

6.0 DATA TABLES

6.1 Sampling Site Information

Table 6.1.1. RCAP 2003 sampling site (32) information, sample type, and sampling date. **Sample Types:** FD = Field Data, RC = Routine Conventional Water Chemistry, M = Microbiological, TM = Trace Metals-Water, 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 Bays	295	18266	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/23/2003	28.40833	96.82500	1.10
2463	Mesquite/Carlos/Ayres Bays	326	18296	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/05/2003	28.13934	96.83861	1.42
2471	Aransas Bay	298	18268	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/11/2003	28.07500	96.99167	1.50
2471		299	18269	FD, RC, M. TMSSED, SEDORG, SEDTOX, BEN	08/05/2003	28.06707	96.93630	0.90
2471		300	18270	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/19/2003	28.02500	97.00833	3.60
2471		301	18271	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/19/2003	27.99167	97.04167	3.60
2471		302	18272	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/19/2003	27.99167	96.99167	3.60
2471		303	18273	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/19/2003	27.92500	97.07500	1.50
2471		305	18275	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/19/2003	27.86690	97.05267	1.25
2472	Copano/Port/Mission Bays	296	18226	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/11/2003	28.12500	97.14167	2.16
2472		297	18267	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/11/2003	28.12500	97.05833	2.50
2481	Corpus Christi Bay	307	18277	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/23/2003	27.84167	97.34167	3.50
2481		309	18279	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2003	27.79167	97.24167	4.30
2481		310	18280	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2003	27.79167	97.19167	2.80
2481		311	18281	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2003	27.75833	97.32500	4.50
2481		312	18282	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/06/2003	27.75833	97.25833	4.55
2481		314	18284	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/24/2003	27.67500	97.25833	2.30
2482	Nueces Bay	306	18276	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/23/2003	27.84167	97.45833	1.44
2482		308	18278	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/23/2003	27.83541	97.40306	0.70
2483	Redfish Bay	304	18274	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, BEN	08/19/2003	27.90501	97.10814	0.97
2485	Oso Bay	313	18283	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, BEN	08/06/2003	27.70720	97.30958	0.90
2491	Laguna Madre	315	18285	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/24/2003	27.57500	97.25833	0.85
2491		316	18286	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/24/2003	27.53446	97.33412	0.80
2491		317	18287	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/24/2003	27.45833	97.34167	1.75
2491		323	18293	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/18/2003	27.20828	97.40591	2.10
2491		324	18294	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, BEN	08/20/2003	27.19342	97.41742	2.65
2491		325	18295	FD, RC, M. TMSSED, SEDORG, SEDTOX, BEN	08/20/2003	27.10190	97.43572	0.97
2492	Baffin Bay/Alazan Bay	318	18288	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2003	27.32500	97.54167	1.45
2492	Cayo del Grullo/Laguna Salada	319	18289	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2003	27.30833	97.65833	1.32
2492		320	18290	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/18/2003	27.29167	97.45833	2.91
2492		321	18291	FD, RC, M. TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2003	27.25833	97.55833	2.25
2492		322	18292	FD, RC, M. TM, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2003	27.25035	97.54390	2.05

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 2003 sampling sites. Shaded = value below TCEQ 24-Hour DO average criteria. Value is not applicable to grab 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. ND = No Data collected.

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	295	18266	ND	7.56	ND	8.54	0.49	ND	1.10	ND	29.69
2463	Mesquite/Carlos/Ayres Bay	326	18296	27962	6.13	88.40	8.15	17.11	0.30	1.42	29.20	29.52
2471	Aransas Bay	298	18268	41513	6.09	93.50	8.23	26.51	0.85	1.50	6.00	30.25
2471		299	18269	35347	4.96	72.80	8.03	22.17	> 0.90	0.90	3.70	28.89
2471		300	18270	49143	5.85	92.10	8.21	31.97	0.90	3.60	6.40	29.92
2471		301	18271	52793	6.09	97.22	8.19	34.66	1.10	3.60	4.10	29.73
2471		302	18272	49906	6.15	96.30	8.24	32.55	1.10	3.60	4.00	29.36
2471		303	18273	59549	6.44	105.30	7.89	39.74	1.20	1.50	2.70	29.62
2471		305	18275	59886	7.52	124.90	8.00	39.94	0.90	1.25	7.40	30.37
2472	Copano/Port/Mission Bay	296	18226	14905	7.84	111.10	8.19	8.59	0.50	2.16	10.60	31.00
2472		297	18267	19301	7.05	99.20	8.16	11.40	0.95	2.50	4.50	29.91
2481	Corpus Christi Bay	307	18277	45795	6.32	98.20	8.06	29.54	0.40	3.50	16.50	29.85
2481		309	18279	51154	6.84	108.10	8.04	33.44	0.85	4.30	5.00	29.43
2481		310	18280	49727	6.32	99.90	8.12	32.39	0.65	2.80	10.40	29.52
2481		311	18281	49544	7.71	122.10	7.99	32.25	0.80	4.50	4.60	30.19
2481		312	18282	50007	7.43	117.40	7.98	32.60	0.95	4.55	4.70	29.95
2481		314	18284	52863	6.33	101.20	8.20	34.72	0.75	2.30	8.30	29.52
2482	Nueces Bay	306	18276	15828	7.65	105.50	8.08	9.19	0.65	1.44	8.00	29.40
2482		308	18278	41492	6.74	101.80	8.06	26.48	0.50	0.70	11.80	29.25
2483	Redfish Bay	304	18274	56801	8.89	148.10	8.22	37.60	0.90	0.97	6.80	31.16
2485	Oso Bay	313	18283	54733	8.53	141.40	8.25	36.02	0.25	0.90	22.40	31.77
2491	Laguna Madre	315	18285	52764	5.03	78.60	8.23	34.69	> 0.85	0.85	1.60	28.44
2491		316	18286	52325	3.51	54.90	7.89	34.39	> 0.80	0.80	0.90	28.61
2491		317	18287	54003	5.22	82.50	8.14	35.59	0.98	1.75	3.40	28.86
2491		323	18293	64353	6.18	103.10	8.25	43.39	0.95	2.10	2.70	29.55
2491		324	18294	59425	6.10	101.20	8.16	39.62	1.00	2.65	2.70	30.54
2491		325	18295	58075	5.69	93.40	8.31	38.59	0.70	0.97	7.40	30.04
2492	Baffin Bay/Alazan Bay	318	18288	54405	6.01	95.50	7.75	35.89	0.15	1.45	112.80	28.86
2492	Cayo del Grullo/Laguna Salada	319	18289	53194	6.66	106.70	7.92	34.97	0.20	1.32	59.50	29.41
2492		320	18290	65836	5.90	99.00	8.26	44.54	0.60	2.91	7.00	29.50
2492		321	18291	52307	4.84	76.30	7.89	34.33	0.25	2.25	58.50	28.91
2492		322	18292	51904	4.73	74.50	7.88	34.03	0.45	2.05	31.60	28.93

Table 6.2.2. Near-bottom Field Parameter concentrations recorded 0.50 m off-bottom at RCAP 2003 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. 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 the criterion is 4.0 mg/L. ND = No Data collected.

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	295	18266	ND	7.56	ND	8.54	0.49	1.10	ND	29.69
2463	Mesquite/Carlos/Ayres Bay	326	18296	27962	6.09	87.70	8.15	17.12	1.42	29.40	29.52
2471	Aransas Bay	298	18268	41659	5.93	91.40	8.23	26.57	1.50	7.50	30.31
2471		299	18269	35347	4.96	72.80	8.03	22.17	0.90	3.70	28.89
2471		300	18270	49171	5.81	91.50	8.22	31.99	3.60	6.40	29.92
2471		301	18271	53616	5.68	90.80	8.17	35.27	3.60	6.30	29.71
2471		302	18272	52355	5.73	90.50	8.24	34.36	3.60	13.10	29.29
2471		303	18273	59653	6.38	104.40	7.89	39.80	1.50	2.60	29.59
2471		305	18275	59878	7.42	123.20	7.99	39.95	1.25	8.30	30.29
2472	Copano/Port/Mission Bay	296	18226	14879	7.46	104.10	8.16	8.58	2.16	13.00	30.28
2472		297	18267	25908	5.67	82.90	8.07	15.71	2.50	18.90	30.74
2481	Corpus Christi Bay	307	18277	47767	5.84	91.50	8.06	30.97	3.50	32.70	29.91
2481		309	18279	51519	6.22	98.10	8.00	33.73	4.30	10.20	29.45
2481		310	18280	49666	6.19	92.70	8.12	32.36	2.80	11.10	29.77
2481		311	18281	49946	5.83	92.50	7.94	32.57	4.50	10.70	29.66
2481		312	18282	49986	6.41	101.50	7.93	32.57	4.55	15.80	29.74
2481		314	18284	52811	4.27	68.00	8.07	34.71	2.30	10.00	29.08
2482	Nueces Bay	306	18276	16472	7.39	102.10	8.07	9.59	1.44	8.50	29.39
2482		308	18278	41492	6.74	101.80	8.06	26.48	0.70	11.80	29.25
2483	Redfish Bay	304	18274	56801	8.89	148.10	8.22	37.60	0.97	6.80	31.16
2485	Oso Bay	313	18283	54733	8.53	141.40	8.25	36.02	0.90	22.40	31.77
2491	Laguna Madre	315	18285	52764	5.03	78.60	8.23	34.69	0.85	1.60	28.44
2491		316	18286	52325	3.51	54.90	7.89	34.39	0.80	0.90	28.61
2491		317	18287	54010	5.11	80.70	8.16	35.59	1.75	4.00	28.86
2491		323	18293	66130	5.97	99.90	8.20	44.79	2.10	3.50	29.34
2491		324	18294	66002	6.00	101.70	8.12	44.64	2.65	3.30	30.22
2491		325	18295	58075	5.69	93.40	8.31	38.59	0.97	7.40	30.04
2492	Baffin Bay/Alazan Bay	318	18288	54395	5.80	92.10	7.73	35.88	1.45	121.30	28.85
2492	Cayo del Grullo/Laguna Salada	319	18289	53196	6.41	101.90	7.90	37.97	1.32	61.00	29.42
2492		320	18290	65863	5.78	97.00	8.27	44.56	2.91	6.90	29.49
2492		321	18291	52306	4.63	72.80	7.88	34.33	2.25	73.60	28.92
2492		322	18292	51914	4.63	72.60	7.88	34.04	2.05	33.70	28.94

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 2003 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration. ND = No Data collected.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Conductivity (µmhos)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	ND	ND	ND	
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	27962	
	2471	Aransas Bay	7	35347	59886	49734	
	2472	Copano Bay/Port Bay/Mission Bay	2	14905	19301	17103	
	Near-Surface (0.50 m below)	2481	Corpus Christi Bay	6	45795	52863	49848
	2482	Nueces Bay	2	15828	41492	28660	
	2483	Redfish Bay	1	-	-	56801	
	2485	Oso Bay	1	-	-	54733	
	2491	Laguna Madre	6	52325	64353	56824	
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	51904	65836	55529	
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Conductivity (µmhos)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	ND	ND	ND	
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	27976	
	2471	Aransas Bay	7	35347	59878	50240	
	2472	Copano Bay/Port Bay/Mission Bay	2	14879	25908	20394	
	Near-Bottom (0.50 above)	2481	Corpus Christi Bay	6	47767	52811	50283
	2482	Nueces Bay	2	16472	41492	28982	
	2483	Redfish Bay	1	-	-	56801	
	2485	Oso Bay	1	-	-	54733	
	2491	Laguna Madre	6	52325	66130	58218	
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	51914	65863	55535	

Table 6.3.2. Salinity (PSU) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2003 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	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.49
(PSU)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	17.11
	2471	Aransas Bay	7	22.17	39.94	32.51
	2472	Copano Bay/Port Bay/Mission Bay	2	8.59	11.40	10.00
Near-Surface	2481	Corpus Christi Bay	6	29.54	34.72	32.49
(0.50 m below)	2482	Nueces Bay	2	9.19	26.48	17.84
	2483	Redfish Bay	1	-	-	37.60
	2485	Oso Bay	1	-	-	36.02
	2491	Laguna Madre	6	34.39	43.39	37.71
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	34.03	44.54	36.75
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Salinity	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.49
(PSU)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	17.12
	2471	Aransas Bay	7	22.17	39.95	32.87
	2472	Copano Bay/Port Bay/Mission Bay	2	8.58	15.71	12.15
Near-Bottom	2481	Corpus Christi Bay	6	30.97	34.71	32.82
(0.50 above)	2482	Nueces Bay	2	9.59	26.48	18.04
	2483	Redfish Bay	1	-	-	37.60
	2485	Oso Bay	1	-	-	36.02
	2491	Laguna Madre	6	34.39	44.79	38.78
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	34.04	44.56	37.36

Table 6.3.3. Dissolved Oxygen (mg/L) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2003 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. 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 the criterion is 4.0 mg/L. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen (mg/L)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	7.56
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	6.13
	2471	Aransas Bay	7	4.96	7.52	6.16
	2472	Copano Bay/Port Bay/Mission Bay	2	7.05	7.84	7.45
Near-Surface	2481	Corpus Christi Bay	6	6.32	7.71	6.83
(0.50 m below)	2482	Nueces Bay	2	6.74	7.65	7.20
	2483	Redfish Bay	1	-	-	8.89
	2485	Oso Bay	1	-	-	8.53
	2491	Laguna Madre	6	3.51	6.18	5.29
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4.73	6.66	5.63
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen (mg/L)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	7.56
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	6.09
	2471	Aransas Bay	7	4.96	7.42	5.99
	2472	Copano Bay/Port Bay/Mission Bay	2	5.67	7.46	6.57
Near-Bottom	2481	Corpus Christi Bay	6	4.27	6.41	5.79
(0.50 above)	2482	Nueces Bay	2	6.74	7.39	7.07
	2483	Redfish Bay	1	-	-	8.89
	2485	Oso Bay	1	-	-	8.53
	2491	Laguna Madre	6	3.51	6.00	5.22
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4.63	6.41	5.45

Table 6.3.4. Dissolved Oxygen (% saturation) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration. ND = No Data Collected.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	ND	ND	ND
(% Saturation)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	88.40
	2471	Aransas Bay	7	72.80	124.90	97.45
	2472	Copano Bay/Port Bay/Mission Bay	2	99.20	111.10	105.15
Near-Surface	2481	Corpus Christi Bay	6	98.20	122.10	107.82
(0.50 m below)	2482	Nueces Bay	2	101.80	105.50	103.65
	2483	Redfish Bay	1	-	-	148.10
	2485	Oso Bay	1	-	-	141.40
	2491	Laguna Madre	6	54.90	103.10	85.62
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	74.50	106.70	90.40
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	ND	ND	ND
(% Saturation)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	87.70
	2471	Aransas Bay	7	72.80	123.20	94.94
	2472	Copano Bay/Port Bay/Mission Bay	2	82.90	104.10	93.50
Near-Bottom	2481	Corpus Christi Bay	6	68.00	101.50	90.72
(0.50 above)	2482	Nueces Bay	2	101.80	102.10	101.95
	2483	Redfish Bay	1	-	-	148.10
	2485	Oso Bay	1	-	-	141.40
	2491	Laguna Madre	6	54.90	101.70	84.87
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	72.60	101.90	87.28

Table 6.3.5. pH (su) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2003 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	1	-	-	8.54
(su)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	8.15
	2471	Aransas Bay	7	7.89	8.24	8.11
	2472	Copano Bay/Port Bay/Mission Bay	2	8.16	8.19	8.18
Near-Surface	2481	Corpus Christi Bay	6	7.98	8.20	8.07
(0.50 m below)	2482	Nueces Bay	2	8.06	8.08	8.07
	2483	Redfish Bay	1	-	-	8.22
	2485	Oso Bay	1	-	-	8.25
	2491	Laguna Madre	6	7.89	8.31	8.16
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	7.75	8.26	7.94
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
pH	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	8.54
(su)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	8.15
	2471	Aransas Bay	7	7.89	8.24	8.11
	2472	Copano Bay/Port Bay/Mission Bay	2	8.07	8.16	8.12
Near-Bottom	2481	Corpus Christi Bay	6	7.93	8.12	8.02
(0.50 m above)	2482	Nueces Bay	2	8.06	8.07	8.07
	2483	Redfish Bay	1	-	-	8.22
	2485	Oso Bay	1	-	-	8.25
	2491	Laguna Madre	6	7.89	8.31	8.15
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	7.73	8.27	7.93

Table 6.3.6. Turbidity (NTU) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration. ND = No Data collected.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Turbidity	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	ND	ND	ND
(NTU)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	29.20
	2471	Aransas Bay	7	2.70	7.40	4.90
	2472	Copano Bay/Port Bay/Mission Bay	2	4.50	10.60	7.55
Near-Surface	2481	Corpus Christi Bay	6	4.60	16.50	8.25
(0.50 m below)	2482	Nueces Bay	2	8.00	11.80	9.90
	2483	Redfish Bay	1	-	-	6.80
	2485	Oso Bay	1	-	-	22.40
	2491	Laguna Madre	6	0.90	7.40	3.12
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	7.00	112.80	53.88
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Turbidity	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	ND	ND	ND
(NTU)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	29.40
	2471	Aransas Bay	7	2.60	13.10	6.84
	2472	Copano Bay/Port Bay/Mission Bay	2	13.00	18.90	15.95
Near-Bottom	2481	Corpus Christi Bay	6	10.00	32.70	15.08
(0.50 m above)	2482	Nueces Bay	2	8.50	11.80	10.15
	2483	Redfish Bay	1	-	-	6.80
	2485	Oso Bay	1	-	-	22.40
	2491	Laguna Madre	6	0.90	7.40	3.45
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	6.90	121.30	59.30

Table 6.3.7. Water Temperature (°C) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2003 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	1	-	-	29.69	
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	29.52	
	2471	Aransas Bay	7	28.89	30.37	29.73	
	2472	Copano Bay/Port Bay/Mission Bay	2	29.91	31.00	30.46	
	2481	Corpus Christi Bay	6	29.43	30.19	29.74	
	Near-Surface (0.50 m below)	2482	Nueces Bay	2	29.25	29.40	29.33
		2483	Redfish Bay	1	-	-	31.16
		2485	Oso Bay	1	-	-	31.77
		2491	Laguna Madre	6	28.44	30.54	29.34
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	28.86	29.50	29.12
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Water Temperature (°C)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	29.69	
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	29.52	
	2471	Aransas Bay	7	28.89	30.31	29.71	
	2472	Copano Bay/Port Bay/Mission Bay	2	30.28	30.74	30.51	
	2481	Corpus Christi Bay	6	29.08	29.91	29.60	
	Near-Bottom (0.50 m above)	2482	Nueces Bay	2	29.25	29.39	29.32
		2483	Redfish Bay	1	-	-	31.16
		2485	Oso Bay	1	-	-	31.77
		2491	Laguna Madre	6	28.44	30.22	29.25
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	28.85	29.49	29.12

Table 6.3.8. Secchi Depth (m) and Total Depth (m) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites. **Bold** = highest recorded mean concentration. ND = No Data Collected.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Secchi Depth	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	ND	ND	ND
(m)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.30
	2471	Aransas Bay	7	0.85	1.20	0.99
	2472	Copano Bay/Port Bay/Mission Bay	2	0.50	0.95	0.73
	2481	Corpus Christi Bay	6	0.40	0.95	0.73
	2482	Nueces Bay	2	0.50	0.65	0.58
	2483	Redfish Bay	1	-	-	0.90
	2485	Oso Bay	1	-	-	0.25
	2491	Laguna Madre	6	0.70	1.00	0.88
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.15	0.60	0.33
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Depth	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	1.10
(m)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	1.42
	2471	Aransas Bay	7	0.90	3.60	2.28
	2472	Copano Bay/Port Bay/Mission Bay	2	2.16	2.50	2.33
	2481	Corpus Christi Bay	6	2.30	4.55	3.66
	2482	Nueces Bay	2	0.70	1.44	1.07
	2483	Redfish Bay	1	-	-	0.97
	2485	Oso Bay	1	-	-	0.90
	2491	Laguna Madre	6	0.80	2.65	1.52
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	1.32	2.91	2.00

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 2003 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom 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. **Bold** = highest recorded concentration. * = indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	Ammonia SNU (SLE 0.10)	Ammonia MNU	Ammonia BNU	Ammonia SN	Ammonia MN	Ammonia BN
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	0.021	*	*	0.014	*	*
2463	Mesquite/Carlos/Ayres Bays	326	18296	0.014	*	*	<0.001	*	0.002
2471	Aransas Bay	298	18268	0.018	*	*	0.020	*	0.015
2471		299	18269	<0.001	*	*	<0.001	*	*
2471		300	18270	0.001	0.002	0.002	<0.001	<0.001	<0.001
2471		301	18271	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
2471		302	18272	0.002	<0.001	<0.001	<0.001	0.001	0.004
2471		303	18273	<0.001	*	<0.001	<0.001	*	<0.001
2471		305	18275	0.002	*	0.002	0.001	*	0.002
2472	Copano/Port/Mission Bays	296	18226	0.007	0.009	0.010	0.003	0.004	0.003
2472		297	18267	0.007	0.009	0.011	0.007	0.005	0.010
2481	Corpus Christi Bay	307	18277	0.008	0.012	0.022	0.016	0.018	0.027
2481		309	18279	0.012	<0.001	0.019	<0.001	0.018	0.016
2481		310	18280	0.007	0.009	0.003	<0.001	<0.001	<0.001
2481		311	18281	0.001	0.002	0.015	<0.001	<0.001	0.010
2481		312	18282	0.002	0.002	0.009	<0.001	<0.001	0.001
2481		314	18284	0.022	0.021	0.020	0.020	0.036	0.012
2482	Nueces Bay	306	18276	<0.001	*	0.016	<0.001	*	<0.001
2482		308	18278	<0.001	*	*	0.003	*	*
2483	Redfish Bay	304	18274	0.003	*	*	0.003	*	*
2485	Oso Bay	313	18283	0.010	*	*	0.005	*	*
2491	Laguna Madre	315	18285	<0.001	*	*	<0.001	*	*
2491		316	18286	<0.001	*	*	0.003	*	*
2491		317	18287	0.007	*	<0.001	<0.001	*	0.013
2491		323	18293	0.037	0.037	0.031	0.036	0.026	0.028
2491		324	18294	0.026	0.016	0.026	0.020	0.032	0.013
2491		325	18295	0.019	*	*	0.014	*	*
2492	Baffin Bay/Alazan Bay	318	18288	0.396	*	0.038	0.318	*	0.284
2492	Cayo del Grullo/Laguna Salada	319	18289	0.252	*	0.253	0.205	*	0.206
2492		320	18290	0.023	0.020	0.020	0.012	0.013	0.024
2492		321	18291	0.380	0.372	0.382	0.342	0.319	0.304
2492		322	18292	0.537	0.525	0.497	0.513	0.504	0.326

Table 6.4.2. Nitrate concentrations (mg/L or ppm) at RCAP 2003 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom 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 concentration. * = indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	Nitrate SNU	Nitrate MNU	Nitrate BNU	Nitrate SN	Nitrate MN	Nitrate BN
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	3.037	*	*	3.245	*	*
2463	Mesquite/Carlos/Ayres Bays	326	18296	<0.010	*	<0.010	<0.010	*	<0.001
2471	Aransas Bay	298	18268	<0.010	*	<0.010	<0.010	*	<0.001
2471		299	18269	<0.010	*	*	<0.001	*	*
2471		300	18270	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2471		301	18271	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2471		302	18272	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2471		303	18273	<0.010	*	<0.010	<0.010	*	<0.010
2471		305	18275	<0.010	*	<0.010	<0.010	*	<0.010
2472	Copano/Port/Mission Bays	296	18226	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2472		297	18267	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2481	Corpus Christi Bay	307	18277	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2481		309	18279	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2481		310	18280	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2481		311	18281	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2481		312	18282	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2481		314	18284	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2482	Nueces Bay	306	18276	<0.010	*	<0.010	<0.010	*	<0.010
2482		308	18278	<0.010	*	*	<0.001	*	*
2483	Redfish Bay	304	18274	<0.010	*	*	<0.001	*	*
2485	Oso Bay	313	18283	<0.010	*	*	<0.010	*	*
2491	Laguna Madre	315	18285	<0.010	*	*	<0.010	*	*
2491		316	18286	<0.010	*	*	<0.010	*	*
2491		317	18287	<0.010	*	<0.010	<0.010	*	<0.010
2491		323	18293	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2491		324	18294	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2491		325	18295	<0.010	*	*	<0.010	*	*
2492	Baffin Bay/Alazan Bay	318	18288	<0.010	*	<0.010	0.152	*	0.081
2492	Cayo del Grullo/Laguna Salada	319	18289	0.045	*	0.033	<0.010	*	<0.010
2492		320	18290	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2492		321	18291	0.068	0.053	0.042	<0.010	<0.010	<0.010
2492		322	18292	0.095	0.114	0.062	0.149	0.151	0.140

Table 6.4.3. Nitrite concentrations (mg/L or ppm) at RCAP 2003 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom 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 concentration. * = indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	Nitrite SNU	Nitrite MNU	Nitrite BNU	Nitrite SN	Nitrite MN	Nitrite BN
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	0.068	*	*	0.043	*	*
2463	Mesquite/Carlos/Ayres Bays	326	18296	0.036	*	0.038	0.003	*	0.002
2471	Aransas Bay	298	18268	0.014	*	0.015	0.002	*	0.003
2471		299	18269	0.010	*	*	0.003	*	*
2471		300	18270	0.009	0.007	0.008	<0.001	<0.001	0.001
2471		301	18271	0.008	0.008	0.010	0.002	0.001	<0.001
2471		302	18272	0.007	0.007	0.009	0.001	0.005	0.003
2471		303	18273	0.005	*	0.007	0.003	*	0.003
2471		305	18275	0.010	*	0.010	0.001	*	0.002
2472	Copano/Port/Mission Bays	296	18226	0.016	0.018	0.020	0.004	0.005	0.006
2472		297	18267	0.014	0.014	0.023	0.005	0.008	0.015
2481	Corpus Christi Bay	307	18277	0.020	0.019	0.045	<0.001	0.003	0.033
2481		309	18279	0.008	0.010	0.016	0.001	0.004	0.003
2481		310	18280	0.011	0.012	0.012	0.001	0.001	0.010
2481		311	18281	0.009	0.009	0.019	<0.001	<0.001	0.004
2481		312	18282	0.008	0.008	0.020	0.005	<0.001	0.001
2481		314	18284	0.017	0.017	0.015	0.002	<0.001	0.002
2482	Nueces Bay	306	18276	0.012	*	0.013	0.001	*	0.001
2482		308	18278	0.023	*	*	0.003	*	*
2483	Redfish Bay	304	18274	0.010	*	*	0.003	*	*
2485	Oso Bay	313	18283	0.039	*	*	0.001	*	*
2491	Laguna Madre	315	18285	0.003	*	*	0.001	*	*
2491		316	18286	0.002	*	*	0.001	*	*
2491		317	18287	0.005	*	0.006	0.001	*	<0.001
2491		323	18293	0.014	0.014	0.012	0.005	0.010	0.003
2491		324	18294	0.009	0.012	0.011	0.005	0.004	0.005
2491		325	18295	0.013	*	*	0.004	*	*
2492	Baffin Bay/Alazan Bay	318	18288	0.260	*	0.236	0.100	*	0.082
2492	Cayo del Grullo/Laguna Salada	319	18289	0.119	*	0.126	0.027	*	0.025
2492		320	18290	0.022	0.023	0.021	0.006	0.006	0.005
2492		321	18291	0.098	0.100	0.118	0.012	0.016	0.019
2492		322	18292	0.080	0.066	0.108	0.031	0.032	0.046

Table 6.4.4. Nitrate + Nitrite (N + N) concentrations (mg/L or ppm) at RCAP 2003 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom 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. **Bold** = highest recorded concentration. * = indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	N + N SNU (SLE 0.26)	N + N MNU	N + N BNU	N + N SN	N + N MN	N + N BN
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	3.105	*	*	3.288	*	*
2463	Mesquite/Carlos/Ayres Bays	326	18296	0.036	*	0.038	0.003	*	0.002
2471	Aransas Bay	298	18268	0.014	*	0.015	0.002	*	0.003
2471		299	18269	0.010	*	*	0.008	*	*
2471		300	18270	0.009	0.007	0.008	<0.001	<0.001	0.001
2471		301	18271	0.008	0.008	0.010	0.001	0.001	<0.001
2471		302	18272	0.007	0.007	0.009	0.001	0.005	0.003
2471		303	18273	0.005	*	0.007	0.003	*	0.003
2471		305	18275	0.010	*	0.010	0.001	*	0.002
2472	Copano/Port/Mission Bays	296	18226	0.016	0.018	0.020	0.004	0.005	0.006
2472		297	18267	0.014	0.014	0.023	0.005	0.008	0.015
2481	Corpus Christi Bay	307	18277	0.028	0.019	0.064	<0.001	0.003	0.033
2481		309	18279	0.008	0.010	0.016	0.001	0.004	0.003
2481		310	18280	0.011	0.012	0.012	0.001	0.001	0.010
2481		311	18281	0.009	0.009	0.019	<0.001	<0.001	0.004
2481		312	18282	0.008	0.008	0.020	0.005	<0.001	0.001
2481		314	18284	0.017	0.017	0.015	0.002	<0.001	0.002
2482	Nueces Bay	306	18276	0.012	*	0.013	0.001	*	0.001
2482		308	18278	0.023	*	*	0.006	*	*
2483	Redfish Bay	304	18274	0.010	*	*	0.008	*	*
2485	Oso Bay	313	18283	0.039	*	*	0.001	*	*
2491	Laguna Madre	315	18285	0.003	*	*	0.001	*	*
2491		316	18286	0.002	*	*	0.001	*	*
2491		317	18287	0.005	*	0.006	0.001	*	<0.001
2491		323	18293	0.014	0.014	0.012	0.005	0.010	0.003
2491		324	18294	0.009	0.018	0.011	0.005	0.004	0.005
2491		325	18295	0.013	*	*	0.004	*	*
2492	Baffin Bay/Alazan Bay	318	18288	0.260	*	0.236	0.252	*	0.163
2492	Cayo del Grullo/Laguna Salada	319	18289	0.163	*	0.159	0.027	*	0.025
2492		320	18290	0.022	0.023	0.021	0.006	0.006	0.005
2492		321	18291	0.166	0.153	0.160	0.012	0.016	0.019
2492		322	18292	0.174	0.180	0.169	0.180	0.183	0.186

Table 6.4.5. Total Phosphorus (TP) concentrations (mg/L or ppm) at RCAP 2003 sampling sites. TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom Nutrient Unfiltered in Field). 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. **Bold** = highest recorded concentration. * = indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	TP SNU (0.22)	TP MNU	TP BNU
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	0.177	*	*
2463	Mesquite/Carlos/Ayres Bays	326	18296	0.026	*	0.026
2471	Aransas Bay	298	18268	0.059	*	0.059
2471		299	18269	0.018	*	*
2471		300	18270	0.042	0.042	0.051
2471		301	18271	0.042	0.033	0.045
2471		302	18272	0.047	0.045	0.048
2471		303	18273	0.033	*	0.031
2471		305	18275	0.033	*	0.030
2472	Copano/Port/Mission Bays	296	18226	0.088	0.075	0.091
2472		297	18267	0.071	0.068	0.069
2481	Corpus Christi Bay	307	18277	0.011	0.010	0.032
2481		309	18279	0.006	0.007	0.007
2481		310	18280	0.012	0.012	0.021
2481		311	18281	0.012	0.012	0.014
2481		312	18282	0.014	0.009	0.011
2481		314	18284	0.004	0.003	0.006
2482	Nueces Bay	306	18276	0.047	*	0.039
2482		308	18278	0.027	*	*
2483	Redfish Bay	304	18274	0.034	*	*
2485	Oso Bay	313	18283	0.005	*	*
2491	Laguna Madre	315	18285	0.005	*	*
2491		316	18286	0.003	*	*
2491		317	18287	0.005	*	0.015
2491		323	18293	0.035	0.038	0.039
2491		324	18294	0.033	0.514	0.035
2491		325	18295	0.038	*	*
2492	Baffin Bay/Alazan Bay	318	18288	0.012	*	0.025
2492	Cayo del Grullo/Laguna Salada	319	18289	0.013	*	0.011
2492		320	18290	0.060	0.056	0.051
2492		321	18291	0.014	0.014	0.017
2492		322	18292	0.011	0.010	0.024

Table 6.4.6. Orthophosphorus (OP), or Dissolved Inorganic Phosphorus, concentrations (mg/L or ppm) at RCAP 2003 sampling sites. TCEQ and 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 SN samples. Other exceedances provided for reference. **Bold** = highest recorded concentration. * = indicates sample not collected due to depth requirements.

Segment	Segment Name	CCS ID	TCEQ ID	OP SN (SLE 0.16)	OP MN	OP BN
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	0.210	*	*
2463	Mesquite/Carlos/Ayres Bays	326	18296	0.113	*	0.099
2471	Aransas Bay	298	18268	0.058	*	0.064
2471		299	18269	0.085	*	*
2471		300	18270	0.022	0.044	0.045
2471		301	18271	0.034	0.034	0.025
2471		302	18272	0.045	0.058	0.042
2471		303	18273	0.022	*	0.026
2471		305	18275	0.021	*	0.017
2472	Copano/Port/Mission Bays	296	18226	0.234	0.185	0.235
2472		297	18267	0.175	0.180	0.196
2481	Corpus Christi Bay	307	18277	0.035	0.032	0.100
2481		309	18279	0.018	0.022	0.022
2481		310	18280	0.038	0.037	0.066
2481		311	18281	0.037	0.036	0.044
2481		312	18282	0.044	0.026	0.033
2481		314	18284	0.013	0.008	0.017
2482	Nueces Bay	306	18276	0.100	*	0.118
2482		308	18278	0.079	*	*
2483	Redfish Bay	304	18274	0.019	*	*
2485	Oso Bay	313	18283	0.015	*	*
2491	Laguna Madre	315	18285	0.014	*	*
2491		316	18286	0.009	*	*
2491		317	18287	0.016	*	0.046
2491		323	18293	0.027	0.056	0.023
2491		324	18294	0.025	0.024	0.031
2491		325	18295	0.024	*	*
2492	Baffin Bay/Alazan Bay	318	18288	0.038	*	0.077
2492	Cayo del Grullo/Laguna Salada	319	18289	0.039	*	0.033
2492		320	18290	0.039	0.039	0.032
2492		321	18291	0.043	0.043	0.052
2492		322	18292	0.034	0.032	0.074

Table 6.4.7. Chlorophyll *a* (Ch *a*) and Total Suspended Solid (TSS) concentrations (µg/L or ppb and mg/L or ppm) at RCAP 2003 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. Other exceedances provided for reference. **Bold** = highest recorded concentration. *= 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/Hynes/Guadalupe Bays	295	18266	35.00	*	*	162.00	*	*
2463	Mesquite/Carlos/Ayres Bays	326	18296	7.75	*	5.97	17.00	*	21.00
2471	Aransas Bay	298	18268	6.96	*	6.70	10.00	*	12.00
2471		299	18269	3.15	*	*	6.00	*	*
2471		300	18270	5.34	5.60	5.71	10.00	11.00	11.00
2471		301	18271	4.47	4.64	5.57	8.00	9.00	15.00
2471		302	18272	5.37	2.70	4.02	7.00	6.00	8.00
2471		303	18273	4.10	*	3.45	16.00	*	6.00
2471		305	18275	3.55	*	3.11	14.00	*	17.00
2472	Copano/Port/Mission Bays	296	18226	9.29	7.17	8.62	11.00	15.00	17.00
2472		297	18267	7.94	8.46	8.41	5.00	7.00	18.00
2481	Corpus Christi Bay	307	18277	5.08	5.41	1.36	10.00	13.00	23.00
2481		309	18279	5.60	2.26	5.65	14.00	10.00	15.00
2481		310	18280	3.77	4.25	1.97	13.00	16.00	16.00
2481		311	18281	3.74	4.42	4.11	10.00	10.00	16.00
2481		312	18282	1.58	5.16	4.40	12.00	9.00	22.00
2481		314	18284	7.92	7.99	8.65	16.00	18.00	17.00
2482	Nueces Bay	306	18276	9.26	*	8.45	37.00	*	69.00
2482		308	18278	12.80	*	*	21.00	*	*
2483	Redfish Bay	304	18274	2.75	*	*	11.00	*	*
2485	Oso Bay	313	18283	10.20	*	*	47.00	*	*
2491	Laguna Madre	315	18285	4.93	*	*	5.00	*	*
2491		316	18286	5.39	*	*	3.00	*	*
2491		317	18287	3.58	*	13.10	9.00	*	8.00
2491		323	18293	11.00	5.60	13.20	7.00	8.00	9.00
2491		324	18294	8.84	9.48	12.90	7.00	7.00	12.00
2491		325	18295	14.80	*	*	13.00	*	*
2492	Baffin Bay/Alazan Bay	318	18288	14.80	*	13.33	176.00	*	177.00
2492	Cayo del Grullo/Laguna Salada	319	18289	15.17	*	16.57	87.00	*	111.00
2492		320	18290	18.90	20.90	19.50	15.00	17.00	16.00
2492		321	18291	14.62	14.43	10.67	78.00	73.00	133.00
2492		322	18292	12.55	11.85	8.30	48.00	50.00	148.00

6.5 Routine Conventional Water Chemistry –Summary Statistics

Table 6.5.1. Ammonia (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom Nutrient Unfiltered in Field). Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated and is only applicable to SNU samples. Other exceedances provided for reference. **Bold** = highest recorded mean concentrations. *= 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	1	-	-	0.021
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.014
TCEQ	2471	Aransas Bay	7	<0.001	0.018	0.003
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	2	0.007	0.007	0.007
0.10 mg/L	2481	Corpus Christi Bay	6	0.001	0.022	0.008
	2482	Nueces Bay	2	<0.001	<0.001	<0.001
	2483	Redfish Bay	1	-	-	0.003
	2485	Oso Bay	1	-	-	0.010
	2491	Laguna Madre	6	<0.001	0.037	0.015
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.023	0.537	0.318
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
MNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	<0.001	0.002	0.001
	2472	Copano Bay/Port Bay/Mission Bay	2	0.009	0.009	0.009
	2481	Corpus Christi Bay	6	<0.000	0.021	0.008
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.016	0.037	0.027
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.020	0.525	0.306
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.016
	2471	Aransas Bay	6	<0.001	0.020	0.004
	2472	Copano Bay/Port Bay/Mission Bay	2	0.010	0.011	0.011
	2481	Corpus Christi Bay	6	0.003	0.022	0.015
	2482	Nueces Bay	1	-	-	0.016
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	<0.001	0.031	0.019
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.020	0.497	0.238

Table 6.5.2. Ammonia (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by 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 and is only applicable to SNU samples. Other exceedances provided for reference. Bold = highest recorded mean concentrations. *= indicates sample not collected due to depth requirements.**

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia SN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.014
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	<0.001
	2471	Aransas Bay	7	<0.001	0.020	0.003
	2472	Copano Bay/Port Bay/Mission Bay	2	0.003	0.007	0.005
	2481	Corpus Christi Bay	6	<0.001	0.020	0.006
	2482	Nueces Bay	2	<0.001	0.003	0.002
	2483	Redfish Bay	1	-	-	0.003
	2485	Oso Bay	1	-	-	0.005
	2491	Laguna Madre	6	<0.001	0.036	0.012
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.012	0.513	0.278
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia MN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	<0.001	0.001	<0.001
	2472	Copano Bay/Port Bay/Mission Bay	2	0.004	0.005	0.004
	2481	Corpus Christi Bay	6	<0.001	0.036	0.012
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.026	0.032	0.029
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.013	0.504	0.279
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Ammonia BN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.002
	2471	Aransas Bay	6	<0.001	0.015	0.004
	2472	Copano Bay/Port Bay/Mission Bay	2	0.003	0.010	0.007
	2481	Corpus Christi Bay	6	<0.001	0.027	0.011
	2482	Nueces Bay	1	-	-	<0.001
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	0.013	0.028	0.018
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.024	0.326	0.229

Table 6.5.3. Nitrate (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom Nutrient Unfiltered in Field). **Bold** = highest recorded mean concentrations. *= 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	1	-	-	3.037
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	<0.010
	2471	Aransas Bay	7	<0.010	<0.010	<0.010
	2472	Copano Bay/Port Bay/Mission Bay	2	<0.010	<0.010	<0.010
	2481	Corpus Christi Bay	6	<0.010	<0.010	<0.010
	2482	Nueces Bay	2	<0.010	<0.010	<0.010
	2483	Redfish Bay	1	-	-	<0.010
	2485	Oso Bay	1	-	-	<0.010
	2491	Laguna Madre	6	<0.010	<0.010	<0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.010	0.095	0.041
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
MNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	<0.010	<0.010	<0.010
	2472	Copano Bay/Port Bay/Mission Bay	2	<0.010	<0.010	<0.010
	2481	Corpus Christi Bay	6	<0.010	<0.010	<0.010
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	<0.010	<0.010	<0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	<0.010	0.114	0.055
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	<0.010
	2471	Aransas Bay	6	<0.010	<0.010	<0.010
	2472	Copano Bay/Port Bay/Mission Bay	2	<0.010	<0.010	<0.010
	2481	Corpus Christi Bay	6	<0.010	0.020	0.003
	2482	Nueces Bay	1	-	-	<0.010
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	<0.010	<0.010	<0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.010	0.062	0.027

Table 6.5.4. Nitrate (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Bold** = highest recorded mean concentrations. *= 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	1	-	-	3.245
SN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	<0.010
	2471	Aransas Bay	7	<0.010	<0.010	<0.010
	2472	Copano Bay/Port Bay/Mission Bay	2	<0.010	<0.010	<0.010
	2481	Corpus Christi Bay	6	<0.010	<0.010	<0.010
	2482	Nueces Bay	2	<0.010	<0.010	<0.010
	2483	Redfish Bay	1	-	-	<0.010
	2485	Oso Bay	1	-	-	<0.010
	2491	Laguna Madre	6	<0.010	<0.010	<0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.010	0.152	0.060
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	3	<0.010	<0.010	<0.010
	2472	Copano Bay/Port Bay/Mission Bay	2	<0.010	<0.010	<0.010
	2481	Corpus Christi Bay	6	<0.010	<0.010	<0.010
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	<0.010	<0.010	<0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	<0.010	0.151	0.050
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	<0.010
	2471	Aransas Bay	6	<0.010	<0.010	<0.010
	2472	Copano Bay/Port Bay/Mission Bay	2	<0.010	<0.010	<0.010
	2481	Corpus Christi Bay	6	<0.010	<0.010	<0.010
	2482	Nueces Bay	1	-	-	<0.010
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	<0.010	<0.010	<0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.010	0.140	0.044

Table 6.5.5. Nitrite (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom Nutrient Unfiltered in Field). **Bold** = highest recorded mean concentrations. *= 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	1	-	-	0.068	
	SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.036
		2471	Aransas Bay	7	0.005	0.014	0.009
		2472	Copano Bay/Port Bay/Mission Bay	2	0.014	0.016	0.015
		2481	Corpus Christi Bay	6	0.008	0.020	0.012
		2482	Nueces Bay	2	0.012	0.023	0.017
		2483	Redfish Bay	1	-	-	0.010
		2485	Oso Bay	1	-	-	0.039
		2491	Laguna Madre	6	0.002	0.014	0.008
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.022	0.260	0.116
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*	
	MNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
		2471	Aransas Bay	3	0.007	0.008	0.007
		2472	Copano Bay/Port Bay/Mission Bay	2	0.014	0.018	0.016
		2481	Corpus Christi Bay	6	0.008	0.019	0.012
		2482	Nueces Bay	*	*	*	*
		2483	Redfish Bay	*	*	*	*
		2485	Oso Bay	*	*	*	*
		2491	Laguna Madre	2	0.012	0.014	0.013
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.023	0.100	0.063
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*	
	BNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.038
		2471	Aransas Bay	6	0.007	0.015	0.010
		2472	Copano Bay/Port Bay/Mission Bay	2	0.020	0.023	0.021
		2481	Corpus Christi Bay	6	0.012	0.045	0.021
		2482	Nueces Bay	1	-	-	0.013
		2483	Redfish Bay	*	*	*	*
		2485	Oso Bay	*	*	*	*
		2491	Laguna Madre	3	0.006	0.012	0.009
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.021	0.236	0.122

Table 6.5.6. Nitrite (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by EPA Method (SN = Surface Nutrient Field Filtered, MN = Mid-Depth Nutrient Field Filtered, BN = Bottom Nutrient Field Filtered). **Bold** = highest recorded mean concentrations. *= indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrite SN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.043
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.003
	2471	Aransas Bay	7	<0.001	0.003	0.002
	2472	Copano Bay/Port Bay/Mission Bay	2	0.004	0.005	0.004
	2481	Corpus Christi Bay	6	<0.001	0.005	0.002
	2482	Nueces Bay	2	0.001	0.003	0.002
	2483	Redfish Bay	1	-	-	0.003
	2485	Oso Bay	1	-	-	0.001
	2491	Laguna Madre	6	<0.001	0.005	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.006	0.100	0.035
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrite MN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	<0.001	0.005	0.002
	2472	Copano Bay/Port Bay/Mission Bay	2	0.005	0.008	0.007
	2481	Corpus Christi Bay	6	<0.001	0.004	0.001
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.004	0.010	0.007
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.006	0.032	0.018
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrite BN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.002
	2471	Aransas Bay	6	<0.001	0.003	0.002
	2472	Copano Bay/Port Bay/Mission Bay	2	0.006	0.015	0.010
	2481	Corpus Christi Bay	6	0.001	0.033	0.009
	2482	Nueces Bay	1	-	-	0.001
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	<0.001	0.005	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.005	0.082	0.035

Table 6.5.7. Nitrate + Nitrite (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom Nutrient Unfiltered in Field). **Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated and is only applicable to SNU samples. Other exceedances provided for reference. Bold** = highest recorded mean concentrations. *= 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	1	-	-	3.105
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.036
TCEQ	2471	Aransas Bay	7	0.005	0.014	0.009
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	2	0.014	0.016	0.015
0.26 mg/L	2481	Corpus Christi Bay	6	0.008	0.028	0.013
	2482	Nueces Bay	2	0.012	0.023	0.017
	2483	Redfish Bay	1	-	-	0.010
	2485	Oso Bay	1	-	-	0.039
	2491	Laguna Madre	6	0.002	0.014	0.008
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.022	0.260	0.157
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate + Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
MNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	0.007	0.008	0.007
	2472	Copano Bay/Port Bay/Mission Bay	2	0.014	0.018	0.016
	2481	Corpus Christi Bay	6	0.008	0.019	0.012
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.014	0.018	0.016
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.023	0.180	0.119
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate + Nitrite	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.038
	2471	Aransas Bay	6	0.007	0.015	0.010
	2472	Copano Bay/Port Bay/Mission Bay	2	0.020	0.023	0.021
	2481	Corpus Christi Bay	6	0.012	0.064	0.024
	2482	Nueces Bay	1	-	-	0.013
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	0.006	0.012	0.009
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.021	0.236	0.149

Table 6.5.8. Nitrate + Nitrite (mg/L) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by 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 and is only applicable to SNU samples. Other exceedances provided for reference. Bold** = highest recorded mean concentrations. *= indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate + Nitrite SN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	3.288
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.003
	2471	Aransas Bay	7	<0.001	0.008	0.002
	2472	Copano Bay/Port Bay/Mission Bay	2	0.004	0.005	0.004
	2481	Corpus Christi Bay	6	<0.001	0.005	0.002
	2482	Nueces Bay	2	0.001	0.006	0.004
	2483	Redfish Bay	1	-	-	0.008
	2485	Oso Bay	1	-	-	0.001
	2491	Laguna Madre	6	0.001	0.005	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.006	0.252	0.095
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate + Nitrite MN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	<0.001	0.005	0.002
	2472	Copano Bay/Port Bay/Mission Bay	2	0.005	0.008	0.007
	2481	Corpus Christi Bay	6	<0.001	0.004	0.001
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.004	0.010	0.007
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.006	0.183	0.068
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nitrate + Nitrite BN	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.002
	2471	Aransas Bay	6	<0.001	0.003	0.002
	2472	Copano Bay/Port Bay/Mission Bay	2	0.006	0.015	0.010
	2481	Corpus Christi Bay	6	0.001	0.033	0.009
	2482	Nueces Bay	1	-	-	0.001
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	<0.001	0.005	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.005	0.186	0.079

Table 6.5.9. Total Phosphorus (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ Method (SNU = Surface Nutrient Unfiltered in Field, MNU = Mid-Depth Nutrient Unfiltered in Field, BNU = Bottom Nutrient Unfiltered in Field). **Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated and is only applicable to SNU samples. Other exceedances provided for reference. Bold** = highest recorded mean concentrations. *= indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Phosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.177
SNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.026
TCEQ	2471	Aransas Bay	7	0.018	0.059	0.039
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	2	0.071	0.088	0.080
0.22 mg/L	2481	Corpus Christi Bay	6	0.004	0.014	0.010
	2482	Nueces Bay	2	0.027	0.047	0.037
	2483	Redfish Bay	1	-	-	0.034
	2485	Oso Bay	1	-	-	0.005
	2491	Laguna Madre	6	0.003	0.038	0.020
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.011	0.060	0.022
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Phosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
MNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	0.033	0.045	0.040
	2472	Copano Bay/Port Bay/Mission Bay	2	0.068	0.075	0.071
	2481	Corpus Christi Bay	6	0.003	0.012	0.009
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.038	0.514	0.276
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.010	0.056	0.027
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Phosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BNU	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.026
	2471	Aransas Bay	6	0.030	0.059	0.044
	2472	Copano Bay/Port Bay/Mission Bay	2	0.069	0.091	0.080
	2481	Corpus Christi Bay	6	0.006	0.032	0.015
	2482	Nueces Bay	1	-	-	0.039
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	0.015	0.039	0.030
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.011	0.051	0.025

Table 6.5.10. Orthophosphorus, or Dissolved Inorganic Phosphorus, (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ and EPA Method (SN = Surface Nutrient Field Filtered, MNU = Mid-Depth Nutrient Field Filtered, BNU = Bottom Nutrient Field Filtered). Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated and is only applicable to SN samples. Other exceedances provided for reference. **Bold** = highest recorded mean concentrations. *= indicates sample not collected due to depth requirements.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Orthophosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.210
SN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.113
TCEQ	2471	Aransas Bay	7	0.021	0.085	0.041
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	2	0.175	0.234	0.204
0.16 mg/L	2481	Corpus Christi Bay	6	0.013	0.044	0.031
	2482	Nueces Bay	2	0.079	0.100	0.090
	2483	Redfish Bay	1	-	-	0.019
	2485	Oso Bay	1	-	-	0.015
	2491	Laguna Madre	6	0.009	0.027	0.019
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.034	0.043	0.038
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Orthophosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
MN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	*	*	*	*
	2471	Aransas Bay	3	0.034	0.058	0.045
	2472	Copano Bay/Port Bay/Mission Bay	2	0.180	0.185	0.183
	2481	Corpus Christi Bay	6	0.008	0.037	0.027
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.024	0.056	0.040
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.032	0.043	0.038
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Orthophosphorus	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BN	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.099
	2471	Aransas Bay	6	0.017	0.064	0.036
	2472	Copano Bay/Port Bay/Mission Bay	2	0.196	0.235	0.216
	2481	Corpus Christi Bay	6	0.017	0.100	0.047
	2482	Nueces Bay	1	-	-	0.118
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	0.023	0.046	0.033
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.032	0.077	0.053

Table 6.5.11. Chlorophyll *a* (µg/L or ppb) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ and EPA Method (SCL = Surface Ch *a* Field Filtered, MCL = Mid-Depth Ch *a* Field Filtered, BCL = Bottom Ch *a* Field Filtered). Shaded value exceeded TCEQ Screening Level Estuary (SLE) indicated and is only applicable to SN samples. Other exceedances provided for reference. **Bold** = highest recorded mean concentrations. *= 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	1	-	-	35.00
SCL	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	7.75
TCEQ	2471	Aransas Bay	7	3.15	6.96	4.71
SLE 2000	2472	Copano Bay/Port Bay/Mission Bay	2	7.94	9.29	8.62
11.50 µg/L	2481	Corpus Christi Bay	6	1.58	7.92	4.62
	2482	Nueces Bay	2	9.26	12.80	11.03
	2483	Redfish Bay	1	-	-	2.75
	2485	Oso Bay	1	-	-	10.20
	2491	Laguna Madre	6	3.58	14.80	8.09
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	12.55	18.90	15.21
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	3	2.70	5.60	4.31
	2472	Copano Bay/Port Bay/Mission Bay	2	7.17	8.46	7.82
	2481	Corpus Christi Bay	6	2.26	7.99	4.92
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	5.60	9.48	7.54
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	11.85	20.90	15.73
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Chlorophyll <i>a</i>	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BCL	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	5.97
	2471	Aransas Bay	6	3.11	6.70	4.76
	2472	Copano Bay/Port Bay/Mission Bay	2	8.41	8.62	8.52
	2481	Corpus Christi Bay	6	1.36	8.65	4.36
	2482	Nueces Bay	1	-	-	8.45
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	12.90	13.20	13.07
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	8.30	19.50	13.67

Table 6.5.12. Total Suspended Solids (TSS) concentrations (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2003 sampling sites, by TCEQ and EPA Method (SS = Surface Sample, MS = Mid-Depth Sample, BS = Bottom Sample). **Bold** = highest recorded mean concentrations. *= 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	1	-	-	162.0
SS	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	17.0
	2471	Aransas Bay	7	6.0	16.0	10.1
	2472	Copano Bay/Port Bay/Mission Bay	2	5.0	11.0	8.0
	2481	Corpus Christi Bay	6	10.0	16.0	12.5
	2482	Nueces Bay	2	21.0	37.0	29.0
	2483	Redfish Bay	1	-	-	11.0
	2485	Oso Bay	1	-	-	47.0
	2491	Laguna Madre	6	3.0	13.0	7.3
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	15.0	176.0	80.8
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	3	6.0	11.0	8.7
	2472	Copano Bay/Port Bay/Mission Bay	2	7.0	15.0	11.0
	2481	Corpus Christi Bay	6	9.0	18.0	12.7
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	7.0	8.0	7.5
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	17.0	73.0	46.7
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
TSS	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	*	*	*	*
BS	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	21.0
	2471	Aransas Bay	6	6.0	17.0	11.5
	2472	Copano Bay/Port Bay/Mission Bay	2	17.0	18.0	17.5
	2481	Corpus Christi Bay	6	15.0	23.0	18.2
	2482	Nueces Bay	1	-	-	69.0
	2483	Redfish Bay	*	*	*	*
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	3	8.0	12.0	9.7
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	16.0	177.0	117.0

6.6 Microbiological – Individual Concentrations (CFU/100 ml)

Table 6.6.1. Enterococci concentrations comparing two different IDEXX methods recorded at RCAP 2003 sampling sites. **Shaded value exceeded TCEQ criteria level of 104 CFU/100 ml. Bold = highest recorded concentration. ND = no data collected.**

Segment	Segment Name	CCS ID	TCEQ ID	IDEXX 51	IDEXX 97
2462	San Antonio/Hynes/Guadalupe Bay	295	18266	ND	ND
2463	Mesquite/Carlos/Ayres Bay	326	18296	10.00	<10.00
2471	Aransas Bay	298	18268	<10.00	<10.00
2471		299	18269	<10.00	<10.00
2471		300	18270	<10.00	<10.00
2471		301	18271	<10.00	<10.00
2471		302	18272	<10.00	<10.00
2471		303	18273	<10.00	10.00
2471		305	18275	<10.00	<10.00
2472	Copano/Port/Mission Bay	296	18226	<10.00	<10.00
2472		297	18267	<10.00	10.00
2481	Corpus Christi Bay	307	18277	<10.00	<10.00
2481		309	18279	10.00	<10.00
2481		310	18280	<10.00	<10.00
2481		311	18281	<10.00	<10.00
2481		312	18282	<10.00	<10.00
2481		314	18284	<10.00	<10.00
2482	Nueces Bay	306	18276	20.00	41.00
2482		308	18278	<10.00	<10.00
2483	Redfish Bay	304	18274	<10.00	<10.00
2485	Oso Bay	313	18283	42.00	20.00
2491	Laguna Madre	315	18285	<10.00	<10.00
2491		316	18286	<10.00	<10.00
2491		317	18287	<10.00	<10.00
2491		323	18293	<10.00	<10.00
2491		324	18294	<10.00	<10.00
2491		325	18295	<10.00	<10.00
2492	Baffin Bay/Alazan Bay	318	18288	75.00	41.00
2492	Cayo del Grullo/Laguna Salada	319	18289	31.00	10.00
2492		320	18290	<10.00	<10.00
2492		321	18291	31.00	20.00
2492		322	18292	<10.00	<10.00

6.7 Trace Metals in Water– Individual Concentrations (µg/L or ppb)

Table 6.7.1. Trace metals in water concentrations (µg/L or ppb) at 19 of 32 RCAP 2003 sampling sites. D = Dissolved and T = Total. All values fell well below applicable TCEQ criteria levels. No value (-) indicates concentration below the detection limit listed in parentheses below chemical symbol. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS_ID	TCEQ_ID	As (D) (0.5)	Cd (D) (0.02)	Cu (D) (0.1)	Hg (T) (0.0005)	Ni (D) (0.1)	Pb (D) (0.02)	Se (T) (0.1)	Zn (D) (0.2)
2463	Mesquite/Carlos/Ayres Bays	18296	326	2.99	-	0.875	0.0012	1.042	-	0.183	-
2471	Aransas Bay	18268	298	2.14	-	0.605	0.0005	0.691	-	0.124	-
2471		18271	301	2.04	-	0.469	0.0005	0.494	0.032	-	-
2471		18275	305	1.33	-	0.239	0.0006	0.448	0.021	-	-
2472	Copano/Port/Mission Bays	18226	296	5.34	-	1.136	0.0009	1.024	-	0.181	-
2472		18267	297	4.35	-	0.973	0.0006	0.969	0.057	0.199	-
2481	Corpus Christi Bay	18277	307	2.11	0.072	0.804	0.0043	0.751	0.024	0.196	0.854
2481		18284	314	2.38	-	0.227	0.0014	0.575	0.057	-	-
2481		18280	310	1.99	0.052	0.709	0.0015	0.670	0.033	0.132	0.449
2481		18281	311	1.87	0.057	0.774	0.0012	0.732	0.022	0.184	0.618
2482	Nueces Bay	18276	306	3.82	0.035	0.994	0.0040	1.049	0.030	0.202	0.694
2482		18278	308	2.23	0.086	0.959	0.0052	0.951	-	0.569	1.344
2483	Redfish Bay	18274	304	1.94	-	0.312	0.0005	0.549	0.029	-	-
2485	Oso Bay	18283	313	2.68	0.024	0.613	0.0022	0.804	0.113	-	0.250
2491	Laguna Madre	18287	317	2.88	-	0.204	0.0010	0.540	0.028	-	-
2491		18294	324	1.80	-	0.352	0.0007	0.550	0.034	-	-
2492	Baffin Bay/Alazan Bay/	18288	318	9.04	0.037	1.378	0.0050	1.251	0.066	0.134	-
2492	Cayo del Grullo/Laguna Salada	18289	319	7.97	0.020	1.183	0.0034	1.206	0.114	0.161	0.918
2492		18292	322	7.89	-	0.875	0.0020	0.991	0.081	0.112	0.282

TCEQ Tidal Water Chronic Criteria Levels (ppb): As (78.00), Cd (10.00), Cu (3.60), Pb (5.30), Ni (13.10), Hg (1.10), Se (136.00), Zn (84.20).

6.8 Trace Metals in Sediment and Sediment Characteristics– Individual Concentrations (mg/kg or ppm dry weight)

Table 6.8.1. Trace metal (mg/kg or ppm dry weight) and sediment characteristic (%) concentrations for RCAP 2003 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 detection 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	295	18266	-	30476	4.7	0.18	27.8	-	12367	0.028	221	3.3	10.1	0.37	0.40	-	34.5	0.77	79.32	20.40	0.28
2463	Mesquite/Carlos/Ayres Bays	326	18296	0.06	28036	4.9	0.06	17.3	-	9289	0.013	175	6.5	9.6	0.50	0.10	0.30	26.8	0.45	28.51	71.49	0.00
2471	Aransas Bay	298	18268	0.05	5933	6.8	0.12	27.6	5.7	14347	0.031	306	5.3	12.9	0.47	0.29	-	44.2	1.18	64.42	34.42	1.16
2471		299	18269	-	16042	2.4	-	7.0	-	3747	0.017	68	-	6.5	0.27	-	0.40	13.3	0.25	91.70	8.30	0.00
2471		300	18270	-	34883	7.0	0.18	38.1	8.5	21350	0.041	354	6.4	14.3	0.49	-	0.20	62.5	0.98	70.59	29.29	0.12
2471		301	18271	-	44279	7.3	0.14	38.1	9.6	20299	0.039	335	7.8	16.2	0.43	0.27	0.20	57.2	0.95	57.84	39.89	2.27
2471		302	18272	-	39624	6.8	0.19	53.8	11.1	31687	0.033	663	9.8	17.3	0.51	-	0.70	84.8	1.61	9.09	90.81	0.11
2471		303	18273	-	9816	1.8	-	6.2	-	1851	-	25	-	5.8	0.26	-	-	8.4	0.04	7.17	90.47	2.36
2471		305	18275	-	13758	2.4	-	16.9	-	3387	0.014	69	1.4	6.8	0.27	-	-	13.5	0.06	6.46	93.47	0.08
2472	Copano/Port/Mission Bays	296	18226	-	60994	9.5	0.25	48.4	11.6	28682	0.043	408	11.7	20.1	0.79	0.25	0.90	77.6	1.59	98.69	1.17	0.14
2472		297	18267	-	65827	9.2	0.24	49.0	12.0	29129	0.043	380	11.5	19.8	0.66	0.66	0.70	81.0	1.63	93.95	6.06	0.00
2481	Corpus Christi Bay	307	18277	-	38068	5.9	0.93	30.3	7.9	15408	0.172	198	7.1	8.1	0.56	0.97	0.20	109.5	0.82	52.29	42.43	5.28
2481		309	18279	-	51146	8.0	0.28	40.4	9.9	22867	0.074	335	10.0	18.2	0.59	0.70	0.60	92.9	1.11	90.40	9.23	0.37
2481		310	18280	-	13683	4.0	0.21	22.8	-	12674	0.013	312	8.3	9.8	0.60	-	0.10	54.7	0.58	35.61	42.09	22.29
2481		311	18281	-	46088	6.5	0.28	34.4	8.3	21298	0.092	284	5.5	18.3	0.60	0.24	0.60	93.3	1.06	83.54	15.09	1.37
2481		312	18282	-	57524	7.3	0.34	43.9	11.4	26096	0.091	321	11.6	21.5	0.64	0.74	1.00	112.8	1.20	93.87	5.80	0.33
2481		314	18284	-	11097	2.0	0.09	8.8	-	2536	0.022	30	-	5.6	0.30	0.42	0.10	17.7	0.22	8.16	91.36	0.48
2482	Nueces Bay	306	18276	-	42014	7.4	0.39	33.6	9.0	18241	0.083	261	5.0	16.7	0.50	0.58	0.50	86.2	0.98	86.94	12.96	0.43
2482		308	18278	0.10	13779	2.5	0.23	8.0	-	3214	0.037	43	-	6.4	0.32	0.46	-	24.6	0.17	10.41	89.26	0.34
2483	Redfish Bay	304	18274	-	22829	3.2	0.13	18.5	-	8243	0.019	153	3.4	8.1	0.29	-	-	29.0	0.57	21.18	42.75	36.07
2485	Oso Bay	313	18283	-	4596	1.6	0.09	0.0	-	1221	-	74	-	3.7	0.59	-	-	7.2	0.03	4.98	77.50	17.52
2491	Laguna Madre	315	18285	-	11240	2.5	0.10	15.0	-	3745	0.019	75	-	5.8	0.32	0.39	-	13.7	1.12	12.87	76.70	10.43
2491		316	18286	-	9001	2.5	0.06	4.2	-	2107	0.016	29	-	4.9	0.39	0.36	-	8.9	0.64	9.00	75.15	15.85
2491		317	18287	-	9682	1.7	-	5.6	-	1958	-	41	1.4	2.6	0.00	-	-	8.6	0.38	6.84	85.79	7.37
2491		323	18293	-	19999	5.2	0.08	11.9	-	6800	0.022	173	2.7	8.9	0.27	0.27	-	23.3	0.83	19.45	73.15	7.40
2491		324	18294	-	34146	6.7	0.16	23.8	6.9	13731	0.027	447	4.2	11.6	0.45	0.23	-	43.1	2.10	55.04	43.32	1.64
2491		325	18295	-	16198	2.8	0.10	6.3	-	4094	0.015	90	1.2	6.3	0.26	-	-	14.5	0.53	12.62	82.75	4.63
2492	Baffin Bay/Alazan Bay	318	18288	-	57987	6.6	0.19	41.2	9.2	24765	0.034	420	6.3	14.6	0.60	0.21	0.80	69.4	1.65	87.86	11.92	0.21
2492	Cayo del Grullo/Laguna Salada	319	18289	-	11488	2.4	0.08	7.4	-	4192	0.025	58	-	6.1	0.36	0.51	-	14.6	0.48	28.49	59.77	11.74
2492		320	18290	-	37290	6.4	0.19	25.1	7.7	13304	0.027	275	5.3	13.9	0.40	0.13	0.10	42.0	1.31	71.42	28.58	0.00
2492		321	18291	0.07	69891	8.1	0.30	47.7	13.2	31089	0.048	569	8.7	18.5	0.76	0.43	0.90	89.9	2.49	88.10	11.90	0.00
2492		322	18292	0.08	64143	8.7	0.31	45.3	13.6	28872	0.047	556	8.4	18.5	0.73	0.43	1.10	83.2	2.74	86.29	13.71	0.00

6.9 Trace Metals in Sediment and Sediment Characteristics – Summary Statistics (mg/kg or ppm dry weight)

Table 6.9.1. Total Organic Carbon (%), Sand (%), and Silt-Clay (%) summary statistics, listed by TCEQ Segment, for RCAP 2003 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	1	-	-	0.77
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.45
	2471	Aransas Bay	7	0.04	1.61	0.72
	2472	Copano Bay/Port Bay/Mission Bay	2	1.59	1.63	1.61
	2481	Corpus Christi Bay	6	0.22	1.20	0.83
	2482	Nueces Bay	2	0.17	0.98	0.58
	2483	Redfish Bay	1	-	-	0.57
	2485	Oso Bay	1	-	-	0.03
	2491	Laguna Madre	6	0.38	2.10	0.93
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.48	2.74	1.73

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Percent Sand (0.0625 - 2.00 mm)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	20.40
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	71.49
	2471	Aransas Bay	7	8.30	93.47	55.24
	2472	Copano Bay/Port Bay/Mission Bay	2	1.17	6.06	3.62
	2481	Corpus Christi Bay	6	5.80	91.36	34.33
	2482	Nueces Bay	2	12.96	89.26	51.11
	2483	Redfish Bay	1	-	-	42.75
	2485	Oso Bay	1	-	-	77.50
	2491	Laguna Madre	6	43.32	85.79	72.81
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	11.90	59.77	25.18

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Percent Silt-Clay (< 0.0625 mm)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	79.32
	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	28.51
	2471	Aransas Bay	7	6.46	91.70	43.90
	2472	Copano Bay/Port Bay/Mission Bay	2	93.95	98.69	96.32
	2481	Corpus Christi Bay	6	8.16	93.87	60.65
	2482	Nueces Bay	2	10.41	86.94	48.68
	2483	Redfish Bay	1	-	-	21.18
	2485	Oso Bay	1	-	-	4.98
	2491	Laguna Madre	6	6.84	55.04	19.30
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	28.49	88.10	72.43

Table 6.9.2. Aluminum, Antimony, and Arsenic (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2003 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	1	-	-	30476
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	28036
85 th Percentile (NA)	2471	Aransas Bay	7	5933	44279	23476
	2472	Copano Bay/Port Bay/Mission Bay	2	60994	65827	63411
	2481	Corpus Christi Bay	6	11097	57524	36268
	2482	Nueces Bay	2	13779	42014	27897
	2483	Redfish Bay	1	-	-	22829
	2485	Oso Bay	1	-	-	4596
	2491	Laguna Madre	6	9001	34146	16711
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	11488	69891	48160

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Antimony (Sb)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.37
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.50
85 th Percentile (NA)	2471	Aransas Bay	7	0.26	0.51	0.39
	2472	Copano Bay/Port Bay/Mission Bay	2	0.66	0.79	0.73
	2481	Corpus Christi Bay	6	0.30	0.64	0.55
	2482	Nueces Bay	2	0.32	0.50	0.41
	2483	Redfish Bay	1	-	-	0.29
	2485	Oso Bay	1	-	-	0.59
	2491	Laguna Madre	6	<0.20	0.45	0.28
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.36	0.76	0.57

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Arsenic (As)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	4.70
PEL = 41.60	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	4.87
85 th Percentile = 9.61	2471	Aransas Bay	7	1.77	7.30	4.92
	2472	Copano Bay/Port Bay/Mission Bay	2	9.20	9.48	9.34
	2481	Corpus Christi Bay	6	1.96	8.01	5.61
	2482	Nueces Bay	2	2.51	7.36	4.94
	2483	Redfish Bay	1	-	-	3.24
	2485	Oso Bay	1	-	-	1.63
	2491	Laguna Madre	6	1.74	6.66	3.59
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	2.37	8.74	6.44

Table 6.9.3. Cadmium, Chromium, and Copper (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2003 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	1	-	-	0.18
PEL = 4.21	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.06
85 th Percentile = 0.663	2471	Aransas Bay	7	<0.05	0.19	0.09
	2472	Copano Bay/Port Bay/Mission Bay	2	0.24	0.25	0.25
	2481	Corpus Christi Bay	6	0.09	0.93	0.36
	2482	Nueces Bay	2	0.23	0.39	0.31
	2483	Redfish Bay	1	-	-	0.13
	2485	Oso Bay	1	-	-	0.09
	2491	Laguna Madre	6	<0.05	0.16	0.08
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.08	0.31	0.21

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Chromium (Cr)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	27.80
PEL = 160.40	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	17.30
85 th Percentile = 36.90	2471	Aransas Bay	7	6.20	53.80	26.81
	2472	Copano Bay/Port Bay/Mission Bay	2	48.40	49.00	48.70
	2481	Corpus Christi Bay	6	8.80	43.90	30.10
	2482	Nueces Bay	2	8.00	33.60	20.80
	2483	Redfish Bay	1	-	-	18.50
	2485	Oso Bay	1	-	-	<4.00
	2491	Laguna Madre	6	4.20	23.80	11.13
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	7.40	47.70	33.34

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Copper (Cu)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	<5.00
PEL = 108.20	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	<5.00
85 th Percentile = 19.90	2471	Aransas Bay	7	<5.00	11.10	4.99
	2472	Copano Bay/Port Bay/Mission Bay	2	11.60	12.00	11.80
	2481	Corpus Christi Bay	6	<5.00	11.40	6.25
	2482	Nueces Bay	2	<5.00	9.00	4.50
	2483	Redfish Bay	1	-	-	<5.00
	2485	Oso Bay	1	-	-	<5.00
	2491	Laguna Madre	6	<5.00	6.90	1.15
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<5.00	13.60	8.74

Table 6.9.4. Iron, Lead, and Manganese (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2003 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	1	-	-	12367
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	9289
85 th Percentile (NA)	2471	Aransas Bay	7	1851	31687	13810
	2472	Copano Bay/Port Bay/Mission Bay	2	28682	29129	28906
	2481	Corpus Christi Bay	6	2536	26096	16813
	2482	Nueces Bay	2	3214	18241	10728
	2483	Redfish Bay	1	-	-	8243
	2485	Oso Bay	1	-	-	1221
	2491	Laguna Madre	6	1958	13731	5406
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	4192	31089	20444

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Lead (Pb)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	10.13
PEL = 112.18	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	9.62
85 th Percentile = 21.90	2471	Aransas Bay	7	5.75	17.26	11.38
	2472	Copano Bay/Port Bay/Mission Bay	2	19.80	20.05	19.93
	2481	Corpus Christi Bay	6	5.63	21.54	13.58
	2482	Nueces Bay	2	6.37	16.73	11.55
	2483	Redfish Bay	1	-	-	8.08
	2485	Oso Bay	1	-	-	3.66
	2491	Laguna Madre	6	2.61	11.57	6.68
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	6.06	18.54	14.31

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Manganese (Mn)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	221
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	175
85 th Percentile (NA)	2471	Aransas Bay	7	25	663	260
	2472	Copano Bay/Port Bay/Mission Bay	2	380	408	394
	2481	Corpus Christi Bay	6	30	335	247
	2482	Nueces Bay	2	43	261	152
	2483	Redfish Bay	1	-	-	153
	2485	Oso Bay	1	-	-	74
	2491	Laguna Madre	6	29	447	142
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	58	569	376

Table 6.9.5. Mercury, Nickel, and Selenium (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2003 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
Mercury (Hg)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.028
PEL = 0.696	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.013
85 th Percentile = 0.230	2471	Aransas Bay	7	<0.010	0.041	0.025
	2472	Copano Bay/Port Bay/Mission Bay	2	0.043	0.043	0.043
	2481	Corpus Christi Bay	6	0.013	0.172	0.077
	2482	Nueces Bay	2	0.037	0.083	0.060
	2483	Redfish Bay	1	-	-	0.019
	2485	Oso Bay	1	-	-	<0.010
	2491	Laguna Madre	6	<0.010	0.027	0.017
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.025	0.048	0.036

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Nickel (Ni)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	3.32
PEL = 42.80	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	6.52
85 th Percentile = 21.40	2471	Aransas Bay	7	<1.00	9.82	4.38
	2472	Copano Bay/Port Bay/Mission Bay	2	11.47	11.73	11.60
	2481	Corpus Christi Bay	6	<1.00	11.64	7.09
	2482	Nueces Bay	2	<1.00	5.00	2.50
	2483	Redfish Bay	1	-	-	3.43
	2485	Oso Bay	1	-	-	<1.00
	2491	Laguna Madre	6	<1.00	4.15	1.56
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<1.00	8.66	5.73

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Selenium (Se)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	0.40
PEL = NA	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.10
85 th Percentile = 1.70	2471	Aransas Bay	7	<0.10	0.29	0.08
	2472	Copano Bay/Port Bay/Mission Bay	2	0.25	0.66	0.46
	2481	Corpus Christi Bay	6	<0.10	0.97	0.51
	2482	Nueces Bay	2	0.46	0.58	0.52
	2483	Redfish Bay	1	-	-	<0.10
	2485	Oso Bay	1	-	-	<0.10
	2491	Laguna Madre	6	<0.10	0.39	0.21
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	0.13	0.51	0.34

Table 6.9.6. Silver, Tin, and Zinc (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2003 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	1	-	-	<0.05
PEL = 1.77	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.06
85 th Percentile = 0.600	2471	Aransas Bay	7	<0.05	0.05	0.01
	2472	Copano Bay/Port Bay/Mission Bay	2	<0.05	<0.05	<0.05
	2481	Corpus Christi Bay	6	<0.05	<0.05	<0.05
	2482	Nueces Bay	2	<0.05	0.10	0.05
	2483	Redfish Bay	1	-	-	<0.05
	2485	Oso Bay	1	-	-	<0.05
	2491	Laguna Madre	6	<0.05	<0.05	<0.05
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.05	0.08	0.03

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Tin (Sn)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	<0.10
PEL (NA)	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	0.30
85 th Percentile (NA)	2471	Aransas Bay	7	<0.10	0.70	0.21
	2472	Copano Bay/Port Bay/Mission Bay	2	0.70	0.90	0.80
	2481	Corpus Christi Bay	6	0.10	1.00	0.43
	2482	Nueces Bay	2	<0.10	0.50	0.25
	2483	Redfish Bay	1	-	-	<0.10
	2485	Oso Bay	1	-	-	<0.10
	2491	Laguna Madre	6	<0.10	<0.10	<0.10
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	<0.10	1.10	0.58

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Zinc (Zn)	2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	1	-	-	34.50
PEL = 271.0	2463	Mesquite Bay/Carlos Bay/Ayres Bay	1	-	-	26.80
85 th Percentile = 107.0	2471	Aransas Bay	7	8.40	84.80	40.56
	2472	Copano Bay/Port Bay/Mission Bay	2	77.60	81.00	79.30
	2481	Corpus Christi Bay	6	17.70	112.80	80.15
	2482	Nueces Bay	2	24.60	86.20	55.40
	2483	Redfish Bay	1	-	-	29.00
	2485	Oso Bay	1	-	-	7.20
	2491	Laguna Madre	6	8.60	43.10	18.68
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	5	14.60	89.90	59.82

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

Table 6.10.1. Sediment concentrations (ng/g or ppb) of 2 out of 20 PCB congeners (all other PCBs < reporting limit) at RCAP 2003 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	101	105	Total PCB
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	-	-	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-	-	-
2471	Aransas Bay	298	18268	-	-	-
2471		299	18269	-	-	-
2471		300	18270	-	-	-
2471		301	18271	-	-	-
2471		302	18272	-	-	-
2471		303	18273	-	-	-
2471		305	18275	-	-	-
2472	Copano/Port/Mission Bays	296	18226	-	-	-
2472		297	18267	-	-	-
2481	Corpus Christi Bay	307	18277	-	-	-
2481		309	18279	-	-	-
2481		310	18280	-	-	-
2481		311	18281	-	-	-
2481		312	18282	-	-	-
2481		314	18284		1.81	1.81
2482	Nueces Bay	306	18276	5.27		5.27
2482		308	18278	-	-	-
2483	Redfish Bay	304	18274	-	-	-
2485	Oso Bay	313	18283	-	-	-
2491	Laguna Madre	315	18285	-	-	-
2491		316	18286	-	-	-
2491		317	18287	-	-	-
2491		323	18293	-	-	-
2491		324	18294	-	-	-
2491		325	18295	-	-	-
2492	Baffin Bay/Alazan Bay	318	18288	-	-	-
2492	Cayo del Grullo/Laguna Salada	319	18289	-	-	-
2492		320	18290	-	-	-
2492		321	18291	-	-	-
2492		322	18292	-	-	-

Table 6.10.2. Sediment concentrations of DDD, DDE, and DDT (ng/g or ppb) at RCAP 2003 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	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/Hynes/Guadalupe Bays	295	18266	-	-	-	-	-	-	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-	-	-	-	-	-	-
2471	Aransas Bay	298	18268	-	-	-	-	-	-	-
2471		299	18269	-	-	-	-	-	-	-
2471		300	18270	-	-	-	-	-	-	-
2471		301	18271	-	-	-	-	-	-	-
2471		302	18272	-	-	-	-	-	-	-
2471		303	18273	-	-	-	-	-	-	-
2471		305	18275	-	-	-	-	-	-	-
2472	Copano/Port/Mission Bays	296	18226	-	-	-	-	-	-	-
2472		297	18267	-	-	-	-	-	-	-
2481	Corpus Christi Bay	307	18277	-	-	-	-	-	-	-
2481		309	18279	-	-	-	-	-	-	-
2481		310	18280	-	-	-	-	-	-	-
2481		311	18281	-	-	-	-	-	-	-
2481		312	18282	-	-	-	-	-	-	-
2481		314	18284	-	-	-	-	-	-	-
2482	Nueces Bay	306	18276	-	-	-	-	14.19	-	14.19
2482		308	18278	-	-	-	-	-	-	-
2483	Redfish Bay	304	18274	-	-	-	-	-	-	-
2485	Oso Bay	313	18283	-	-	-	-	3.43	-	3.43
2491	Laguna Madre	315	18285	-	-	-	-	-	-	-
2491		316	18286	-	-	-	-	-	-	-
2491		317	18287	-	-	0.78	1.21	-	-	1.99
2491		323	18293	-	-	-	-	-	-	-
2491		324	18294	-	-	-	-	-	-	-
2491		325	18295	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	318	18288	-	-	-	-	-	-	-
2492	Cayo del Grullo/Laguna Salada	319	18289	-	-	-	-	-	-	-
2492		320	18290	-	-	-	-	-	-	-
2492		321	18291	-	-	-	-	-	-	-
2492		322	18292	-	-	-	-	-	-	-

Table 6.10.3. Sediment concentrations (ng/g or ppb) of 13 Chlorinated Pesticides (Aldrin, Alpha-Chlordane, Dieldrin, Endosulfan I, Endosulfan sulfate, Endrin, Heptachlor, Heptachlor epoxide, Hexachlorobenzene, Lindane (gamma-BHC), Mirex, Toxaphene, and Trans-Nonachlor) other than DDT at RCAP 2003 sampling sites were all below detectable reporting limits.

Segment	Segment Name	CCS ID	TCEQ ID	Chlorinated Pesticides
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-
2471	Aransas Bay	298	18268	-
2471		299	18269	-
2471		300	18270	-
2471		301	18271	-
2471		302	18272	-
2471		303	18273	-
2471		305	18275	-
2472	Copano/Port/Mission Bays	296	18226	-
2472		297	18267	-
2481	Corpus Christi Bay	307	18277	-
2481		309	18279	-
2481		310	18280	-
2481		311	18281	-
2481		312	18282	-
2481		314	18284	-
2482	Nueces Bay	306	18276	-
2482		308	18278	-
2483	Redfish Bay	304	18274	-
2485	Oso Bay	313	18283	-
2491	Laguna Madre	315	18285	-
2491		316	18286	-
2491		317	18287	-
2491		323	18293	-
2491		324	18294	-
2491		325	18295	-
2492	Baffin Bay/Alazan Bay	318	18288	-
2492	Cayo del Grullo/Laguna Salada	319	18289	-
2492		320	18290	-
2492		321	18291	-
2492		322	18292	-

Table 6.10.4. Sediment concentrations (ng/g or ppb) of 23 PAH's at RCAP 2003 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/Hynes/Guadalupe Bays	295	18266	-	-	-	-	-	-	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-	-	-	-	-	-	-
2471	Aransas Bay	298	18268	-	-	-	-	-	-	-
2471		299	18269	-	-	-	-	-	-	-
2471		300	18270	-	-	-	17.96	-	-	17.55
2471		301	18271	-	-	-	-	-	-	-
2471		302	18272	-	-	-	-	-	-	-
2471		303	18273	-	-	-	-	-	-	-
2471		305	18275	-	-	-	-	-	-	-
2472	Copano/Port/Mission Bays	296	18226	-	-	0.98	-	-	-	-
2472		297	18267	-	-	5.46	5.43	-	-	10.05
2481	Corpus Christi Bay	307	18277	-	-	-	-	-	-	-
2481		309	18279	-	-	-	6.67	-	-	8.64
2481		310	18280	-	-	-	-	-	-	-
2481		311	18281	-	-	-	-	-	-	-
2481		312	18282	-	-	-	-	-	-	-
2481		314	18284	-	-	-	-	-	-	-
2482	Nueces Bay	306	18276	-	-	-	-	-	-	-
2482		308	18278	-	-	-	-	-	-	-
2483	Redfish Bay	304	18274	-	-	-	-	-	-	-
2485	Oso Bay	313	18283	-	-	25.85	48.06	6.14	-	44.74
2491	Laguna Madre	315	18285	-	-	-	-	-	-	-
2491		316	18286	-	-	-	-	-	-	-
2491		317	18287	-	-	-	-	-	-	-
2491		323	18293	-	-	-	-	-	-	-
2491		324	18294	-	-	-	-	-	-	-
2491		325	18295	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	318	18288	-	-	-	-	-	-	-
2492	Cayo del Grullo/Laguna Salada	319	18289	-	-	-	-	-	-	-
2492		320	18290	-	-	-	-	-	-	-
2492		321	18291	-	-	-	-	-	-	-
2492		322	18292	-	-	-	-	-	-	-

Table 6.10.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	fluoranthene	benzo(b)fluoranthene	benzo(k)fluoranthene	fluorene	naphthalene	1-methylnaphthalene
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	-	-	-	-	-	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-	-	-	-	-	-
2471	Aransas Bay	298	18268	-	-	-	-	-	-
2471		299	18269	-	-	-	-	-	-
2471		300	18270	-	-	-	-	-	-
2471		301	18271	-	-	-	-	-	-
2471		302	18272	-	-	-	-	-	-
2471		303	18273	-	-	-	-	-	-
2471		305	18275	-	-	-	-	1.87	-
2472	Copano/Port/Mission Bays	296	18226	1.26	-	-	-	1.09	1.76
2472		297	18267	14.94	-	-	-	-	-
2481	Corpus Christi Bay	307	18277	-	-	-	-	-	-
2481		309	18279	10.66	-	-	-	-	-
2481		310	18280	3.52	-	-	-	-	-
2481		311	18281	1.05	-	-	-	-	-
2481		312	18282	-	-	-	-	-	-
2481		314	18284	3.70	-	-	-	-	-
2482	Nueces Bay	306	18276	11.72	-	-	-	-	-
2482		308	18278	-	-	-	-	-	-
2483	Redfish Bay	304	18274	-	-	-	-	-	-
2485	Oso Bay	313	18283	111.04	43.93	31.73	-	-	-
2491	Laguna Madre	315	18285	-	-	-	-	-	-
2491		316	18286	-	-	-	-	-	-
2491		317	18287	-	-	-	-	-	-
2491		323	18293	-	-	-	-	-	-
2491		324	18294	-	-	-	-	-	-
2491		325	18295	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	318	18288	5.58	-	-	-	-	-
2492	Cayo del Grullo/Laguna Salada	319	18289	-	-	-	-	-	-
2492		320	18290	-	-	-	-	-	-
2492		321	18291	-	-	-	-	-	-
2492		322	18292	-	-	-	-	-	-

Table 6.10.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	2-methylnaphthalene	2,6-dimethylnaphthalene	2,3,5-trimethylnaphthalene	phenanthrene	1-methylphenanthrene
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	-	-	-	-	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-	-	-	-	-
2471	Aransas Bay	298	18268	-	-	-	-	-
2471		299	18269	-	-	-	-	-
2471		300	18270	-	-	-	-	-
2471		301	18271	-	-	-	-	-
2471		302	18272	-	-	-	-	-
2471		303	18273	-	-	-	-	-
2471		305	18275	-	-	-	-	-
2472	Copano/Port/Mission Bays	296	18226	1.19	-	-	1.51	-
2472		297	18267	2.95	-	-	8.21	-
2481	Corpus Christi Bay	307	18277	-	-	-	-	-
2481		309	18279	-	-	-	3.78	-
2481		310	18280	-	-	-	-	-
2481		311	18281	-	-	-	-	-
2481		312	18282	-	-	-	-	-
2481		314	18284	1.38	-	-	2.21	-
2482	Nueces Bay	306	18276	-	-	-	-	-
2482		308	18278	-	-	-	-	-
2483	Redfish Bay	304	18274	-	-	-	-	-
2485	Oso Bay	313	18283	-	-	-	61.26	-
2491	Laguna Madre	315	18285	-	-	-	-	-
2491		316	18286	-	-	-	-	-
2491		317	18287	-	-	-	-	-
2491		323	18293	-	-	-	-	-
2491		324	18294	-	-	-	-	-
2491		325	18295	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	318	18288	-	-	-	-	-
2492	Cayo del Grullo/Laguna Salada	319	18289	-	-	-	-	-
2492		320	18290	-	-	-	-	-
2492		321	18291	-	-	-	-	-
2492		322	18292	-	-	-	-	-

Table 6.10.4. (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/Hynes/Guadalupe Bays	295	18266	-	-	-	-	-	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-	-	-	-	-	-
2471	Aransas Bay	298	18268	-	-	-	-	-	-
2471		299	18269	-	-	-	-	-	-
2471		300	18270	-	-	-	-	-	35.51
2471		301	18271	-	-	-	-	-	-
2471		302	18272	-	-	-	-	-	-
2471		303	18273	-	-	-	-	-	-
2471		305	18275	-	-	-	-	-	1.87
2472	Copano/Port/Mission Bays	296	18226	-	-	2.67	-	-	10.46
2472		297	18267	-	9.55	-	-	-	56.59
2481	Corpus Christi Bay	307	18277	-	-	-	-	-	-
2481		309	18279	-	10.06	-	-	-	39.81
2481		310	18280	-	2.22	-	-	-	5.74
2481		311	18281	-	1.14	-	-	-	2.19
2481		312	18282	-	-	-	-	-	-
2481		314	18284	-	2.82	-	-	-	10.11
2482	Nueces Bay	306	18276	-	14.34	-	-	-	26.06
2482		308	18278	-	-	-	-	-	-
2483	Redfish Bay	304	18274	-	-	-	-	-	-
2485	Oso Bay	313	18283	24.56	68.07	26.20	21.70	-	513.28
2491	Laguna Madre	315	18285	-	-	-	-	-	-
2491		316	18286	-	-	-	-	-	-
2491		317	18287	-	-	-	-	-	-
2491		323	18293	-	-	-	-	-	-
2491		324	18294	-	-	-	-	-	-
2491		325	18295	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	318	18288	-	-	-	-	-	5.58
2492	Cayo del Grullo/Laguna Salada	319	18289	-	-	-	-	-	-
2492		320	18290	-	-	-	-	-	-
2492		321	18291	-	-	-	-	-	-
2492		322	18292	-	-	-	-	-	-

6.11 Sediment Toxicity

Table 6.11.1. RCAP 2003 toxicity results and unionized ammonia concentrations in sediment toxicity tests conducted with the amphipods, *Ampelisca abdita* and *Leptocheirus plumulosus*.

Ampelisca abdita

Sample ID	Rep Number (Alive Amphipods)					Mean Number Alive	Mean % Survival	% of Cont.	% of Ref.	Significantly different Cont.	Significantly different Ref.	Day 10 NH ₃
	1	2	3	4	5							
Control	20	18	17	17	18	18.0	90.0					7.9
Control	16	20	20	19	19	18.8	94.0					6.3
Control ^b	16	20	18	19	17	18.0	90.0					5.0
Reference	18	17	17	18	17	17.4	87.0					47.3
Reference	12	19	13	14	14	14.4	72.0					35.5
Reference ^b	16	19	17	17	16	17.0	85.0					59.1
295 ^b	15	14	18	14	18	15.8	79.0	87.8	92.9			6.3
296	16	18	12	17	17	16.0	80.0	85.1	111.1			5.0
297	17	15	15	12	9	13.6	68.0	72.3	94.4	***		5.0
298	13	13	13	13	14	13.2	66.0	70.2	91.7	***		6.3
299	19	19	17	20	18	18.6	93.0	103.3	106.9			12.2
300	14	14	14	17	15	14.8	74.0	78.7	102.8	**		6.3
301	20	12	16	14	15	15.4	77.0	81.9	106.9			7.9
302	18	18	14	19	16	17.0	85.0	90.4	118.1			12.2
303	12	15	18	19	17	16.2	81.0	86.2	112.5			18.3
304	9	18	15	14	16	14.4	72.0	76.6	100.0	**		12.2
305	19	14	14	17	15	15.8	79.0	84.0	109.7			9.8
306 b	19	17	16	18	20	18.0	90.0	100.0	105.9			9.8
307 b	17	20	17	19	17	18.0	90.0	100.0	105.9			6.3
308 b	13	18	15	13	17.3 ^b	14.8	73.8	81.9	86.8			79.4
309	16	17	17	17	17	16.8	84.0	93.3	96.6			6.3
310	18	14	17	16	15	16.0	80.0	88.9	92.0			7.9
311	14	15	17	18	14	15.6	78.0	86.7	89.7			6.3
312	19	15	18	18	17	17.4	87.0	96.7	100.0			6.3
313	12	18	17	17	14	15.6	78.0	86.7	89.7			36.6
314 b	16	17	18	17	17	17.0	85.0	94.4	100.0			9.8

Table 6.11.1. (continued).

Ampelisca abdita

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.	
315 b	17	15	12	12	7	12.6	63.0	70.0	74.1	***	**	134.0
316 b	17	14	15	10	13	13.8	69.0	76.7	81.2	***	**	106.4
317 b	15	17	17	18	17	16.8	84.0	93.3	98.8			7.9
318	17	14	13	19	12	15.0	75.0	83.3	86.2			6.3
319	20	18	20	17	18	18.6	93.0	103.3	106.9			7.9
320	16	15	20	19	18	17.6	88.0	93.6	122.2			7.9
321	20	14	18	13	17	16.4	82.0	91.1	94.3			152.2
322	18	18	15	14	17	16.4	82.0	91.1	94.3			167.0
323	18	19	17	18	18	18.0	90.0	95.7	125.0			44.2
324	19	15	17	16	19	17.2	86.0	91.5	119.4			91.6
325	13	16	14	16	14	14.6	73.0	77.7	101.4	**		67.2
326	16	12	14	17	14	14.6	73.0	81.1	83.9	**		6.3

Leptocheirus plumulosus

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.	
Control	20	20	20	20	20	20.0	100.0					
Reference	20	19	19	20	20	19.6	98.0					
298	20	19	19	20	19	19.4	97.0	97.0	99.0			
304	20	20	20	20	17	19.4	97.0	97.0	99.0			
306	20	20	19	20	20	19.8	99.0	99.0	101.0			

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

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

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

^a Test on Site 295 was a rerun of an earlier test performed due to poor control survival

^b Replicate 5 of Site 308 started with 30 organisms. Final number was normalized to an initial 20 for comparability.

Table 6.11.2. Spearman rank correlation coefficients between concentrations of chemicals in the sediment and amphipod survival, or chemicals and % Silt-Clay. Only chemicals for which at least one sediment sample had a value above detection are included. 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
2,4'-DDE	0.000	1.0000	0.301	0.0935
4,4'-DDE	0.126	0.4915	-0.087	0.6345
4,4'-DDD	0.097	0.5960	-0.263	0.1465
2,4'-DDT	0.097	0.5960	-0.263	0.1465
Total DDT	0.147	0.4220	-0.058	0.7510
Total PCB	0.275	0.1274	-0.033	0.8569
naphthalene	-0.029	0.8754	0.001	0.9962
1-methylnaphthalene	0.000	1.0000	0.302	0.0935
2-methylnaphthalene	-0.085	0.6427	0.214	0.2400
phenanthrene	-0.068	0.7130	0.114	0.5356
anthracene	-0.206	0.2579	0.146	0.4263
fluoranthene	-0.034	0.8534	0.255	0.1588
Pyrene	0.036	0.8449	0.090	0.6255
benzo(a)anthracene	-0.199	0.2743	0.112	0.5430
Chrysene	-0.211	0.2463	0.114	0.5430
benzo(b)fluoranthene	-0.078	0.6717	-0.302	0.0935
benzo(k)fluoranthene	-0.078	0.6717	-0.302	0.0935
benzo(a)pyrene	-0.058	0.7537	-0.014	0.9414
benzo(g,h,i)perylene	-0.078	0.6717	-0.302	0.0935
dibenz(a,h)anthracene	-0.078	0.6717	-0.302	0.0935
indeno(1,2,3-cd)pyrene	-0.078	0.6717	-0.302	0.0935
Total PAH	-0.100	0.5858	0.211	0.2470
Ag	-0.236	0.1929	0.081	0.6587
Al	0.154	0.3997	0.784	<0.0001
As	0.004	0.9825	0.780	<0.0001
Cd	0.138	0.4521	0.650	<0.0001
Cr	0.035	0.8497	0.727	<0.0001
Cu	0.118	0.5213	0.714	<0.0001

Table 6.11.2. (continued).

Chemical	Toxicity r ²	p	Silt-Clay r ²	p
Fe	0.084	0.6496	0.765	<0.0001
Hg	0.195	0.2841	0.706	<0.0001
Mn	0.020	0.9151	0.658	<0.0001
Ni	0.036	0.8431	0.668	<0.0001
Pb	0.081	0.6583	0.821	<0.0001
Sb	-0.024	0.8968	0.645	<0.0001
Se	0.178	0.3301	0.438	0.0123
Sn	0.208	0.2531	0.739	<0.0001
Zn	0.172	0.3452	0.714	<0.0001
% TOC	0.019	0.9190	0.672	<0.0001
% Gravel	-0.100	0.5842	-0.533	0.0017
% Sand	-0.125	0.4963	-0.974	<0.0001
% Clay	0.120	0.5110	-	-
% Silt	0.198	0.2760	-	-
% Silt-Clay	0.149	0.4157	-	-

6.12 Fish species analyzed for Trace Metals and Organics in Tissue Monitoring

Table 6.12.1. List of fish species analyzed for whole body tissue monitoring at 27 of 32 RCAP 2003 sampling sites. Missing sites (5) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1.

Segment	Segment Name	CCS ID	TCEQ ID	<i>Micropogonias undulatus</i> (Atlantic Croaker)	<i>Leiostomus xanthurus</i> (Spot)	<i>Arius felis</i> (Hardhead Catfish)	<i>Lagodon rhomboides</i> (Pinfish)
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	295	18266				
2463	Mesquite Bay/Carlos Bay/Ayres Bay	326	18296				
2471	Aransas Bay	298	18268				
2471		300	18270				
2471		301	18271				
2471		302	18272				
2471		303	18273				
2471		305	18275				
2472	Copano Bay/Port Bay/Mission Bay	296	18226				
2472		297	18267				
2481	Corpus Christi Bay	307	18277				
2481		309	18279				
2481		310	18280				
2481		311	18281				
2481		312	18282				
2481		314	18284				
2482	Nueces Bay	306	18276				
2482		308	18278				
2491	Laguna Madre	315	18285				
2491		316	18286				
2491		317	18287				
2491		323	18293				
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	318	18288				
2492		319	18289				
2492		320	18290				
2492		321	18291				
2492		322	18292				

6.13 Trace Metals in Tissue – Individual Concentrations (mg/kg or ppm wet weight)

Table 6.13.1. Trace metal concentrations (mg/kg or ppm wet weight) in tissue (whole body) for 27 of 32 RCAP 2003 sampling sites. Missing sites (5) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1. Shaded value exceeded applicable TCEQ/TDSHS Tidal Water screening levels for: As = 3.00 (inorganic arsenic estimated as 10% of total arsenic), Cd = 0.50, Cr = 100.00, Cu = 40.00, Hg = 0.70, Pb = 8.33 and Se = 2.0. Shaded value exceeded EPA NCCR II screening values (inorganic arsenic estimated at 2.0% of total arsenic) or fell within the noncancer concentration range (see Table 5.2). No value (-) indicates concentration below the reporting limit indicated 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	295	18266	-	44	-	-	0.40	-	38	0.01	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	326	18296	-	107	-	-	0.50	-	61	0.01	-	-	-	-	-
2471	Aransas Bay	298	18268	-	53	-	-	0.50	-	45	0.12	-	0.51	-	-	-
2471		300	18270	-	126	-	-	1.10	-	105	0.01	0.44	0.22	-	-	-
2471		301	18271	-	112	6.90	-	18.90	1.06	173	0.04	8.26	0.25	1.14	-	177
2471		302	18272	-	103	-	-	0.80	-	64	0.01	-	-	-	-	-
2471		303	18273	-	-	4.50	-	5.80	-	47	0.10	2.53	0.15	-	-	148
2471		305	18275	-	20	3.10	-	2.30	-	37	0.08	1.37	0.26	-	-	100
2472	Copano Bay/Port Bay/Mission Bay	296	18226	-	39	5.20	-	0.70	1.51	35	0.03	0.22	-	-	-	101
2472		297	18267	-	16	-	-	0.60	-	-	0.03	-	-	-	0.10	107
2481	Corpus Christi Bay	307	18277	-	92	-	-	0.40	-	60	0.01	-	0.51	-	-	-
2481		309	18279	-	77	4.40	0.07	1.50	-	77	0.03	0.41	0.36	1.11	-	239
2481		310	18280	-	193	-	-	0.70	-	118	0.03	0.23	0.29	-	-	-
2481		311	18281	-	14	-	-	1.70	-	41	0.02	0.48	-	1.17	-	158
2481		312	18282	-	29	6.10	-	2.90	-	48	0.04	1.15	0.12	1.03	-	154
2481		314	18284	-	158	-	-	2.00	1.10	94	0.03	0.73	0.21	-	-	21
2482	Nueces Bay	306	18276	-	61	-	-	3.60	-	60	0.05	1.57	0.33	-	-	-
2482		308	18278	-	12	5.50	-	4.00	-	39	0.12	1.72	0.28	-	-	161
2491	Laguna Madre	315	18285	-	43	2.50	-	1.00	-	39	0.03	0.30	0.18	-	-	22
2491		316	18286	-	21	-	-	2.30	1.19	-	0.04	0.97	0.41	-	-	21
2491		317	18287	-	55	2.50	-	1.00	-	35	0.02	0.29	0.10	-	-	24
2491		323	18293	-	61	2.50	-	1.50	-	47	0.03	0.67	-	-	-	20
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	318	18288	-	73	2.90	-	0.90	-	51	0.02	0.21	-	-	-	-
2492		319	18289	-	16	4.90	-	0.80	-	44	0.46	-	1.74	-	-	140
2492		320	18290	-	48	3.00	-	0.80	-	32	0.01	0.30	-	-	-	-
2492		321	18291	-	25	15.60	-	0.60	-	30	0.13	-	0.56	-	-	83
2492		322	18292	-	47	-	-	0.50	-	31	0.01	-	-	-	-	13

6.14 Tissue Organics – Individual Concentrations (ng/g or ppb wet weight)

Table 6.14.1. Tissue concentrations (ng/g or ppb) of 5 of 20 PCB congeners (PCB’s 18, 18, 28, 44, 66, 77, 101, 105, 118, 126, 128, 138, 170, 195, and 206 values were < reporting limit) at 27 of 32 RCAP 2003 sampling sites. Missing sites (5) 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	52	153	180	187	209	Total PCB
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	295	18266	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	326	18296	-	-	-	-	-	-
2471	Aransas Bay	298	18268	-	-	-	-	-	-
2471		300	18270	-	-	-	-	-	-
2471		301	18271	-	-	-	-	-	-
2471		302	18272	-	-	-	-	-	-
2471		303	18273	-	-	-	-	-	-
2471		305	18275	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	296	18226	-	-	-	-	-	-
2472		297	18267	4.51	9.07	3.29	1.71	0.95	19.53
2481	Corpus Christi Bay	307	18277	-	-	-	-	-	-
2481		309	18279	-	-	-	-	-	-
2481		310	18280	-	-	-	-	-	-
2481		311	18281	-	-	-	-	-	-
2481		312	18282	-	-	-	-	-	-
2481		314	18284	-	-	-	-	-	-
2482	Nueces Bay	306	18276	-	-	-	-	-	-
2482		308	18278	-	-	-	-	-	-
2491	Laguna Madre	315	18285	-	-	-	-	-	-
2491		316	18286	-	-	-	-	-	-
2491		317	18287	-	-	-	-	-	-
2491		323	18293	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	318	18288	-	-	-	-	-	-
2492		319	18289	-	-	-	-	-	-
2492		320	18290	-	-	-	-	-	-
2492		321	18291	-	-	-	-	-	-
2492		322	18292	-	-	-	-	-	-

Table 6.14.2. Tissue concentrations of DDD, DDE, and DDT (ng/g or ppb) at 27 of 32 RCAP 2003 sampling sites. Missing sites (5) 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	295	18266	-	-	-	-	-	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	326	18296	-	-	-	-	-	-	-
2471	Aransas Bay	298	18268	-	-	-	6.84	-	-	6.84
2471		300	18270	-	-	-	-	-	-	-
2471		301	18271	-	-	-	-	-	-	-
2471		302	18272	-	-	-	-	-	-	-
2471		303	18273	-	-	-	-	-	-	-
2471		305	18275	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	296	18226	-	-	-	-	-	-	-
2472		297	18267	-	-	-	-	-	-	-
2481	Corpus Christi Bay	307	18277	-	-	-	-	-	-	-
2481		309	18279	-	-	-	-	-	-	-
2481		310	18280	-	-	-	-	-	-	-
2481		311	18281	-	-	-	-	-	-	-
2481		312	18282	-	-	-	-	-	-	-
2481		314	18284	-	-	-	-	-	-	-
2482	Nueces Bay	306	18276	-	-	-	-	-	-	-
2482		308	18278	-	-	-	-	-	-	-
2491	Laguna Madre	315	18285	-	-	-	-	-	-	-
2491		316	18286	-	-	-	-	-	-	-
2491		317	18287	-	-	-	-	-	-	-
2491		323	18293	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	318	18288	-	-	-	-	-	-	-
2492		319	18289	-	-	-	-	-	-	-
2492		320	18290	-	-	-	-	-	-	-
2492		321	18291	-	-	-	-	-	-	-
2492		322	18292	-	-	-	-	-	-	-

Table 6.14.3. Tissue concentrations (ng/g or ppb) of 12 of 13 Chlorinated Pesticides (Aldrin, Alpha-Chlordane, Dieldrin, Endosulfan I, Endosulfan sulfate, Endrin, Heptachlor, Heptachlor epoxide, Hexachlorobenzene, Lindane (gamma-BHC), Mirex, and Toxaphene, other than DDT at 27 of 32 RCAP 2003 sampling sites were all below the reporting limit. Missing sites (5) 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	Trans-nonachlor	Total Chlorinated Pesticides
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	295	18266	-	-
2463	Mesquite Bay/Carlos Bay/Ayres Bay	326	18296	-	-
2471	Aransas Bay	298	18268	-	-
2471		300	18270	-	-
2471		301	18271	-	-
2471		302	18272	-	-
2471		303	18273	-	-
2471		305	18275	-	-
2472	Copano Bay/Port Bay/Mission Bay	296	18226	-	-
2472		297	18267	2.58	2.58
2481	Corpus Christi Bay	307	18277	-	-
2481		309	18279	-	-
2481		310	18280	-	-
2481		311	18281	-	-
2481		312	18282	-	-
2481		314	18284	-	-
2482	Nueces Bay	306	18276	-	-
2482		308	18278	-	-
2491	Laguna Madre	315	18285	-	-
2491		316	18286	-	-
2491		317	18287	-	-
2491		323	18293	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	318	18288	-	-
2492		319	18289	-	-
2492		320	18290	-	-
2492		321	18291	-	-
2492		322	18292	-	-

Table 6.14.4. Tissue concentrations (ng/g or ppb) of 23 PAH's at 27 of 32 RCAP 2003 sampling sites were all below detectable reporting limits. Missing sites (5) reflect no trawls taken due to shallow water or no specimens collected as indicated in Table 6.1.1

Segment	Segment Name	CCS ID	TCEQ ID	PAH's
2462	San Antonio/Hynes/Guadalupe Bays	295	18266	-
2463	Mesquite/Carlos/Ayres Bays	326	18296	-
2471	Aransas Bay	298	18268	-
2471		299	18269	-
2471		300	18270	-
2471		301	18271	-
2471		302	18272	-
2471		303	18273	-
2471		305	18275	-
2472	Copano/Port/Mission Bays	296	18226	-
2472		297	18267	-
2481	Corpus Christi Bay	307	18277	-
2481		309	18279	-
2481		310	18280	-
2481		311	18281	-
2481		312	18282	-
2481		314	18284	-
2482	Nueces Bay	306	18276	-
2482		308	18278	-
2483	Redfish Bay	304	18274	-
2485	Oso Bay	313	18283	-
2491	Laguna Madre	315	18285	-
2491		316	18286	-
2491		317	18287	-
2491		323	18293	-
2491		324	18294	-
2491		325	18295	-
2492	Baffin Bay/Alazan Bay	318	18288	-
2492	Cayo del Grullo/Laguna Salada	319	18289	-
2492		320	18290	-
2492		321	18291	-
2492		322	18292	-