

**US WIND
OFFSHORE ATLANTIC (DELAWARE)
SEPTEMBER 2016 SEDIMENT SAMPLE RESULTS**

LOCATION		VC-A-01	VC-A-02	VC-A-03	VC-A-03-DUP	VC-A-04-S1	VC-A-04-S2	VC-A-04-S3	VC-A-05	VC-A-06-S1	VC-A-06-S2											
SAMPLING DATE		9/10/2016	9/10/2016	9/7/2016	9/7/2016	9/10/2016	9/10/2016	9/10/2016	9/10/2016	9/13/2016	9/13/2016											
LAB SAMPLE ID		L1629122-01	L1629122-02	L1629122-03	L1629122-04	L1629122-05	L1629122-06	L1629122-07	L1629122-08	L1629122-09	L1629122-10											
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual										
Atterberg Limits																						
Liquid Limit		-	16		18		21		-	-	43		20		47		18		20		18	
Plastic Limit		-	15		19		22		-	-	28		17		33		19		18		18	
Plasticity Index		-	1		NP	U	NP	U	-	-	15		3		14		NP	U	2		NP	U
Density of Soil																						
Bulk Density		lbs/ft3	127.8		107.6		101.7		-	-	91.67		116.1		81.44		115.1		121		123.6	
Moisture		%	19.2		19.3		16.4		-	-	51		24.6		35.8		18.4		14.8		18.1	
Dry Density		lbs/ft3	107.3		90.23		87.36		-	-	60.73		93.14		59.97		97.18		105.4		104.6	
General Chemistry																						
Solids, Total		%	83.3		83.9		86.2		86.9		66.6		78.8		72.8		85.8		85.6		85.6	
Solids, Ash		%	83		83		86		-	-	63		78		71		86		85		82	
Nitrogen, Ammonia		mg/kg	2.2	J	4.3	J	8.3	U	8.5	U	20		11		77		8.4	U	2.8	J	8.7	U
Phosphorus, Total		mg/kg	68		35		23		31		520		130		200		93		110		120	
% Soot (Rep 1)		%	0.029		0.01	U	0.01	U	0.01	U	0.054		0.027		0.045		0.014		0.036		0.013	
% Soot (Rep 2)		%	0.028		0.01	U	0.016		0.01	U	0.053		0.026		0.05		0.013		0.058		0.01	U
Moisture		%	16.7		16.1		13.8		13.1		33.4		21.2		27.2		14.2		14.4		14.4	
Specific Gravity		-	2.48		2.69		2.62		-	-	2.65		2.63		2.72		2.71		2.68		2.47	
Organic Matter, Total		%	1.6		0.9		1		-	-	3.8		1.5		2.6		0.3		0.7		1	
Total Organic Carbon																						
Total Organic Carbon (Rep1)		mg/kg	2660		2470		1950		1110		500	U	14600		2120		500	U	1050		500	U
Total Organic Carbon (Rep2)		mg/kg	2210		1990		2160		942		500	U	8220		2060		547		816		500	U
Grain Size Analysis																						
Cobbles		%	0.1	U	0.1	U	0.1	U	-	-	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
% Coarse Gravel		%	0.1	U	0.1	U	0.1	U	-	-	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
% Fine Gravel		%	0.1		0.2		0.3		-	-	1.2		0.1	U	0.1	U	0.1	U	21.5		1	
% Coarse Sand		%	0.6		0.1		0.7		-	-	2.3		0.5		0.6		1.4		15.7		4.3	
% Medium Sand		%	16.3		15.3		28.8		-	-	27.2		22.4		11.4		32.7		45.2		51.7	
% Fine Sand		%	59.2		72.6		64.5		-	-	24.3		64.8		16.1		56.5		11.8		33.7	
% Silt Fine		%	20.2		10.8		5.2		-	-	37.2		11.1		64.9		8.9		5.5		8.3	
% Clay Fine		%	3.6		1		0.5		-	-	7.8		1.2		7		0.5		0.3		1	
% Total Fines		%	23.8		11.8		5.7		-	-	45		12.3		71.9		9.4		5.8		9.3	
Organochlorine Pesticides																						
4,4'-DDD	0.00122	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
4,4'-DDE	0.00207	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
4,4'-DDT	0.00119	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Aldrin		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
alpha-BHC	1.36	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
alpha-Chlordane		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
beta-BHC		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
delta-BHC		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Dieldrin	0.00072	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Endosulfan I	0.000107	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Endosulfan II	0.000107	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Endosulfan sulfate		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Endrin	0.00267	mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Endrin aldehyde		mg/kg	0.00011	U	0.00011	U	0.00011	U	0.00011	U	0.00014	U	0.00012	U	0.00013	U	0.00011	U	0.00011	U	0.00011	U
Endrin ketone		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
gamma-BHC		mg/kg	0.00015		0.00003		0.00003		0.00003		0.00004		0.00004		0.00004		0.00003		0.00003		0.00003	
gamma-Chlordane		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Heptachlor		mg/kg	0.00003	U	0.00003	U	0.00003	U	0.00003	U	0.00004	U	0.00004	U	0.00004	U	0.00003	U	0.00003	U	0.00003	U
Heptachlor epoxide (B)	0.0006	mg/kg	0.00007	U	0.00007	U	0.00007	U	0.00007	U	0.00009	U	0.00008	U	0.00009	U	0.00007	U	0.00007	U	0.00007	U
Methoxychlor	0.0296	mg/kg	0.00039	U	0.00039	U	0.00037	U	0.00038	U	0.00048	U	0.00041	U	0.00045	U	0.00038	U	0.00038	U	0.00038	U
Toxaphene	0.536	mg/kg	0.00198	U	0.00199	U	0.0019	U	0.00192	U	0.00243	U	0.00207	U	0.00229	U	0.00194	U	0.00193	U	0.00191	U
Chlordane		mg/kg	0.00198	U	0.00199	U	0.0019	U	0.00192	U	0.00243	U	0.00207	U	0.00229	U	0.00194	U	0.00193	U	0.00191	U

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	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual						
PAHs																						
Naphthalene	0.0346	mg/kg	0.00191	J	0.00157	J	0.00177	J	0.0016	J	0.00416	J	0.00191	J	0.00171	J	0.00138	J	0.00142	J	0.00297	J
Acenaphthylene		mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00073	J	0.00035	J	0.00037	J	0.00114	J	0.00449	U	0.00458	U
Acenaphthene	0.00671	mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00085	J	0.00095	J	0.00501	U	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Fluorene	0.0212	mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00184	J	0.00053	J	0.00544	U	0.00438	U	0.00449	U	0.00037	J
Phenanthrene	0.0867	mg/kg	0.0006	J	0.00474	U	0.00056	J	0.00444	U	0.00404	J	0.00116	J	0.00072	J	0.00438	U	0.00077	J	0.00078	J
Anthracene	0.0469	mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00113	J	0.00501	U	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Fluoranthene	0.113	mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.0031	J	0.00501	U	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Pyrene	0.153	mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00178	J	0.00054	J	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Benz(a)anthracene		mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00564	U	0.00501	U	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Chrysene	0.108	mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00191	J	0.00054	J	0.00049	J	0.00438	U	0.00449	U	0.00458	U
Benzo(b)fluoranthene		mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00564	U	0.00079	J	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Benzo(k)fluoranthene		mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00564	U	0.00501	U	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Benzo(a)pyrene	0.0888	mg/kg	0.00279	J	0.00298	J	0.00263	J	0.00263	J	0.00384	J	0.00313	J	0.00333	J	0.00262	J	0.00288	J	0.00269	J
Indeno(1,2,3-cd)pyrene		mg/kg	0.00334	J	0.00344	J	0.00297	J	0.00298	J	0.00531	J	0.00377	J	0.00387	J	0.00314	J	0.00334	J	0.00305	J
Dibenz(a,h)anthracene		mg/kg	0.00233	J	0.0024	J	0.00437	U	0.00444	U	0.00309	J	0.00257	J	0.00269	J	0.00438	U	0.00226	J	0.00458	U
Benzo(g,h,i)perylene		mg/kg	0.00203	J	0.00214	J	0.00183	J	0.00184	J	0.00383	J	0.00245	J	0.00251	J	0.0019	J	0.00208	J	0.00185	J
2-Methylnaphthalene	0.0202	mg/kg	0.00084	J	0.00059	J	0.00062	J	0.00066	J	0.00214	J	0.00081	J	0.00075	J	0.00438	U	0.00449	U	0.00125	J
2-Chloronaphthalene		mg/kg	0.00452	U	0.00474	U	0.00437	U	0.00444	U	0.00074	J	0.00501	U	0.00544	U	0.00438	U	0.00449	U	0.00458	U
Total Metals																						
Aluminum, Total		mg/kg	4020		1940		2980		2000		11700		2260		8890		1330		4410		5880	
Antimony, Total		mg/kg	0.069		0.04		0.035		0.035		0.108		0.028	J	0.096		0.027	J	0.037		0.034	J
Arsenic, Total	7.24	mg/kg	0.938		0.407		0.347		0.269		7.3		1.25		1.53		0.541		1.59		0.307	
Barium, Total		mg/kg	8.21		2.19		3.46		2.57		39.8		6.75		23.9		4.78		3.04		2.3	
Beryllium, Total		mg/kg	0.137		0.057		0.069		0.04		0.773		0.165		1.03		0.102		0.149		0.182	
Cadmium, Total	0.68	mg/kg	0.007	J	0.005	J	0.003	J	0.004	J	0.126		0.01	J	0.006	J	0.111		0.009	J	0.016	
Calcium, Total		mg/kg	164		123		120	J	105	J	1260		383		1960		135		2560		177	
Chromium, Total	52.3	mg/kg	4.56		2.59		3.74		3.1		35.4		5.82		22.6		2.81		6.17		5.02	
Cobalt, Total		mg/kg	0.554		0.745		0.363		0.243		10.2		1.06		6.2		2.01		1.16		0.782	
Copper, Total	18.7	mg/kg	1.5		0.726		1		0.751		8.45		1.46		6.1		1.17		1.73		1.75	
Iron, Total		mg/kg	1680		794		696		546		32300		4470		14600		1340		2600		1050	
Lead, Total	30.2	mg/kg	3.87		2.23		2.28		1.91		8.6		2.46		14.6		1.44		1.84		1.45	
Magnesium, Total		mg/kg	458		287		332		280		4610		489		2750		250		680		481	
Manganese, Total		mg/kg	5.04		3.25		3.49		3.01		210		17.9		80.2		7.64		15.4		7.02	
Mercury, Total	0.13	mg/kg	0.011	J	0.007	J	0.007	J	0.008	J	0.022		0.008	J	0.037		0.007	J	0.011	J	0.01	J
Nickel, Total	15.9	mg/kg	1.57		1.3		1.22		0.844		21.3		2.48		13.4		2.2		2.73		2.46	
Potassium, Total		mg/kg	363		202		286		215		2490		328		1480		144		353		258	
Selenium, Total		mg/kg	0.151		0.04	J	0.096		0.042	J	0.659		0.192		0.532		0.106		0.124		0.079	
Silver, Total	0.73	mg/kg	0.02	J	0.014	J	0.012	J	0.016	J	0.058		0.014	J	0.042		0.008	J	0.011	J	0.017	J
Sodium, Total		mg/kg	2340		1570		1590		1400		4930		1430		3470		623		2110		1710	
Thallium, Total		mg/kg	0.035	J	0.016		0.025		0.017		0.507		0.037		0.137		0.018		0.023	J	0.023	J
Vanadium, Total		mg/kg	8.49		4.29		6.14		4.38		34.8		6.47		12.4		2.79		9.56		6.35	
Zinc, Total	124	mg/kg	4.46		3.12		3.63		2.49		57.4		7.04		37.8		30.7		11.5		9.07	
Dioxins/Furans																						
2,3,7,8-TCDD		pg/g	0.906	U	0.931	U	0.933	U	0.914	U	0.947	U	0.944	U	0.953	U	0.958	U	0.949	U	0.893	U
1,2,3,7,8-PeCDD		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
1,2,3,4,7,8-HxCDD		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
1,2,3,6,7,8-HxCDD		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	40.6		4.79	U	4.75	U	4.47	U
1,2,3,7,8,9-HxCDD		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	20.5		4.79	U	4.75	U	4.47	U
1,2,3,4,6,7,8-HpCDD		pg/g	37.3		32.9		61.1		14.3		94.8		37		690		12.6		4.75	U	4.47	U
1,2,3,4,6,7,8,9-OCDD		pg/g	548		348		575		196		1660		911		5270	E	274		47.6		16.9	
2,3,7,8-TCDF		pg/g	0.906	U	0.931	U	0.933	U	0.914	U	0.947	U	0.944	U	0.953	U	0.958	U	0.949	U	0.893	U
1,2,3,7,8-PeCDF		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
2,3,4,7,8-PeCDF		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
1,2,3,4,7,8-HxCDF		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
1,2,3,6,7,8-HxCDF		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
2,3,4,6,7,8-HxCDF		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
1,2,3,7,8,9-HxCDF		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
1,2,3,4,6,7,8-HpCDF		pg/g	4.53	U	4.65	U	4.66	U	4.57	U	4.73	U	4.72	U	4.77	U	4.79	U	4.75	U	4.47	U
1,2,3,4,7,8,9-HpCDF		pg/g	4.53	U	4																	

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OFFSHORE ATLANTIC (DELAWARE)
SEPTEMBER 2016 SEDIMENT SAMPLE RESULTS**

LOCATION		VC-A-01	VC-A-02	VC-A-03	VC-A-03-DUP	VC-A-04-S1	VC-A-04-S2	VC-A-04-S3	VC-A-05	VC-A-06-S1	VC-A-06-S2										
SAMPLING DATE		9/10/2016	9/10/2016	9/7/2016	9/7/2016	9/10/2016	9/10/2016	9/10/2016	9/10/2016	9/13/2016	9/13/2016										
LAB SAMPLE ID		L1629122-01	L1629122-02	L1629122-03	L1629122-04	L1629122-05	L1629122-06	L1629122-07	L1629122-08	L1629122-09	L1629122-10										
DE-SIRS-ESM Units		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual										
PCB Congeners																					
1-MoCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
2-MoCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	3.31	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
3-MoCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
4-DiCB	pg/g	1.85	QU	1.82	QU	1.79	QU	1.89	QU	1.98	QU	1.88	QU	1.91	QU	1.85	QU	1.83	QU	1.82	QU
5-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
6-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
7-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
8-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
9-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
10-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
11-DiCB	pg/g	5.17	B	7.38	B	6	B	6.89	B	11.5	B	5.52	B	7.58	B	7.28	B	6.5	B	5.12	B
12-DiCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
13-DiCB	pg/g	-	C12	-	C12	-	C12	-	C12	-	C12	-	C12	-	C12	-	C12	-	C12	-	C12
14-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
15-DiCB	pg/g	1.85	U	1.82	U	1.79	U	1.97	CU	3.81	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
16-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
17-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
18-TrCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
19-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
20-TrCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	5.08	C	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
21-TrCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
22-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
23-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
24-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
25-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
26-TrCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
27-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
28-TrCB	pg/g	-	C20	-	C20	-	C20	-	C20	-	C20	-	C20	-	C20	-	C20	-	C20	-	C20
29-TrCB	pg/g	-	C26	-	C26	-	C26	-	C26	-	C26	-	C26	-	C26	-	C26	-	C26	-	C26
30-TrCB	pg/g	-	C18	-	C18	-	C18	-	C18	-	C18	-	C18	-	C18	-	C18	-	C18	-	C18
31-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	3.09	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
32-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
33-TrCB	pg/g	-	C21	-	C21	-	C21	-	C21	-	C21	-	C21	-	C21	-	C21	-	C21	-	C21
34-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
35-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
36-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
37-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	2.3	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
38-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
39-TrCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
40-TeCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
41-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
42-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
43-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
44-TeCB	pg/g	5.54	CU	5.46	CU	5.36	CU	5.66	CU	5.94	CU	5.65	CU	5.73	CU	5.55	CU	5.49	CU	5.47	CU
45-TeCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
46-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
47-TeCB	pg/g	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44
48-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
49-TeCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
50-TeCB	pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.7	CU	3.66	CU	3.65	CU
51-TeCB	pg/g	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45
52-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	2.37	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
53-TeCB	pg/g	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50
54-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
55-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
56-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
57-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
58-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U
59-TeCB	pg/g	5.54	CU	5.46	CU	5.36	CU	5.66	CU	5.94	CU	5.65	CU	5.73	CU	5.55	CU	5.49	CU	5.47	CU
60-TeCB	pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U	1.82	U

**US WIND
OFFSHORE ATLANTIC (DELAWARE)
SEPTEMBER 2016 SEDIMENT SAMPLE RESULTS**

LOCATION		VC-A-01	VC-A-02	VC-A-03	VC-A-03-DUP	VC-A-04-S1	VC-A-04-S2	VC-A-04-S3	VC-A-05	VC-A-06-S1	VC-A-06-S2	
SAMPLING DATE		9/10/2016	9/10/2016	9/7/2016	9/7/2016	9/10/2016	9/10/2016	9/10/2016	9/10/2016	9/13/2016	9/13/2016	
LAB SAMPLE ID		L1629122-01	L1629122-02	L1629122-03	L1629122-04	L1629122-05	L1629122-06	L1629122-07	L1629122-08	L1629122-09	L1629122-10	
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
61-TeCB		pg/g	7.39	CU	7.28	CU	7.14	CU	7.55	CU	7.92	CU
62-TeCB		pg/g	-	C59	-	C59	-	C59	-	C59	-	C59
63-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
64-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
65-TeCB		pg/g	-	C44	-	C44	-	C44	-	C44	-	C44
66-TeCB		pg/g	1.85	U	1.82	U	1.79	U	2.14	U	3.82	U
67-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
68-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
69-TeCB		pg/g	-	C49	-	C49	-	C49	-	C49	-	C49
70-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61
71-TeCB		pg/g	-	C40	-	C40	-	C40	-	C40	-	C40
72-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
73-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
74-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61
75-TeCB		pg/g	-	C59	-	C59	-	C59	-	C59	-	C59
76-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61
77-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
78-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
79-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
80-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
81-TeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
82-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
83-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
84-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
85-PeCB		pg/g	5.54	CU	5.46	CU	5.36	CU	5.66	CU	5.94	CU
86-PeCB		pg/g	11.1	CU	10.9	CU	10.7	CU	11.3	CU	11.9	CU
87-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86
88-PeCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
89-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
90-PeCB		pg/g	5.54	CU	5.46	CU	5.36	CU	3.77	CU	5.94	CU
91-PeCB		pg/g	-	C88	-	C88	-	C88	-	C88	-	C88
92-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
93-PeCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.96	CU	3.77	CU
94-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
95-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
96-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
97-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86
98-PeCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
99-PeCB		pg/g	1.85	U	1.82	U	1.79	U	2.0	U	2.26	U
100-PeCB		pg/g	-	C93	-	C93	-	C93	-	C93	-	C93
101-PeCB		pg/g	-	C90	-	C90	-	C90	-	C90	-	C90
102-PeCB		pg/g	-	C98	-	C98	-	C98	-	C98	-	C98
103-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
104-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
105-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
106-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
107-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
108-PeCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
109-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86
110-PeCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
111-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
112-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
113-PeCB		pg/g	-	C90	-	C90	-	C90	-	C90	-	C90
114-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
115-PeCB		pg/g	-	C110	-	C110	-	C110	-	C110	-	C110
116-PeCB		pg/g	-	C85	-	C85	-	C85	-	C85	-	C85
117-PeCB		pg/g	-	C85	-	C85	-	C85	-	C85	-	C85
118-PeCB		pg/g	1.85	U	1.82	U	1.79	U	2.15	U	3.29	U
119-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86
120-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
121-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U

**US WIND
OFFSHORE ATLANTIC (DELAWARE)
SEPTEMBER 2016 SEDIMENT SAMPLE RESULTS**

LOCATION		VC-A-01	VC-A-02	VC-A-03	VC-A-03-DUP	VC-A-04-S1	VC-A-04-S2	VC-A-04-S3	VC-A-05	VC-A-06-S1	VC-A-06-S2	
SAMPLING DATE		9/10/2016	9/10/2016	9/7/2016	9/7/2016	9/10/2016	9/10/2016	9/10/2016	9/10/2016	9/13/2016	9/13/2016	
LAB SAMPLE ID		L1629122-01	L1629122-02	L1629122-03	L1629122-04	L1629122-05	L1629122-06	L1629122-07	L1629122-08	L1629122-09	L1629122-10	
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
122-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
123-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
124-PeCB		pg/g	-	C108	-	C108	-	C108	-	C108	-	C108
125-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86
126-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
127-PeCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
128-HxCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
129-HxCB		pg/g	5.54	CU	5.46	CU	5.36	CU	5.66	CU	5.94	CU
130-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
131-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
132-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
133-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
134-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
135-HxCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
136-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
137-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
138-HxCB		pg/g	-	C129	-	C129	-	C129	-	C129	-	C129
139-HxCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
140-HxCB		pg/g	-	C139	-	C139	-	C139	-	C139	-	C139
141-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
142-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
143-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
144-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
145-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
146-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
147-HxCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
148-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
149-HxCB		pg/g	-	C147	-	C147	-	C147	-	C147	-	C147
150-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
151-HxCB		pg/g	-	C135	-	C135	-	C135	-	C135	-	C135
152-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
153-HxCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
154-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
155-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
156-HxCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
157-HxCB		pg/g	-	C156	-	C156	-	C156	-	C156	-	C156
158-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
159-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
160-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
161-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
162-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
163-HxCB		pg/g	-	C129	-	C129	-	C129	-	C129	-	C129
164-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
165-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
166-HxCB		pg/g	-	C128	-	C128	-	C128	-	C128	-	C128
167-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
168-HxCB		pg/g	-	C153	-	C153	-	C153	-	C153	-	C153
169-HxCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
170-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
171-HpCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
172-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
173-HpCB		pg/g	-	C171	-	C171	-	C171	-	C171	-	C171
174-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
175-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
176-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
177-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
178-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
179-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
180-HpCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU
181-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U
182-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U

**US WIND
OFFSHORE ATLANTIC (DELAWARE)
SEPTEMBER 2016 SEDIMENT SAMPLE RESULTS**

LOCATION		VC-A-01	VC-A-02	VC-A-03	VC-A-03-DUP	VC-A-04-S1	VC-A-04-S2	VC-A-04-S3	VC-A-05	VC-A-06-S1	VC-A-06-S2									
SAMPLING DATE		9/10/2016	9/10/2016	9/7/2016	9/7/2016	9/10/2016	9/10/2016	9/10/2016	9/10/2016	9/13/2016	9/13/2016									
LAB SAMPLE ID		L1629122-01	L1629122-02	L1629122-03	L1629122-04	L1629122-05	L1629122-06	L1629122-07	L1629122-08	L1629122-09	L1629122-10									
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual								
183-HpCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.96	CU	3.77	CU	3.82	CU	3.70	CU	3.66	CU	3.65	CU
184-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
185-HpCB		pg/g	-	C183	-	C183	-	C183	-	C183	-	C183	-	C183	-	C183	-	C183	1.82	C183
186-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
187-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	2.70	CU	1.88	U	1.91	U	1.85	U	1.83	U
188-HpCB		pg/g	1.85	U	1.82	U	1.86	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
189-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
190-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
191-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
192-HpCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
193-HpCB		pg/g	-	C180	-	C180	-	C180	-	C180	-	C180	-	C180	-	C180	-	C180	-	C180
194-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
195-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
196-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
197-OcCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.70	CU	3.66	CU
198-OcCB		pg/g	3.7	CU	3.64	CU	3.57	CU	3.77	CU	3.96	CU	3.77	CU	3.82	CU	3.70	CU	3.66	CU
199-OcCB		pg/g	-	C198	-	C198	-	C198	-	C198	-	C198	-	C198	-	C198	-	C198	-	C198
200-OcCB		pg/g	-	C197	-	C197	-	C197	-	C197	-	C197	-	C197	-	C197	-	C197	-	C197
201-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
202-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
203-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
204-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
205-OcCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
206-NoCB		pg/g	1.85	U	2.76	U	3.9	U	2.33	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
207-NoCB		pg/g	1.85	U	1.82	U	1.79	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
208-NoCB		pg/g	1.85	U	1.82	U	2.38	U	1.89	U	1.98	U	1.88	U	1.91	U	1.85	U	1.83	U
209-DeCB		pg/g	1.85	U	4.53	U	6.24	U	4.05	U	2.59	U	1.88	U	1.91	U	1.85	U	1.93	U
Total PCB Congeners		pg/g	5.17	B	14.7	B	20.4	B	21.5	B	51.3	B	5.52	B	7.58	B	7.28	B	10.4	B

*DE-SIRS-ESM: DNREC SIRS Ecological Marine Sediment Screening Levels Criteria per DNREC SIRS Screening Level Table - Updated July 2016.

U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit(MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for TentativelyIdentified Compounds (TICs).

C - Congener has coeluters. When Cxxx, refer to congener number xxx for data.

B - The target analyte was detected in the associated blank.

Q - Quantitative Interference; value is estimated

Blue shading indicates congener included on NOAA PCB Congener List.

lbs/ft³ - pounds per cubic foot; mg/kg - milligrams per kilogram; pg/g - picogram per gram

**US WIND
INDIAN RIVER BAY
OCTOBER 2017 SEDIMENT SAMPLE RESULTS**

LOCATION	VC-IRB-01	VC-IRB-02	VC-IRB-25*	VC-IRB-03-S1	VC-IRB-03-S2	VC-IRB-04	VC-IRB-05-S1	VC-IRB-05-S2	VC-IRB-06	VC-IRB-07-ALT-S1	VC-IRB-07-ALT-S2	VC-IRB-08-ALT-S1	VC-IRB-08-ALT-S2	VC-IRB-08-ALT-S3				
SAMPLING DATE	10/7/2017	10/7/2017	10/7/2017	10/7/2017	10/7/2017	10/6/2017	10/6/2017	10/6/2017	10/6/2017	10/7/2017	10/7/2017	10/8/2017	10/8/2017	10/8/2017				
LAB SAMPLE ID	L1736278-01	L1736278-02	L1736278-18	L1736278-03	L1736278-04	L1736278-05	L1736278-06	L1736278-07	L1736278-08	L1736278-09	L1736278-10	L1736278-11	L1736278-12	L1736278-13				
SAMPLE TYPE																		
SAMPLE DEPTH (ft.)																		
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Atterberg Limits																		
Liquid Limit	-		52		70		-	-	40		62		57		60		90	
Plastic Limit	-		42		56		-	-	30		50		49		48		93	
Plasticity Index	-		10		14		-	-	10		12		8		12		NP U	
Density of Soil																		
Bulk Density		lbs/ft3	90.58		71.79		-	-	91.08		72.17		86.55		77.58		62.19	
Moisture Content		%	113		161		-	-	71.6		176		94.1		135		578	
Dry Density		lbs/ft3	42.61		27.5		-	-	53.09		26.1		44.59		33.03		9.179	
General Chemistry																		
Solids, Total		%	43.6		33.9		37.3		60		32.6		45.5		41		13.9	
Nitrogen, Ammonia		mg/kg	130		220		180		17		52		150		94		430	
Phosphorus, Total		mg/kg	530		1100		450		300		550		780		700		740	
Solids, Ash		%	94		90		-		96		83		92		93		43	
Organic Matter, Total		%	6.1		9.8		-		3.7		17		8.2		6.6		57	
% Soot (Rep 1)		%	0.05	U	0.108		0.607		0.062		0.05	U	0.05	U	0.097		1.36	
% Soot (Rep 2)		%	0.05	U	0.1		0.597		0.065		0.05	U	0.05	U	0.09		1.41	
Moisture		%	56.4		66.1		62.7		40		67.4		54.5		59		85.6	
Specific Gravity		-	2.27		2.9		-		2.58		2.44		2.59		2.44		1.61	
Total Organic Carbon																		
Total Organic Carbon (Rep1)		%	3.24		4.27		4.54		1.62		8.29		4.66		3.04		31.3	
Total Organic Carbon (Rep2)		%	2.63		4.33		4.45		1.94		7.83		3.78		2.86		30.5	
Grain Size Analysis																		
Cobbles		%	0.1	U	0.1	U	-		0.1	U	0.1	U	0.1	U	0.1	U	0.1	
% Coarse Gravel		%	0.1	U	0.1	U	-		0.1	U	0.1	U	0.1	U	0.1	U	0.1	
% Fine Gravel		%	1.1		21.7		-		1		0.6		0.1		0.8		14.3	
% Total Gravel		%	1.1		21.7		-		1		0.6		0.1		0.8		14.3	
% Coarse Sand		%	7.9		14.9		-		2.1		6.2		3.6		22.2		7.8	
% Medium Sand		%	28		11		-		20.1		18		9.1		7.2		8.9	
% Fine Sand		%	28.9		10		-		44.5		22.8		12.4		15.8		3.8	
% Total Sand		%	64.8		35.9		-		66.7		47		25.1		32.6		34.9	
% Silt Fine		%	32.9		35.3		-		28.6		45.1		65.5		57.6		49.1	
% Clay Fine		%	1.2		7.1		-		3.7		7.3		9.4		9		1.7	
% Total Fines		%	34.1		42.4		-		32.3		52.4		74.9		66.6		50.8	
Organochlorine Pesticides by GC																		
alpha-BHC	1.36	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Hexachlorobenzene		mg/kg	0.00088	U	0.00112	U	0.00101	U	0.000621	U	0.00118	U	0.000816	U	0.000892	U	0.00275	U
beta-BHC		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
gamma-BHC		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
delta-BHC		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Heptachlor		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Aldrin		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Heptachlor epoxide (B)	0.0006	mg/kg	0.00088	U	0.00112	U	0.00101	U	0.000621	U	0.00118	U	0.000816	U	0.000892	U	0.00275	U
Oxychlorane		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
gamma-Chlordane		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
2,4'-DDE		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Endosulfan I	0.00107	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
alpha-Chlordane		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
trans-Nonachlor		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
4,4'-DDE	0.00207	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Dieldrin	0.00072	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
2,4'-DDD		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Endrin	0.00267	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.000645	U	0.000408	U	0.000446	U	0.00138	U
Endosulfan II	0.00107	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
4,4'-DDD	0.00122	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
2,4'-DDT		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
cis-Nonachlor		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Endrin aldehyde		mg/kg	0.00132	U	0.00167	U	0.00151	U	0.000932	U	0.00177	U	0.00122	U	0.00134	U	0.00413	U
Endosulfan sulfate		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
4,4'-DDT	0.00119	mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Endrin ketone		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Methoxychlor	0.0296	mg/kg	0.0044	U	0.00558	U	0.00504	U	0.00311	U	0.0059	U	0.00408	U	0.00446	U	0.0138	U
Mirex		mg/kg	0.00044	U	0.000558	U	0.000504	U	0.000311	U	0.00059	U	0.000408	U	0.000446	U	0.00138	U
Toxaphene	0.536	mg/kg	0.0221	U	0.028	U	0.0253	U	0.0156	U	0.0296	U	0.0205	U	0.0224	U	0.0691	U
Chlordane		mg/kg	0.0221	U	0.028	U	0.0253	U	0.0156	U	0.0296	U	0.0205	U	0.0224	U	0.0691	U
PAHs by GC/MS-SIM																		
Naphthalene	0.0346	mg/kg	0.00459	J	0.00882	J	0.0104	J	0.00385	J	0.0117	J	0.00381	J	0.00592	J	0.0411	J
Acenaphthylene		mg/kg	0.00853	U	0.00203	J	0.000847	J	0.00657	U	0.000924	J	0.0082	U	0.0095	J	0.00375	J
Acenaphthene	0.00671	mg/kg	0.00126	J	0.00278	J	0.0021	J	0.00168	J	0.00249	J	0.00162	J	0.00138	J	0.00752	J
Fluorene	0.0212	mg/kg	0.00194	J	0.00515	J	0.00398	J	0.00157	J	0.00306	J	0.0021	J	0.00224	J	0.0133	J
Phenanthrene	0.0867	mg/kg	0.00294	J	0.00955	J	0.008	J	0.003	J	0.00781	J	0.0044	J	0.00432	J	0.045	J
Anthracene	0.0469	mg/kg	0.00853	U	0.00326	J	0.00263	J	0.000908	J	0.00167	J	0.00112	J	0.0014	J	0.00638	J
Fluoranthene	0.113	mg/kg	0.00311	J	0.0167	J	0.0138	J	0.00448	J	0.00697	J	0.00436	J	0.00626	J	0.0223	J
Pyrene	0.153	mg/kg	0.00334	J	0.0159	J	0.0											

**US WIND
INDIAN RIVER BAY
OCTOBER 2017 SEDIMENT SAMPLE RESULTS**

LOCATION	VC-IRB-01	VC-IRB-02	VC-IRB-25*	VC-IRB-03-S1	VC-IRB-03-S2	VC-IRB-04	VC-IRB-05-S1	VC-IRB-05-S2	VC-IRB-06	VC-IRB-07-ALT-S1	VC-IRB-07-ALT-S2	VC-IRB-08-ALT-S1	VC-IRB-08-ALT-S2	VC-IRB-08-ALT-S3																		
SAMPLING DATE	10/7/2017	10/7/2017	10/7/2017	10/7/2017	10/7/2017	10/6/2017	10/6/2017	10/6/2017	10/6/2017	10/7/2017	10/7/2017	10/8/2017	10/8/2017	10/8/2017																		
LAB SAMPLE ID	L1736278-01	L1736278-02	L1736278-18	L1736278-03	L1736278-04	L1736278-05	L1736278-06	L1736278-07	L1736278-08	L1736278-09	L1736278-10	L1736278-11	L1736278-12	L1736278-13																		
SAMPLE TYPE																																
SAMPLE DEPTH (ft.)																																
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual														
Total Metals																																
Aluminum, Total		mg/kg	11100		19000		17100		6680		13400		13500		15900		7500		15300		10400		1780		12700		11500		2860			
Antimony, Total		mg/kg	0.102	J	0.142	J	0.148	J	0.063	J	0.082	J	0.072	J	0.148	J	0.274	J	0.139	J	0.157	J	0.402	U	0.198	J	2.28	U	0.382	U		
Arsenic, Total	7.24	mg/kg	5.86		11.8		10.1		4.04		10.6		7.43		10.3		2.95		8.21		5.92		0.502		10.5		5.09		0.761			
Barium, Total		mg/kg	32		59.1		57.4		16.1		119		113		33.5		15.6		35.7		26.5		5.15		30.2		18.3		4.28			
Beryllium, Total		mg/kg	0.734		1.21		1.08		0.42		0.956		0.914		0.606		0.974		0.58		0.066	J	0.645		0.528		0.158					
Cadmium, Total	0.68	mg/kg	0.078	J	0.281		0.267		0.102		0.287		0.141		0.091	J	0.202		0.201		0.05	U	0.223		0.099	J	0.048		U			
Calcium, Total		mg/kg	1390		2590		2330		3740		1170		1520		2390		5950		2860		2440		75.7	J	2540		4880		162			
Chromium, Total	52.3	mg/kg	23.7		44.9		40.9		14.4		27.6		38.2		35.6		18		34.1		23.4		1.72		33.5		26.4		2.32			
Cobalt, Total		mg/kg	5.46		10.5		9.58		5.1		35.8		11.8		8.56		3.76		7.5		4.53		0.424		7.37		4.38		0.579			
Copper, Total	18.7	mg/kg	4.64		14.8		13.2		4.46		5.47		7.96		9.86		3.68		7.96		9.09		0.494	J	10.9		5.29		0.845			
Iron, Total		mg/kg	21200		28900		25400		11700		13500		19400		26100		17200		30500		19400		1440		20800		19600		2470			
Lead, Total	30.2	mg/kg	6.18		17.9		15.8		5.49		6.49		9.68		12.9		3.9		8.65		12.7		1.46		14.3		5.76		2.07			
Magnesium, Total		mg/kg	4080		8190		7290		2670		6300		3170		7460		7540		7150		4810		208		5970		5060		290			
Manganese, Total		mg/kg	107		273		243		75.5		162		231		203		64.1		171		135		10.5		197		85.4		15.8			
Mercury, Total	0.13	mg/kg	0.012	J	0.06		0.052		0.017	J	0.007	J	0.012	J	0.03	J	0.108	U	0.017	J	0.053		0.019	U	0.047		0.096	U	0.003	J		
Nickel, Total	15.9	mg/kg	12.1		23.8		21.1		7.41		16.9		21.7		19		9.92		17.2		11.8		0.917		17.5		13.7		1.38			
Potassium, Total		mg/kg	1780		3400		3040		1170		1830		3250		2020		3090		1960		1960		90.5		2710		2230		129			
Selenium, Total		mg/kg	2.18		4.04		3.66		1.3		4.59		3.02		1.96	J	2.85		1.79		0.503	U	2.58		2.18	J	0.671					
Silver, Total	0.73	mg/kg	0.029	J	0.119	J	0.105	J	0.031	J	0.3	U	0.031	J	0.061	J	0.719	U	0.047	J	0.1	J	0.126	U	0.094	J	0.714	U	0.119	U		
Sodium, Total		mg/kg	3130		5240		4770		2700		1820		1060		6090		13600		7720		5640		234		3030		10200		282			
Thallium, Total		mg/kg	0.101		0.211		0.172		0.078		0.367		0.175		0.162		0.098	J	0.163		0.117		0.018	J	0.175		0.105	J	0.028	J		
Vanadium, Total		mg/kg	23.6		42.2		38.8		14		36.2		35.7		24.5		35.1		23.2		2.43		2.43		32.2		31.2		3.72			
Zinc, Total	124	mg/kg	35.6		90.8		79.5		27.7		53.3		59.5		62.9		14.2	J	51.2		50		2.53		65.8		23.7		4.45			
Dioxins/Furans																																
2,3,7,8-TCDD		pg/g	0.991	U	1.05	U	1.05	U	1	U	0.996	U	1.01	U	1	U	2.61	U	1.17	U	1.04	U	1	U	0.988	U	2.48	U	0.987	U		
1,2,3,7,8-PeCDD		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,4,7,8-HxCDD		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,6,7,8-HxCDD		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,7,8,9-HxCDD		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	6.49		13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,4,6,7,8-HpCDD		pg/g	4.96	U	67.8		38.3		7.57		4.98	U	21		133		13	U	12.5		5	U	12.8		5	U	66.7		12.4	U	25.7	U
1,2,3,4,6,7,8,9-OCDD		pg/g	25.2		999		600		110		97		202		2480		64.2		188		224		45		1150		61		492			
2,3,7,8-TCDF		pg/g	0.991	U	1.15		1.05	U	1	U	0.996	U	1.01	U	1.4		2.61	U	1.17	U	1.04	U	1	U	0.988	U	2.48	U	0.987	U		
1,2,3,7,8-PeCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
2,3,4,7,8-PeCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,4,7,8-HxCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,6,7,8-HxCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
2,3,4,6,7,8-HxCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,7,8,9-HxCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,4,6,7,8-HpCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,4,7,8,9-HpCDF		pg/g	4.96	U	5.27	U	5.23	U	5	U	4.98	U	5.03	U	5	U	13	U	5.85	U	5.22	U	5	U	4.94	U	12.4	U	4.94	U		
1,2,3,4,6,7,8,9-OCDF		pg/g	9.91	U	10.5	U	10.5	U	10	U	9.96	U	10.1	U	10	U	26.1	U	11.7	U	10.4	U	10	U	9.88	U	24.8	U	9.87	U		
PCB Congeners																																
1-MoCB		pg/g	2.62	U	6.96		6.95		2.17	U	3.07	U	2.63	U	3.18	U	8.7	U	3.94		8.89		1.98	U	7.74		8.17	U	1.99	U		
2-MoCB		pg/g	2.78		25.5		20.3		8.23		3.07	U	3.9		11		8.7	U	6.1		21.7		1.98	U	19.3		8.17	U	1.99	U		
3-MoCB		pg/g	2.62	U	3.48	U	8.71		3.24		3.07	U	2.63	U	6.27		8.7	U	3.87	U	9.97		1.98	U	8.66		8.17	U	1.99	U		
4-DiCB		pg/g	3.44		3.48	U	10.1		4.73		3.07	U	2.63	U	3.18	U	8.7	U	6.95		19.1		1.98	U	13.9		8.					

**US WIND
INDIAN RIVER BAY
OCTOBER 2017 SEDIMENT SAMPLE RESULTS**

LOCATION	VC-IRB-01	VC-IRB-02	VC-IRB-35*	VC-IRB-03-S1	VC-IRB-03-S2	VC-IRB-04	VC-IRB-05-S1	VC-IRB-05-S2	VC-IRB-06	VC-IRB-07-ALT-S1	VC-IRB-07-ALT-S2	VC-IRB-08-ALT-S1	VC-IRB-08-ALT-S2	VC-IRB-08-ALT-S3		
SAMPLING DATE	10/7/2017	10/7/2017	10/7/2017	10/7/2017	10/7/2017	10/6/2017	10/6/2017	10/6/2017	10/6/2017	10/7/2017	10/7/2017	10/8/2017	10/8/2017	10/8/2017		
LAB SAMPLE ID	L1736278-01	L1736278-02	L1736278-18	L1736278-03	L1736278-04	L1736278-05	L1736278-06	L1736278-07	L1736278-08	L1736278-09	L1736278-10	L1736278-11	L1736278-12	L1736278-13		
SAMPLE TYPE																
SAMPLE DEPTH (ft.)																
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
50-TeCB		pg/g	5.25	CU	6.96	CU	6.96	CU	4.34	CU	6.13	CU	5.27	CU	6.35	CU
51-TeCB		pg/g	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45
52-TeCB		pg/g	2.62	U	55.1	U	41.5	U	13.9	U	3.07	U	2.63	U	55.4	U
53-TeCB		pg/g	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50
54-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
55-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
56-TeCB		pg/g	2.62	U	42.1	U	29.9	U	10.7	U	3.07	U	2.63	U	26.5	U
57-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
58-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
59-TeCB		pg/g	7.87	CU	10.4	CU	10.4	CU	6.51	CU	5.27	CU	9.53	CU	26.1	CU
60-TeCB		pg/g	2.62	U	13.8	U	9.79	U	3.62	U	3.07	U	2.63	U	9.36	U
61-TeCB		pg/g	10.5	CU	139	C	111	C	37.1	C	12.3	CU	10.5	CU	102	C
62-TeCB		pg/g	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59
63-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
64-TeCB		pg/g	2.62	U	19.2	U	14.7	U	4.99	U	3.07	U	2.63	U	17.5	U
65-TeCB		pg/g	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44
66-TeCB		pg/g	2.62	U	124	U	89	U	32.9	U	3.07	U	2.63	U	81.2	U
67-TeCB		pg/g	2.62	U	3.52	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
68-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
69-TeCB		pg/g	-	C49	-	C49	-	C49	-	C49	-	C49	-	C49	-	C49
70-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61
71-TeCB		pg/g	-	C40	-	C40	-	C40	-	C40	-	C40	-	C40	-	C40
72-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
73-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
74-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61
75-TeCB		pg/g	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59
76-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61
77-TeCB		pg/g	2.62	U	32.4	U	24.3	U	7.28	U	3.07	U	2.63	U	13.7	U
78-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
79-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
80-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
81-TeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
82-PeCB		pg/g	2.62	U	3.48	U	4	U	2.17	U	3.07	U	2.63	U	5.7	U
83-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	4.1	U
84-PeCB		pg/g	2.62	U	13	U	10.7	U	3.24	U	3.07	U	2.63	U	17.8	U
85-PeCB		pg/g	7.87	CU	14.4	C	11.0	C	6.51	CU	9.2	CU	7.9	CU	12.7	C
86-PeCB		pg/g	15.7	CU	45.3	C	33.5	C	13	CU	18.4	CU	15.8	CU	47.2	C
87-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
88-PeCB		pg/g	5.25	CU	16.8	C	12.6	C	4.34	CU	6.13	CU	5.27	CU	17.4	C
89-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
90-PeCB		pg/g	7.87	CU	92.2	C	67.4	C	23.7	C	9.2	CU	7.9	CU	95.4	C
91-PeCB		pg/g	-	C88	-	C88	-	C88	-	C88	-	C88	-	C88	-	C88
92-PeCB		pg/g	2.62	U	13.7	U	11.7	U	4.01	U	3.07	U	2.63	U	15.6	U
93-PeCB		pg/g	5.25	CU	6.96	CU	6.96	CU	4.34	CU	6.13	CU	5.27	CU	6.35	CU
94-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
95-PeCB		pg/g	2.62	U	42.7	U	34.2	U	11.1	U	3.07	U	2.63	U	52.7	U
96-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
97-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
98-PeCB		pg/g	5.25	CU	6.96	CU	6.96	CU	4.34	CU	6.13	CU	5.27	CU	6.35	CU
99-PeCB		pg/g	2.62	U	96.8	U	62.5	U	25.9	U	3.07	U	2.63	U	96.4	U
100-PeCB		pg/g	-	C93	-	C93	-	C93	-	C93	-	C93	-	C93	-	C93
101-PeCB		pg/g	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90
102-PeCB		pg/g	-	C98	-	C98	-	C98	-	C98	-	C98	-	C98	-	C98
103-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
104-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
105-PeCB		pg/g	2.62	U	38.8	U	32.5	U	11.2	U	3.07	U	2.63	U	33.3	U
106-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
107-PeCB		pg/g	2.62	U	11.6	U	10.9	U	3.58	U	3.07	U	2.63	U	8.37	U
108-PeCB		pg/g	5.25	CU	6.96	CU	6.96	CU	4.34	CU	6.13	CU	5.27	CU	6.35	CU
109-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
110-PeCB		pg/g	5.25	CU	78.3	C	66.3	C	23.3	C	6.13	CU	5.27	CU	77.4	C
111-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
112-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
113-PeCB		pg/g	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90
114-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
115-PeCB		pg/g	-	C110	-	C110	-	C110	-	C110	-	C110	-	C110	-	C110
116-PeCB		pg/g	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85
117-PeCB		pg/g	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85
118-PeCB		pg/g	2.62	U	130	U	109	U	36.2	U	3.07	U	2.63	U	112	U
119-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
120-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
121-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
122-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
123-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
124-PeCB		pg/g	-	C108	-	C108	-	C108	-	C108	-	C108	-	C108	-	C108
125-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
126-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
127-PeCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
128-HxCB		pg/g	5.25	CU	18.9	C	15.2	C	5.24	C	6.13	CU	5.27	CU	15.9	C
129-HxCB		pg/g	7.87	CU	141	C	118	C	41.8	C	9.2	CU	7.9	CU	117	C
130-HxCB		pg/g	2.62	U	8.42	U	7.78	U	2.59	U	3.07	U	2.63	U	6.87	U
131-HxCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
132-HxCB		pg/g	2.62	U	22.7	U	18.2	U	2.17	U	3.07	U	2.63	U	21.5	U
133-HxCB		pg/g	2.62	U	4.34	U	3.62	U	2.17	U	3.07	U	2.63	U	3.18	U
134-HxCB		pg/g	2.62	U	4.91	U	4.05	U	2.17	U	3.07	U	2.63	U	5.23	U
135-HxCB		pg/g	5.25	CU	35.2	C	28.4	C	4.34	CU	6.13	CU	5.27	CU	31.6	C
136-HxCB		pg/g	2.62	U	12.3	U	8.66	U	3.46	U	3.07	U	2.63	U	12.8	U
137-HxCB		pg/g	2.62	U	3.48	U	3.48	U	2.17	U	3.07	U	2.63	U	3.18	U
138-HxCB		pg/g	-	C129	-	C129	-	C129	-	C129	-	C129	-	C129	-	C129
139-HxCB		pg/g	5.25	CU	6.96	CU	6.96	CU	4.34	CU	6.13	CU	5.27	CU	6.35	CU
140-HxCB																

**US WIND
INDIAN RIVER BAY
OCTOBER 2017 SEDIMENT SAMPLE RESULTS**

LOCATION	VC-IRB-09-ALT	VC-IRB-10	VC-IRB-12-S1	VC-IRB-12-S2	VC-IRB-14-ALT-S1	VC-IRB-14-ALT-S2	VC-IRB-15-ALT-S1	VC-IRB-15-ALT-S2	VC-IRB-11-ALT-S1	VC-IRB-11-ALT-S2	VC-IRB-24-S1	VC-IRB-24-S2	VC-IRB-13-ALT-S1	VC-IRB-13-ALT-S2																
SAMPLING DATE	10/8/2017	10/7/2017	10/6/2017	10/6/2017	10/9/2017	10/9/2017	10/9/2017	10/9/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017																
LAB SAMPLE ID	L1736278-14	L1736278-15	L1736278-16	L1736278-17	L1736485-01	L1736485-02	L1736485-03	L1736485-04	L1736603-01	L1736603-02	L1736603-03	L1736603-04	L1736603-05	L1736603-06																
SAMPLE TYPE																														
SAMPLE DEPTH (ft.)																														
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual												
Atterberg Limits																														
Liquid Limit	-		55		46		48		19		28		36		27		35		19		55		48		69		25		39	
Plastic Limit	-		50		43		41		20		22		23		26		29		16		46		42		62		27		35	
Plasticity Index	-		5		3		7		NP	U	5		5		1		6		3		9		6		7		NP	U	4	
Density of Soil																														
Bulk Density		lbs/ft3	83.05		92.28		94.94		98.27		84.6		94.31		93.57		102.9		94.05		77.27		89.41		71.2		84.63		84.69	
Moisture Content		%	99		82.6		77.36		59.8		22.2		28.9		23.4		32.8		18		69.8		51.5		93		21.6		15.2	
Dry Density		lbs/ft3	41.74		50.55		77.36		61.5		73.17		73.17		75.83		77.48		79.7		45.5		59		36.9		69.6		73.5	
General Chemistry																														
Solids, Total		%	44.7		55		76.7		57.6		82.8		66.3		82.6		66.4		77.8		48.1		44.9		33.3		79.6		67	
Nitrogen, Ammonia		mg/kg	97		28		14		120		3.6	J	30		9	U	22		9.4	U	67		64		200		6.5	J	80	
Phosphorus, Total		mg/kg	300		460		450		460		110		290		61		280		93		410		180		480		84		340	
Solids, Ash		%	94		96		99		97		100		98		100		98		99		91		96		87		100		97	
Organic Matter, Total		%	6		3.8		0.61		3.3		0.34		2.1		0.47		2		0.55		0.59		3.9		13		0.29		2.9	
% Soot (Rep 1)		%	0.05	U	0.118		0.05	U	0.156		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.087		0.077		0.233		0.05	U	0.056	
% Soot (Rep 2)		%	0.05	U	0.103		0.05	U	0.191		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.11		0.081		0.227		0.05	U	0.061	
Moisture		%	53.8		45		21.8		42.4		17.2		32.6		17.4		33.6		22.2		51.9		48.9		65.9		20.4		36.4	
Specific Gravity		-	2.63		2.43		3.09		2.8		2.54		2.82		2.48		2.87		2.8		2.67		2.16		2.48		2.79		2.65	
Total Organic Carbon																														
Total Organic Carbon (Rep1)		%	2.82		1.74		0.181		1.22		0.051		0.645		0.087		0.659		0.2		5.02		1.45		6.59		0.093		1.01	
Total Organic Carbon (Rep2)		%	2.86		1.67		0.21		1.27		0.05	U	0.621		0.084		0.64		0.174		4.59		1.51		5.91		0.05	U	0.892	
Grain Size Analysis																														
Cobbles		%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
% Coarse Gravel		%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
% Fine Gravel		%	1.2		0.8		0.7		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	1.1		0.1	U	4		0.1	U	0.1	U
% Total Gravel		%	1.2		0.8		0.7		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	1.1		0.1	U	4		0.1	U	0.1	U
% Coarse Sand		%	5.7		5.1		0.1	U	2.5		0.1	U	0.1	U	0.1	U	0.1	U	1		8.8		7.1		18.8		0.1	U	1.5	U
% Medium Sand		%	7.3		8.2		11		6.2		0.2		8.8		0.3		11.1		38.5		22.3		9.2		20		0.1		8.7	
% Fine Sand		%	20.7		27.3		66.3		26.9		93.4		47.4		91.1		48.3		19.1		55.1		19.1		16.2		17.5		24.5	
% Total Sand		%	33.7		40.6		77.3		35.6		93.6		56.2		91.4		59.4		64.6		50.2		32.5		56.3		24.6		35.2	
% Silt Fine		%	44.8		47.7		19.5		56.8		5.2		33.6		5.4		30.1		5.2		38.9		49.6		30.4		69.3		55.6	
% Clay Fine		%	20.3		10.9		2.5		7.6		1.2		10.2		3.2		10.5		0.2		9.8		17.9		9.3		6.1		9.2	
% Total Fines		%	65.1		58.6		43.8		64.4		6.4		43.8		8.6		40.6		5.4		48.7		67.5		39.7		75.4		64.8	
Organochlorine Pesticides by GC																														
alpha-BHC	1.36	mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
Hexachlorobenzene		mg/kg	0.000869	U	0.000702	U	0.00049	U	0.000661	U	0.000819	U	0.000572	U	0.000885	U	0.000555	U	0.000877	U	0.000781	U	0.000878	U	0.00112	U	0.000896	U	0.000563	U
beta-BHC		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
gamma-BHC		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
delta-BHC		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
Heptachlor		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
Aldrin		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
Heptachlor epoxide (B)	0.006	mg/kg	0.000869	U	0.000702	U	0.00049	U	0.000661	U	0.000819	U	0.000572	U	0.000885	U	0.000555	U	0.000877	U	0.000781	U	0.000878	U	0.00112	U	0.000896	U	0.000563	U
Oxychlorodane		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
gamma-Chlordane		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
2,4'-DDE		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
Endosulfan I	0.00107	mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
alpha-Chlordane		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
trans-Nonachlor		mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U	0.000409	U	0.000286	U	0.000443	U	0.000278	U	0.000439	U	0.00039	U	0.000439	U	0.000561	U	0.000448	U	0.000282	U
4,4'-DDE	0.00207	mg/kg	0.000434	U	0.000351	U	0.000245	U	0.00033	U</																				

**US WIND
INDIAN RIVER BAY
OCTOBER 2017 SEDIMENT SAMPLE RESULTS**

LOCATION	VC-IRB-09-ALT	VC-IRB-10	VC-IRB-12-S1	VC-IRB-12-S2	VC-IRB-14-ALT-S1	VC-IRB-14-ALT-S2	VC-IRB-15-ALT-S1	VC-IRB-15-ALT-S2	VC-IRB-11-ALT-S1	VC-IRB-11-ALT-S2	VC-IRB-24-S1	VC-IRB-24-S2	VC-IRB-13-ALT-S1	VC-IRB-13-ALT-S2																
SAMPLING DATE	10/8/2017	10/7/2017	10/6/2017	10/6/2017	10/9/2017	10/9/2017	10/9/2017	10/9/2017	10/9/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017																
LAB SAMPLE ID	L1736278-14	L1736278-15	L1736278-16	L1736278-17	L1736485-01	L1736485-02	L1736485-03	L1736485-04	L1736603-01	L1736603-02	L1736603-03	L1736603-04	L1736603-05	L1736603-06																
SAMPLE TYPE																														
SAMPLE DEPTH (ft.)																														
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual								
Total Metals																														
Aluminum, Total		mg/kg	15700		11200		1400		11400		1780		8130		2190		7880		1780		13200		15700		16500		1160		8780	
Antimony, Total		mg/kg	0.129	J	0.158	J	0.411	U	0.191	J	0.369	U	0.054	J	0.074	J	0.071	J	0.041	J	0.078	J	0.16	J	0.094	J	0.399	U	0.045	J
Arsenic, Total	7.24	mg/kg	10.6		8.65		0.896		5.6		1.19		5.18		1.35		5.01		1.12		6.24		12		7.59		0.835		5.39	
Barium, Total		mg/kg	43.4		30.8		3.14		28.3		5.48		24.5		6.02		22.6		3.2		37.3		37.2		42.3		2.67		24.4	
Beryllium, Total		mg/kg	0.713		0.544		0.057	J	0.474		0.064	J	0.306		0.078		0.319		0.065	J	0.575		0.69		0.754		0.049	J	0.358	
Cadmium, Total	0.68	mg/kg	0.11		0.123		0.022	J	0.187		0.011	J	0.08		0.015	J	0.077		0.028	J	0.11		0.144		0.137		0.008	J	0.082	
Calcium, Total		mg/kg	2600		2220		474		2120		330		5470		346		1460		3290		2100		2500		2100		257		1850	
Chromium, Total	52.3	mg/kg	38.5		30		3.37		28		4.25		20.2		5.15		20.1		3.87		33.6		36.4		38.9		2.85		22.3	
Cobalt, Total		mg/kg	9.44		7.04		0.81		6.85		1.1		4.68		1.32		4.86		0.78		7.06		8.27		8.47		0.693		4.99	
Copper, Total	18.7	mg/kg	9.14		7.91		0.739		8.13		0.941		5.2		1.19		5.08		1.1		7.88		9.49		9.42		0.472	J	5.65	
Iron, Total		mg/kg	24500		17900		2010		15400		2420		14200		2910		14400		2360		22500		28200		29300		1560		16100	
Lead, Total	30.2	mg/kg	8.3		8.56		0.956		6.88		1.32		4.2		1.28		4.33		1.52		7.71		9.59		9.53		1.31		4.92	
Magnesium, Total		mg/kg	6960		6260		764		5560		901		4840		1070		4490		790		6220		7820		7100		549		5000	
Manganese, Total		mg/kg	202		188		18.6		164		21.2		119		26.3		120		19.1		184		202		163		14.7		124	
Mercury, Total	0.13	mg/kg	0.009	J	0.007	J	0.017	U	0.006	J	0.016	U	0.019	U	0.018	U	0.021	U	0.017	U	0.027	U	0.005	J	0.037	U	0.015	U	0.02	U
Nickel, Total	15.9	mg/kg	22		17		1.86		16.3		2.37		11.2		2.93		11.3		2		18.2		20.2		22.2		1.44		12.3	
Potassium, Total		mg/kg	3460		2720		336		2390		343		1860		414		1810		359		3050		3240		3560		208		1940	
Selenium, Total		mg/kg	2.98		2.18		0.287	J	2.18		0.958		3.56		1.01		3.63		0.674		6.13		7.1		6.84		0.777		3.99	
Silver, Total	0.73	mg/kg	0.034	J	0.038	J	0.128	U	0.027	J	0.115	U	0.017	J	0.119	U	0.017	J	0.123	U	0.027	J	0.042	J	0.032	J	0.125	U	0.02	J
Sodium, Total		mg/kg	6630		4040		2110		3780		2550		8100		2560		6950		2140		8440		8600		12600		1810		7460	
Thallium, Total		mg/kg	0.143		0.153		0.02	J	0.161		0.025	J	0.106		0.026	J	0.102		0.024	J	0.143		0.159		0.153		0.017	J	0.109	
Vanadium, Total		mg/kg	38.8		30.7		3.44		30.3		4.12		20.4		4.88		19.7		4.18		34.5		42.9		38.2		2.94		21.7	
Zinc, Total	124	mg/kg	57.6		46.6		4.8		41.6		6.36		33.1		7.53		33.2		6.11		51.7		60.8		62.1		4.01		35.8	
Dioxins/Furans																														
2,3,7,8-TCDD		pg/g	1.02	U	0.996	U	0.997	U	1	U	0.997	U	0.999	U	0.983	U	0.998	U	0.991	U	0.998	U	0.997	U	1.11	U	0.979	U	1.00	U
1,2,3,7,8-PeCDD		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,4,7,8-HxCDD		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,6,7,8-HxCDD		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,4,6,7,8-HpCDD		pg/g	24.2	U	33.1	U	5.07	U	23.2	U	4.98	U	6.15	U	5.15	U	4.99	U	7.27	U	15.3	U	44.5	U	6.72	U	4.89	U	42.5	U
1,2,3,4,6,7,8,9-OCDD		pg/g	379	U	553	U	79.9	U	347	U	48.2	U	78.7	U	85.5	U	64.9	U	109	U	197	U	763	U	81.5	U	20.9	U	613	
2,3,7,8-TCDF		pg/g	1.02	U	0.996	U	0.997	U	1	U	0.997	U	0.999	U	0.983	U	0.998	U	0.991	U	0.998	U	0.997	U	1.11	U	0.979	U	1.00	U
1,2,3,7,8-PeCDF		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
2,3,4,7,8-PeCDF		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,4,7,8-HxCDF		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,6,7,8-HxCDF		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
2,3,4,6,7,8-HxCDF		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,4,6,7,8,9-HpCDF		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,4,7,8,9-HpCDF		pg/g	5.1	U	4.98	U	4.99	U	5	U	4.98	U	5	U	4.92	U	4.99	U	4.96	U	4.99	U	4.98	U	5.55	U	4.89	U	5.00	U
1,2,3,4,6,7,8,9-OCDF		pg/g	10.2	U	9.96	U	9.97	U	10	U	9.97	U	9.99	U	9.83	U	9.98	U	9.91	U	9.98	U	9.97	U	11.1	U	9.79	U	10.00	U
PCB Congeners																														
1-MoCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	2.0	U	1.99	U	2.0	U	1.99	U	2.76	U	2.43	U	3.69	U	2.0	U	1.99	U
2-MoCB		pg/g	2.68	U	2.33	U	1.98	U	2.99	U	2.0	U	2.77	U	1.99	U	2.0	U	1.99	U	3.58	U	5.62	U	3.69	U	2.0	U	3.47	U
3-MoCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	2.0	U	1.99	U	2.0	U	1.99	U	3.69	U	2.43	U	3.69	U	2.0	U	1.99	U
4-DiCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	2.0	U	1.99	U	2.0	U	1.99	U	2.76	U	2.43	U	3.69	U	2.0	U	1.99	U
5-DiCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	2.0	U	1.99	U	2.0	U	1.99	U	2.76	U	2.43	U	3.69	U	2.0	U	1.99	U
6-DiCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	2.0	U																

**US WIND
INDIAN RIVER BAY
OCTOBER 2017 SEDIMENT SAMPLE RESULTS**

LOCATION	VC-IRB-09-ALT	VC-IRB-10	VC-IRB-12-S1	VC-IRB-12-S2	VC-IRB-14-ALT-S1	VC-IRB-14-ALT-S2	VC-IRB-15-ALT-S1	VC-IRB-15-ALT-S2	VC-IRB-11-ALT-S1	VC-IRB-11-ALT-S2	VC-IRB-24-S1	VC-IRB-24-S2	VC-IRB-13-ALT-S1	VC-IRB-13-ALT-S2		
SAMPLING DATE	10/8/2017	10/7/2017	10/6/2017	10/6/2017	10/9/2017	10/9/2017	10/9/2017	10/9/2017	10/9/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017		
LAB SAMPLE ID	L1736278-14	L1736278-15	L1736278-16	L1736278-17	L1736485-01	L1736485-02	L1736485-03	L1736485-04	L1736603-01	L1736603-02	L1736603-03	L1736603-04	L1736603-05	L1736603-06		
SAMPLE TYPE																
SAMPLE DEPTH (ft.)																
	DE-SIRS-ESM	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
50-TeCB		pg/g	5.36	CU	4.66	CU	3.96	CU	4.24	CU	4.0	CU	3.99	CU	3.97	CU
51-TeCB		pg/g	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45	-	C45
52-TeCB		pg/g	3.22	U	6.69	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
53-TeCB		pg/g	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50	-	C50
54-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
55-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
56-TeCB		pg/g	2.68	U	4.41	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
57-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
58-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
59-TeCB		pg/g	8.04	CU	6.99	CU	5.94	CU	6.36	CU	6.0	CU	5.96	CU	6.0	CU
60-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
61-TeCB		pg/g	10.7	CU	15.3	C	7.93	CU	8.0	CU	7.98	CU	7.95	CU	4.0	CU
62-TeCB		pg/g	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59
63-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
64-TeCB		pg/g	2.68	U	2.64	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
65-TeCB		pg/g	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44	-	C44
66-TeCB		pg/g	2.68	U	12.2	U	2.75	U	2.12	U	2.0	U	1.99	U	2.0	U
67-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
68-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
69-TeCB		pg/g	-	C49	-	C49	-	C49	-	C49	-	C49	-	C49	-	C49
70-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61
71-TeCB		pg/g	-	C40	-	C40	-	C40	-	C40	-	C40	-	C40	-	C40
72-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
73-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
74-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61
75-TeCB		pg/g	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59	-	C59
76-TeCB		pg/g	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61	-	C61
77-TeCB		pg/g	2.68	U	2.35	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
78-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
79-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
80-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
81-TeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
82-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
83-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
84-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
85-PeCB		pg/g	8.04	CU	6.99	CU	5.94	CU	6.36	CU	6.0	CU	5.96	CU	6.0	CU
86-PeCB		pg/g	16.1	CU	14	CU	11.9	CU	12.7	CU	12.0	CU	11.9	CU	12.0	CU
87-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
88-PeCB		pg/g	5.36	CU	4.66	CU	4.24	CU	4.0	CU	3.99	CU	4.0	CU	3.99	CU
89-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
90-PeCB		pg/g	8.04	CU	9.05	C	3.96	CU	6.36	CU	6.0	CU	5.96	CU	6.0	CU
91-PeCB		pg/g	-	C88	-	C88	-	C88	-	C88	-	C88	-	C88	-	C88
92-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
93-PeCB		pg/g	5.36	CU	4.66	CU	3.96	CU	4.24	CU	4.0	CU	3.99	CU	4.0	CU
94-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
95-PeCB		pg/g	2.68	U	4.51	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
96-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
97-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
98-PeCB		pg/g	5.36	CU	4.66	CU	3.96	CU	4.24	CU	4.0	CU	3.99	CU	4.0	CU
99-PeCB		pg/g	2.68	U	7.78	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
100-PeCB		pg/g	-	C93	-	C93	-	C93	-	C93	-	C93	-	C93	-	C93
101-PeCB		pg/g	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90
102-PeCB		pg/g	-	C98	-	C98	-	C98	-	C98	-	C98	-	C98	-	C98
103-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
104-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
105-PeCB		pg/g	2.68	U	3.79	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
106-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
107-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
108-PeCB		pg/g	5.36	CU	4.66	CU	3.96	CU	4.24	CU	4.0	CU	3.99	CU	4.0	CU
109-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
110-PeCB		pg/g	5.36	CU	9.07	C	3.96	CU	4.24	CU	4.0	CU	4.42	C	5.52	CU
111-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
112-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
113-PeCB		pg/g	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90	-	C90
114-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
115-PeCB		pg/g	-	C110	-	C110	-	C110	-	C110	-	C110	-	C110	-	C110
116-PeCB		pg/g	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85
117-PeCB		pg/g	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85	-	C85
118-PeCB		pg/g	2.75	U	12	U	2.54	U	2.12	U	2.0	U	1.99	U	2.0	U
119-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
120-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
121-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
122-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
123-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
124-PeCB		pg/g	-	C108	-	C108	-	C108	-	C108	-	C108	-	C108	-	C108
125-PeCB		pg/g	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86	-	C86
126-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
127-PeCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
128-HxCB		pg/g	5.36	CU	4.66	CU	3.96	CU	4.24	CU	4.0	CU	3.99	CU	4.0	CU
129-HxCB		pg/g	8.04	CU	15.7	C	5.94	CU	6.36	CU	6.0	CU	5.96	CU	6.0	CU
130-HxCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
131-HxCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
132-HxCB		pg/g	2.68	U	2.66	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
133-HxCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
134-HxCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
135-HxCB		pg/g	5.36	CU	5.26	C	3.96	CU	4.24	CU	4.0	CU	3.99	CU	4.0	CU
136-HxCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
137-HxCB		pg/g	2.68	U	2.33	U	1.98	U	2.12	U	2.0	U	1.99	U	2.0	U
138-HxCB		pg/g	-	C129	-	C129	-	C129	-	C129	-	C129	-	C129	-	C129
139-HxCB		pg/g	5.36	CU	4.66	CU	3.96	CU	4.24	CU	4.0	CU	3.99	CU	4.0	CU
140-HxCB		pg/g	-	C139	-	C139	-	C139	-	C139						

