

6.0 DATA TABLES

6.1 Sampling Site Information

Table 6.1.1. RCAP 2004 sampling site (32) information, sample type, and sampling date. **Sample Types:** FD = Field Data, RC = Routine Conventional Water Chemistry, M = Microbiological, TMSSED = Trace Metals-Sediment, SEDORG = Sediment Organics, SEDTOX = Sediment Toxicology, TISORG = Tissue Organics, TMTIS = Trace Metals-Tissue, BEN = Benthic Cores.

Segment Number	Segment Name	CCS ID	TCEQ ID	Sample Type	Sampling Date	Latitude (dd)	Longitude (dd)	Depth (m)
2471	Aransas Bay	337	18607	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/27/2004	28.07500	97.00833	2.85
		340	18610	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/27/2004	27.92500	97.02500	2.30
		341	18270	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/27/2004	28.02500	97.00833	3.50
		344	18613	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/27/2004	28.04167	96.95833	3.10
		353	18620	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/27/2004	27.97500	97.00833	3.50
2472	Copano Bay/Port Bay/Mission Bay	332	18602	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/26/2004	28.04167	97.15833	1.55
		338	18608	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/26/2004	28.12926	97.13891	2.10
		343	18612	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/26/2004	28.12500	97.15833	1.75
		356	18623	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/26/2004	28.17500	97.02500	2.20
		357	18624	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/26/2004	28.09167	97.09167	2.40
2481	Corpus Christi Bay	333	18603	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.72500	97.25833	4.50
		339	18609	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.70833	97.29167	1.00
		346	18614	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.80833	97.19167	2.75
		348	18616	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.72500	97.20833	4.45
		350	18618	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.75496	97.33736	4.50
		351	17758	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.80833	97.30833	4.50
		354	18621	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.79167	97.35833	4.15
		355	18622	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/04/2004	27.74167	97.17500	3.85
2482	Nueces Bay	331	18601	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/03/2004	27.87983	97.49577	1.05
		349	18617	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/03/2004	27.86563	97.42309	1.72
		352	18619	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/03/2004	27.84167	97.44167	1.72
2483	Redfish Bay	328	18236	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/03/2004	27.85833	97.12500	2.55
2485	Oso Bay	330	18600	FD, RC, M, TMSSED, SEDORG, SEDTOX, BEN	08/11/2004	27.69000	97.29997	0.70
2491	Laguna Madre	335	18605	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/09/2004	27.52500	97.32500	1.55
		347	18615	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	08/09/2004	27.47500	97.34167	1.55
2492	Baffin Bay/Alazan Bay	327	18598	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/21/2004	27.27130	97.70459	1.35
	Cayo del Grullo/Laguna Salada	329	18599	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/21/2004	27.27500	97.64167	1.10
		334	18604	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/20/2004	27.32231	97.55703	1.10
		336	18606	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/21/2004	27.35084	97.69093	1.10
		342	18611	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/20/2004	27.27500	97.55833	2.20
		345	18260	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/20/2004	27.25833	97.49167	2.10
		358	18625	FD, RC, M, TMSSED, SEDORG, SEDTOX, TISORG, TMTIS, BEN	07/21/2004	27.33771	97.67424	1.65

**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 2004 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.

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)
2471	Aransas Bay	337	18607	16297	6.75	94.70	8.41	9.47	0.60	2.85	7.61	30.38
		340	18610	41751	7.05	110.00	8.23	26.60	0.65	2.30	5.65	30.97
		341	18270	23310	6.90	99.60	8.27	13.99	0.70	3.50	8.03	30.51
		344	18613	25268	6.57	94.30	8.25	15.29	0.70	3.10	6.56	29.84
		353	18620	26362	7.37	108.80	8.37	16.01	0.85	3.50	4.19	30.83
2472	Copano Bay/Port Bay/Mission Bay	332	18602	4647	6.55	87.80	8.62	2.46	0.20	1.55	50.89	29.38
		338	18608	3952	7.46	101.70	8.47	2.63	0.25	2.10	43.25	30.91
		343	18612	3479	6.91	92.50	8.37	1.81	0.20	1.75	66.47	30.12
		356	18623	8779	7.54	104.90	8.39	4.85	0.30	2.20	28.65	31.35
		357	18624	4569	6.92	93.60	8.43	2.42	0.25	2.40	49.57	30.42
2481	Corpus Christi Bay	333	18603	42546	5.31	83.40	8.26	27.16	0.85	4.50	3.91	31.32
		339	18609	42486	6.27	99.10	8.27	27.08	0.55	1.00	7.26	31.62
		346	18614	46097	5.78	91.90	8.21	29.71	0.65	2.75	7.82	31.26
		348	18616	44769	5.17	81.60	8.18	28.76	1.00	4.45	3.42	31.14
		350	18618	40322	6.39	100.60	8.29	25.56	0.95	4.50	3.56	32.15
		351	17758	38112	6.78	106.20	8.33	24.19	0.65	4.50	4.96	32.06
		354	18621	38101	6.89	107.90	8.33	23.98	0.90	4.15	4.40	32.31
		355	18622	45118	5.58	88.20	8.18	29.02	0.95	3.85	3.21	30.97
2482	Nueces Bay	331	18601	5359	7.72	105.10	9.00	2.86	0.30	1.05	25.17	30.75
		349	18617	17735	6.63	93.70	8.38	10.38	0.45	1.72	10.75	30.33
		352	18619	7789	7.78	107.10	8.80	4.27	0.35	1.72	16.81	30.98
2483	Redfish Bay	328	18236	47860	5.46	87.50	8.36	30.99	0.75	2.55	6.42	31.26
2485	Oso Bay	330	18600	49008	4.55	71.20	8.19	31.91	0.20	0.70	56.78	29.85
2491	Laguna Madre	335	18605	50825	5.83	94.20	8.47	33.16	0.90	1.55	3.98	31.07
		347	18615	51251	6.00	96.40	8.78	33.49	1.00	1.55	4.33	30.62
2492	Baffin Bay/Alazan Bay	327	18598	24758	4.47	65.10	8.52	14.96	0.25	1.35	19.11	30.46
	Cayo del Grullo/Laguna Salada	329	18599	26346	4.51	64.90	8.00	16.03	0.40	1.10	16.18	29.32
		334	18604	26487	6.51	95.80	8.42	16.09	0.30	1.10	43.53	31.12
		336	18606	22808	6.05	86.50	8.17	13.67	0.30	1.10	36.30	30.03
		342	18611	29696	6.22	91.60	8.41	18.26	0.50	2.20	8.93	30.42
		345	18260	33047	5.69	84.10	8.41	20.55	0.70	2.10	6.35	29.84
		358	18625	24222	6.08	88.20	8.24	14.59	0.25	1.65	25.73	30.56

Table 6.2.2. Near-bottom Field Parameter concentrations recorded 0.50 m off-bottom at RCAP 2004 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.

Segment	Segment Name	CCS ID	TCEQ ID	Cond. (µmhos)	DO (mg/L)	DO Sat. (%)	pH (su)	Salinity	Total Depth (m)	Turbidity (NTU)	Water Temp (°C)
2471	Aransas Bay	337	18607	31829	2.09	32.40	7.99	19.85	2.85	16.88	30.86
		340	18610	53546	5.33	86.70	8.01	35.17	2.30	32.83	30.82
		341	18270	34322	2.63	39.70	8.05	21.45	3.50	24.20	30.92
		344	18613	33545	2.94	43.80	8.06	20.88	3.10	38.11	30.34
		353	18620	34212	5.35	80.60	8.21	21.36	3.50	36.02	30.49
2472	Copano Bay/Port Bay/Mission Bay	332	18602	4647	6.55	87.60	8.63	2.46	1.55	47.14	29.89
		338	18608	4948	7.32	99.70	8.47	2.63	2.10	67.37	30.84
		343	18612	3478	6.89	92.30	8.38	1.81	1.75	66.95	30.14
		356	18623	8818	7.21	100.00	8.41	4.88	2.20	32.90	31.27
		357	18624	4568	6.91	93.20	8.57	2.41	2.40	47.21	30.44
2481	Corpus Christi Bay	333	18603	45138	1.44	23.50	7.92	29.02	4.50	7.12	31.32
		339	18609	42486	6.27	99.10	8.27	27.08	1.00	7.26	31.62
		346	18614	46111	5.74	91.40	8.22	29.73	2.75	8.10	31.28
		348	18616	46298	1.98	31.80	7.95	29.95	4.45	9.91	31.29
		350	18618	42994	5.40	85.40	8.22	27.48	4.50	14.79	31.38
		351	17758	46001	5.63	90.60	8.22	29.67	4.50	4.75	31.24
		354	18621	43373	5.49	86.40	8.22	27.77	4.15	7.54	31.36
		355	18622	45180	5.53	84.00	8.16	29.05	3.85	5.51	30.97
2482	Nueces Bay	331	18601	5359	7.72	105.10	9.00	2.86	1.05	25.17	30.75
		349	18617	19272	5.87	84.30	8.31	11.22	1.72	13.88	30.41
		352	18619	8144	7.43	102.10	8.73	4.50	1.72	17.65	30.64
2483	Redfish Bay	328	18236	51336	3.90	63.20	8.24	33.53	2.55	8.44	31.19
2485	Oso Bay	330	18600	49008	4.55	71.20	8.19	31.91	0.70	56.78	29.85
2491	Laguna Madre	335	18605	50901	5.69	91.50	8.43	33.23	1.55	6.91	30.83
		347	18615	51250	5.91	94.80	8.78	33.50	1.55	4.26	30.58
2492	Baffin Bay/Alazan Bay	327	18598	24758	4.47	65.10	8.52	14.96	1.35	19.11	30.46
	Cayo del Grullo/Laguna Salada	329	18599	26346	4.51	64.90	8.00	16.03	1.10	16.18	29.32
		334	18604	26487	6.51	95.80	8.42	16.09	1.10	43.53	31.12
		336	18606	22808	6.05	86.50	8.17	13.67	1.10	36.30	30.03
		342	18611	29701	5.93	87.40	8.40	18.26	2.20	13.67	30.34
		345	18260	35230	5.01	75.40	8.42	22.10	2.10	33.10	30.67
358	18625	24197	6.01	87.30	8.24	14.58	1.65	25.38	30.70		

**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 2004 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	2471	Aransas Bay	5	16297	41751	26598
(µmhos)	2472	Copano Bay/Port Bay/Mission Bay	5	3479	8779	5085
	2481	Corpus Christi Bay	8	38101	46097	42194
Near-Surface	2482	Nueces Bay	3	5359	17735	10294
(0.50 m below)	2483	Redfish Bay	1	-	-	47860
	2485	Oso Bay	1	-	-	49008
	2491	Laguna Madre	2	50825	51251	<b>51038</b>
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	22808	33047	26766
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Conductivity	2471	Aransas Bay	5	31829	53546	37491
(µmhos)	2472	Copano Bay/Port Bay/Mission Bay	5	3478	8818	5292
	2481	Corpus Christi Bay	8	42486	46298	44698
Near-Bottom	2482	Nueces Bay	3	5359	19272	10925
(0.50 above)	2483	Redfish Bay	1	-	-	<b>51336</b>
	2485	Oso Bay	1	-	-	49008
	2491	Laguna Madre	2	50901	51250	51076
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	22808	35230	27075

Table 6.3.2. Salinity near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2004 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	2471	Aransas Bay	5	9.47	26.60	16.27
	2472	Copano Bay/Port Bay/Mission Bay	5	1.81	4.85	2.83
	2481	Corpus Christi Bay	8	23.98	29.71	26.93
Near-Surface	2482	Nueces Bay	3	2.86	10.38	5.84
(0.50 m below)	2483	Redfish Bay	1	-	-	30.99
	2485	Oso Bay	1	-	-	31.91
	2491	Laguna Madre	2	33.16	33.49	<b>33.33</b>
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	13.67	20.55	16.31
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Salinity	2471	Aransas Bay	5	19.85	35.17	23.74
	2472	Copano Bay/Port Bay/Mission Bay	5	1.81	4.88	2.84
	2481	Corpus Christi Bay	8	27.08	29.95	28.72
Near-Bottom	2482	Nueces Bay	3	2.86	11.22	6.19
(0.50 above)	2483	Redfish Bay	1	-	-	<b>33.53</b>
	2485	Oso Bay	1	-	-	31.91
	2491	Laguna Madre	2	33.23	33.50	33.37
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	13.67	22.10	16.53

Table 6.3.3. Dissolved Oxygen (mg/L) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2004 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)	2471	Aransas Bay	5	6.57	7.37	6.93
	2472	Copano Bay/Port Bay/Mission Bay	5	6.55	7.54	7.08
Near-Surface (0.50 m below)	2481	Corpus Christi Bay	8	5.17	6.89	6.02
	2482	Nueces Bay	3	6.63	7.78	<b>7.38</b>
	2483	Redfish Bay	1	-	-	5.46
	2485	Oso Bay	1	-	-	4.55
	2491	Laguna Madre	2	5.83	6.00	5.92
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	4.47	6.51	5.65
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen (mg/L)	2471	Aransas Bay	5	2.09	5.35	3.67
	2472	Copano Bay/Port Bay/Mission Bay	5	6.55	7.32	6.98
Near-Bottom (0.50 above)	2481	Corpus Christi Bay	8	1.44	6.27	4.69
	2482	Nueces Bay	3	5.87	7.72	<b>7.01</b>
	2483	Redfish Bay	1	-	-	3.90
	2485	Oso Bay	1	-	-	4.55
	2491	Laguna Madre	2	5.69	5.91	5.80
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	4.47	6.51	5.50

Table 6.3.4. Dissolved Oxygen (% saturation) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2004 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen	2471	Aransas Bay	5	94.30	110.00	101.48
(% Saturation)	2472	Copano Bay/Port Bay/Mission Bay	5	87.80	104.90	96.10
	2481	Corpus Christi Bay	8	81.60	107.90	94.86
Near-Surface	2482	Nueces Bay	3	93.70	107.10	<b>101.97</b>
(0.50 m below)	2483	Redfish Bay	1	-	-	87.50
	2485	Oso Bay	1	-	-	71.20
	2491	Laguna Madre	2	94.20	96.40	95.30
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	64.90	95.80	82.31
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Dissolved Oxygen	2471	Aransas Bay	5	32.40	86.70	56.64
(% Saturation)	2472	Copano Bay/Port Bay/Mission Bay	5	87.60	100.00	94.56
	2481	Corpus Christi Bay	8	23.50	99.10	74.03
Near-Bottom	2482	Nueces Bay	3	84.30	105.10	<b>97.17</b>
(0.50 above)	2483	Redfish Bay	1	-	-	63.20
	2485	Oso Bay	1	-	-	71.20
	2491	Laguna Madre	2	91.50	94.80	93.15
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	64.90	95.80	80.34

Table 6.3.5. pH (su) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2004 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	2471	Aransas Bay	5	8.23	8.41	8.31
(su)	2472	Copano Bay/Port Bay/Mission Bay	5	8.37	8.62	8.46
	2481	Corpus Christi Bay	8	8.18	8.33	8.26
Near-Surface	2482	Nueces Bay	3	8.38	9.00	<b>8.73</b>
(0.50 m below)	2483	Redfish Bay	1	-	-	8.36
	2485	Oso Bay	1	-	-	8.19
	2491	Laguna Madre	2	8.47	8.78	8.63
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	8.00	8.52	8.31
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
pH	2471	Aransas Bay	5	7.99	8.21	8.06
(su)	2472	Copano Bay/Port Bay/Mission Bay	5	8.38	8.63	8.49
	2481	Corpus Christi Bay	8	7.92	8.27	8.15
Near-Bottom	2482	Nueces Bay	3	8.31	9.00	<b>8.68</b>
(0.50 m above)	2483	Redfish Bay	1	-	-	8.24
	2485	Oso Bay	1	-	-	8.19
	2491	Laguna Madre	2	8.43	8.78	8.61
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	8.00	8.52	8.31

Table 6.3.6. Turbidity (NTU) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2004 sampling sites. At sites where water depth is shallow, the near-surface and near-bottom values are the same. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Turbidity	2471	Aransas Bay	5	4.19	8.03	6.41
(NTU)	2472	Copano Bay/Port Bay/Mission Bay	5	28.65	66.47	47.77
	2481	Corpus Christi Bay	8	3.21	7.82	4.82
Near-Surface	2482	Nueces Bay	3	10.75	25.17	17.58
(0.50 m below)	2483	Redfish Bay	1	-	-	6.42
	2485	Oso Bay	1	-	-	<b>56.78</b>
	2491	Laguna Madre	2	3.98	4.33	4.16
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	6.35	43.53	22.30
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Turbidity	2471	Aransas Bay	5	16.88	38.11	29.61
(NTU)	2472	Copano Bay/Port Bay/Mission Bay	5	32.90	67.37	52.31
	2481	Corpus Christi Bay	8	4.75	14.79	8.12
Near-Bottom	2482	Nueces Bay	3	13.88	25.17	18.90
(0.50 m above)	2483	Redfish Bay	1	-	-	8.44
	2485	Oso Bay	1	-	-	<b>56.78</b>
	2491	Laguna Madre	2	4.26	6.91	5.59
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	13.67	43.53	26.75

Table 6.3.7. Water Temperature (°C) near-surface and near-bottom summary statistics, listed by TCEQ Segment for RCAP 2004 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	2471	Aransas Bay	5	29.84	30.97	30.51
(°C)	2472	Copano Bay/Port Bay/Mission Bay	5	29.38	31.35	30.44
	2481	Corpus Christi Bay	8	30.97	32.31	<b>31.60</b>
Near-Surface	2482	Nueces Bay	3	30.33	30.98	30.69
(0.50 m below)	2483	Redfish Bay	1	-	-	31.26
	2485	Oso Bay	1	-	-	29.85
	2491	Laguna Madre	2	30.62	31.07	30.85
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	29.32	31.12	30.25
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Water Temperature	2471	Aransas Bay	5	30.34	30.92	30.69
(°C)	2472	Copano Bay/Port Bay/Mission Bay	5	29.89	31.27	30.52
	2481	Corpus Christi Bay	8	30.97	31.62	<b>31.31</b>
Near-Bottom	2482	Nueces Bay	3	30.41	30.75	30.60
(0.50 m above)	2483	Redfish Bay	1	-	-	31.19
	2485	Oso Bay	1	-	-	29.85
	2491	Laguna Madre	2	30.58	30.83	30.71
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	29.32	31.12	30.38

Table 6.3.8. Secchi Depth (m) and Total Depth (m) summary statistics, listed by TCEQ Segment for RCAP 2004 sampling sites. **Bold** = highest recorded mean concentration.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Secchi Depth (m)	2471	Aransas Bay	5	0.60	0.85	0.70
	2472	Copano Bay/Port Bay/Mission Bay	5	0.20	0.30	0.24
	2481	Corpus Christi Bay	8	0.55	1.00	0.81
	2482	Nueces Bay	3	0.30	0.45	0.37
	2483	Redfish Bay	1	-	-	0.75
	2485	Oso Bay	1	-	-	0.20
	2491	Laguna Madre	2	0.90	1.00	<b>0.95</b>
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.25	0.70	0.39
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.25	0.70	0.39
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
Total Depth (m)	2471	Aransas Bay	5	2.30	3.50	3.05
	2472	Copano Bay/Port Bay/Mission Bay	5	1.55	2.40	2.00
	2481	Corpus Christi Bay	8	1.00	4.50	<b>3.71</b>
	2482	Nueces Bay	3	1.05	1.72	1.50
	2483	Redfish Bay	1	-	-	2.55
	2485	Oso Bay	1	-	-	0.70
	2491	Laguna Madre	2	1.55	1.55	1.55
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	1.10	2.20	1.51
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	1.10	2.20	1.51

**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 2004 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.** **Bold** = highest recorded concentration. \* = indicates sample not collected due to depth requirements. ND = No Data Collected.

Segment	Segment Name	CCS ID	TCEQ ID	Ammonia SNU (SLE 0.10)	Ammonia MNU	Ammonia BNU	Ammonia SN	Ammonia MN	Ammonia BN
2471	Aransas Bay	337	18607	0.002	0.003	0.007	0.003	0.002	0.001
		340	18610	0.008	0.006	0.008	0.003	0.001	0.003
		341	18270	0.003	0.006	0.009	0.003	<b>0.016</b>	0.007
		344	18613	0.008	0.005	0.015	0.002	0.003	0.008
		353	18620	0.002	0.002	0.034	0.002	0.002	0.004
2472	Copano Bay/Port Bay/Mission Bay	332	18602	0.014	*	0.015	0.004	*	0.002
		338	18608	0.011	0.015	0.015	0.005	0.003	0.004
		343	18612	0.017	*	ND	0.007	*	0.005
		356	18623	0.020	0.012	0.010	0.005	0.004	0.005
		357	18624	0.015	0.009	0.015	0.006	0.003	0.004
2481	Corpus Christi Bay	333	18603	0.016	0.002	<b>0.084</b>	0.001	0.002	0.064
		339	18609	0.004	*	*	0.003	*	*
		346	18614	0.002	0.003	0.003	0.005	0.002	0.004
		348	18616	0.003	0.012	0.056	0.003	0.003	<b>0.070</b>
		350	18618	0.008	0.003	0.007	0.011	0.002	0.004
		351	17758	0.003	0.001	0.002	0.001	0.003	0.002
		354	18621	0.003	0.003	0.006	0.001	0.004	0.004
		355	18622	0.002	0.009	0.005	0.004	0.002	0.004
2482	Nueces Bay	331	18601	0.016	*	*	0.002	*	*
		349	18617	0.005	*	0.017	0.009	*	0.005
		352	18619	0.010	*	0.014	0.006	*	0.005
2483	Redfish Bay	328	18236	0.004	0.001	0.008	0.002	0.004	0.007
2485	Oso Bay	330	18600	0.021	*	*	0.002	*	*
2491	Laguna Madre	335	18605	0.012	*	0.014	0.013	*	0.012
		347	18615	0.018	*	0.037	0.019	*	0.011
2492	Baffin Bay/Alazan Bay	327	18598	0.018	*	*	0.008	*	*
	Cayo del Grullo/Laguna Salada	329	18599	<b>0.143</b>	*	*	<b>0.133</b>	*	*
		334	18604	0.014	*	*	0.005	*	*
		336	18606	0.020	*	*	0.002	*	*
		342	18611	0.005	0.005	0.012	0.005	0.003	0.006
		345	18260	0.005	<b>0.016</b>	0.017	0.005	0.012	0.005
		358	18625	0.007	*	0.013	0.005	*	0.007

Table 6.4.2. Nitrate concentrations (mg/L or ppm) at RCAP 2004 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. ND = No Data Collected.

Segment	Segment Name	CCS ID	TCEQ ID	Nitrate SNU	Nitrate MNU	Nitrate BNU	Nitrate SN	Nitrate MN	Nitrate BN
2471	Aransas Bay	337	18607	<0.005	<0.005	<0.005	0.006	0.005	0.009
		340	18610	<0.005	<0.005	<0.005	0.011	0.005	0.003
		341	18270	<0.005	<0.005	<0.005	<0.005	<0.005	0.005
		344	18613	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
		353	18620	<0.005	<0.005	<0.005	0.006	0.006	0.006
2472	Copano Bay/Port Bay/Mission Bay	332	18602	<0.005	*	<0.005	0.003	*	0.007
		338	18608	<0.005	<0.005	<0.005	<0.005	<0.005	0.003
		343	18612	<0.005	*	ND	<0.005	*	<0.005
		356	18623	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
		357	18624	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2481	Corpus Christi Bay	333	18603	<0.005	<0.005	<b>0.016</b>	0.018	<b>0.018</b>	<b>0.017</b>
		339	18609	0.006	*	*	0.004	*	*
		346	18614	<0.005	<0.005	0.007	0.004	0.005	0.004
		348	18616	<0.005	<0.005	<0.005	0.005	0.004	0.006
		350	18618	<0.005	<0.005	<0.005	0.006	0.005	0.005
		351	17758	<0.005	<0.005	0.005	0.005	0.005	0.008
		354	18621	<b>0.007</b>	<0.005	<0.005	0.005	0.005	0.005
		355	18622	<0.005	<b>0.006</b>	0.006	0.004	<0.005	0.005
2482	Nueces Bay	331	18601	<0.005	*	*	<0.005	*	*
		349	18617	<0.005	*	<0.005	<0.005	*	0.003
		352	18619	<0.005	*	<0.005	0.005	*	0.005
2483	Redfish Bay	328	18236	0.006	<0.005	0.007	0.010	0.013	0.011
2485	Oso Bay	330	18600	<0.005	*	*	0.016	*	*
2491	Laguna Madre	335	18605	<0.005	*	<0.005	0.022	*	0.014
		347	18615	<0.005	*	<0.005	0.008	*	0.005
2492	Baffin Bay/Alazan Bay	327	18598	<0.005	*	*	0.005	*	*
	Cayo del Grullo/Laguna Salada	329	18599	0.060	*	*	<b>0.083</b>	*	*
		334	18604	<0.005	*	*	0.006	*	*
		336	18606	<0.005	*	*	0.015	*	*
		342	18611	<0.005	<0.005	<0.005	0.010	0.004	0.011
		345	18260	<0.005	<0.005	<0.005	0.003	0.004	0.004
		358	18625	<0.005	*	<0.005	0.011	*	0.010

Table 6.4.3. Nitrite concentrations (mg/L or ppm) at RCAP 2004 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. ND = No Data Collected.

Segment	Segment Name	CCS ID	TCEQ ID	Nitrite SNU	Nitrite MNU	Nitrite BNU	Nitrite SN	Nitrite MN	Nitrite BN
2471	Aransas Bay	337	18607	0.005	0.003	0.011	0.001	0.001	0.003
		340	18610	0.011	0.010	0.010	0.001	0.001	0.003
		341	18270	0.014	0.006	0.024	0.001	<b>0.022</b>	0.001
		344	18613	0.018	<b>0.046</b>	<b>0.051</b>	0.001	0.001	0.001
		353	18620	0.011	0.012	0.018	0.001	<0.001	<0.001
2472	Copano Bay/Port Bay/Mission Bay	332	18602	0.016	*	0.018	0.002	*	0.002
		338	18608	0.018	0.023	0.025	0.001	0.001	0.003
		343	18612	<b>0.053</b>	*	ND	0.003	*	0.002
		356	18623	0.017	0.019	0.014	0.002	0.002	0.001
		357	18624	0.017	0.015	0.024	0.002	0.002	0.002
2481	Corpus Christi Bay	333	18603	0.004	0.008	0.017	0.001	0.001	0.006
		339	18609	0.006	*	*	0.002	*	*
		346	18614	0.006	0.008	0.008	0.002	0.001	0.002
		348	18616	0.008	0.007	0.014	0.001	0.002	<b>0.010</b>
		350	18618	0.006	0.005	0.008	<0.001	0.001	0.001
		351	17758	0.008	0.006	0.010	0.001	0.001	0.004
		354	18621	0.005	0.007	0.008	0.001	0.001	0.001
		355	18622	0.005	0.005	0.005	0.002	0.001	0.001
2482	Nueces Bay	331	18601	0.013	*	*	0.002	*	*
		349	18617	0.009	*	0.013	0.001	*	0.003
		352	18619	0.013	*	0.013	0.001	*	0.001
2483	Redfish Bay	328	18236	0.005	0.007	0.009	0.001	0.003	0.003
2485	Oso Bay	330	18600	<b>0.053</b>	*	*	0.003	*	*
2491	Laguna Madre	335	18605	0.007	*	0.016	0.003	*	0.004
		347	18615	0.012	*	0.013	0.004	*	0.001
2492	Baffin Bay/Alazan Bay	327	18598	0.020	*	*	0.002	*	*
	Cayo del Grullo/Laguna Salada	329	18599	0.043	*	*	<b>0.044</b>	*	*
		334	18604	0.013	*	*	0.001	*	*
	336	18606	0.014	*	*	0.008	*	*	
	342	18611	0.035	0.035	0.035	0.002	0.002	0.001	
345	18260	0.013	0.015	0.021	0.002	0.002	0.002		
358	18625	0.009	*	0.014	0.002	*	0.002		

Table 6.4.4. Nitrate + Nitrite (N + N) concentrations (mg/L or ppm) at RCAP 2004 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. ND = No Data Collected.

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
2471	Aransas Bay	337	18607	0.005	0.003	0.011	0.006	0.006	0.012
		340	18610	0.011	0.010	0.010	0.013	0.006	0.006
		341	18270	0.014	0.006	0.024	0.006	<b>0.022</b>	0.006
		344	18613	0.018	<b>0.046</b>	<b>0.051</b>	0.001	0.001	0.001
		353	18620	0.011	0.012	0.018	0.006	0.006	0.006
2472	Copano Bay/Port Bay/Mission Bay	332	18602	0.016	*	0.018	0.005	*	0.010
		338	18608	0.018	0.023	0.025	0.001	0.001	0.006
		343	18612	0.053	*	ND	0.003	*	0.002
		356	18623	0.017	0.019	0.014	0.002	0.002	0.001
		357	18624	0.017	0.015	0.024	0.002	0.002	0.002
2481	Corpus Christi Bay	333	18603	0.004	0.010	0.033	0.019	0.019	<b>0.024</b>
		339	18609	0.012	*	*	0.006	*	*
		346	18614	0.007	0.008	0.015	0.006	0.006	0.006
		348	18616	0.008	0.007	0.014	0.006	0.006	0.016
		350	18618	0.006	0.005	0.008	0.006	0.006	0.006
		351	17758	0.008	0.006	0.015	0.006	0.006	0.012
		354	18621	0.012	0.007	0.008	0.006	0.006	0.006
		355	18622	0.005	0.011	0.011	0.006	0.001	0.006
2482	Nueces Bay	331	18601	0.013	*	*	0.002	*	*
		349	18617	0.009	*	0.013	0.001	*	0.005
		352	18619	0.013	*	0.013	0.006	*	0.006
2483	Redfish Bay	328	18236	0.011	0.011	0.016	0.011	0.016	0.014
2485	Oso Bay	330	18600	0.053	*	*	0.020	*	*
2491	Laguna Madre	335	18605	0.009	*	0.016	0.025	*	0.018
		347	18615	0.012	*	0.013	0.012	*	0.006
2492	Baffin Bay/Alazan Bay	327	18598	0.020	*	*	0.007	*	*
	Cayo del Grullo/Laguna Salada	329	18599	<b>0.103</b>	*	*	<b>0.127</b>	*	*
		334	18604	0.013	*	*	0.006	*	*
	336	18606	0.014	*	*	0.023	*	*	
	342	18611	0.035	0.035	0.035	0.012	0.006	0.012	
	345	18260	0.013	0.015	0.021	0.006	0.006	0.006	
358	18625	0.010	*	0.014	0.012	*	0.011		

Table 6.4.5. Total Phosphorus (TP) concentrations (mg/L or ppm) at RCAP 2004 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. ND = No Data Collected.

Segment	Segment Name	CCS ID	TCEQ ID	TP SNU (0.22)	TP MNU	TP BNU
2471	Aransas Bay	337	18607	0.079	0.076	0.072
		340	18610	0.039	0.041	0.036
		341	18270	0.064	0.068	0.074
		344	18613	0.069	0.071	0.065
		353	18620	0.061	0.057	0.084
2472	Copano Bay/Port Bay/Mission Bay	332	18602	<b>0.157</b>	*	<b>0.155</b>
		338	18608	0.119	0.118	0.130
		343	18612	0.156	*	ND
		356	18623	0.116	0.108	0.123
		357	18624	0.144	<b>0.148</b>	0.145
2481	Corpus Christi Bay	333	18603	0.035	0.044	0.056
		339	18609	0.052	*	*
		346	18614	0.037	0.030	0.039
		348	18616	0.041	0.046	0.055
		350	18618	0.040	0.041	0.040
		351	17758	0.041	0.040	0.034
		354	18621	0.050	0.035	0.047
		355	18622	0.038	0.038	0.034
2482	Nueces Bay	331	18601	0.154	*	*
		349	18617	0.074	*	0.093
		352	18619	0.134	*	0.130
2483	Redfish Bay	328	18236	0.024	0.024	0.027
2485	Oso Bay	330	18600	0.102	*	*
2491	Laguna Madre	335	18605	0.027	*	0.028
		347	18615	0.027	*	0.022
2492	Baffin Bay/Alazan Bay	327	18598	0.077	*	*
	Cayo del Grullo/Laguna Salada	329	18599	0.071	*	*
		334	18604	0.075	*	*
		336	18606	0.092	*	*
		342	18611	0.073	0.075	0.084
		345	18260	0.062	0.066	0.072
358	18625	0.083	*	0.094		

Table 6.4.6. Orthophosphorus (OP), or Dissolved Inorganic Phosphorus, concentrations (mg/L or ppm) at RCAP 2004 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
2471	Aransas Bay	337	18607	0.127	0.164	0.143
		340	18610	0.058	0.042	0.060
		341	18270	0.104	0.126	0.085
		344	18613	0.110	0.134	0.095
		353	18620	0.091	0.064	0.061
2472	Copano Bay/Port Bay/Mission Bay	332	18602	0.117	*	0.111
		338	18608	0.141	0.102	0.100
		343	18612	0.135	*	0.106
		356	18623	0.223	0.224	0.218
		357	18624	0.186	0.103	0.173
2481	Corpus Christi Bay	333	18603	0.089	0.091	0.118
		339	18609	0.099	*	*
		346	18614	0.063	0.055	0.061
		348	18616	0.063	0.064	0.151
		350	18618	0.074	0.091	0.080
		351	17758	0.101	0.068	0.082
		354	18621	0.100	0.094	0.096
		355	18622	0.077	0.067	0.068
		331	18601	0.069	*	*
2482	Nueces Bay	349	18617	0.167	*	0.255
		352	18619	0.228	*	0.223
		328	18236	0.015	0.032	0.032
2483	Redfish Bay	328	18236	0.015	0.032	0.032
2485	Oso Bay	330	18600	0.036	*	*
2491	Laguna Madre	335	18605	0.025	*	0.023
		347	18615	0.022	*	0.016
2492	Baffin Bay/Alazan Bay	327	18598	0.026	*	*
	Cayo del Grullo/Laguna Salada	329	18599	0.028	*	*
		334	18604	0.023	*	*
		336	18606	0.063	*	*
		342	18611	0.040	0.040	0.039
		345	18260	0.034	0.035	0.037
358	18625	0.053	*	0.054		

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 2004 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
2471	Aransas Bay	337	18607	8.00	7.95	11.35	8.00	10.00	17.00
		340	18610	8.55	8.00	6.65	13.00	10.00	25.00
		341	18270	9.50	10.30	13.70	16.00	10.00	35.00
		344	18613	9.70	9.55	10.45	12.00	13.00	23.00
		353	18620	6.10	5.70	10.70	8.00	10.00	<b>50.00</b>
2472	Copano Bay/Port Bay/Mission Bay	332	18602	11.70	*	16.05	56.00	*	41.00
		338	18608	7.40	6.35	7.15	29.00	<b>39.00</b>	21.00
		343	18612	8.45	*	7.35	35.00	*	32.00
		356	18623	7.85	9.10	6.85	24.00	23.00	26.00
		357	18624	9.75	12.75	9.45	31.00	36.00	37.00
2481	Corpus Christi Bay	333	18603	3.78	5.15	2.52	12.00	11.00	15.00
		339	18609	6.40	*	*	21.00	*	*
		346	18614	2.96	2.73	2.96	15.00	24.00	22.00
		348	18616	5.25	4.76	2.90	14.00	10.00	28.00
		350	18618	2.84	3.04	3.08	9.00	12.00	12.00
		351	17758	3.80	2.83	3.60	13.00	13.00	9.00
		354	18621	3.51	4.26	3.13	13.00	20.00	13.00
		355	18622	3.30	4.01	3.57	19.00	20.00	6.00
2482	Nueces Bay	331	18601	20.95	*	*	29.00	*	*
		349	18617	6.20	*	6.40	13.00	*	18.00
		352	18619	15.70	*	16.55	17.00	*	24.00
2483	Redfish Bay	328	18236	5.20	5.25	5.80	14.00	13.00	12.00
2485	Oso Bay	330	18600	15.05	*	*	<b>58.00</b>	*	*
2491	Laguna Madre	335	18605	4.88	*	6.20	15.00	*	19.00
		347	18615	3.88	*	3.98	20.00	*	21.00
2492	Baffin Bay/Alazan Bay	327	18598	<b>31.60</b>	*	*	29.00	*	*
	Cayo del Grullo/Laguna Salada	329	18599	8.75	*	*	15.00	*	*
		334	18604	8.55	*	*	31.00	*	*
		336	18606	9.58	*	*	32.00	*	*
		342	18611	13.60	14.05	14.35	14.00	19.00	35.00
		345	18260	17.65	<b>18.05</b>	<b>17.95</b>	15.00	15.00	34.00
		358	18625	9.75	*	12.70	38.00	*	38.00

**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 2004 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
<b>Ammonia</b>	2471	Aransas Bay	5	0.002	0.008	0.005
<b>SNU</b>	2472	Copano Bay/Port Bay/Mission Bay	5	0.011	0.020	0.015
TCEQ	2481	Corpus Christi Bay	8	0.002	0.016	0.005
SLE 2000	2482	Nueces Bay	3	0.005	0.016	0.010
0.10 mg/L	2483	Redfish Bay	1	-	-	0.004
	2485	Oso Bay	1	-	-	0.021
	2491	Laguna Madre	2	0.012	0.018	0.015
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.005	0.143	<b>0.030</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Ammonia</b>	2471	Aransas Bay	5	0.002	0.006	0.004
<b>MNU</b>	2472	Copano Bay/Port Bay/Mission Bay	3	0.009	0.015	<b>0.012</b>
	2481	Corpus Christi Bay	7	0.001	0.012	0.005
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.001
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.005	0.016	0.011
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Ammonia</b>	2471	Aransas Bay	5	0.007	0.034	0.015
<b>BNU</b>	2472	Copano Bay/Port Bay/Mission Bay	4	0.010	0.015	0.014
	2481	Corpus Christi Bay	7	0.002	0.084	0.023
	2482	Nueces Bay	2	0.014	0.017	0.016
	2483	Redfish Bay	1	0.008	0.008	0.008
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.014	0.037	<b>0.026</b>
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.012	0.017	0.014

Table 6.5.2. Ammonia (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Ammonia</b> SN	2471	Aransas Bay	5	0.002	0.003	0.003
	2472	Copano Bay/Port Bay/Mission Bay	5	0.004	0.007	0.005
	2481	Corpus Christi Bay	8	0.001	0.011	0.004
	2482	Nueces Bay	3	0.002	0.009	0.006
	2483	Redfish Bay	1	-	-	0.002
	2485	Oso Bay	1	-	-	0.002
	2491	Laguna Madre	2	0.013	0.019	0.016
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.002	0.133	<b>0.023</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Ammonia</b> MN	2471	Aransas Bay	5	0.001	0.016	0.005
	2472	Copano Bay/Port Bay/Mission Bay	3	0.003	0.004	0.003
	2481	Corpus Christi Bay	7	0.002	0.004	0.003
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.004
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.003	0.012	<b>0.008</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Ammonia</b> BN	2471	Aransas Bay	5	0.001	0.008	0.005
	2472	Copano Bay/Port Bay/Mission Bay	4	0.002	0.005	0.004
	2481	Corpus Christi Bay	7	0.002	0.070	<b>0.022</b>
	2482	Nueces Bay	2	0.005	0.005	0.005
	2483	Redfish Bay	1	-	-	0.007
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.011	0.012	0.012
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.005	0.007	0.006

Table 6.5.3. Nitrate (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Nitrate</b>	2471	Aransas Bay	5	<0.001	<0.001	<0.001
<b>SNU</b>	2472	Copano Bay/Port Bay/Mission Bay	5	<0.001	<0.001	<0.001
	2481	Corpus Christi Bay	8	<0.001	0.007	0.002
	2482	Nueces Bay	3	<0.001	<0.001	<0.001
	2483	Redfish Bay	1	-	-	0.006
	2485	Oso Bay	1	-	-	<0.001
	2491	Laguna Madre	2	<0.001	0.002	0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<0.001	0.060	<b>0.009</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrate</b>	2471	Aransas Bay	5	<0.001	<0.001	<0.001
<b>MNU</b>	2472	Copano Bay/Port Bay/Mission Bay	3	<0.001	<0.001	<0.001
	2481	Corpus Christi Bay	7	<0.001	0.006	0.001
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	<b>0.004</b>
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	<0.001	<0.001	<0.001
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrate</b>	2471	Aransas Bay	5	<0.001	<0.001	<0.001
<b>BNU</b>	2472	Copano Bay/Port Bay/Mission Bay	4	<0.001	<0.001	<0.001
	2481	Corpus Christi Bay	7	<0.001	0.016	0.005
	2482	Nueces Bay	2	<0.001	<0.001	<0.001
	2483	Redfish Bay	1	-	-	<b>0.007</b>
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	<0.001	<0.001	<0.001
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	<0.001	<0.001	<0.001

Table 6.5.4. Nitrate (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Nitrate</b>	2471	Aransas Bay	5	0.001	0.001	0.001
<b>SN</b>	2472	Copano Bay/Port Bay/Mission Bay	5	0.001	0.003	0.002
	2481	Corpus Christi Bay	8	<0.001	0.002	0.001
	2482	Nueces Bay	3	0.001	0.002	0.001
	2483	Redfish Bay	1	-	-	0.001
	2485	Oso Bay	1	-	-	0.003
	2491	Laguna Madre	2	0.003	0.004	0.004
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.001	0.044	<b>0.009</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrate</b>	2471	Aransas Bay	5	<0.001	0.022	<b>0.005</b>
<b>MN</b>	2472	Copano Bay/Port Bay/Mission Bay	3	0.001	0.002	0.002
	2481	Corpus Christi Bay	7	0.001	0.002	0.001
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.003
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.002	0.002	0.002
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrate</b>	2471	Aransas Bay	5	<0.001	0.003	0.002
<b>BN</b>	2472	Copano Bay/Port Bay/Mission Bay	4	0.001	0.003	0.002
	2481	Corpus Christi Bay	7	0.001	0.010	<b>0.004</b>
	2482	Nueces Bay	2	0.001	0.003	0.002
	2483	Redfish Bay	1	-	-	0.003
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.001	0.004	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.001	0.002	0.002

Table 6.5.5. Nitrite (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Nitrite</b>	2471	Aransas Bay	5	0.005	0.018	0.012
<b>SNU</b>	2472	Copano Bay/Port Bay/Mission Bay	5	0.016	0.053	0.024
	2481	Corpus Christi Bay	8	0.004	0.008	0.006
	2482	Nueces Bay	3	0.009	0.013	0.012
	2483	Redfish Bay	1	-	-	0.005
	2485	Oso Bay	1	-	-	<b>0.053</b>
	2491	Laguna Madre	2	0.007	0.012	0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.009	0.043	0.021
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrite</b>	2471	Aransas Bay	5	0.003	0.046	0.015
<b>MNU</b>	2472	Copano Bay/Port Bay/Mission Bay	3	0.015	0.023	0.019
	2481	Corpus Christi Bay	7	0.005	0.008	0.007
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.007
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.015	0.035	<b>0.025</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrite</b>	2471	Aransas Bay	5	0.010	0.051	<b>0.023</b>
<b>BNU</b>	2472	Copano Bay/Port Bay/Mission Bay	4	0.014	0.025	0.020
	2481	Corpus Christi Bay	7	0.005	0.017	0.010
	2482	Nueces Bay	2	0.013	0.013	0.013
	2483	Redfish Bay	1	-	-	0.009
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.013	0.016	0.015
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.014	0.035	<b>0.023</b>

Table 6.5.6. Nitrite (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Nitrite</b>	2471	Aransas Bay	5	0.001	0.001	0.001
<b>SN</b>	2472	Copano Bay/Port Bay/Mission Bay	5	0.001	0.003	0.002
	2481	Corpus Christi Bay	8	<0.001	0.002	0.001
	2482	Nueces Bay	3	0.001	0.002	0.001
	2483	Redfish Bay	1	-	-	0.001
	2485	Oso Bay	1	-	-	0.003
	2491	Laguna Madre	2	0.003	0.004	0.004
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.001	0.044	<b>0.009</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrite</b>	2471	Aransas Bay	5	<0.001	0.022	<b>0.005</b>
<b>MN</b>	2472	Copano Bay/Port Bay/Mission Bay	3	0.001	0.002	0.002
	2481	Corpus Christi Bay	7	0.001	0.002	0.001
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.003
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.002	0.002	0.002
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrite</b>	2471	Aransas Bay	5	<0.001	0.003	0.002
<b>BN</b>	2472	Copano Bay/Port Bay/Mission Bay	4	0.001	0.003	0.002
	2481	Corpus Christi Bay	7	0.001	0.010	<b>0.004</b>
	2482	Nueces Bay	2	0.001	0.003	0.002
	2483	Redfish Bay	1	-	-	0.003
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.001	0.004	0.003
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.001	0.002	0.002

Table 6.5.7. Nitrate + Nitrite (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Nitrate + Nitrite</b>	2471	Aransas Bay	5	0.005	0.018	0.012
SNU	2472	Copano Bay/Port Bay/Mission Bay	5	0.016	0.053	0.024
TCEQ	2481	Corpus Christi Bay	8	0.004	0.012	0.008
SLE 2000	2482	Nueces Bay	3	0.009	0.013	0.012
0.26 mg/L	2483	Redfish Bay	1	-	-	0.011
	2485	Oso Bay	1	-	-	<b>0.053</b>
	2491	Laguna Madre	2	0.009	0.012	0.011
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.010	0.103	0.030
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrate + Nitrite</b>	2471	Aransas Bay	5	0.003	0.046	0.015
<b>MNU</b>	2472	Copano Bay/Port Bay/Mission Bay	3	0.015	0.023	0.019
	2481	Corpus Christi Bay	7	0.005	0.011	0.008
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.011
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.015	0.035	<b>0.025</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nitrate + Nitrite</b>	2471	Aransas Bay	5	0.010	0.051	<b>0.023</b>
<b>BNU</b>	2472	Copano Bay/Port Bay/Mission Bay	4	<0.001	0.025	0.016
	2481	Corpus Christi Bay	7	0.008	0.033	0.015
	2482	Nueces Bay	2	0.013	0.013	0.013
	2483	Redfish Bay	1	-	-	0.016
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.013	0.016	0.015
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.014	0.035	<b>0.023</b>

Table 6.5.8. Nitrate + Nitrite (mg/L) summary statistics, listed by TCEQ Segment for RCAP 2004 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	2471	Aransas Bay	5	0.001	0.013	0.006	
	SN	2472	Copano Bay/Port Bay/Mission Bay	5	0.001	0.005	0.003
		2481	Corpus Christi Bay	8	0.006	0.019	0.008
		2482	Nueces Bay	3	0.001	0.006	0.003
		2483	Redfish Bay	1	-	-	0.011
		2485	Oso Bay	1	-	-	0.020
		2491	Laguna Madre	2	0.012	0.025	0.019
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.006	0.127	<b>0.028</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Nitrate + Nitrite	2471	Aransas Bay	5	0.001	0.022	0.008	
	MN	2472	Copano Bay/Port Bay/Mission Bay	3	0.001	0.002	0.002
		2481	Corpus Christi Bay	7	0.001	0.019	0.007
		2482	Nueces Bay	*	*	*	*
		2483	Redfish Bay	1	-	-	<b>0.016</b>
		2485	Oso Bay	*	*	*	*
		2491	Laguna Madre	*	*	*	*
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.006	0.006	0.006
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean	
Nitrate + Nitrite	2471	Aransas Bay	5	0.001	0.012	0.006	
	BN	2472	Copano Bay/Port Bay/Mission Bay	4	0.001	0.010	0.004
		2481	Corpus Christi Bay	7	0.006	0.024	0.011
		2482	Nueces Bay	2	0.005	0.006	0.006
		2483	Redfish Bay	1	-	-	<b>0.014</b>
		2485	Oso Bay		*	*	*
		2491	Laguna Madre	2	0.006	0.018	0.012
		2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.006	0.012	0.010

Table 6.5.9. Total Phosphorus (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Total Phosphorus</b>	2471	Aransas Bay	5	0.039	0.079	0.062
SNU	2472	Copano Bay/Port Bay/Mission Bay	5	0.116	0.157	<b>0.139</b>
TCEQ	2481	Corpus Christi Bay	8	0.035	0.052	0.042
SLE 2000	2482	Nueces Bay	3	0.074	0.154	0.121
0.22 mg/L	2483	Redfish Bay	1	-	-	0.024
	2485	Oso Bay	1	-	-	0.102
	2491	Laguna Madre	2	0.027	0.027	0.027
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.062	0.092	0.076
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Total Phosphorus</b>	2471	Aransas Bay	5	0.041	0.076	0.062
MNU	2472	Copano Bay/Port Bay/Mission Bay	3	0.108	0.148	<b>0.125</b>
	2481	Corpus Christi Bay	7	0.030	0.046	0.039
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.024
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.066	0.075	0.070
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Total Phosphorus</b>	2471	Aransas Bay	5	0.036	0.084	0.066
BNU	2472	Copano Bay/Port Bay/Mission Bay	4	0.123	0.155	<b>0.138</b>
	2481	Corpus Christi Bay	7	0.034	0.056	0.044
	2482	Nueces Bay	2	0.093	0.130	0.111
	2483	Redfish Bay	1	-	-	0.027
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.022	0.028	0.025
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.072	0.094	0.083

Table 6.5.10. Orthophosphorus, or Dissolved Inorganic Phosphorus, (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Orthophosphorus</b>	2471	Aransas Bay	5	0.058	0.127	0.098
SN	2472	Copano Bay/Port Bay/Mission Bay	5	0.117	0.223	<b>0.160</b>
TCEQ	2481	Corpus Christi Bay	8	0.063	0.101	0.083
SLE 2000	2482	Nueces Bay	3	0.069	0.228	0.155
0.16 mg/L	2483	Redfish Bay	1	-	-	0.015
	2485	Oso Bay	1	-	-	0.036
	2491	Laguna Madre	2	0.022	0.025	0.024
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.023	0.063	0.038
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Orthophosphorus</b>	2471	Aransas Bay	5	0.042	0.164	0.106
MN	2472	Copano Bay/Port Bay/Mission Bay	3	0.102	0.224	<b>0.143</b>
	2481	Corpus Christi Bay	7	0.055	0.094	0.076
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	0.032
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	0.035	0.040	0.038
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Orthophosphorus</b>	2471	Aransas Bay	5	0.060	0.143	0.089
<b>BN</b>	2472	Copano Bay/Port Bay/Mission Bay	4	0.100	0.218	0.142
	2481	Corpus Christi Bay	7	0.061	0.151	0.094
	2482	Nueces Bay	2	0.223	0.255	<b>0.239</b>
	2483	Redfish Bay	1	-	-	0.032
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	0.016	0.023	0.020
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	0.037	0.054	0.043

Table 6.5.11. Chlorophyll *a* (µg/L or ppb) summary statistics, listed by TCEQ Segment for RCAP 2004 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
<b>Chlorophyll <i>a</i></b>	2471	Aransas Bay	5	6.10	9.70	8.37
<b>SCL</b>	2472	Copano Bay/Port Bay/Mission Bay	5	7.40	11.70	9.03
TCEQ	2481	Corpus Christi Bay	8	2.84	6.40	3.98
SLE 2000	2482	Nueces Bay	3	6.20	20.95	14.28
11.50 µg/L	2483	Redfish Bay	1	-	-	5.20
	2485	Oso Bay	1	-	-	<b>15.05</b>
	2491	Laguna Madre	2	3.88	4.88	4.38
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	8.55	31.60	14.21
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Chlorophyll <i>a</i></b>	2471	Aransas Bay	5	5.70	10.30	8.30
<b>MCL</b>	2472	Copano Bay/Port Bay/Mission Bay	3	6.35	12.75	9.40
	2481	Corpus Christi Bay	7	2.73	5.15	3.83
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	5.25
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	14.05	18.05	<b>16.05</b>
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Chlorophyll <i>a</i></b>	2471	Aransas Bay	5	6.65	13.70	10.57
<b>BCL</b>	2472	Copano Bay/Port Bay/Mission Bay	4	6.85	16.05	9.37
	2481	Corpus Christi Bay	7	2.52	3.60	3.11
	2482	Nueces Bay	2	6.40	16.55	11.48
	2483	Redfish Bay	1	-	-	5.80
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	3.98	6.20	5.09
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	12.70	17.95	<b>15.00</b>

Table 6.5.12. Total Suspended Solids (TSS) concentrations (mg/L or ppm) summary statistics, listed by TCEQ Segment for RCAP 2004 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	2471	Aransas Bay	5	8.0	16.0	11.4
SS	2472	Copano Bay/Port Bay/Mission Bay	5	24.0	56.0	35.0
	2481	Corpus Christi Bay	8	9.0	21.0	14.5
	2482	Nueces Bay	3	13.0	29.0	19.7
	2483	Redfish Bay	1	-	-	14.0
	2485	Oso Bay	1	-	-	<b>58.0</b>
	2491	Laguna Madre	2	15.0	20.0	17.5
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	14.0	38.0	24.9
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
TSS	2471	Aransas Bay	5	10.0	13.0	10.6
MS	2472	Copano Bay/Port Bay/Mission Bay	3	23.0	39.0	<b>32.7</b>
	2481	Corpus Christi Bay	7	10.0	24.0	15.7
	2482	Nueces Bay	*	*	*	*
	2483	Redfish Bay	1	-	-	13.0
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	*	*	*	*
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	2	15.0	19.0	17.0
Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
TSS	2471	Aransas Bay	5	17.0	50.0	30.0
BS	2472	Copano Bay/Port Bay/Mission Bay	4	21.0	41.0	31.4
	2481	Corpus Christi Bay	7	6.0	28.0	15.0
	2482	Nueces Bay	2	18.0	24.0	21.0
	2483	Redfish Bay	1	-	-	12.0
	2485	Oso Bay	*	*	*	*
	2491	Laguna Madre	2	19.0	21.0	20.0
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	3	34.0	38.0	<b>35.7</b>

**6.6 Microbiological – Individual Concentrations (CFU/100 ml)**

Table 6.6.1. Enterococci concentrations (IDEXX method) recorded at RCAP 2004 sampling sites. **Shaded value exceeded TCEQ criteria level of 104 CFU/100 ml.**  
**Bold** = highest recorded concentration.

Segment	Segment Name	CCS_ID	TCEQ_ID	IDEXX 97
2471	Aransas Bay	337	18607	<10.00
		340	18610	<10.00
		341	18270	<10.00
		344	18613	<10.00
		353	18620	<10.00
2472	Copano Bay/Port Bay/Mission Bay	332	18602	10.00
		338	18608	<10.00
		343	18612	<10.00
		356	18623	<10.00
		357	18624	<10.00
2481	Corpus Christi Bay	333	18603	20.00
		339	18609	20.00
		346	18614	<10.00
		348	18616	<10.00
		350	18618	<10.00
		351	17758	<10.00
		354	18621	<10.00
		355	18622	<10.00
2482	Nueces Bay	331	18601	<10.00
		349	18617	10.00
		352	18619	<10.00
2483	Redfish Bay	328	18236	<10.00
2485	Oso Bay	330	18600	<b>121.00</b>
2491	Laguna Madre	335	18605	<10.00
		347	18615	<10.00
2492	Baffin Bay/Alazan Bay	327	18598	10.00
	Cayo del Grullo/Laguna Salada	329	18599	<10.00
		334	18604	10.00
		336	18606	<10.00
		342	18611	<10.00
		345	18260	<10.00
		358	18625	20.00

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

Table 6.7.1. Trace metal (mg/kg or ppm dry weight) and sediment characteristic (%) concentrations for RCAP 2004 sampling sites. Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level. Shaded value exceeded TCEQ 85<sup>th</sup> percentile only. No value (-) indicates concentration below the detection limit listed in parentheses below chemical symbol. **Bold** = highest recorded concentration. MS = Missing Sample.

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 (0.010)	Mn (2.0)	Ni (1.0)	Pb (1.0)	Sb (0.20)	Se (0.10)	Sn (0.10)	Zn (2.0)	% TOC	% Silt-Clay	% Sand	% Gravel
2471	Aransas Bay	337	18607	0.05	79100	5.9	0.25	41.3	13.3	25800	0.030	504	18.9	16.7	0.20	0.59	0.60	76.5	0.57	95.69	3.65	0.66
		340	18610	-	70200	6.4	0.17	31.2	11.9	21700	0.033	412	14.3	13.5	-	0.47	0.70	66.6	1.16	63.56	36.44	0.00
		341	18270	0.15	75300	6.2	0.68	34.3	14.4	22800	0.047	465	15.0	20.0	0.30	0.52	0.50	150.7	1.05	74.12	25.38	0.49
		344	18613	-	70600	6.2	0.19	28.7	11.3	20200	0.030	310	12.6	14.2	0.20	0.51	0.50	64.2	0.95	68.12	30.49	1.39
		353	18620	0.07	81900	6.5	0.21	48.5	15.9	31600	0.030	523	19.8	19.4	0.20	0.67	0.70	93.7	1.55	90.49	9.50	0.00
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	46400	2.2	0.11	9.5	5.6	6700	0.010	101	4.3	4.4	-	0.13	0.70	19.4	0.28	27.56	72.34	0.10
		338	18608	0.06	81700	5.5	0.24	36.4	12.9	24700	0.030	375	14.2	16.2	0.30	0.53	0.90	67.7	1.44	90.80	9.20	0.00
		343	18612	-	53200	2.5	0.09	15.2	6.2	9000	0.014	157	5.0	7.3	-	0.22	0.50	25.4	0.16	43.21	56.79	0.00
		356	18623	0.05	84900	6.7	0.17	32.5	11.3	21700	0.022	272	14.4	14.6	0.30	0.59	1.10	60.5	0.86	83.69	16.31	0.00
		357	18624	0.07	87400	9.1	0.29	47.1	16.0	33100	0.033	492	20.5	21.3	0.40	0.74	2.80	93.2	3.14	MS	MS	MS
2481	Corpus Christi Bay	333	18603	0.11	84000	6.5	0.48	44.1	16.4	29900	0.068	417	18.4	22.3	0.40	0.70	1.60	129.7	2.66	90.37	9.32	0.31
		339	18609	-	34700	-	0.10	10.7	2.8	3600	-	76	-	4.2	-	0.40	0.40	11.4	0.03	8.52	90.91	0.82
		346	18614	0.15	45100	2.4	0.06	14.3	5.0	5500	0.018	130	3.0	5.2	-	0.11	0.20	22.9	0.09	15.23	79.20	5.56
		348	18616	0.15	86200	6.9	0.49	44.4	17.4	30500	0.078	387	18.8	24.1	0.60	0.85	1.20	130.8	1.81	90.89	8.25	0.86
		350	18618	0.13	85700	7.1	0.40	40.2	16.6	29200	0.070	370	16.3	21.9	0.50	0.64	0.80	132.0	1.32	73.72	25.41	0.88
		351	17758	0.06	60400	5.1	0.23	19.2	12.8	19200	0.050	226	10.9	13.4	0.30	0.52	-	69.2	0.36	32.91	52.97	14.12
		354	18621	0.11	78100	7.1	0.49	37.4	14.8	24400	0.096	327	12.9	21.8	0.40	0.51	0.90	121.1	1.10	83.71	14.27	2.02
355	18622	0.12	79800	8.9	0.50	41.1	16.2	27200	0.071	428	17.1	22.7	0.40	0.63	1.20	119.7	2.16	89.62	10.38	0.00		
2482	Nueces Bay	331	18601	-	54600	2.1	0.49	15.3	7.0	7000	0.034	116	3.7	6.8	-	-	0.90	38.5	0.03	56.12	43.72	0.16
		349	18617	0.11	68700	4.6	0.63	26.6	11.3	18600	0.098	229	9.1	15.1	0.50	0.50	1.00	101.5	0.22	71.72	27.55	0.73
		352	18619	0.14	81600	6.3	0.98	44.2	19.0	25300	0.167	344	12.6	22.2	0.30	0.66	1.00	154.6	0.26	92.48	7.52	0.00
2483	Redfish Bay	328	18236	0.33	65200	4.4	0.23	21.1	12.6	14900	0.036	252	10.2	11.0	0.20	0.32	0.30	57.0	0.04	39.52	54.34	6.14
2485	Oso Bay	330	18600	0.11	68100	3.9	0.34	25.3	11.9	17200	0.024	246	9.1	12.9	0.30	0.38	1.30	60.0	0.36	63.24	36.57	0.19
2491	Laguna Madre	335	18605	-	30000	1.2	0.09	-	-	2100	-	38	-	2.4	-	-	0.30	9.4	0.03	4.82	93.44	0.85
		347	18615	-	25800	1.1	-	-	-	1300	-	28	-	1.7	-	-	-	5.6	0.03	2.72	93.05	4.23
2492	Baffin Bay/Alazan Bay	327	18598	0.07	72100	4.0	0.26	24.6	13.2	15400	0.024	214	8.7	10.7	0.20	0.36	1.00	49.8	0.69	58.30	41.26	0.44
	Cayo del Grullo/Laguna Salada	329	18599	-	28900	1.3	-	-	-	2000	0.010	44	-	2.2	-	-	0.30	7.6	0.10	4.80	94.20	1.42
		334	18604	0.05	64900	6.6	0.19	26.3	8.9	16700	0.013	200	8.6	10.4	0.40	0.50	0.70	44.4	0.34	64.87	29.14	6.00
		336	18606	-	45100	1.4	0.09	6.7	5.2	6400	-	110	2.7	5.0	0.20	0.17	0.30	20.1	0.25	24.15	71.00	4.84
		342	18611	0.10	79100	10.1	0.32	43.1	16.1	29400	0.039	502	18.2	20.0	0.30	0.75	0.80	91.2	0.69	90.66	9.34	0.00
345	18260	0.09	81900	8.6	0.38	41.8	17.0	29300	0.038	493	18.2	21.6	0.30	0.83	0.50	91.1	0.97	93.37	6.63	0.00		
358	18625	0.07	77200	4.9	0.23	28.9	12.4	19700	0.023	306	11.4	14.6	0.30	0.56	0.90	62.6	0.56	71.56	27.70	0.73		

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

Table 6.8.1. Total Organic Carbon (%), Sand (%), and Silt-Clay (%) summary statistics, listed by TCEQ Segment, for RCAP 2004 sampling sites. **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Total Organic Carbon (%)</b>	2471	Aransas Bay	5	0.57	1.55	1.06
	2472	Copano Bay/Port Bay/Mission Bay	5	0.16	3.14	1.18
	2481	Corpus Christi Bay	8	0.03	2.66	<b>1.19</b>
	2482	Nueces Bay	3	0.03	0.26	0.17
	2483	Redfish Bay	1	-	-	0.04
	2485	Oso Bay	1	-	-	0.36
	2491	Laguna Madre	2	0.03	0.03	0.03
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.10	0.97	0.51

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Percent Sand</b> (0.0625 - 2.00 mm)	2471	Aransas Bay	5	3.65	36.44	21.09
	2472	Copano Bay/Port Bay/Mission Bay	4	9.20	72.34	38.66
	2481	Corpus Christi Bay	8	8.25	90.91	36.34
	2482	Nueces Bay	3	7.52	43.72	26.26
	2483	Redfish Bay	1	-	-	54.34
	2485	Oso Bay	1	-	-	36.57
	2491	Laguna Madre	2	93.05	93.44	<b>93.25</b>
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	6.63	94.20	39.90

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Percent Silt-Clay</b> (< 0.0625 mm)	2471	Aransas Bay	5	63.56	95.69	<b>78.40</b>
	2472	Copano Bay/Port Bay/Mission Bay	4	27.56	90.80	61.32
	2481	Corpus Christi Bay	8	8.52	90.89	60.62
	2482	Nueces Bay	3	56.12	92.48	73.44
	2483	Redfish Bay	1	-	-	39.52
	2485	Oso Bay	1	-	-	63.24
	2491	Laguna Madre	2	2.72	4.82	3.77
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	4.80	93.37	58.24

Table 6.8.2. Aluminum, Antimony, and Arsenic (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2004 sampling sites. **Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level.** **Shaded value exceeded TCEQ 85<sup>th</sup> percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Aluminum (Al)</b>	2471	Aransas Bay	5	70200	81900	<b>75420</b>
PEL (NA)	2472	Copano Bay/Port Bay/Mission Bay	5	46400	87400	70720
85 <sup>th</sup> Percentile (NA)	2481	Corpus Christi Bay	8	34700	86200	69250
	2482	Nueces Bay	3	54600	81600	68300
	2483	Redfish Bay	1	-	-	65200
	2485	Oso Bay	1	-	-	68100
	2491	Laguna Madre	2	25800	30000	27900
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	28900	81900	64171

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Antimony (Sb)</b>	2471	Aransas Bay	5	<0.20	0.30	0.18
PEL (NA)	2472	Copano Bay/Port Bay/Mission Bay	5	<0.20	0.40	0.20
85 <sup>th</sup> Percentile (NA)	2481	Corpus Christi Bay	8	<0.20	0.60	<b>0.33</b>
	2482	Nueces Bay	3	<0.20	0.50	0.27
	2483	Redfish Bay	1	-	-	0.20
	2485	Oso Bay	1	-	-	0.30
	2491	Laguna Madre	2	<0.20	<0.20	<0.20
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<0.20	0.40	0.24

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Arsenic (As)</b>	2471	Aransas Bay	5	5.86	6.50	<b>6.21</b>
PEL = 41.60	2472	Copano Bay/Port Bay/Mission Bay	5	2.22	9.08	5.19
85 <sup>th</sup> Percentile = 9.61	2481	Corpus Christi Bay	8	<1.00	8.92	5.49
	2482	Nueces Bay	3	2.14	6.27	4.34
	2483	Redfish Bay	1	-	-	4.43
	2485	Oso Bay	1	-	-	3.85
	2491	Laguna Madre	2	1.14	1.16	1.15
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	1.27	<b>10.09</b>	5.26

Table 6.8.3. Cadmium, Chromium, and Copper (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2004 sampling sites. **Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level.** **Shaded value exceeded TCEQ 85<sup>th</sup> percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Cadmium (Cd)</b>	2471	Aransas Bay	5	0.17	0.68	0.30
PEL = 4.21	2472	Copano Bay/Port Bay/Mission Bay	5	0.09	0.29	0.18
85 <sup>th</sup> Percentile = 0.663	2481	Corpus Christi Bay	8	0.06	0.50	0.34
	2482	Nueces Bay	3	0.49	0.98	0.70
	2483	Redfish Bay	1	-	-	0.23
	2485	Oso Bay	1	-	-	0.34
	2491	Laguna Madre	2	<0.05	0.09	0.04
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<0.05	0.38	0.21

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Chromium (Cr)</b>	2471	Aransas Bay	5	28.70	48.50	36.80
PEL = 160.40	2472	Copano Bay/Port Bay/Mission Bay	5	9.50	47.10	28.14
85 <sup>th</sup> Percentile = 36.90	2481	Corpus Christi Bay	8	10.70	44.40	31.43
	2482	Nueces Bay	3	15.30	44.20	28.70
	2483	Redfish Bay	1	-	-	21.10
	2485	Oso Bay	1	-	-	25.30
	2491	Laguna Madre	2	<4.00	<4.00	<4.00
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<4.00	43.10	24.49

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Copper (Cu)</b>	2471	Aransas Bay	5	11.30	15.90	13.36
PEL = 108.20	2472	Copano Bay/Port Bay/Mission Bay	5	5.60	16.00	10.40
85 <sup>th</sup> Percentile = 19.90	2481	Corpus Christi Bay	8	2.80	17.40	12.75
	2482	Nueces Bay	3	7.00	19.00	12.43
	2483	Redfish Bay	1	-	-	12.60
	2485	Oso Bay	1	-	-	11.90
	2491	Laguna Madre	2	<5.00	<5.00	<5.00
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<5.00	17.00	10.40

Table 6.8.4. Iron, Lead, and Manganese (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2004 sampling sites. **Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level.** **Shaded value exceeded TCEQ 85<sup>th</sup> percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Iron (Fe)</b>	2471	Aransas Bay	5	20200	31600	<b>24420</b>
PEL (NA)	2472	Copano Bay/Port Bay/Mission Bay	5	6700	33100	19040
85 <sup>th</sup> Percentile (NA)	2481	Corpus Christi Bay	8	3600	30500	21188
	2482	Nueces Bay	3	7000	25300	16967
	2483	Redfish Bay	1	-	-	14900
	2485	Oso Bay	1	-	-	17200
	2491	Laguna Madre	2	1300	2100	1700
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	2000	29400	16986

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Lead (Pb)</b>	2471	Aransas Bay	5	13.50	20.00	16.76
PEL = 112.18	2472	Copano Bay/Port Bay/Mission Bay	5	4.40	21.30	12.76
85 <sup>th</sup> Percentile = 21.90	2481	Corpus Christi Bay	8	4.20	24.10	<b>16.95</b>
	2482	Nueces Bay	3	6.80	22.20	14.70
	2483	Redfish Bay	1	-	-	11.00
	2485	Oso Bay	1	-	-	12.90
	2491	Laguna Madre	2	1.70	2.40	2.05
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	2.20	21.60	12.07

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Manganese (Mn)</b>	2471	Aransas Bay	5	310	523	<b>442</b>
PEL (NA)	2472	Copano Bay/Port Bay/Mission Bay	5	101	492	279
85 <sup>th</sup> Percentile (NA)	2481	Corpus Christi Bay	8	76	428	295
	2482	Nueces Bay	3	116	344	230
	2483	Redfish Bay	1	-	-	252
	2485	Oso Bay	1	-	-	246
	2491	Laguna Madre	2	28	38	33
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	44	502	267

Table 6.8.5. Mercury, Nickel, and Selenium (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2004 sampling sites. **Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level.** **Shaded value exceeded TCEQ 85<sup>th</sup> percentile only.** **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Mercury (Hg)</b>	2471	Aransas Bay	5	0.030	0.047	0.034
PEL = 0.696	2472	Copano Bay/Port Bay/Mission Bay	5	0.010	0.033	0.022
85 <sup>th</sup> Percentile = 0.230	2481	Corpus Christi Bay	8	<0.010	0.096	0.056
	2482	Nueces Bay	3	0.034	0.167	<b>0.100</b>
	2483	Redfish Bay	1	-	-	0.036
	2485	Oso Bay	1	-	-	0.024
	2491	Laguna Madre	2	<0.010	<0.010	<0.010
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<0.010	0.039	0.021

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Nickel (Ni)</b>	2471	Aransas Bay	5	12.60	19.80	<b>16.12</b>
PEL = 42.80	2472	Copano Bay/Port Bay/Mission Bay	5	4.30	20.50	11.68
85 <sup>th</sup> Percentile = 21.40	2481	Corpus Christi Bay	8	0.00	18.80	12.18
	2482	Nueces Bay	3	3.70	12.60	8.47
	2483	Redfish Bay	1	-	-	10.20
	2485	Oso Bay	1	-	-	9.10
	2491	Laguna Madre	2	<1.00	<1.00	<1.00
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<1.00	18.20	9.69

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Selenium (Se)</b>	2471	Aransas Bay	5	0.47	0.67	<b>0.55</b>
PEL = NA	2472	Copano Bay/Port Bay/Mission Bay	5	0.13	0.74	0.44
85 <sup>th</sup> Percentile = 1.70	2481	Corpus Christi Bay	8	<0.10	0.85	0.50
	2482	Nueces Bay	3	<0.10	0.66	0.39
	2483	Redfish Bay	1	-	-	0.32
	2485	Oso Bay	1	-	-	0.38
	2491	Laguna Madre	2	<0.10	<0.10	<0.10
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<0.10	0.83	0.45

Table 6.8.6. Silver, Tin, and Zinc (mg/kg or ppm) summary statistics, listed by TCEQ Segment, for RCAP 2004 sampling sites. Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level. Shaded value exceeded TCEQ 85<sup>th</sup> percentile only. **Bold** = highest recorded mean concentrations.

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Silver (Ag)</b>	2471	Aransas Bay	5	<0.05	0.15	0.05
PEL = 1.77	2472	Copano Bay/Port Bay/Mission Bay	5	<0.05	0.07	0.04
85 <sup>th</sup> Percentile = 0.600	2481	Corpus Christi Bay	8	<0.05	0.15	0.10
	2482	Nueces Bay	3	<0.05	0.14	0.08
	2483	Redfish Bay	1	-	-	<b>0.33</b>
	2485	Oso Bay	1	-	-	0.11
	2491	Laguna Madre	2	<0.05	<0.05	0.00
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	<0.05	0.10	0.05

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Tin (Sn)</b>	2471	Aransas Bay	5	0.50	0.70	0.60
PEL (NA)	2472	Copano Bay/Port Bay/Mission Bay	5	0.50	2.80	1.20
85 <sup>th</sup> Percentile (NA)	2481	Corpus Christi Bay	8	<0.10	1.60	0.79
	2482	Nueces Bay	3	0.90	1.00	0.97
	2483	Redfish Bay	1	-	-	0.30
	2485	Oso Bay	1	-	-	<b>1.30</b>
	2491	Laguna Madre	2	<0.10	0.30	0.15
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	0.30	1.00	0.64

Parameter	Segment	Segment Name	n (sites)	Min	Max	Mean
<b>Zinc (Zn)</b>	2471	Aransas Bay	5	64.20	150.70	90.34
PEL = 271.0	2472	Copano Bay/Port Bay/Mission Bay	5	19.40	93.20	53.24
85 <sup>th</sup> Percentile = 107.0	2481	Corpus Christi Bay	8	11.40	132.00	92.10
	2482	Nueces Bay	3	38.50	154.60	<b>98.20</b>
	2483	Redfish Bay	1	-	-	57.00
	2485	Oso Bay	1	-	-	60.00
	2491	Laguna Madre	2	5.60	9.40	7.50
	2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	7	7.60	91.20	52.40

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

Table 6.9.1. Sediment concentrations (ng/g or ppb) of 4 out of 20 PCB congeners (all other PCBs < reporting limit) at RCAP 2004 sampling sites. **Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level.** **Shaded value exceeded TCEQ 85<sup>th</sup> percentile only.** No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	101	105	130	170	Total PCB
2471	Aransas Bay	337	18607	-	-	-	-	-
		340	18610	-	-	-	-	-
		341	18270	-	-	-	-	-
		344	18613	-	-	-	-	-
		353	18620	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	<b>5.05</b>	-	-	-	5.05
		338	18608	-	3.98	-	<b>5.20</b>	<b>9.18</b>
		343	18612	-	<b>7.14</b>	-	-	7.14
		356	18623	-	-	-	-	-
		357	18624	-	-	-	-	-
2481	Corpus Christi Bay	333	18603	-	1.98	<b>1.21</b>	-	3.19
		339	18609	-	1.08	-	-	1.08
		346	18614	-	-	-	-	-
		348	18616	-	-	-	-	-
		350	18618	-	-	-	-	-
		351	17758	-	-	-	-	-
		354	18621	-	-	-	-	-
2482	Nueces Bay	331	18601	-	-	-	-	-
		349	18617	-	-	-	-	-
		352	18619	-	4.26	-	-	4.26
2483	Redfish Bay	328	18236	-	-	-	-	
2485	Oso Bay	330	18600	-	-	-	-	
2491	Laguna Madre	335	18605	-	-	-	-	-
		347	18615	-	1.41	-	-	1.41
2492	Baffin Bay/Alazan Bay Cayo del Grullo/Laguna Salada	327	18598	-	-	-	-	-
		329	18599	-	-	-	-	-
		334	18604	-	-	-	-	-
		336	18606	-	-	-	-	-
		342	18611	-	-	-	-	-
		345	18260	-	-	-	-	-
		358	18625	-	-	-	-	-

Table 6.9.2. Sediment concentrations of DDD, DDE, and DDT (ng/g or ppb) at RCAP 2004 sampling sites. Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level. Shaded value exceeded TCEQ 85<sup>th</sup> 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)
2471	Aransas Bay	337	18607	-	-	-	-	-	-	-
		340	18610	-	-	-	-	-	-	-
		341	18270	-	-	-	-	-	-	-
		344	18613	-	-	<b>1.30</b>	-	-	-	1.30
		353	18620	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-	-	-	-	-
		338	18608	<b>8.23</b>	-	-	-	-	-	<b>8.23</b>
		343	18612	2.56	-	-	-	-	<b>1.49</b>	4.06
		356	18623	-	-	-	-	-	-	-
		357	18624	-	-	-	-	-	-	-
2481	Corpus Christi Bay	333	18603	-	-	-	-	-	-	-
		339	18609	0.33	-	-	-	<b>0.58</b>	-	0.91
		346	18614	-	-	-	-	-	-	-
		348	18616	-	-	-	-	-	-	-
		350	18618	-	-	-	-	-	-	-
		351	17758	-	-	-	-	-	-	-
		354	18621	-	-	-	-	-	-	-
2482	Nueces Bay	331	18601	-	-	-	-	-	-	-
		349	18617	-	-	-	-	-	-	-
		352	18619	-	-	-	-	-	-	-
2483	Redfish Bay	328	18236	-	-	-	-	-	-	
2485	Oso Bay	330	18600	-	-	-	-	-	-	
2491	Laguna Madre	335	18605	-	-	-	-	-	-	-
		347	18615	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	327	18598	-	-	-	-	-	-	-
	Cayo del Grullo/Laguna Salada	329	18599	-	-	-	-	-	-	-
		334	18604	-	-	-	-	-	-	-
		336	18606	-	-	-	-	-	-	-
		342	18611	-	-	-	-	-	-	-
		345	18260	-	-	-	-	-	-	
		358	18625	-	-	-	-	-	-	

Table 6.9.3. Sediment concentrations (ng/g or ppb) of 2 of 13 Chlorinated Pesticides other than DDT (all other chlorinated pesticides < reporting limit) at RCAP 2004 sampling sites. No value (-) indicates concentration below the reporting limit. **Bold** = highest recorded concentration.

Segment	Segment Name	CCS ID	TCEQ ID	alpha-chlordane	t-nonachlor	Total Chlorinated Pesticides
2471	Aransas Bay	337	18607	-	-	-
		340	18610	-	-	-
		341	18270	-	-	-
		344	18613	-	-	-
		353	18620	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-
		338	18608	<b>3.74</b>	<b>3.64</b>	<b>7.38</b>
		343	18612	-	-	-
		356	18623	-	-	-
		357	18624	-	-	-
2481	Corpus Christi Bay	333	18603	-	-	-
		339	18609	-	-	-
		346	18614	3.26	-	3.26
		348	18616	-	-	-
		350	18618	-	-	-
		351	17758	-	-	-
		354	18621	-	-	-
		355	18622	-	-	-
2482	Nueces Bay	331	18601	-	-	-
		349	18617	-	-	-
		352	18619	-	-	-
2483	Redfish Bay	328	18236	-	-	-
2485	Oso Bay	330	18600	-	-	-
2491	Laguna Madre	335	18605	-	-	-
		347	18615	-	-	-
2492	Baffin Bay/Alazan Bay	327	18598	-	-	-
	Cayo del Grullo/Laguna Salada	329	18599	-	-	-
		334	18604	-	-	-
		336	18606	-	-	-
		342	18611	-	-	-
		345	18260	-	-	-
358	18625	-	-	-		

Table 6.9.4. Sediment concentrations (ng/g or ppb) of 23 PAH's at RCAP 2004 sampling sites. **Shaded value exceeded TCEQ PEL and 85<sup>th</sup> percentile screening level.** **Shaded value exceeded TCEQ 85<sup>th</sup> 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
2471	Aransas Bay	337	18607	-	-	-	1.82	-	-	6.03
		340	18610	-	-	-	-	-	-	-
		341	18270	-	-	-	-	-	-	-
		344	18613	-	-	-	-	-	-	-
		353	18620	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-	-	-	-	-
		338	18608	-	-	-	-	-	-	-
		343	18612	-	-	-	-	-	-	-
		356	18623	-	-	-	-	-	-	-
		357	18624	-	-	-	-	-	-	-
2481	Corpus Christi Bay	333	18603	-	-	-	-	-	-	-
		339	18609	-	-	-	-	-	-	-
		346	18614	-	-	-	-	-	-	-
		348	18616	-	-	-	-	-	-	-
		350	18618	-	-	-	-	-	-	-
		351	17758	-	-	-	-	-	-	-
		354	18621	-	-	-	-	-	-	-
		355	18622	-	-	<b>4.63</b>	<b>10.58</b>	-	-	<b>9.26</b>
2482	Nueces Bay	331	18601	-	-	-	-	-	-	-
		349	18617	-	-	-	-	-	-	-
		352	18619	-	-	-	-	-	-	-
2483	Redfish Bay	328	18236	-	-	-	-	-	-	
2485	Oso Bay	330	18600	-	-	-	-	-	-	
2491	Laguna Madre	335	18605	-	-	-	-	-	-	-
		347	18615	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	327	18598	-	-	-	-	-	-	-
	Cayo del Grullo/Laguna Salada	329	18599	-	-	-	-	-	-	-
		334	18604	-	-	-	-	-	-	-
		336	18606	-	-	-	-	-	-	-
		342	18611	-	-	-	-	-	-	-
		345	18260	-	-	-	-	-	-	
		358	18625	-	-	-	-	-	-	

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	fluoranthene	benzo(b)fluoranthene	benzo(k)fluoranthene	fluorene	naphthalene	1-methylnaphthalene
2471	Aransas Bay	337	18607	-	-	<b>1.54</b>	-	-	-
		340	18610	-	-	-	-	-	-
		341	18270	-	-	-	-	-	-
		344	18613	-	-	-	-	-	-
		353	18620	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-	-	-	-
		338	18608	-	-	-	-	-	-
		343	18612	-	-	-	-	-	-
		356	18623	-	-	-	-	-	-
		357	18624	-	-	-	-	-	-
2481	Corpus Christi Bay	333	18603	-	-	-	-	-	-
		339	18609	-	-	-	-	-	-
		346	18614	-	-	-	-	-	-
		348	18616	5.08	-	-	-	-	-
		350	18618	7.27	-	-	-	-	-
		351	17758	-	-	-	-	-	-
		354	18621	-	-	-	-	-	-
		355	18622	<b>24.27</b>	-	-	-	-	-
2482	Nueces Bay	331	18601	-	-	-	-	-	-
		349	18617	13.84	-	-	-	-	-
		352	18619	15.70	-	-	-	-	-
2483	Redfish Bay	328	18236	-	-	-	-	-	
2485	Oso Bay	330	18600	-	-	-	-	-	
2491	Laguna Madre	335	18605	-	-	-	-	-	-
		347	18615	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	327	18598	-	-	-	-	-	-
	Cayo del Grullo/Laguna Salada	329	18599	-	-	-	-	-	-
		334	18604	-	-	-	-	-	-
		336	18606	-	-	-	-	-	-
		342	18611	-	-	-	-	-	-
		345	18260	-	-	-	-	-	-
358	18625	-	-	-	-	-	-		

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	2-methylnaphthalene	2,6-dimethylnaphthalene	2,3,5-trimethylnaphthalene	phenanthrene	1-methylphenanthrene
2471	Aransas Bay	337	18607	-	-	-	-	-
		340	18610	-	-	-	-	-
		341	18270	-	-	-	-	-
		344	18613	-	-	-	-	-
		353	18620	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-	-	-
		338	18608	-	-	-	-	-
		343	18612	-	-	-	-	-
		356	18623	-	-	-	-	-
		357	18624	-	-	-	-	-
2481	Corpus Christi Bay	333	18603	-	-	-	-	-
		339	18609	-	-	-	-	-
		346	18614	-	-	-	-	-
		348	18616	-	-	-	-	-
		350	18618	-	-	-	-	-
		351	17758	-	-	-	-	-
		354	18621	-	-	-	-	-
		355	18622	-	-	-	9.35	-
2482	Nueces Bay	331	18601	-	-	-	-	-
		349	18617	-	-	-	-	-
		352	18619	-	-	-	-	-
2483	Redfish Bay	328	18236	-	-	-	-	-
2485	Oso Bay	330	18600	-	-	-	-	-
2491	Laguna Madre	335	18605	-	-	-	-	-
		347	18615	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	327	18598	-	-	-	-	-
	Cayo del Grullo/Laguna Salada	329	18599	-	-	-	-	-
		334	18604	-	-	-	-	-
		336	18606	-	-	-	-	-
		342	18611	-	-	-	-	-
		345	18260	-	-	-	-	-
		358	18625	-	-	-	-	-

Table 6.9.4. (continued).

Segment	Segment Name	CCS ID	TCEQ ID	benzo(g,h,i)perylene	pyrene	benzo(a)pyrene	indeno(1,2,3-cd)pyrene	dibenzothiophene	Total PAH
2471	Aransas Bay	337	18607	-	-	-	-	-	9.39
		340	18610	-	-	-	-	-	-
		341	18270	-	-	-	-	-	-
		344	18613	-	2.66	-	-	-	2.66
		353	18620	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-	-	-	-
		338	18608	-	8.33	-	-	-	8.33
		343	18612	-	-	-	-	-	-
		356	18623	-	-	-	-	-	-
		357	18624	-	-	-	-	-	-
2481	Corpus Christi Bay	333	18603	-	-	-	-	-	-
		339	18609	-	-	-	-	-	-
		346	18614	-	-	-	-	-	-
		348	18616	-	4.82	-	-	-	9.90
		350	18618	-	6.50	-	-	-	13.77
		351	17758	-	-	-	-	-	-
		354	18621	-	-	-	-	-	-
		355	18622	-	27.86	-	-	-	85.95
2482	Nueces Bay	331	18601	-	-	-	-	-	-
		349	18617	-	10.89	-	-	-	24.73
		352	18619	-	16.41	-	-	-	32.11
2483	Redfish Bay	328	18236	-	-	-	-	-	
2485	Oso Bay	330	18600	-	-	-	-	-	
2491	Laguna Madre	335	18605	-	-	-	-	-	-
		347	18615	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay	327	18598	-	-	-	-	-	-
	Cayo del Grullo/Laguna Salada	329	18599	-	-	-	-	-	-
		334	18604	-	-	-	-	-	-
		336	18606	-	-	-	-	-	-
		342	18611	-	-	-	-	-	-
		345	18260	-	-	-	-	-	-
		358	18625	-	-	-	-	-	

**6.10 Sediment Toxicity**

Table 6.10.1. RCAP 2004 toxicity results in sediment toxicity tests conducted with the amphipod *Ampelisca abdita*.

Segment	Segment Name	CCS ID	TCEQ ID	Rep Number (Alive Amphipods)					Mean % Survival
				1	2	3	4	5	
		Control	Control	90	95	85	95	100	93
		Reference	Reference	95	95	100	80	90	92
2471	Aransas Bay	337	18607	90	75	100	100	90	91
		340	18610	85	95	95	95	90	92
		341	18270	80	100	95	95	100	94
		344	18613	80	90	100	95	90	91
		353	18620	80	90	95	80	95	88
2472	Copano Bay/Port Bay/Mission Bay	332	18602	90	100	70	90	95	89
		338	18608	90	95	95	100	95	95
		343	18612	85	100	100	95	100	96
		356	18623	100	95	100	90	90	95
		357	18624	80	90	85	90	90	87
2481	Corpus Christi Bay	333	18603	80	90	95	90	100	91
		339	18609	95	95	95	90	75	90
		346	18614	95	85	90	95	85	90
		348	18616	85	95	100	85	95	92
		350	18618	100	85	100	100	100	97
		351	17758	85	100	95	100	95	95
		354	18621	75	80	95	90	95	87
		355	18622	90	85	85	95	95	90
2482	Nueces Bay	331	18601	90	95	85	75	95	88
		349	18617	80	80	95	95	90	88
		352	18619	90	70	100	80	90	86
2483	Redfish Bay	328	18236	90	95	90	80	100	91
2485	Oso Bay	330	18600	80	85	95	100	85	89
2491	Laguna Madre	335	18605	65	90	85	90	90	84
		347	18615	75	100	95	65	90	85
2492	Baffin Bay/Alazan Bay	327	18598	85	100	100	80	95	92
	Cayo del Grullo/Laguna Salada	329	18599	85	65	85	95	95	85
		334	18604	100	95	100	95	100	98
		336	18606	95	95	70	80	85	85
		342	18611	95	95	90	95	100	95
		345	18260	100	95	95	95	100	97
		358	18625	90	90	95	90	95	92

**6.11 Fish species analyzed for Trace Metals and Organics in Tissue Monitoring**

Table 6.11.1. List of fish species analyzed for whole body tissue monitoring at 31 of 32 RCAP 2004 sampling sites. Missing site (1) reflects 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)	<i>Pogonias cromis</i> (Black Drum)
2471	Aransas Bay	337	18607					
		340	18610					
		341	18270					
		344	18613					
		353	18620					
2472	Copano Bay/Port Bay/Mission Bay	332	18602					
		338	18608					
		343	18612					
		356	18623					
		357	18624					
2481	Corpus Christi Bay	333	18603					
		339	18609					
		346	18614					
		348	18616					
		350	18618					
		351	17758					
		354	18621					
2482	Nueces Bay	331	18601					
		349	18617					
		352	18619					
2483	Redfish Bay	328	18236					
2491	Laguna Madre	335	18605					
		347	18615					
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	327	18598					
		329	18599					
		334	18604					
		336	18606					
		342	18611					
		345	18260					
		358	18625					

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

Table 6.12.1. Trace metal concentrations (mg/kg or ppm wet weight) in tissue (whole body) for 31 of 32 RCAP 2004 sampling sites. Missing site (1) reflects 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 (or exceeded) 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)	
2471	Aransas Bay	337	18607	-	100	-	-	-	-	61	0.01	-	0.10	-	-	-	
		340	18610	-	<b>231</b>	-	-	0.28	-	<b>163</b>	0.02	-	0.21	-	-	-	
		341	18270	-	141	-	-	-	-	86	0.01	-	0.14	-	-	-	
		344	18613	-	126	-	-	0.11	-	68	-	-	-	-	-	-	
		353	18620	-	118	-	-	0.10	-	66	-	-	-	1.04	-	-	
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	11	-	-	-	-	-	0.02	-	-	-	-	-	
		338	18608	-	33	-	<b>0.07</b>	-	-	-	0.07	-	-	-	-	158	
		343	18612	-	32	-	-	-	1.00	28	0.09	-	-	-	-	-	181
		356	18623	-	100	-	-	-	-	55	0.02	-	-	-	-	-	-
		357	18624	-	23	-	-	-	<b>2.30</b>	26	<b>0.61</b>	-	-	-	-	-	110
2481	Corpus Christi Bay	333	18603	-	207	2.30	-	1.22	-	149	0.12	0.30	0.22	<b>1.82</b>	-	<b>237</b>	
		339	18609	-	30	-	-	-	-	19	0.01	-	-	-	-	-	
		346	18614	-	45	-	-	-	-	41	0.03	-	-	1.61	-	-	
		348	18616	-	34	-	-	-	-	27	0.02	-	-	1.50	-	-	
		350	18618	-	33	-	-	-	-	27	0.03	-	-	1.77	-	-	
		351	17758	-	69	-	-	-	-	58	0.04	-	0.16	1.06	-	-	
		354	18621	-	64	-	-	-	-	46	0.06	-	-	1.72	-	-	
		355	18622	-	60	-	-	-	0.22	40	-	-	-	1.50	-	-	
2482	Nueces Bay	331	18601	-	29	-	-	-	-	-	0.06	-	-	-	-	-	
		349	18617	-	40	-	-	-	-	37	0.06	-	0.13	-	-	-	
		352	18619	-	89	-	-	0.90	-	71	0.04	0.20	0.19	-	-	-	
2483	Redfish Bay	328	18236	-	41	-	-	-	35	0.02	-	-	1.54	-	-		
2491	Laguna Madre	335	18605	-	36	2.50	-	1.39	1.10	36	0.06	0.30	-	1.20	-	-	
		347	18615	-	11	-	-	-	1.40	-	0.03	-	<b>0.39</b>	-	-	-	
2492	Baffin Bay/Alazan Bay/	327	18598	-	29	4.70	-	-	-	53	0.06	-	0.29	-	-	174	
		Cayo del Grullo/Laguna Salada	329	18599	-	49	7.30	-	-	1.00	48	0.06	-	-	-	-	147
		334	18604	-	74	<b>8.00</b>	-	-	1.00	46	0.04	-	0.10	1.01	-	117	
		336	18606	-	49	-	-	-	-	31	0.08	-	-	-	-	-	
		342	18611	-	18	4.90	-	<b>2.44</b>	-	44	0.05	<b>0.80</b>	0.24	-	-	178	
		345	18260	-	73	5.10	-	0.16	-	54	0.04	-	0.16	-	-	186	
	358	18625	-	22	4.70	-	0.20	-	44	0.06	-	0.15	-	-	119		

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

Table 6.13.1. Tissue concentrations (ng/g or ppb) of 4 of 20 PCB congeners (all other PCBs < reporting limit) at 31 of 32 RCAP 2004 sampling sites. Missing site (1) reflects 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	44	105	153	170	Total PCB
2471	Aransas Bay	337	18607	-	-	-	-	-
		340	18610	-	-	-	-	-
		341	18270	-	-	-	-	-
		344	18613	-	-	-	-	-
		353	18620	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-	-	-
		338	18608	-	-	-	-	-
		343	18612	-	-	-	-	-
		356	18623	-	-	-	-	-
		357	18624	-	-	-	-	-
2481	Corpus Christi Bay	333	18603	-	-	-	-	-
		339	18609	-	-	-	-	-
		346	18614	-	-	-	-	-
		348	18616	-	-	-	-	-
		350	18618	-	-	-	-	-
		351	17758	-	-	-	-	-
		354	18621	-	-	-	-	-
2482	Nueces Bay	331	18601	-	-	-	-	-
		349	18617	-	-	-	-	-
		352	18619	-	-	-	-	-
2483	Redfish Bay	328	18236	-	-	-	-	-
2491	Laguna Madre	335	18605	-	-	-	-	-
		347	18615	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	327	18598	-	-	-	-	-
		329	18599	-	-	-	-	-
		334	18604	-	-	-	-	-
		336	18606	<b>13.48</b>	<b>29.22</b>	<b>11.38</b>	<b>6.69</b>	<b>60.77</b>
		342	18611	-	-	-	-	-
		345	18260	-	-	-	-	-
		358	18625	-	-	-	-	-

Table 6.13.2. Tissue concentrations of DDD, DDE, and DDT (ng/g or ppb) at 31 of 32 RCAP 2004 sampling sites. Missing site (1) reflects 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
2471	Aransas Bay	337	18607	-	-	-	-	-	-	-
		340	18610	-	-	-	-	-	-	-
		341	18270	-	-	-	-	-	-	-
		344	18613	-	-	-	-	-	-	-
		353	18620	-	-	-	-	-	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-	-	-	-	-	-
		338	18608	-	-	-	-	-	-	-
		343	18612	-	-	-	-	-	-	-
		356	18623	-	-	-	-	-	-	-
		357	18624	-	-	-	8.82	-	-	8.82
2481	Corpus Christi Bay	333	18603	-	-	-	-	-	-	-
		339	18609	-	-	-	-	-	-	-
		346	18614	-	-	-	-	-	-	-
		348	18616	-	-	-	-	-	-	-
		350	18618	-	-	-	-	-	-	-
		351	17758	-	-	-	-	-	-	-
		354	18621	-	-	-	-	-	-	-
		355	18622	-	-	-	-	-	-	-
2482	Nueces Bay	331	18601	-	-	-	-	-	-	-
		349	18617	-	-	-	-	-	-	-
		352	18619	-	-	-	-	-	-	-
2483	Redfish Bay	328	18236	-	-	-	-	-	-	
2491	Laguna Madre	335	18605	-	-	-	-	-	-	-
		347	18615	-	-	-	-	-	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	327	18598	-	-	-	-	-	-	-
		329	18599	-	-	-	-	-	-	-
		334	18604	-	-	-	-	-	-	-
		336	18606	-	-	-	5.84	-	-	5.84
		342	18611	-	-	-	-	-	-	-
		345	18260	-	-	-	<b>11.96</b>	-	-	<b>11.96</b>
		358	18625	-	-	-	-	-	-	

Table 6.13.3. Tissue concentrations (ng/g or ppb) of 12 of 13 Chlorinated Pesticides other than DDT (all other chlorinated pesticides < reporting limit) at 31 of 32 RCAP 2004 sampling sites were all below the reporting limit. Missing site (1) reflects 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	gamma-BHC-Lindane	Total Chlorinated Pesticides
2471	Aransas Bay	337	18607	-	-
		340	18610	-	-
		341	18270	-	-
		344	18613	-	-
		353	18620	-	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-	-
		338	18608	-	-
		343	18612	-	-
		356	18623	-	-
		357	18624	-	-
2481	Corpus Christi Bay	333	18603	-	-
		339	18609	-	-
		346	18614	-	-
		348	18616	-	-
		350	18618	-	-
		351	17758	-	-
		354	18621	-	-
2482	Nueces Bay	331	18601	-	-
		349	18617	-	-
		352	18619	-	-
2483	Redfish Bay	328	18236	-	-
2491	Laguna Madre	335	18605	-	-
		347	18615	-	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	327	18598	-	-
		329	18599	-	-
		334	18604	-	-
		336	18606	-	-
		342	18611	<b>3.03</b>	<b>3.03</b>
		345	18260	-	-
		358	18625	-	-

Table 6.13.4. Tissue concentrations (ng/g or ppb) of 23 PAH's at 31 of 32 RCAP 2004 sampling sites were all below detectable reporting limits. Missing site (1) reflects 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
2471	Aransas Bay	337	18607	-
		340	18610	-
		341	18270	-
		344	18613	-
		353	18620	-
2472	Copano Bay/Port Bay/Mission Bay	332	18602	-
		338	18608	-
		343	18612	-
		356	18623	-
		357	18624	-
2481	Corpus Christi Bay	333	18603	-
		339	18609	-
		346	18614	-
		348	18616	-
		350	18618	-
		351	17758	-
		354	18621	-
		355	18622	-
2482	Nueces Bay	331	18601	-
		349	18617	-
		352	18619	-
2483	Redfish Bay	328	18236	-
2491	Laguna Madre	335	18605	-
		347	18615	-
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	327	18598	-
		329	18599	-
		334	18604	-
		336	18606	-
		342	18611	-
		345	18260	-
		358	18625	-