12.73	-	14.14	48	-	61
		288	18259	7.60	3.08	9.03	21	22	21
		289	18260	8.25	10.30	11.83	39	36	67

6.5 Routine Conventional Water Chemistry –Summary Statistics

Table 6.5.1. Ammonia (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Shaded = value exceeded TCEQ SLE (Screening Level Estuary). SLE is only applicable to SNU samples. Bold = highest recorded mean concentrations.**

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.011	0.020	0.016
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.009	0.048	0.028
TCEQ	2471	Aransas Bay	5	<0.001	0.016	0.006
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	4	0.005	0.014	0.009
0.10 mg/L	2473	St. Charles Bay	3	0.005	0.011	0.008
	2481	Corpus Christi Bay	11	0.005	0.014	0.008
	2482	Nueces Bay	3	0.005	0.012	0.009
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	2	0.010	0.016	0.013
	2491	Laguna Madre	10	<0.001	0.058	0.011
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.001	0.473	0.110
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.009	0.021	0.015
SN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.007	0.058	0.036
	2471	Aransas Bay	5	0.007	0.032	0.013
	2472	Copano Bay/Port Bay/Mission Bay	4	0.010	0.024	0.019
	2473	St. Charles Bay	3	0.006	0.011	0.009
	2481	Corpus Christi Bay	10	0.004	0.036	0.016
	2482	Nueces Bay	3	0.006	0.022	0.012
	2483	Redfish Bay	1	0.009	0.009	0.009
	2485	Oso Bay	2	0.008	0.011	0.009
	2491	Laguna Madre	10	<0.001	0.017	0.006
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.002	0.023	0.012

Table 6.5.1 (continued). Ammonia (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Bold** = highest recorded mean concentrations. No value (-) indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	-	-	-	-
MN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	-	-	-	-
	2471	Aransas Bay	-	-	-	-
	2472	Copano Bay/Port Bay/Mission Bay	1	0.002	0.002	0.002
	2473	St. Charles Bay	-	-	-	-
	2481	Corpus Christi Bay	9	0.001	0.051	0.009
	2482	Nueces Bay	1	0.004	0.004	0.004
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.006	0.048	0.027
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.030	0.037	0.033
BN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	3	0.015	0.054	0.032
	2471	Aransas Bay	5	0.002	0.025	0.016
	2472	Copano Bay/Port Bay/Mission Bay	4	0.001	0.026	0.013
	2473	St. Charles Bay	3	0.013	0.042	0.028
	2481	Corpus Christi Bay	10	<0.001	0.110	0.037
	2482	Nueces Bay	3	0.004	0.027	0.016
	2483	Redfish Bay	1	0.001	0.001	0.001
	2491	Laguna Madre	1	0.004	0.004	0.004
	2485	Oso Bay	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	4	0.006	0.087	0.041

Table 6.5.2. Nitrate (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.001	0.190	0.095
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.001	0.006	0.004
	2471	Aransas Bay	5	0.001	0.002	0.002
	2472	Copano Bay/Port Bay/Mission Bay	4	<0.001	0.004	0.002
	2473	St. Charles Bay	3	0.001	0.003	0.002
	2481	Corpus Christi Bay	11	<0.001	0.002	0.001
	2482	Nueces Bay	3	0.001	0.002	0.001
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	2	0.001	0.003	0.002
	2491	Laguna Madre	10	0.001	0.004	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.001	0.002	0.002
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.009	0.245	0.127
SN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.006	0.016	0.010
	2471	Aransas Bay	5	0.001	0.007	0.004
	2472	Copano Bay/Port Bay/Mission Bay	4	0.003	0.015	0.008
	2473	St. Charles Bay	3	<0.001	0.003	0.001
	2481	Corpus Christi Bay	10	0.001	0.006	0.004
	2482	Nueces Bay	3	0.001	0.007	0.004
	2483	Redfish Bay	1	0.004	0.004	0.004
	2485	Oso Bay	2	0.001	0.002	0.002
	2491	Laguna Madre	10	<0.001	0.003	0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.001	0.004	0.002

Table 6.5.2 (continued). Nitrate (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Bold** = highest recorded mean concentrations. No value (-) indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	-	-	-	-
MN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	-	-	-	-
	2471	Aransas Bay	-	-	-	-
	2472	Copano Bay/Port Bay/Mission Bay	1	0.001	0.001	0.001
	2473	St. Charles Bay	-	-	-	-
	2481	Corpus Christi Bay	9	0.001	0.002	0.002
	2482	Nueces Bay	1	0.001	0.001	0.001
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.001	0.001	0.001
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.006	0.334	0.170
BN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	3	<0.001	0.008	0.003
	2471	Aransas Bay	5	0.002	0.003	0.002
	2472	Copano Bay/Port Bay/Mission Bay	4	<0.001	0.003	0.002
	2473	St. Charles Bay	3	0.002	0.005	0.004
	2481	Corpus Christi Bay	10	<0.001	0.011	0.003
	2482	Nueces Bay	3	<0.001	0.016	0.010
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	1	0.001	0.001	0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	4	<0.001	0.003	0.001

Table 6.5.3. Nitrite (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.002	0.012	0.007
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.001	0.003	0.002
	2471	Aransas Bay	5	<0.001	0.001	<0.001
	2472	Copano Bay/Port Bay/Mission Bay	4	<0.001	0.002	0.001
	2473	St. Charles Bay	3	<0.001	0.002	0.001
	2481	Corpus Christi Bay	11	<0.001	0.002	0.001
	2482	Nueces Bay	3	<0.001	0.001	0.001
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	2	0.002	0.002	0.002
	2491	Laguna Madre	10	<0.001	0.002	0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.001	0.007	0.003
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	<0.001	0.027	0.013
SN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.002	0.009	0.005
	2471	Aransas Bay	5	0.001	0.005	0.002
	2472	Copano Bay/Port Bay/Mission Bay	4	<0.001	0.003	0.001
	2473	St. Charles Bay	3	0.002	0.002	0.002
	2481	Corpus Christi Bay	10	<0.001	0.002	0.001
	2482	Nueces Bay	3	<0.001	0.004	0.002
	2483	Redfish Bay	1	<0.001	<0.001	<0.001
	2485	Oso Bay	2	0.001	0.001	0.001
	2491	Laguna Madre	10	<0.001	0.001	<0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.001	0.004	0.001

Table 6.5.3 (continued). Nitrite (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Bold** = highest recorded mean concentrations. No value (-) indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	-	-	-	-
MN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	-	-	-	-
	2471	Aransas Bay	-	-	-	-
	2472	Copano Bay/Port Bay/Mission Bay	1	0.001	0.001	0.001
	2473	St. Charles Bay	-	-	-	-
	2481	Corpus Christi Bay	9	<0.001	0.006	0.001
	2482	Nueces Bay	1	0.002	0.002	0.002
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.002	0.003	0.003
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.001	0.019	0.010
BN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	3	0.002	0.004	0.002
	2471	Aransas Bay	5	<0.001	0.002	0.001
	2472	Copano Bay/Port Bay/Mission Bay	4	0.001	0.001	0.001
	2473	St. Charles Bay	3	0.001	0.002	0.001
	2481	Corpus Christi Bay	10	<0.001	0.021	0.004
	2482	Nueces Bay	3	0.002	0.013	0.005
	2483	Redfish Bay	1	<0.001	<0.001	<0.001
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	1	<0.001	<0.001	<0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	4	<0.001	0.004	0.002

Table 6.5.4. Nitrate + Nitrite (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Shaded = value exceeded TCEQ SLE (Screening Level Estuary). SLE is only applicable to SNU samples. Bold = highest recorded mean concentrations.**

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate-Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.003	0.202	0.102
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.002	0.009	0.006
TCEQ	2471	Aransas Bay	5	0.001	0.003	0.002
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	4	0.002	0.004	0.002
0.26 mg/L	2473	St. Charles Bay	3	0.002	0.005	0.003
	2481	Corpus Christi Bay	11	0.002	0.003	0.002
	2482	Nueces Bay	3	0.002	0.002	0.002
	2483	Redfish Bay	1	0.002	0.002	0.002
	2485	Oso Bay	2	0.003	0.005	0.004
	2491	Laguna Madre	10	0.001	0.005	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.002	0.009	0.004
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate-Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.009	0.272	0.141
SN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.008	0.025	0.015
	2471	Aransas Bay	5	0.002	0.011	0.006
	2472	Copano Bay/Port Bay/Mission Bay	4	0.005	0.016	0.010
	2473	St. Charles Bay	3	0.002	0.005	0.003
	2481	Corpus Christi Bay	10	0.001	0.007	0.005
	2482	Nueces Bay	3	0.005	0.007	0.006
	2483	Redfish Bay	1	0.004	0.004	0.004
	2485	Oso Bay	2	0.002	0.004	0.003
	2491	Laguna Madre	10	<0.001	0.005	0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.001	0.008	0.003

Table 6.5.4 (continued). Nitrate + Nitrite (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Shaded = value exceeded TCEQ SLE (Screening Level Estuary). SLE is only applicable to SNU samples.** **Bold** = highest recorded mean concentrations. No value (-) indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate-Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	-	-	-	-
MN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	-	-	-	-
	2471	Aransas Bay	-	-	-	-
	2472	Copano Bay/Port Bay/Mission Bay	1	0.002	0.002	0.002
	2473	St. Charles Bay	-	-	-	-
	2481	Corpus Christi Bay	9	0.002	0.007	0.003
	2482	Nueces Bay	1	0.004	0.004	0.004
	2483	Redfish Bay	1	0.002	0.002	0.002
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.004	0.004	0.004
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate-Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.007	0.353	0.180
BN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	3	0.002	0.012	0.006
	2471	Aransas Bay	5	0.002	0.005	0.003
	2472	Copano Bay/Port Bay/Mission Bay	4	0.001	0.004	0.003
	2473	St. Charles Bay	3	0.003	0.008	0.005
	2481	Corpus Christi Bay	10	<0.001	0.027	0.007
	2482	Nueces Bay	3	0.002	0.029	0.015
	2483	Redfish Bay	1	0.001	0.001	0.001
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	1	0.001	0.001	0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	4	0.001	0.005	0.003

Table 6.5.5. Total Phosphorus and Ortho-Phosphorus (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Shaded = value exceeded TCEQ SLE (Screening Level Estuary). SLE is only applicable to SNU and SN samples. Bold = highest recorded mean concentrations.**

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Phosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.037	0.047	0.042
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.043	0.099	0.067
TCEQ	2471	Aransas Bay	5	0.002	0.073	0.039
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	4	0.057	0.093	0.069
0.22 mg/L	2473	St. Charles Bay	3	0.025	0.071	0.044
	2481	Corpus Christi Bay	11	0.002	0.102	0.067
	2482	Nueces Bay	3	0.106	0.246	0.185
	2483	Redfish Bay	1	0.031	0.031	0.031
	2485	Oso Bay	2	0.023	0.084	0.053
	2491	Laguna Madre	10	0.006	0.071	0.023
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.040	0.080	0.059
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ortho-Phosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	<0.001	0.023	0.012
SN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.044	0.059	0.054
TCEQ	2471	Aransas Bay	5	0.013	0.052	0.037
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	4	0.043	0.055	0.050
0.16 mg/L	2473	St. Charles Bay	3	0.019	0.032	0.026
	2481	Corpus Christi Bay	10	0.004	0.055	0.035
	2482	Nueces Bay	3	0.067	0.137	0.103
	2483	Redfish Bay	1	0.023	0.023	0.023
	2485	Oso Bay	2	0.008	0.011	0.010
	2491	Laguna Madre	10	0.002	0.022	0.007
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.003	0.023	0.012

Table 6.5.5 (continued). Ortho-Phosphorus (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field), EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Shaded = value exceeded TCEQ SLE (Screening Level Estuary). SLE is only applicable to SNU samples and SN samples. Bold = highest recorded mean concentrations.** No value (-) indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ortho-Phosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	-	-	-	-
MN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	-	-	-	-
	2471	Aransas Bay	-	-	-	-
	2472	Copano Bay/Port Bay/Mission Bay	1	0.039	0.039	0.039
	2473	St. Charles Bay	-	-	-	-
	2481	Corpus Christi Bay	9	0.007	0.046	0.023
	2482	Nueces Bay	1	0.086	0.086	0.086
	2483	Redfish Bay	1	0.020	0.020	0.020
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.001	0.003	0.002
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ortho-Phosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.004	0.004	0.004
BN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	3	0.041	0.060	0.051
	2471	Aransas Bay	5	0.002	0.049	0.030
	2472	Copano Bay/Port Bay/Mission Bay	4	0.041	0.056	0.048
	2473	St. Charles Bay	3	0.005	0.020	0.012
	2481	Corpus Christi Bay	10	0.001	0.053	0.033
	2482	Nueces Bay	3	0.054	0.132	0.105
	2483	Redfish Bay	1	0.022	0.022	0.022
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	1	<0.001	<0.001	<0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	4	0.001	0.004	0.003

Table 6.5.6. Chlorophyll *a* (µg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method and EPA Method (SCL = Surface Chlorophyll *a* Field Filtered, MCL = Mid-Depth Chlorophyll *a* Field Filtered, BCL = Bottom Chlorophyll *a* Field Filtered). **Shaded = value exceeded TCEQ SLE (Screening Level Estuary). SLE is only applicable to SCL samples. Others provided for reference. Bold** = highest recorded mean concentrations. No value (-) indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Chlorophyll <i>a</i>	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	18.66	45.42	32.04
SCL	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	2.02	8.29	4.56
TCEQ	2471	Aransas Bay	5	3.58	5.73	5.23
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	4	1.14	8.59	5.33
11.50 µg/L	2473	St. Charles Bay	3	5.95	15.10	9.05
	2481	Corpus Christi Bay	11	2.55	19.50	10.36
	2482	Nueces Bay	3	8.03	22.31	15.75
	2483	Redfish Bay	1	9.08	9.08	9.08
	2485	Oso Bay	2	3.39	24.53	13.96
	2491	Laguna Madre	9	0.22	16.20	5.70
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	6.74	12.73	9.24
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Chlorophyll <i>a</i>	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	-	-	-	-
MCL	2463	Mesquite Bay/Carlos Bay/Ayres Bay	-	-	-	-
	2471	Aransas Bay	1	6.87	6.87	6.87
	2472	Copano Bay/Port Bay/Mission Bay	1	4.99	4.99	4.99
	2473	St. Charles Bay	-	-	-	-
	2481	Corpus Christi Bay	9	2.71	14.40	10.58
	2482	Nueces Bay	1	21.30	21.30	21.30
	2483	Redfish Bay	1	8.68	8.68	8.68
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	3.08	10.30	6.69
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Chlorophyll <i>a</i>	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	47.58	47.58	47.58
BCL	2463	Mesquite Bay/Carlos Bay/Ayres Bay	3	2.93	7.61	4.65
	2471	Aransas Bay	4	2.94	10.20	7.53
	2472	Copano Bay/Port Bay/Mission Bay	4	5.13	9.27	6.58
	2473	St. Charles Bay	3	5.62	15.13	9.43
	2481	Corpus Christi Bay	10	1.85	20.00	9.47
	2482	Nueces Bay	3	7.83	23.66	16.36
	2483	Redfish Bay	1	9.46	9.46	9.46
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	1	4.71	4.71	4.71
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	4	9.03	14.14	12.06

Table 6.5.6 (continued). Total Suspended Solids, or TSS, (mg/L) summary statistics, listed by TCEQ Segment, for RCAP 2002. TCEQ Method and EPA Method SS = Surface sample, MS = Mid-depth sample, and BS = Bottom sample. No value (-) indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
TSS	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	30.0	50.0	40.0
SS	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	13.0	41.0	27.8
	2471	Aransas Bay	5	5.0	25.0	13.6
	2472	Copano Bay/Port Bay/Mission Bay	4	5.0	23.0	16.5
	2473	St. Charles Bay	3	13.0	18.0	15.0
	2481	Corpus Christi Bay	11	3.0	15.0	7.6
	2482	Nueces Bay	3	6.0	22.0	16.0
	2483	Redfish Bay	1	12.0	12.0	12.0
	2485	Oso Bay	2	9.0	53.0	31.0
	2491	Laguna Madre	9	1.0	12.0	6.5
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	17.0	48.0	32.8
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
TSS	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	-	-	-	-
MS	2463	Mesquite Bay/Carlos Bay/Ayres Bay	-	-	-	-
	2471	Aransas Bay	1	6.0	6.0	6.0
	2472	Copano Bay/Port Bay/Mission Bay	1	32.0	32.0	32.0
	2473	St. Charles Bay	-	-	-	-
	2481	Corpus Christi Bay	9	3.0	12.0	7.3
	2482	Nueces Bay	1	21.0	21.0	21.0
	2483	Redfish Bay	1	11.0	11.0	11.0
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	-	-	-	-
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	22.0	36.0	29.0
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
TSS	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	38.0	72.0	55.0
BS	2463	Mesquite Bay/Carlos Bay/Ayres Bay	3	19.0	65.0	48.7
	2471	Aransas Bay	5	11.0	34.0	20.4
	2472	Copano Bay/Port Bay/Mission Bay	4	7.0	44.0	22.8
	2473	St. Charles Bay	3	17.0	48.0	34.0
	2481	Corpus Christi Bay	10	7.0	35.0	18.8
	2482	Nueces Bay	3	14.0	32.0	25.7
	2483	Redfish Bay	1	49.0	49.0	49.0
	2485	Oso Bay	-	-	-	-
	2491	Laguna Madre	1	25.0	25.0	25.0
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	4	21.0	98.0	61.8

6.6 Microbiological – Individual Concentrations (CFU/100 ml)

Table 6.6.1. Enterococci concentrations comparing three different methods recorded at RCAP 2002 sampling sites. **Shaded value exceeded TCEQ criteria level of 104 CFU/100 ml.**

Segment	Segment Name	CCS ID	TCEQ ID	IDEXX 51	IDEXX 97	Method 1600
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	<10	<10	9
		246	18217	<10	10	<1
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	<10	<10	<1
		253	18224	<10	<10	<1
		254	18225	<10	<10	3
		256	18227	<10	<10	<1
2471	Aransas Bay	257	18228	<10	<10	<1
		259	18230	<10	<10	<1
		260	18231	<10	<10	<1
		261	18232	<10	<10	<1
		262	18233	<10	<10	<1
2472	Copano Bay/Port Bay/Mission Bay	250	18221	<10	20	1
		252	18223	<10	<10	<1
		255	18226	<10	<10	<1
		258	18229	<10	31	3
2473	St. Charles Bay	247	18218	<10	<10	<1
		248	18219	<10	<10	<1
		251	18222	<10	10	<1
2481	Corpus Christi Bay	266	18237	324	201	280
		268	18239	<10	<10	<1
		269	18240	10	20	5
		270	18241	<10	<10	<1
		271	18242	<10	<10	<1
		272	18243	<10	<10	<1
		273	18244	<10	<10	<1
		274	18245	<10	<10	<1
		275	18246	<10	<10	<1
		276	18247	10	<10	<1
2482	Nueces Bay	279	18250	<10	<10	4
		263	18234	10	10	26
		264	18235	1184	1576	>1560
		267	18238	10	<10	3

Table 6.6.1. (continued).

Segment	Segment Name	CCS_ID	TCEQ_ID	IDEXX 51	IDEXX 97	Method 1600
2483	Redfish Bay	265	18236	<10	<10	<1
2485	Oso Bay	277	18248	<10	10	<1
		278	18249	<10	<10	<1
2491	Laguna Madre	280	18251	<10	<10	1
		281	18252	10	<10	<1
		282	18253	<10	<10	<1
		283	18254	<10	10	<1
		284	18255	<10	<10	<1
		290	18261	10	<10	<1
		291	18262	<10	<10	<1
		292	18263	<10	<10	<1
		293	18264	<10	20	<1
		294	18265	<10	<10	1
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	<10	20	4
		286	18257	<10	10	1
		287	18258	<10	10	1
		288	18259	<10	10	<1
		289	18260	<10	20	<1

6.7 Trace Metals in Sediment and Sediment Characteristics– Individual Concentrations (mg/kg or ppm Dry Weight)

Table 6.7.1. Trace metal (mg/kg or ppm dry weight) and sediment characteristic (%) concentrations for RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level. Shaded value exceeded TCEQ 85th percentile only.** No value (-) indicates concentration below the reporting limit listed in parentheses below chemical symbol. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	Ag (0.05)	Al (1300)	As (1.5)	Cd (0.05)	Cr (4.0)	Cu (5.0)	Fe (500)	Hg (0.01)	Mn (2.0)	Ni (1.0)	Pb (1.0)	Sb (0.2)	Se (0.1)	Sn (0.1)	Zn (2.0)	% TOC	% Silt/Clay	% Sand	% Gravel
2462	San Antonio/Hynes/Guadalupe Bays	245	18216	-	32400	2.9	0.17	27.3	5.6	12600	0.024	282	7.0	13.2	0.4	0.9	0.8	34.8	2.0	78.8	20.9	0.3
		246	18217	-	34700	2.8	0.17	27.4	6.5	13800	0.027	301	7.4	14.1	0.4	0.6	0.9	37.9	1.9	85.1	14.7	0.2
2463	Mesquite/Carlos/Ayres Bays	249	18220	-	25300	2.9	0.33	17.6	6.2	8450	0.022	195	5.6	10.3	0.4	-	0.6	24.3	0.7	43.1	48.0	8.9
		253	18224	-	31800	3.7	0.27	26.1	8.7	12700	0.040	363	9.1	13.3	0.4	0.3	0.8	36.4	1.1	52.1	43.3	4.6
		254	18225	-	29200	3.1	0.35	23.6	8.3	11300	0.029	233	7.6	12.9	0.4	0.1	0.8	32.9	0.2	28.4	71.6	-
2471	Aransas Bay	256	18227	-	22200	2.6	-	15.5	5.0	6860	0.022	151	5.2	12.3	-	0.1	1.1	18.0	<0.1	25.5	74.2	0.3
		257	18228	0.18	29800	3.1	0.25	24.5	6.7	11800	0.022	212	7.4	12.1	0.4	0.1	1.0	30.2	1.6	47.2	52.8	-
		259	18230	-	53600	5.9	0.29	40.9	13.5	22800	0.052	472	14.4	23.3	0.6	-	2.5	61.5	1.4	95.5	4.3	0.2
2472	Copano/Port/Mission Bays	260	18231	-	30900	3.8	0.35	23.0	8.4	12100	0.019	356	8.6	12.3	0.3	0.1	0.9	32.7	1.1	36.0	28.0	36.0
		261	18232	-	3970	-	-	4.3	-	643	-	20	-	10.7	-	-	-	-	0.5	4.2	63.4	32.4
		262	18233	0.16	12100	-	-	6.3	-	2290	0.011	46	1.4	5.5	-	-	0.2	6.2	0.5	13.9	85.5	0.6
		250	18221	0.09	47900	5.0	0.48	37.0	13.8	19200	0.032	364	10.9	20.4	0.7	-	1.5	48.9	<0.1	83.7	16.4	-
		252	18223	-	13600	1.5	0.50	7.5	-	2340	0.015	90	1.8	7.4	0.3	-	-	7.7	0.4	16.9	81.4	1.7
2473	St. Charles Bay	255	18226	0.05	49300	5.2	0.25	44.0	13.7	24600	0.073	438	13.7	23.2	0.8	-	1.6	63.9	3.5	98.8	1.2	-
		258	18229	0.18	33300	3.3	0.17	28.7	9.7	12800	0.030	257	7.8	14.1	0.7	0.1	1.6	34.3	0.8	77.9	21.9	0.2
		247	18218	0.07	29800	2.1	0.07	23.5	6.0	10200	0.016	181	4.9	11.6	0.3	-	0.9	26.7	0.8	59.6	40.1	0.3
2481	Corpus Christi Bay	248	18219	-	34800	2.7	0.07	25.5	7.2	11700	0.022	216	5.5	12.7	0.3	-	1.2	31.4	1.2	66.5	33.5	-
		251	18222	-	40600	3.6	0.08	30.6	8.5	16900	0.032	262	8.2	15.4	0.3	-	1.2	46.3	17.9	70.6	28.6	0.8
2481	Corpus Christi Bay	266	18237	-	44700	6.0	0.41	32.4	10.8	19100	0.123	316	11.8	26.4	0.6	0.2	1.6	111.0	1.5	68.1	18.2	13.7
		268	18239	0.05	45900	5.4	0.29	33.8	11.9	17800	0.081	357	10.1	23.2	0.6	-	2.2	67.9	0.9	80.5	14.0	5.5
		269	18240	-	15700	1.9	0.42	12.7	-	4380	0.023	137	3.0	8.8	0.3	-	1.0	14.3	0.8	14.9	82.5	2.7
		270	18241	0.11	38300	6.0	0.41	41.5	15.1	23200	0.126	354	11.9	31.0	0.7	-	2.5	100.7	2.3	93.9	5.0	1.1
		271	18242	0.08	50900	6.4	0.31	41.6	12.4	23900	0.132	342	12.6	30.7	0.7	-	2.7	102.7	1.3	97.7	1.0	1.2
		272	18243	0.05	37000	4.6	0.19	26.8	10.3	14800	0.073	303	9.0	20.1	0.5	-	2.0	61.4	0.6	28.1	31.2	40.8
		273	18244	-	47400	5.6	0.65	37.7	12.9	20000	0.066	431	12.8	22.2	0.5	0.2	1.5	79.1	2.7	80.8	12.5	6.8
		274	18245	-	1930	0.9	0.37	5.0	-	780	0.012	24	-	3.8	0.3	-	0.5	2.5	0.2	10.1	89.5	0.4
		275	18246	0.06	51400	6.3	0.88	43.5	14.8	24500	0.101	435	14.4	35.8	0.7	-	1.7	111.3	2.1	82.7	16.5	0.8
		276	18247	0.16	58400	6.2	0.41	40.7	27.5	22200	0.103	479	13.9	28.9	0.6	0.8	1.4	90.6	1.2	91.2	8.8	-
279	18250	0.05	4680	3.3	0.45	7.1	-	3150	0.022	71	2.4	9.1	0.4	-	-	11.4	0.9	8.4	82.3	9.4		

Table 6.7.1. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Ag (0.05)	Al (1300)	As (1.5)	Cd (0.05)	Cr (4.0)	Cu (5.0)	Fe (500)	Hg (0.01)	Mn (2.0)	Ni (1.0)	Pb (1.0)	Sb (0.2)	Se (0.1)	Sn (0.1)	Zn (2.0)	% TOC	% Silt/Clay	% Sand	% Gravel
2482	Nueces Bay	263	18234	0.17	46000	4.7	0.89	34.9	13.4	17700	0.191	389	9.8	22.8	0.6	-	1.3	102.5	1.9	93.7	5.7	0.6
		264	18235	-	57000	6.6	0.79	34.8	13.1	24600	0.044	361	13.2	22.3	0.8	0.1	1.5	74.5	2.3	83.6	16.2	0.2
		267	18238	0.18	19100	2.4	1.27	18.5	8.2	6060	0.083	143	3.4	14.3	-	0.1	1.0	61.5	0.8	34.4	62.2	3.4
2483	Redfish Bay	265	18236	-	24800	3.6	0.61	23.0	9.6	10200	0.021	242	7.4	14.1	0.4	0.3	0.6	39.5	1.5	27.2	49.8	23.1
2485	Oso Bay	277	18248	0.09	3290	-	0.45	6.5	-	1540	0.017	35	-	7.7	-	-	0.4	6.3	0.1	8.1	91.6	0.3
		278	18249	0.17	26500	3.3	0.59	22.4	7.9	10200	0.028	143	5.5	19.3	0.8	0.2	0.6	34.4	0.7	72.3	27.5	0.2
2491	Laguna Madre	280	18251	-	18100	4.0	0.21	16.7	7.1	7100	0.035	104	5.2	14.9	0.6	0.2	0.2	31.0	2.0	26.1	65.0	8.8
		281	18252	0.08	6680	-	-	6.9	-	3260	-	98	-	5.6	-	-	0.2	4.8	0.1	9.1	90.6	0.3
		282	18253	-	12400	3.0	0.53	11.1	-	3160	0.021	79	2.4	9.2	0.3	0.2	-	12.7	1.0	10.9	82.5	6.6
		283	18254	-	16600	3.1	0.14	14.5	5.3	5520	0.018	86	4.2	8.5	0.2	-	0.2	20.9	1.5	26.9	68.0	5.1
		284	18255	-	4510	-	0.07	-	-	990	-	44	-	3.0	0.5	-	-	-	1.3	10.5	79.9	9.6
		290	18261	-	7030	5.0	0.19	13.6	6.6	7380	0.013	121	5.6	11.0	0.4	0.7	0.4	23.2	1.8	32.0	67.6	0.4
		291	18262	-	14600	4.5	0.08	7.2	-	3930	0.013	133	3.1	6.3	0.3	0.2	-	11.6	2.6	17.6	69.1	13.4
		292	18263	-	13500	1.7	-	8.9	-	2640	-	64	1.3	5.7	0.3	0.3	-	5.9	1.2	9.5	87.7	2.8
		293	18264	-	21600	3.4	0.08	12.6	5.2	7440	0.028	160	4.7	9.2	0.5	0.2	0.2	22.0	4.6	18.0	79.7	2.4
		294	18265	0.05	21300	3.3	0.07	11.2	-	6640	0.026	170	4.1	8.9	0.4	0.6	-	19.5	4.2	29.0	70.6	0.4
2492	Baffin Bay/Alazan Bay/	285	18256	0.05	49500	4.0	0.10	37.0	8.5	21100	0.026	372	11.8	17.7	0.8	0.8	1.2	61.9	2.3	83.9	15.4	0.8
	Cayo del Grullo/Laguna Salada	286	18257	-	13900	1.9	0.09	13.3	-	4380	0.012	99	2.4	7.5	0.3	-	-	10.9	0.8	17.6	68.5	13.9
		287	18258	-	48000	6.9	0.16	36.9	10.1	21000	0.026	374	9.7	16.3	0.5	1.6	1.2	60.8	2.8	84.1	13.1	2.8
		288	18259	-	18400	2.3	-	10.6	5.4	5390	0.021	124	3.4	9.1	0.2	-	0.4	16.2	0.4	19.7	73.3	7.0
		289	18260	0.06	46800	6.1	0.25	38.9	17.2	23300	0.091	465	14.6	24.0	0.7	0.7	1.0	70.3	1.8	89.7	9.4	0.9

6.8 Trace Metals in Sediment and Sediment Characteristics – Summary Statistics

Table 6.8.1. Total Organic Carbon (%), Sand (%), and Silt/Clay (%) summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Organic Carbon (%)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	1.90	1.97	1.94
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.02	1.13	0.51
	2471	Aransas Bay	5	0.51	1.57	1.02
	2472	Copano Bay/Port Bay/Mission Bay	4	0.03	3.52	1.17
	2473	St. Charles Bay	3	0.81	17.90	6.64
	2481	Corpus Christi Bay	11	0.20	2.73	1.32
	2482	Nueces Bay	3	0.79	2.27	1.64
	2483	Redfish Bay	1	1.52	1.52	1.52
	2485	Oso Bay	2	0.08	0.67	0.38
	2491	Laguna Madre	10	0.13	4.60	2.02
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.41	2.77	1.63

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Percent Sand (0.0625 - 2.00 mm)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	14.7	20.9	17.8
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	43.3	74.2	59.3
	2471	Aransas Bay	5	4.3	85.5	46.8
	2472	Copano Bay/Port Bay/Mission Bay	4	1.2	81.4	30.2
	2473	St. Charles Bay	3	28.6	40.1	34.1
	2481	Corpus Christi Bay	11	1.0	89.5	32.9
	2482	Nueces Bay	3	5.7	62.2	28.0
	2483	Redfish Bay	1	49.8	49.8	49.8
	2485	Oso Bay	2	27.5	91.6	59.5
	2491	Laguna Madre	10	65.0	90.6	76.1
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	9.4	73.3	35.9

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Percent Silt/Clay (< 0.0625 mm)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	78.8	85.1	81.9
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	25.5	52.1	37.3
	2471	Aransas Bay	5	4.2	95.5	39.3
	2472	Copano Bay/Port Bay/Mission Bay	4	16.9	98.8	69.3
	2473	St. Charles Bay	3	59.6	70.6	65.5
	2481	Corpus Christi Bay	11	8.4	97.7	59.7
	2482	Nueces Bay	3	34.4	93.7	70.6
	2483	Redfish Bay	1	27.2	27.2	27.2
	2485	Oso Bay	2	8.1	72.3	40.2
	2491	Laguna Madre	10	9.1	32.0	18.9
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	17.6	89.7	59.0

Table 6.8.2. Aluminum, Antimony, and Arsenic (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded blue value exceeded TCEQ 85th percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Aluminum (Al)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	32400	34700	33550
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	22200	31800	27125
85 th Percentile (NA)	2471	Aransas Bay	5	3970	53600	26074
	2472	Copano Bay/Port Bay/Mission Bay	4	13600	49300	36025
	2473	St. Charles Bay	3	29800	40600	35067
	2481	Corpus Christi Bay	11	1930	58400	36028
	2482	Nueces Bay	3	19100	57000	40700
	2483	Redfish Bay	1	24800	24800	24800
	2485	Oso Bay	2	3290	26500	14895
	2491	Laguna Madre	10	4510	21600	13632
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	13900	49500	35320

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Antimony (Sb)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.40	0.40	0.40
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.20	0.40	0.30
85 th Percentile (NA)	2471	Aransas Bay	5	<0.20	0.60	0.26
	2472	Copano Bay/Port Bay/Mission Bay	4	0.30	0.80	0.63
	2473	St. Charles Bay	3	0.30	0.30	0.30
	2481	Corpus Christi Bay	11	0.30	0.70	0.54
	2482	Nueces Bay	3	<0.20	0.80	0.47
	2483	Redfish Bay	1	0.40	0.40	0.40
	2485	Oso Bay	2	<0.20	0.80	0.40
	2491	Laguna Madre	10	<0.20	0.60	0.35
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.20	0.80	0.50

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Arsenic (As)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	2.80	2.90	2.85
PEL = 41.60	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	2.60	3.70	3.08
85 th Percentile = 9.61	2471	Aransas Bay	5	<1.50	5.90	2.56
	2472	Copano Bay/Port Bay/Mission Bay	4	1.50	5.20	3.75
	2473	St. Charles Bay	3	2.10	3.60	2.80
	2481	Corpus Christi Bay	11	0.90	6.40	4.78
	2482	Nueces Bay	3	2.40	6.60	4.57
	2483	Redfish Bay	1	3.60	3.60	3.60
	2485	Oso Bay	2	<1.50	3.30	1.65
	2491	Laguna Madre	10	<1.50	5.00	2.80
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	1.90	6.90	4.24

Table 6.8.3. Cadmium, Chromium, and Copper(mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded value exceeded TCEQ 85th percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Cadmium (Cd)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.17	0.17	0.17
PEL = 4.21	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	<0.05	0.35	0.24
85 th Percentile = 0.663	2471	Aransas Bay	5	<0.05	0.35	0.18
	2472	Copano Bay/Port Bay/Mission Bay	4	0.17	0.50	0.35
	2473	St. Charles Bay	3	0.07	0.08	0.07
	2481	Corpus Christi Bay	11	0.19	0.88	0.44
	2482	Nueces Bay	3	0.79	1.27	0.98
	2483	Redfish Bay	1	0.61	0.61	0.61
	2485	Oso Bay	2	0.45	0.59	0.52
	2491	Laguna Madre	10	<0.05	0.53	0.14
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.05	0.25	0.12

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Chromium (Cr)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	27.30	27.40	27.35
PEL = 160.40	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	15.50	26.10	20.70
85 th Percentile = 36.90	2471	Aransas Bay	5	4.30	40.90	19.80
	2472	Copano Bay/Port Bay/Mission Bay	4	7.50	44.00	29.30
	2473	St. Charles Bay	3	23.50	30.60	26.53
	2481	Corpus Christi Bay	11	5.00	43.50	29.35
	2482	Nueces Bay	3	18.50	34.90	29.40
	2483	Redfish Bay	1	23.00	23.00	23.00
	2485	Oso Bay	2	6.50	22.40	14.45
	2491	Laguna Madre	10	<4.00	16.70	10.27
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	10.60	38.90	27.34

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Copper (Cu)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	5.60	6.50	6.05
PEL = 108.20	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	5.00	8.70	7.05
85 th Percentile = 19.90	2471	Aransas Bay	5	<5.00	13.50	5.72
	2472	Copano Bay/Port Bay/Mission Bay	4	<5.00	13.80	9.30
	2473	St. Charles Bay	3	6.00	8.50	7.23
	2481	Corpus Christi Bay	11	<5.00	27.50	10.52
	2482	Nueces Bay	3	8.20	13.40	11.57
	2483	Redfish Bay	1	9.60	9.60	9.60
	2485	Oso Bay	2	<5.00	7.90	3.95
	2491	Laguna Madre	10	<5.00	7.10	2.42
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<5.00	17.20	8.24

Table 6.8.4. Iron, Lead, and Manganese (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded value exceeded TCEQ 85th percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Iron (Fe)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	12600	13800	13200
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	6860	12700	9828
85 th Percentile (NA)	2471	Aransas Bay	5	643	22800	9927
	2472	Copano Bay/Port Bay/Mission Bay	4	2340	24600	14735
	2473	St. Charles Bay	3	10200	16900	12933
	2481	Corpus Christi Bay	11	780	24500	15801
	2482	Nueces Bay	3	6060	24600	16120
	2483	Redfish Bay	1	10200	10200	10200
	2485	Oso Bay	2	1540	10200	5870
	2491	Laguna Madre	10	990	7440	4806
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4380	23300	15034

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Lead (Pb)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	13.20	14.10	13.65
PEL = 112.18	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	10.30	13.30	12.20
85 th Percentile = 21.90	2471	Aransas Bay	5	5.50	23.30	12.78
	2472	Copano Bay/Port Bay/Mission Bay	4	7.40	23.20	16.28
	2473	St. Charles Bay	3	11.60	15.40	13.23
	2481	Corpus Christi Bay	11	3.80	35.80	21.82
	2482	Nueces Bay	3	14.30	22.80	19.80
	2483	Redfish Bay	1	14.10	14.10	14.10
	2485	Oso Bay	2	7.70	19.30	13.50
	2491	Laguna Madre	10	3.00	14.90	8.23
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	7.50	24.00	14.92

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Manganese (Mn)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	282	301	291
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	151	363	235
85 th Percentile (NA)	2471	Aransas Bay	5	20	472	221
	2472	Copano Bay/Port Bay/Mission Bay	4	90	438	287
	2473	St. Charles Bay	3	181	262	220
	2481	Corpus Christi Bay	11	24	479	295
	2482	Nueces Bay	3	143	389	297
	2483	Redfish Bay	1	242	242	242
	2485	Oso Bay	2	35	143	89
	2491	Laguna Madre	10	44	170	106
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	99	465	287

Table 6.8.5. Mercury, Nickel, and Selenium (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded blue value exceeded TCEQ 85th percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Mercury (Hg)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.024	0.027	0.026
PEL = 0.696	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.022	0.040	0.028
85 th Percentile = 0.230	2471	Aransas Bay	5	<0.010	0.052	0.021
	2472	Copano Bay/Port Bay/Mission Bay	4	0.015	0.073	0.038
	2473	St. Charles Bay	3	0.016	0.032	0.023
	2481	Corpus Christi Bay	11	0.012	0.132	0.078
	2482	Nueces Bay	3	0.044	0.191	0.106
	2483	Redfish Bay	1	0.021	0.021	0.021
	2485	Oso Bay	2	0.017	0.028	0.023
	2491	Laguna Madre	10	<0.010	0.035	0.015
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.012	0.091	0.035

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nickel (Ni)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	7.00	7.40	7.20
PEL = 42.80	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	5.20	9.10	6.88
85 th Percentile = 21.40	2471	Aransas Bay	5	<1.00	14.40	6.36
	2472	Copano Bay/Port Bay/Mission Bay	4	1.80	13.70	8.55
	2473	St. Charles Bay	3	4.90	8.20	6.20
	2481	Corpus Christi Bay	11	1.00	14.40	9.26
	2482	Nueces Bay	3	3.40	13.20	8.80
	2483	Redfish Bay	1	7.40	7.40	7.40
	2485	Oso Bay	2	<1.00	5.50	2.75
	2491	Laguna Madre	10	<1.00	5.60	3.06
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	2.40	14.60	8.38

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Selenium (Se)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.60	0.90	0.75
PEL = NA	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	<0.10	0.30	0.13
85 th Percentile = 1.70	2471	Aransas Bay	5	<0.10	0.10	0.04
	2472	Copano Bay/Port Bay/Mission Bay	4	<0.10	0.10	0.03
	2473	St. Charles Bay	3	<0.10	0.10	0.00
	2481	Corpus Christi Bay	11	<0.10	0.80	0.11
	2482	Nueces Bay	3	<0.10	0.10	0.07
	2483	Redfish Bay	1	0.30	0.30	0.30
	2485	Oso Bay	2	<0.10	0.20	0.10
	2491	Laguna Madre	10	<0.10	0.70	0.24
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.10	1.60	0.62

Table 6.8.6. Silver, Tin, and Zinc (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded value exceeded TCEQ 85th percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Silver (Ag)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	<0.050	<0.050	<0.050
PEL = 1.77	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	<0.050	<0.050	<0.050
85 th Percentile = 0.600	2471	Aransas Bay	5	<0.050	0.180	0.068
	2472	Copano Bay/Port Bay/Mission Bay	4	<0.050	0.180	0.080
	2473	St. Charles Bay	3	<0.050	0.070	0.023
	2481	Corpus Christi Bay	11	<0.050	0.160	0.046
	2482	Nueces Bay	3	<0.050	0.180	0.117
	2483	Redfish Bay	1	<0.050	0.050	<0.050
	2485	Oso Bay	2	0.090	0.170	0.130
	2491	Laguna Madre	10	<0.050	0.080	0.013
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.050	0.060	0.022

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Tin (Sn)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	0.80	0.90	0.85
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	0.60	1.10	0.83
85 th Percentile (NA)	2471	Aransas Bay	5	<0.10	2.50	0.92
	2472	Copano Bay/Port Bay/Mission Bay	4	<0.10	1.60	1.18
	2473	St. Charles Bay	3	0.90	1.20	1.10
	2481	Corpus Christi Bay	11	<0.10	2.70	1.55
	2482	Nueces Bay	3	1.00	1.50	1.27
	2483	Redfish Bay	1	0.60	0.60	0.60
	2485	Oso Bay	2	0.40	0.60	0.50
	2491	Laguna Madre	10	<0.10	0.40	0.12
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.10	1.20	0.76

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Zinc (Zn)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	2	34.80	37.90	36.35
PEL = 271.0	2463	Mesquite Bay/Carlos Bay/Ayres Bay	4	18.00	36.40	27.90
85 th Percentile = 107.0	2471	Aransas Bay	5	<2.00	61.50	26.12
	2472	Copano Bay/Port Bay/Mission Bay	4	7.70	63.90	38.70
	2473	St. Charles Bay	3	26.70	46.30	34.80
	2481	Corpus Christi Bay	11	2.50	111.30	68.45
	2482	Nueces Bay	3	61.50	102.50	79.50
	2483	Redfish Bay	1	39.50	39.50	39.50
	2485	Oso Bay	2	6.30	34.40	20.35
	2491	Laguna Madre	10	<2.00	31.00	15.16
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	10.90	70.30	44.02

6.9 Sediment Organics – Individual Concentrations (ng/g or ppb Dry Weight)

Table 6.9.1. Sediment concentrations (ng/g or ppb) of 18 of 20 PCB congeners (PCB 8 and 18 values were < reporting limit) at RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded value exceeded TCEQ 85th percentile only.** No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	28	44	52	66	77	101	105	118	126	128	138	153	170	180	187	195	206	209	Total PCB
2462	San Antonio/Hynes/ Guadalupe Bays	245	18216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2462		246	18217	-	-	-	-	-	-	-	-	-	-	-	2.20	-	-	-	-	-	-	2.20
2463	Mesquite/Carlos/ Ayres Bays	249	18220	-	-	-	-	-	-	0.86	-	-	-	-	2.25	-	-	0.62	-	-	-	3.72
2463		253	18224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2463		254	18225	-	-	-	-	-	1.63	-	-	-	-	2.15	1.49	-	-	-	-	-	-	5.27
2463		256	18227	-	-	-	-	-	-	2.17	-	-	-	-	7.10	0.87	-	-	-	1.04	-	11.18
2471	Aransas Bay	257	18228	-	2.68	2.29	2.61	-	3.94	4.49	3.55	1.70	2.04	4.92	4.53	2.41	3.29	3.41	2.51	3.35	3.21	50.92
2471		259	18230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2471		260	18231	-	-	-	1.87	-	2.26	2.02	-	-	-	-	6.47	-	-	-	-	-	-	12.62
2471		261	18232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2471		262	18233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2472	Copano/Port/Mission Bays	250	18221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2472		252	18223	-	-	-	1.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33
2472		255	18226	-	-	-	7.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30
2472		258	18229	-	11.28	10.61	13.43	29.08	17.19	19.38	23.66	23.23	22.14	21.00	24.05	22.54	25.34	23.64	27.41	29.48	29.16	372.59
2473	St. Charles Bay	247	18218	-	-	-	-	-	-	-	-	-	-	-	6.32	-	-	-	-	-	-	6.32
2473		248	18219	-	-	-	-	-	-	-	-	-	-	-	6.13	-	-	-	-	-	-	6.13
2473		251	18222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	-	-	-	-	-	-	1.15	-	-	-	-	3.45	-	-	-	-	-	-	4.60
2481		268	18239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2481		269	18240	-	-	-	-	-	0.56	2.87	0.45	-	-	0.79	0.50	0.90	0.93	-	0.57	0.80	1.13	9.50
2481		270	18241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2481		271	18242	-	-	-	-	-	1.75	-	-	-	-	-	-	-	-	-	-	-	1.81	3.56
2481		272	18243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2481		273	18244	-	-	-	-	-	-	-	-	-	-	-	15.77	-	-	-	-	-	-	15.77
2481		274	18245	-	-	-	-	-	-	-	-	-	-	-	2.69	-	-	-	-	-	-	2.69
2481		275	18246	-	-	-	3.40	-	-	-	-	-	-	-	8.29	-	-	-	-	-	-	11.69
2481		276	18247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2481		279	18250	-	-	-	-	-	-	-	-	-	-	-	6.24	-	-	-	-	-	-	6.24

Table 6.9.2. Sediment concentrations of DDD, DDE, and DDT (ng/g or ppb) at RCAP 2002 sampling sites. Shaded value exceeded TCEQ PEL and 85th percentile screening level. Shaded value of combined (Total DDD and Total DDE) constituents that exceeded TCEQ 85th percentile only. No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	2,4'-DDD	4,4'-DDD	2,4'-DDE	4,4'-DDE	2,4'-DDT	4,4'-DDT	Total DDT (DDD + DDE + DDT)
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-
		246	18217	-	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	-	-	-	-	1.69	1.69
		253	18224	-	-	-	-	-	-	-
		254	18225	-	1.47	-	-	2.06	3.32	6.85
		256	18227	-	1.47	-	-	2.37	-	3.84
2471	Aransas Bay	257	18228	3.92	2.90	2.84	3.04	3.33	-	16.03
		259	18230	-	-	-	-	-	-	-
		260	18231	-	1.60	-	1.11	1.99	-	4.70
		261	18232	-	-	-	-	-	-	-
		262	18233	-	-	-	-	-	-	-
		2472	Copano Bay/Port Bay/Mission Bay	250	18221	-	-	-	-	-
252	18223	-		-	-	1.44	-	-	1.44	
255	18226	-		-	-	-	-	-	-	
258	18229	29.08		11.14	17.05	21.08	10.27	-	88.62	
2473	St. Charles Bay	247	18218	-	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	-	-	-	-	-	-	-
		268	18239	-	-	-	-	-	-	-
		269	18240	-	-	-	-	-	-	-
		270	18241	-	-	-	-	-	-	-
		271	18242	-	-	-	-	-	-	-
		272	18243	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-
		274	18245	-	-	-	-	-	-	-
		275	18246	-	-	-	-	-	-	-
		276	18247	-	-	-	-	-	-	-
		279	18250	-	-	-	-	-	-	

Table 6.9.2. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	2,4'-DDD	4,4'-DDD	2,4'-DDE	4,4'-DDE	2,4'-DDT	4,4'-DDT	Total DDT (DDD + DDE + DDT)
2482	Nueces Bay	263	18234	-	-	-	-	-	-	-
		264	18235	-	-	0.76	-	-	-	0.76
		267	18238	-	-	-	-	-	-	-
2483	Redfish Bay	265	18236	-	-	-	-	-	-	
2485	Oso Bay	277	18248	-	7.55	-	-	3.14	-	10.69
		278	18249	-	-	-	-	-	-	-
2491	Laguna Madre	280	18251	0.60	-	0.89	-	-	-	1.50
		281	18252	-	-	-	-	-	-	-
		282	18253	-	-	-	-	-	-	-
		283	18254	-	-	-	-	-	-	-
		284	18255	-	-	-	-	-	-	-
		290	18261	-	-	3.29	-	-	-	3.29
		291	18262	-	-	-	-	-	-	-
		292	18263	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	293	18264	-	-	-	-	-	-	-
		294	18265	-	-	-	-	-	-	-
		285	18256	-	-	-	-	-	-	-
		286	18257	-	-	-	-	-	-	-
		287	18258	-	-	-	-	-	-	-
		288	18259	-	-	-	-	-	-	-
		289	18260	-	-	-	-	-	-	-

Table 6.9.3. Sediment concentrations of Chlorinated Pesticides other than DDT (ng/g or ppb) at RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded value exceeded TCEQ 85th percentile only.** No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	aldrin	alpha-chlordane	dieldrin	endosulfan I	endosulfan II	endosulfan sulfate	endrin
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-
		246	18217	-	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	-	-	-	-	-	-
		253	18224	-	-	-	-	-	-	-
		254	18225	-	-	-	-	-	-	-
		256	18227	-	-	-	-	-	-	-
2471	Aransas Bay	257	18228	-	10.36	-	-	-	-	-
		259	18230	-	-	-	-	-	-	-
		260	18231	-	6.51	-	-	-	-	-
		261	18232	-	-	-	-	-	-	-
		262	18233	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	250	18221	-	-	-	-	-	-	-
		252	18223	-	-	-	-	-	-	-
		255	18226	-	-	-	-	-	-	-
		258	18229	-	94.79	-	-	-	-	-
2473	St. Charles Bay	247	18218	-	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	-	-	-	-	-	-	-
		268	18239	-	-	-	-	-	-	-
		269	18240	-	0.60	-	-	-	-	-
		270	18241	-	-	-	-	-	-	-
		271	18242	-	0.77	-	-	-	-	-
		272	18243	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-
		274	18245	-	-	-	-	-	-	-
		275	18246	-	-	-	-	-	-	
		276	18247	-	-	-	-	-	-	
		279	18250	-	-	-	-	-	-	

Table 6.9.3. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	aldrin	alpha-chlordane	dieldrin	endosulfan I	endosulfan II	endosulfan sulfate	endrin
2482	Nueces Bay	263	18234	-	1.84	-	-	-	-	-
		264	18235	-	-	-	-	-	-	-
		267	18238	-	-	-	-	-	-	-
2483	Redfish Bay	265	18236	-	-	-	-	-	-	
2485	Oso Bay	277	18248	-	-	-	-	-	-	-
		278	18249	-	-	-	-	-	-	-
2491	Laguna Madre	280	18251	-	-	-	-	-	-	-
		281	18252	-	-	-	-	-	-	-
		282	18253	-	-	-	-	-	-	-
		283	18254	-	-	-	-	-	-	-
		284	18255	-	-	-	-	-	-	-
		290	18261	-	-	-	-	-	-	-
		291	18262	-	-	-	-	-	-	-
		292	18263	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	293	18264	-	-	-	-	-	-	-
		294	18265	-	-	-	-	-	-	-
		285	18256	-	-	-	-	-	-	-
		286	18257	-	-	-	-	-	-	
		287	18258	-	-	-	-	-	-	
		288	18259	-	-	-	-	-	-	
		289	18260	-	-	-	-	-	-	

Table 6.9.3. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	heptachlor	heptachlor epoxide	hexachlorobenzene	Lindane	mirex	t-nonachlor	toxaphene	Total Chlorinated Pesticides
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-	-
		246	18217	-	-	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	-	-	-	-	-	-	-
		253	18224	-	-	-	-	-	-	-	-
		254	18225	-	-	-	-	-	-	-	-
		256	18227	-	-	-	-	-	0.77	-	0.77
2471	Aransas Bay	257	18228	-	-	-	-	-	5.53	-	15.89
		259	18230	-	-	-	-	-	-	-	-
		260	18231	-	-	-	-	-	-	-	6.51
		261	18232	-	-	-	-	-	-	-	-
		262	18233	-	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	250	18221	-	-	-	-	-	-	-	-
		252	18223	-	-	-	-	-	1.19	-	1.19
		255	18226	-	-	-	-	-	-	-	-
		258	18229	-	-	-	-	28.69	20.92	-	144.40
2473	St. Charles Bay	247	18218	-	-	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	-	-	-	-	-	1.33	-	1.33
		268	18239	-	-	-	-	-	-	-	-
		269	18240	-	-	2.97	3.73	-	0.39	-	7.69
		270	18241	-	-	-	-	-	1.12	-	1.12
		271	18242	-	-	-	-	-	1.26	-	2.03
		272	18243	-	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-	-
		274	18245	-	-	-	-	-	-	-	-
2482	Nueces Bay	275	18246	-	-	-	-	-	-	-	-
		276	18247	-	-	-	-	-	-	-	-
		279	18250	-	-	-	-	-	-	-	-
		263	18234	-	-	-	-	-	-	-	1.84
		264	18235	-	-	-	-	-	-	-	-
		267	18238	-	-	-	-	-	-	-	

Table 6.9.4. Sediment concentrations of 23 PAH's (ng/g or ppb) at RCAP 2002 sampling sites. **Shaded value exceeded TCEQ PEL and 85th percentile screening level.** **Shaded value exceeded TCEQ 85th percentile only.** No value (-) indicates concentration below reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	acenaphthene	acenaphthylene	anthracene	benzo(a)anthracene	dibenz(a,h)anthracene	biphenyl	chrysene
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-
		246	18217	-	-	-	-	2.13	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	-	-	0.41	-	-	-
		253	18224	-	-	-	-	-	-	-
		254	18225	-	-	-	-	-	-	-
		256	18227	-	-	1.71	-	-	-	-
2471	Aransas Bay	257	18228	-	-	-	-	-	-	-
		259	18230	-	-	-	-	-	-	-
		260	18231	-	-	-	-	-	-	-
		261	18232	-	-	-	-	-	-	-
		262	18233	-	-	-	-	41.42	-	-
2472	Copano Bay/Port Bay/Mission Bay	250	18221	-	-	-	-	-	-	-
		252	18223	-	-	-	-	-	-	-
		255	18226	-	-	-	-	-	-	-
		258	18229	-	-	-	3.98	22.67	-	23.88
2473	St. Charles Bay	247	18218	-	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	-	-	-	-	-	-	-
		268	18239	-	-	-	-	-	-	-
		269	18240	-	-	1.21	0.80	-	-	0.86
		270	18241	-	-	6.64	6.46	-	-	9.18
		271	18242	-	-	4.39	4.14	-	-	2.06
		272	18243	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-
		274	18245	-	-	-	-	-	-	-
275	18246	-	-	-	1.73	-	-	2.58		
276	18247	-	-	-	-	-	-	-		
279	18250	-	-	-	-	-	-	-		

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	acenaphthene	acenaphthylene	anthracene	benzo(a)anthracene	dibenz(a,h)anthracene	biphenyl	chrysene
2482	Nueces Bay	263	18234	-	-	3.18	3.44	-	-	5.77
		264	18235	-	-	1.17	-	-	-	-
		267	18238	-	-	1.37	1.45	-	-	7.91
2483	Redfish Bay	265	18236	-	-	2.04	2.78	-	-	3.06
2485	Oso Bay	277	18248	-	-	-	-	-	-	-
		278	18249	-	-	-	-	-	-	-
2491	Laguna Madre	280	18251	-	31.63	-	-	-	-	-
		281	18252	-	-	-	-	-	-	-
		282	18253	-	-	-	-	-	-	-
		283	18254	-	-	-	-	-	-	-
		284	18255	-	-	-	-	-	-	-
		290	18261	-	-	-	-	-	-	-
		291	18262	-	-	-	-	-	-	-
		292	18263	-	-	-	-	-	-	-
		293	18264	-	-	-	-	-	-	-
		294	18265	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	-	-	-	-	-	-	-
		286	18257	-	-	-	-	-	-	-
		287	18258	-	-	-	-	-	-	-
		288	18259	-	-	-	-	-	-	-
		289	18260	-	-	7.56	-	-	-	-

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	fluoranthene	benzo(b)fluoranthene	benzo(k)fluoranthene	fluorene	naphthalene	1-methylnaphthalene
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-
		246	18217	2.16	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	0.65	-	-	-	-	-
		253	18224	0.66	-	-	-	-	-
		254	18225	-	-	-	-	10.85	-
		256	18227	0.46	-	-	-	-	-
2471	Aransas Bay	257	18228	2.39	-	-	-	-	-
		259	18230	-	-	-	-	-	-
		260	18231	-	-	-	-	-	-
		261	18232	-	-	-	-	2.22	1.95
		262	18233	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	250	18221	-	-	-	-	-	-
		252	18223	-	-	-	-	-	-
		255	18226	-	-	-	-	-	-
		258	18229	13.35	27.03	13.94	-	-	-
2473	St. Charles Bay	247	18218	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	3.84	3.77	1.72	-	-	-
		268	18239	-	3.73	1.92	-	-	-
		269	18240	1.01	-	0.45	-	-	-
		270	18241	10.88	6.34	4.91	-	-	3.59
		271	18242	5.92	5.10	2.33	-	-	-
		272	18243	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-
		274	18245	-	-	-	-	-	-
		275	18246	4.54	4.31	2.61	-	4.57	5.07
2482	Nueces Bay	263	18234	6.59	10.10	4.42	-	-	-
		264	18235	0.98	-	-	-	-	-
		267	18238	10.69	7.74	0.88	-	-	-
		265	18236	-	2.58	2.14	-	-	-

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	fluoranthene	benzo(b)fluoranthene	benzo(k)fluoranthene	fluorene	naphthalene	1-methylnaphthalene
2485	Oso Bay	277	18248	-	-	-	-	-	-
		278	18249	-	-	-	-	-	-
2491	Laguna Madre	280	18251	-	-	-	-	-	1.21
		281	18252	-	-	-	-	-	-
		282	18253	-	-	-	-	-	-
		283	18254	-	-	0.44	-	-	-
		284	18255	-	-	-	-	-	-
		290	18261	-	-	-	-	-	-
		291	18262	-	-	-	-	-	-
		292	18263	-	-	-	-	-	-
		293	18264	-	-	-	-	-	-
		294	18265	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	-	-	-	-	-	-
		286	18257	-	-	-	-	-	-
		287	18258	-	-	-	-	-	-
		288	18259	-	-	-	-	-	-
		289	18260	-	-	-	-	-	8.64

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	2-methylnaphthalene	2,6-dimethylnaphthalene	2,3,5-trimethylnaphthalene	phenanthrene	1-methylphenanthrene
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-
		246	18217	-	-	-	-	-
		249	18220	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	253	18224	-	-	-	-	-
		254	18225	6.17	-	-	-	-
		256	18227	-	-	-	-	-
		257	18228	-	-	-	-	-
2471	Aransas Bay	259	18230	-	-	-	-	-
		260	18231	-	-	-	-	-
		261	18232	1.68	-	-	-	-
		262	18233	-	-	-	-	-
		250	18221	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	252	18223	-	-	-	-	-
		255	18226	-	-	-	-	-
		258	18229	-	-	-	-	-
		247	18218	-	-	-	-	-
2473	St. Charles Bay	248	18219	-	-	-	-	-
		251	18222	-	-	-	-	-
		266	18237	-	-	-	2.23	-
2481	Corpus Christi Bay	268	18239	-	-	-	-	-
		269	18240	-	-	-	1.31	-
		270	18241	2.87	-	-	5.59	-
		271	18242	-	-	-	3.18	-
		272	18243	-	-	-	-	-
		273	18244	-	-	-	-	-
		274	18245	-	-	-	-	-
		275	18246	-	-	-	4.66	-
		276	18247	-	-	-	-	-
2482	Nueces Bay	279	18250	-	-	-	-	-
		263	18234	-	-	-	1.22	-
		264	18235	-	-	-	1.00	-
		267	18238	-	-	-	2.99	-
2483	Redfish Bay	265	18236	-	-	-	2.56	-

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	2-methylnaphthalene	2,6-dimethylnaphthalene	2,3,5-trimethylnaphthalene	phenanthrene	1-methylphenanthrene
2485	Oso Bay	277	18248	-	-	-	-	-
		278	18249	-	-	-	-	-
2491	Laguna Madre	280	18251	-	-	-	-	-
		281	18252	-	-	-	-	-
		282	18253	-	-	-	-	-
		283	18254	-	-	-	-	-
		284	18255	-	-	-	-	-
		290	18261	-	-	-	-	-
		291	18262	-	-	-	-	-
		292	18263	-	-	-	-	-
		293	18264	-	-	-	-	-
		294	18265	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	-	-	-	-	-
		286	18257	-	-	-	-	-
		287	18258	-	-	-	-	-
		288	18259	-	-	-	-	-
		289	18260	-	-	-	6.98	-

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	benzo(g,h,i)perylene	pyrene	benzo(a)pyrene	indeno(1,2,3-cd)pyrene	dibenzothiophene	Total PAH
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-
		246	18217	-	1.97	4.54	-	-	10.80
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	0.57	-	-	-	1.63
		253	18224	-	0.59	2.48	-	-	3.73
		254	18225	-	-	-	-	-	17.01
		256	18227	-	0.63	2.66	-	-	5.46
2471	Aransas Bay	257	18228	-	2.41	-	-	-	4.80
		259	18230	-	5.29	-	-	-	5.29
		260	18231	-	-	-	-	-	-
		261	18232	-	-	-	-	-	5.85
		262	18233	36.27	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	250	18221	-	-	-	-	-	-
		252	18223	-	-	-	-	-	-
		255	18226	-	-	-	-	-	-
		258	18229	18.08	14.35	13.17	33.75	-	184.21
2473	St. Charles Bay	247	18218	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	3.18	3.20	3.01	2.09	-	23.02
		268	18239	-	1.41	2.23	-	-	9.28
		269	18240	1.36	1.24	11.12	-	-	19.35
		270	18241	6.49	9.60	8.56	6.14	-	87.23
		271	18242	6.25	5.79	5.84	4.03	-	49.03
		272	18243	4.33	3.32	4.23	3.63	-	15.52
		273	18244	-	6.42	-	-	-	6.42
		274	18245	-	-	-	-	-	-
		275	18246	-	3.84	3.49	2.34	-	39.72
2482	Nueces Bay	276	18247	-	-	-	-	-	6.38
		279	18250	-	-	-	-	-	-
		263	18234	-	8.61	9.86	-	-	53.19
		264	18235	-	1.17	18.09	-	-	22.40
2483	Redfish Bay	267	18238	-	3.91	0.93	-	-	37.88
		265	18236	1.94	2.83	2.17	4.53	-	26.61

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	benzo(g,h,i)perylene	pyrene	benzo(a)pyrene	indeno(1,2,3-cd)pyrene	dibenzothiophene	Total PAH
2485	Oso Bay	277	18248	-	-	15.88	-	-	15.88
		278	18249	-	-	-	-	-	-
2491	Laguna Madre	280	18251	-	1.92	-	-	-	34.76
		281	18252	-	-	-	-	-	-
		282	18253	-	-	-	-	-	-
		283	18254	-	-	-	-	-	0.44
		284	18255	-	-	-	-	-	-
		290	18261	-	-	-	-	-	-
		291	18262	-	-	-	-	-	-
		292	18263	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	293	18264	-	-	-	-	-	-
		294	18265	-	-	-	-	-	-
		285	18256	-	-	-	-	-	-
		286	18257	-	-	-	-	-	-
		287	18258	-	-	-	-	-	-
		288	18259	-	-	-	-	-	-
		289	18260	-	-	-	-	-	23.18

6.10 Sediment Toxicity

Table 6.10.1. RCAP 2002 toxicity results and unionized ammonia concentrations in sediment toxicity tests conducted with the amphipod, *Ampelisca abdita*. NM = Not Measured.

Sample ID	Rep Number (Alive Amphipods)					Mean Number Alive	Mean % Survival	% of Cont.	% of Ref.	Significantly different		Day 10 NH ₃
	1	2	3	4	5					Cont.	Ref.	
Cont	19	20	19	19	16	18.6	93.0					4.03
Cont	19	19	18	16	18	18.0	90.0					5.05
Cont	20	18	20	19	18	19.0	95.0					5.05
Cont	19	20	20	20	19	19.6	98.0					NM
Ref	17	15	19	17	20	17.6	88.0					63.33
Ref	16	11	18	18	16	15.8	79.0					83.54
Ref	17	19	20	16	19	18.2	91.0					65.54
Ref	18	20	16	18	16	17.6	88.0					NM
245	17	18	15	19	17	17.2	86.0	87.8	97.7			4.03
246	14	18	18	16	16	16.4	82.0	83.7	93.2	**		4.03
247	11	18	14	15	16	14.8	74.0	82.2	93.7			5.05
248	14	16	16	15	17	15.6	78.0	86.7	98.7			5.05
249	16	14	11	13	13	13.4	67.0	72.0	76.1	***	***	6.31
250	17	18	19	17	14	17.0	85.0	91.4	96.6			4.03
251	17	18	15	14	13	15.4	77.0	85.6	97.5			5.05
252	15	13	17	15	19	15.8	79.0	84.9	89.8			5.05
253	15	18	14	17	12	15.2	76.0	81.7	86.4	**		6.31
254	17	14	15	13	15	14.8	74.0	79.6	84.1	**		5.05
255	16	17	18	18	19	17.6	88.0	94.6	100.0			4.03
256	17	13	18	20	16	16.8	84.0	90.3	95.5			5.05
257	15	20	17	16	16	16.8	84.0	90.3	95.5			5.05
258	16	20	12	14	17	15.8	79.0	84.9	89.8			5.05
259	16	18	18	15	18	17.0	85.0	91.4	96.6			5.05
260	18	11	15	14	19	15.4	77.0	82.8	87.5			5.05
261	12	16	15	14	13	14.0	70.0	77.8	88.6	**		179.49
262	14	17	13	17	14	15.0	75.0	83.3	94.9			7.88
263	18	18	19	19	18	18.4	92.0	96.8	101.1			6.31
264	17	18	20	18	18	18.2	91.0	95.8	100.0			5.05
265	16	16	13	12	17	14.8	74.0	77.9	81.3	**	**	7.88
266	17	17	19	19	19	18.2	91.0	95.8	100.0			6.31

Table 6.10.1. (continued).

Sample ID	Rep Number (Alive Amphipods)					Mean Number Alive	Mean % Survival	% of Cont.	% of Ref.	Significantly different		Day 10 NH ₃
	1	2	3	4	5					Cont.	Ref.	
267	12	16	18	20	18	16.8	84.0	88.4	92.3			6.31
268	18	19	18	17	17	17.8	89.0	95.7	101.1			5.05
269	15	17	17	18	17	16.8	84.0	90.3	95.5			6.31
270	17	19	16	17	15	16.8	84.0	90.3	95.5			5.05
271	16	15	15	12	14	14.4	72.0	77.4	81.8	***		5.05
272	18	16	16	14	17	16.2	81.0	87.1	92.0			6.31
273	16	13	15	14	20	15.6	78.0	82.1	85.7	**		6.31
274	18	20	15	18	20	18.2	91.0	95.8	100.0			11.58
275	18	17	18	17	18	17.6	88.0	92.6	96.7			9.82
276	15	18	18	15	17	16.6	83.0	89.2	94.3			7.88
277	16	15	15	16	13	15.0	75.0	83.3	94.9			29.32
278	19	15	12	19	9	14.8	74.0	82.2	93.7			12.21
279	15	10	16	12	10	12.6	63.0	70.0	79.7	***		109.19
280	13	11	15	15	12	13.2	66.0	73.3	83.5	***		24.55
281	17	16	14	20	16	16.6	83.0	87.4	91.2			29.73
282	16	17	14	16	16	15.8	79.0	87.8	100.0			22.62
283	14	16	14	17	18	15.8	79.0	83.2	86.8	***		9.50
284	13	14	16	10	16	13.8	69.0	72.6	75.8	***	***	16.20
285	19	13	17	20	16	17.0	85.0	86.7	96.6	*		7.88
286	19	16	18	17	14	16.8	84.0	85.7	95.5	*		6.31
287	15	14	15	16	14	14.8	74.0	75.5	84.1	***	**	5.05
288	15	12	16	14	10	13.4	67.0	74.4	84.8	***		13.52
289	17	17	18	17	10	15.8	79.0	87.8	100.0			47.97
290	12	14	15	8	14	12.6	63.0	70.0	79.7	***		41.38
291	18	13	14	12	18	15.0	75.0	78.9	82.4	***		79.21
292	13	14	17	14	18	15.2	76.0	80.0	83.5	**		27.14
293	16	14	17	17	16	16.0	80.0	84.2	87.9			29.22
294	17	18	12	14	13	14.8	74.0	77.9	81.3	**	**	38.15

* Indicates significant difference at $p \leq 0.05$ but does not meet MSD requirement

** Indicates significant difference at $p \leq 0.05$ and $<$ MSD

*** Indicates significantly different at $p \leq 0.01$ and $<$ MSD

Table 6.10.2. Spearman rank correlation coefficients between concentrations of chemicals in the sediment and amphipod survival, or chemicals and % silt/clay. Shaded = significant correlations at $p \leq 0.05$ and ≤ 0.01 , respectively, with Bonferroni adjustment for multiple comparisons. Negative values indicate an inverse correlation.

Chemical	Toxicity r^2	p	Silt/Clay r^2	p
hexachlorobenzene	0.073	0.6160	-0.198	0.1670
gamma-BHC	0.114	0.4300	-0.153	0.2870
alpha-chlordane	0.114	0.4320	0.164	0.2540
2,4'-DDE	-0.059	0.6850	0.057	0.6950
t-nonachlor	0.116	0.4210	0.046	0.7530
4,4'-DDE	0.052	0.7220	-0.021	0.8840
2,4'-DDD	-0.050	0.7310	0.013	0.9300
4,4'-DDD	-0.017	0.9090	-0.117	0.4200
2,4'-DDT	-0.010	0.9480	-0.115	0.4270
4,4'-DDT	-0.247	0.0840	-0.029	0.8410
Total DDT	-0.157	0.2770	-0.133	0.3580
mirex	0.015	0.9180	0.084	0.5610
Total PCB	0.101	0.4850	0.210	0.1430
naphthalene	-0.078	0.5910	-0.092	0.5270
1-methylnaphthalene	-0.026	-0.8590	0.107	0.4610
2-methylnaphthalene	-0.122	0.4000	-0.039	0.7880
acenaphthylene	-0.223	0.1190	-0.084	0.5610
phenanthrene	0.297	0.0360	0.333	0.0180
anthracene	0.208	0.1480	0.261	0.0670
fluoranthene	0.349	0.0130	0.646	0.0140
pyrene	0.331	0.0190	0.418	0.0025
benzo(a)anthracene	0.101	0.4850	0.260	0.0680
chrysene	0.188	0.1920	0.248	0.0830
benzo(b)fluoranthene	0.292	0.0400	0.351	0.0120
benzo(k)fluoranthene	0.321	0.0230	0.340	0.0160
benzo(a)pyrene	0.356	0.0110	0.224	0.1180
benzo(g,h,i)perylene	0.034	0.8150	0.067	0.6420
dibenz(a,h)anthracene	-0.012	0.9310	0.048	0.7430
indeno(1,2,3-cd)pyrene	0.098	0.4980	0.241	0.0920
toxaphene	-0.225	0.1160	-0.228	0.1110
AI	0.456	0.0009	0.927	<0.0001

Table 6.10.2. (continued).

Chemical	Toxicity r^2	p	Silt/Clay r^2	p
As	0.250	0.0810	0.763	<0.0001
Cd	0.313	0.0270	0.295	0.0370
Cr	0.453	0.0010	0.950	<0.0001
Cu	0.388	0.0054	0.879	<0.0001
Pb	0.392	0.0049	0.868	<0.0001
Ni	0.399	0.0041	0.910	<0.0001
Ag	0.248	0.0830	0.337	0.0170
Zn	0.444	0.0012	0.894	<0.0001
Se	-0.068	0.6380	0.199	0.1660
Hg	0.406	0.0034	0.776	<0.0001
Fe	0.432	0.0017	0.939	<0.0001
Mn	0.448	0.0010	0.906	<0.0001
Sb	0.280	0.0490	0.738	<0.0001
Sn	0.546	<0.0001	0.810	<0.0001
% TOC	0.106	0.4630	0.486	0.0003
% Clay	0.407	0.0034		
% Silt	0.346	0.0140		
% Sand	-0.349	0.0130		
% Gravel	-0.348	0.0130		
% Silt/Clay	0.399	0.0040		

6.11 Trace Metals in Tissue – Individual Concentrations (mg/kg or ppm Wet Weight)

Table 6.11.1. Trace metal concentrations (mg/kg or ppm wet weight) in tissue (whole body) for 41 RCAP 2002 sampling sites. Missing sites (9) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1. Shaded value exceeded applicable TCEQ/TDH Tidal Water screening levels for: As = 3.00 (inorganic arsenic estimated as 20% of total arsenic. Values presented in table represent total arsenic), Cd = 0.50, Cr = 100.00, Cu = 40.00, Hg = 0.70, Pb = 8.33, and Se = 2.0. No value (-) indicates concentration below the reporting limit indicated in parentheses below the chemical symbol. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	Ag (0.02)	Al (10.0)	As (2.0)	Cd (0.07)	Cr (0.1)	Cu (1.0)	Fe (25.0)	Hg (0.01)	Ni (0.2)	Pb (0.1)	Se (1.0)	Sn (0.05)	Zn (20.0)
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	66.60	-	-	1.20	1.06	43.30	0.03	0.40	-	-	-	23.50
		246	18217	-	78.30	-	-	1.70	-	47.80	0.02	0.62	-	-	0.06	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	132.00	-	-	0.90	-	51.80	0.01	0.27	-	-	-	-
		253	18224	-	58.60	-	-	0.30	-	44.60	0.01	-	-	-	-	-
		254	18225	-	126.00	-	-	0.80	-	56.40	0.02	0.83	-	-	-	-
		256	18227	-	42.80	-	-	1.90	-	26.10	0.02	0.87	-	-	-	-
2471	Aransas Bay	257	18228	-	79.50	-	-	1.20	-	44.20	0.03	0.43	-	-	-	-
		259	18230	-	120.00	-	-	0.50	-	51.80	0.01	-	-	-	-	-
		260	18231	-	18.00	-	-	1.00	-	11.00	0.04	0.35	-	-	0.05	-
		261	18232	-	106.00	-	-	1.70	-	56.70	0.02	0.62	0.11	-	-	-
		262	18233	-	75.60	2.62	-	2.40	-	57.40	0.02	0.66	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	252	18223	-	55.50	-	-	1.10	-	27.60	0.02	0.37	-	-	-	-
		255	18226	-	148.00	-	-	1.00	-	60.00	0.01	0.57	-	-	-	-
		258	18229	-	81.80	-	-	2.00	-	42.60	0.02	0.78	-	-	-	-
2473	St. Charles Bay	247	18218	-	107.00	-	-	0.40	-	49.00	0.01	0.81	-	-	-	-
		248	18219	-	124.00	-	-	1.40	-	60.30	0.01	0.49	-	-	-	-
		251	18222	-	163.00	-	-	0.30	-	83.10	0.01	-	0.23	-	-	-
2481	Corpus Christi Bay	266	18237	-	56.60	-	-	0.40	-	35.40	0.05	-	-	-	-	-
		268	18239	-	75.10	-	-	0.80	-	47.60	0.05	0.23	-	-	-	-
		269	18240	-	56.90	-	-	1.50	1.32	36.90	0.04	0.43	0.14	-	-	-
		270	18241	-	53.90	-	-	0.50	-	25.30	0.04	-	-	-	-	-
		271	18242	-	45.50	-	-	0.50	-	27.60	0.03	-	-	-	-	-
		272	18243	-	54.20	-	-	1.30	-	33.20	0.05	0.83	-	-	-	-
		273	18244	-	96.80	-	-	3.00	-	71.50	0.04	0.99	-	-	-	-
		274	18245	-	172.00	-	-	1.10	-	89.60	0.02	0.47	0.23	-	-	-
275	18246	-	53.30	2.12	-	1.10	-	36.50	0.02	0.35	-	-	-	-		
276	18247	-	83.70	-	-	1.10	-	55.60	0.02	0.39	0.24	-	-	-		

Table 6.11.1. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	Ag (0.02)	Al (10.0)	As (2.0)	Cd (0.07)	Cr (0.1)	Cu (1.0)	Fe (25.0)	Hg (0.01)	Ni (0.2)	Pb (0.1)	Se (1.0)	Sn (0.05)	Zn (20.0)
2482	Nueces Bay	263	18234	-	65.80	-	-	2.30	-	43.60	0.09	0.78	0.10	-	-	-
		264	18235	-	93.50	-	-	2.40	-	65.00	0.08	0.73	0.10	-	-	-
		267	18238	-	24.80	-	-	7.00	-	47.40	0.06	2.26	-	-	-	-
2483	Redfish Bay	265	18236	-	164.00	-	-	0.50	-	94.20	0.02	-	0.20	-	-	-
2491	Laguna Madre	281	18252	-	58.40	-	-	11.70	1.02	90.30	0.02	4.31	-	-	-	-
		282	18253	-	24.40	-	-	17.70	1.62	84.00	0.03	6.76	0.13	-	-	-
		283	18254	0.03	117.00	-	-	2.50	1.20	70.80	0.03	0.90	0.19	-	-	-
		290	18261	-	69.70	4.34	-	0.30	1.24	39.00	0.03	-	0.11	-	-	-
		292	18263	-	46.50	-	-	1.90	1.02	37.00	0.05	0.60	0.14	-	-	-
		293	18264	-	104.00	3.89	-		1.22	57.50	0.04	-	0.43	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	-	50.30	4.28	-	1.00	-	31.00	0.04	0.31	-	-	-	21.00
		286	18257	-	83.00	-	-	2.10	1.20	53.40	0.04	0.70	0.16	-	-	-
		287	18258	0.04	38.40	5.36	-	20.30	1.57	115.00	0.09	7.13	0.19	-	-	128.00
		289	18260	-	129.00	-	-	0.60	-	51.30	0.02	-	-	-	-	-

6.12 Tissue Organics – Individual Concentrations (ng/g or ppb Wet Weight)

Table 6.12.1. Tissue concentrations (ng/g or ppb wet weight) of 11 of 20 PCB congeners (PCB’s 18, 28, 66, 77, 126, 128, 180, 206, and 209 values were < reporting limit) at 41 RCAP 2002 sampling sites. Missing sites (9) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1. **Shaded value exceeded TCEQ screening level.** No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	8	44	52	101	105	118	138	153	170	187	195	Total PCB
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-	-	-	-	-	-
		246	18217	-	-	-	-	-	-	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	-	-	-	-	-	-	-	-	-	-	-
		253	18224	-	1.31	-	-	-	3.00	-	1.61	-	6.96	-	12.88
		254	18225	-	-	-	-	-	-	-	-	-	-	-	-
2471	Aransas Bay	256	18227	-	-	-	-	-	-	-	-	-	-	-	-
		257	18228	-	-	-	-	-	-	-	-	-	-	-	-
		259	18230	-	-	-	-	-	-	-	-	-	-	-	-
		260	18231	-	-	-	-	-	-	-	-	-	-	-	-
		261	18232	-	-	-	-	-	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	262	18233	-	-	-	-	-	-	-	-	-	-	-	-
		252	18223	-	-	-	-	-	-	-	-	-	-	-	-
		255	18226	-	-	3.12	0.97	-	-	-	-	-	-	-	4.09
		258	18229	-	-	-	-	-	-	-	-	-	-	-	-
2473	St. Charles Bay	247	18218	-	-	-	-	-	-	-	-	-	-	-	-
		248	18219	0.23	-	-	-	-	-	-	-	-	-	-	0.23
		251	18222	-	-	-	-	-	-	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	-	-	-	-	-	-	-	-	-	-	-	-
		268	18239	-	-	-	-	-	-	-	-	-	-	-	-
		269	18240	-	-	-	-	-	-	-	-	-	-	-	-
		270	18241	-	-	-	-	-	-	-	-	-	-	-	-
		271	18242	-	-	-	-	-	-	-	-	-	-	-	-
		272	18243	-	-	-	-	-	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-	-	-	-	-	-
		274	18245	-	-	-	-	-	-	-	-	-	-	-	-
2482	Nueces Bay	275	18246	-	-	-	-	0.38	-	-	3.32	-	-	-	3.70
		276	18247	-	-	-	-	-	-	-	-	-	-	-	-
		263	18234	-	-	-	-	-	-	-	-	-	-	-	-
		264	18235	-	-	-	-	-	-	-	-	-	-	-	-
		267	18238	-	-	-	-	-	-	10.08	8.62	-	-	-	18.70

Table 6.12.2. Tissue concentrations of DDD, DDE, and DDT (ng/g or ppb wet weight) at 41 RCAP 2002 sampling sites. Missing sites (9) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1. **Shaded value exceeded TCEQ screening level.** No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	2,4'-DDD	4,4'-DDD	2,4'-DDE	4,4'-DDE	2,4'-DDT	4,4'-DDT	Total DDT
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-
		246	18217	-	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	-	-	-	-	-	-
		253	18224	-	1.60	-	-	0.36	-	1.96
		254	18225	-	-	-	8.72	-	-	8.72
2471	Aransas Bay	256	18227	-	-	-	-	-	-	-
		257	18228	-	-	-	-	-	-	-
		259	18230	-	-	-	-	-	-	-
		260	18231	-	-	-	-	-	-	-
		261	18232	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	262	18233	-	-	-	-	-	-	-
		252	18223	-	-	-	-	-	-	-
		255	18226	-	-	-	-	-	-	-
2473	St. Charles Bay	258	18229	-	-	-	-	-	-	-
		247	18218	-	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-	-
2481	Corpus Christi Bay	251	18222	-	-	-	-	-	-	-
		266	18237	-	-	-	-	-	-	-
		268	18239	-	-	-	-	-	-	-
		269	18240	-	-	-	-	-	-	-
		270	18241	-	-	-	-	-	-	-
		271	18242	-	-	-	-	-	-	-
		272	18243	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-
2482	Nueces Bay	274	18245	-	-	-	-	-	-	-
		275	18246	-	-	-	-	-	-	-
		276	18247	-	-	-	-	-	-	-
		263	18234	-	-	-	-	-	-	-
		264	18235	-	-	-	-	-	-	-
		267	18238	-	-	-	-	-	-	

Table 6.12.2. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	2,4'-DDD	4,4'-DDD	2,4'-DDE	4,4'-DDE	2,4'-DDT	4,4'-DDT	Total DDT
2483	Redfish Bay	265	18236	-	-	-	-	-	-	-
2491	Laguna Madre	281	18252	-	-	-	-	-	-	-
		282	18253	-	-	-	-	-	-	-
		283	18254	-	-	-	-	-	-	-
		290	18261	-	-	-	-	-	-	-
		292	18263	-	-	-	-	-	10.15	10.15
		293	18264	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	-	-	-	-	-	-	-
		286	18257	-	-	-	-	-	-	-
		287	18258	-	-	-	-	-	-	-
		289	18260	-	-	-	-	-	-	-

Table 6.12.3. Tissue concentrations of Chlorinated Pesticides (ng/g or ppb wet weight) other than DDT at 41 RCAP 2002 sampling sites. Missing sites (9) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1. **Shaded value exceeded screening level.** No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	aldrin	alpha-chlordane	endosulfan I	endosulfan II	endosulfan sulfate	endrin	dieldrin
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-
		246	18217	-	12.30	-	-	-	-	-
		249	18220	-	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	253	18224	-	-	-	-	-	-	-
		254	18225	-	-	-	-	-	-	-
		256	18227	-	-	-	-	-	-	-
		257	18228	-	1.59	-	-	-	-	-
2471	Aransas Bay	259	18230	-	-	-	-	-	-	-
		260	18231	-	-	-	-	-	-	-
		261	18232	-	-	-	-	-	-	-
		262	18233	-	-	-	-	-	-	-
		252	18223	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	255	18226	-	1.04	-	-	-	-	-
		258	18229	-	-	-	-	-	-	-
		247	18218	-	-	-	-	-	-	-
2473	St. Charles Bay	248	18219	-	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-	-
		266	18237	-	-	-	-	-	-	-
2481	Corpus Christi Bay	268	18239	-	-	-	-	-	-	-
		269	18240	-	-	-	-	-	-	-
		270	18241	-	-	-	-	-	-	-
		271	18242	-	-	-	-	-	-	-
		272	18243	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-
		274	18245	-	-	-	-	-	-	-
		275	18246	-	-	-	-	-	-	-
2482	Nueces Bay	263	18234	-	-	-	-	-	-	-
		264	18235	-	-	-	-	-	-	-
		267	18238	-	-	-	-	-	-	-
		265	18236	-	-	-	-	-	-	-
2483	Redfish Bay	265	18236	-	-	-	-	-	-	

Table 6.12.3. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	aldrin	alpha-chlordane	endosulfan I	endosulfan II	endosulfan sulfate	endrin	dieldrin
2491	Laguna Madre	281	18252	-	-	-	-	-	-	-
		282	18253	-	-	-	-	-	-	-
		283	18254	-	-	-	-	-	-	-
		290	18261	-	-	-	-	-	-	-
		292	18263	-	-	-	-	-	-	-
		293	18264	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	285	18256	-	-	-	-	-	-	-
		286	18257	-	-	-	-	-	-	-
		287	18258	-	-	-	-	-	-	-
		289	18260	-	-	-	-	-	-	-

Table 6.12.3. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	heptachlor	heptachlor epoxide	hexachlorobenzene	lindane	mirex	t-nonachlor	toxaphene	Total Chlorinated Pesticides
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	245	18216	-	-	-	-	-	-	-	-
		246	18217	-	-	-	-	-	14.85	250.42	277.57
2463	Mesquite Bay/Carlos Bay/Ayres Bay	249	18220	-	-	-	-	-	-	-	-
		253	18224	-	-	-	-	-	-	-	-
		254	18225	-	-	-	-	-	-	-	-
		256	18227	-	-	-	-	-	-	-	-
2471	Aransas Bay	257	18228	-	-	-	-	-	1.02	-	2.61
		259	18230	-	-	-	-	-	-	-	-
		260	18231	-	-	-	-	-	-	-	-
		261	18232	-	-	-	-	-	-	-	-
		262	18233	-	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	252	18223	-	-	-	-	-	-	-	-
		255	18226	-	-	-	-	-	0.90	-	1.94
		258	18229	-	-	-	-	-	-	-	-
2473	St. Charles Bay	247	18218	-	-	-	-	-	-	-	-
		248	18219	-	-	-	-	-	-	-	-
		251	18222	-	-	-	-	-	-	-	-
2481	Corpus Christi Bay	266	18237	-	-	-	-	-	-	-	-
		268	18239	-	-	-	-	-	-	-	-
		269	18240	-	-	-	-	-	-	-	-
		270	18241	-	-	-	-	-	-	-	-
		271	18242	-	-	-	-	-	-	-	-
		272	18243	-	-	-	-	-	-	-	-
		273	18244	-	-	-	-	-	-	-	-
		274	18245	-	-	-	-	-	0.94	-	0.94
2482	Nueces Bay	275	18246	-	-	-	-	-	-	-	-
		276	18247	-	-	-	-	-	-	-	-
		263	18234	-	-	-	-	-	-	-	-
		264	18235	-	-	-	-	-	-	-	-
2483	Redfish Bay	267	18238	-	-	-	-	-	-	-	-
		265	18236	-	-	-	-	-	-	-	-

Table 6.12.4. Tissue concentrations of 23 PAH's (ng/g or ppb wet weight) at 41 RCAP 2002 sampling sites. Missing sites (9) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1. **Shaded value exceeded TCEQ screening level.** No value (-) indicates concentration below reporting limit. **Bold** = highest recorded concentration.

No detectable concentrations as all values fell below Reporting Limits