

Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



Test Report ID MAR02641

Issue Version: 1

Customer: National Trust

Customer Reference: Cushendun - DAERA Marine Sediment Suite

Date Sampled: 16-Apr-25

Date Samples Received: 28-Apr-25

Test Report Date: 10-Jun-25

Condition of samples: Cold Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation
The results reported relate only to the sample tested
The results apply to the sample as received



Authorised by:



Position:

Customer Service Specialist



1252

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		Units	%	%	%	%	%	Mg/m3
		Method No	ASC/SOP/303	ASC/SOP/303	SUB_01*	SUB_01*	SUB_01*	SUB_03*
		Limit of Detection	0.2	0.2	N/A	N/A	N/A	N/A
		Accreditation	UKAS	UKAS	N	N	N	N
Client Reference:	SOCOTEC Ref:	Matrix	Total Moisture @ 120°C	Total Solids	Gravel (>2mm)	Sand (63-2000 µm)	Silt (<63 µm)	Particle Density
1 - Surface	MAR02641.001	Sediment	20.4	79.6	54.18	39.72	6.11	2.70
2 - 1.5m	MAR02641.002	Sediment	10.8	89.2	49.23	48.42	2.35	2.66
3 - Surface	MAR02641.003	Sediment	19.7	80.3	54.11	43.64	2.25	2.70
4 - 1.5m	MAR02641.004	Sediment	17.1	82.9	49.56	49.11	1.33	2.73
5 - Surface	MAR02641.005	Sediment	4.20	95.8	68.13	31.04	0.83	2.67
6 - 1.5m	MAR02641.006	Sediment	18.9	81.1	45.91	52.54	1.56	2.73
7 - Surface	MAR02641.007	Sediment	-	-	44.56	52.31	3.13	2.69
Reference Material (% Recovery)			N/A	N/A	N/A	N/A	N/A	N/A
QC Blank			N/A	N/A	N/A	N/A	N/A	N/A

* See Report Notes

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Units	% M/M
Method No	WSLM59*
Limit of Detection	0.02
Accreditation	UKAS

Client Reference:	SOCOTEC Ref:	Matrix	TOC
1 - Surface	MAR02641.001	Sediment	0.06
2 - 1.5m	MAR02641.002	Sediment	0.34
3 - Surface	MAR02641.003	Sediment	0.14
4 - 1.5m	MAR02641.004	Sediment	0.12
5 - Surface	MAR02641.005	Sediment	0.06
6 - 1.5m	MAR02641.006	Sediment	0.06
7 - Surface	MAR02641.007	Sediment	-
Reference Material (% Recovery)			104
QC Blank			<0.02

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		Units	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)
		Method No	ICPSOIL*	ICPMSS*	ICPMSS*	ICPMSS*	ICPMSS*	ICPMSS*	ICPSOIL*	ICPMSS*
		Limit of Detection	10	0.5	0.04	0.5	0.5	0.5	2	0.01
		Accreditation	N	UKAS	UKAS	UKAS	UKAS	UKAS	N	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Lithium	Mercury
1 - Surface	MAR02641.001	Sediment	40400	7.8	0.06	46.1	13.9	7.3	25.2	<0.01
2 - 1.5m	MAR02641.002	Sediment	36700	7.6	0.05	34.9	12.3	7.6	20.0	<0.01
3 - Surface	MAR02641.003	Sediment	35800	6.6	0.06	49.4	9.9	5.6	20.0	<0.01
4 - 1.5m	MAR02641.004	Sediment	47300	6.4	0.08	30.3	10.2	10.1	25.6	0.06
5 - Surface	MAR02641.005	Sediment	29900	5.8	0.04	33.2	6.6	4.4	16.7	<0.01
6 - 1.5m	MAR02641.006	Sediment	35200	6.5	0.05	29.4	6.4	5.0	16.7	<0.01
Certified Reference Material SETOC 768 (% Recovery)			104	100	95	101	98	96	108	118
QC Blank			<10	<0.5	<0.04	<0.5	<0.5	<0.5	<0.01	<0.5

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		Units	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)
		Method No	ICPMSS*	ICPMSS*
		Limit of Detection	0.5	2
		Accreditation	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	Nickel	Zinc
1 - Surface	MAR02641.001	Sediment	21.4	43.3
2 - 1.5m	MAR02641.002	Sediment	16.6	38.5
3 - Surface	MAR02641.003	Sediment	25.0	37.6
4 - 1.5m	MAR02641.004	Sediment	16.0	37.6
5 - Surface	MAR02641.005	Sediment	16.1	32.8
6 - 1.5m	MAR02641.006	Sediment	13.3	37.8
Certified Reference Material SETOC 768 (% Recovery)			101	100
QC Blank			<0.5	<2

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		Units	µg/Kg (Dry Weight)	
		Method No	ASC/SOP/301	
		Limit of Detection	1	1
		Accreditation	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	Dibutyltin (DBT)	Tributyltin (TBT)
1 - Surface	MAR02641.001	Sediment	<5	<5
2 - 1.5m	MAR02641.002	Sediment	<5	<5
3 - Surface	MAR02641.003	Sediment	<5	<5
4 - 1.5m	MAR02641.004	Sediment	<5	<5
5 - Surface	MAR02641.005	Sediment	<5	<5
6 - 1.5m	MAR02641.006	Sediment	<5	<5
Certified Reference Material BCR-646 (% Recovery)			88	85
QC Blank			<1	<1

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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304
		Limit of Detection	1	1	1	1	1	1
		Accreditation	UKAS	UKAS	UKAS	N*	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	ACENAPTH	ACENAPHY	ANTHRACN	BAA	BAP	BBF
1 - Surface	MAR02641.001	Sediment	<1	<1	<1	<1	<1	<1
2 - 1.5m	MAR02641.002	Sediment	<1	<1	<1	<1	<1	<1
3 - Surface	MAR02641.003	Sediment	<1	<1	<1	<1	<1	<1
4 - 1.5m	MAR02641.004	Sediment	<1	5.05	3.54	10.4	19.4	14.7
5 - Surface	MAR02641.005	Sediment	<1	<1	<1	<1	<1	<1
6 - 1.5m	MAR02641.006	Sediment	<1	<1	<1	<1	<1	<1
Certified Reference Material Nist 1941b (% Recovery)			67	111	69	62	62	87
QC Blank			<1	<1	<1	<1	<1	<1

For full analyte name see method summaries
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 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.
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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304
		Limit of Detection	1	1	1	1	1	1
		Accreditation	UKAS	UKAS	N*	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	BENZGHIP	BKF*	CHRYSENE *	DBENZAH	FLUORANT	FLUORENE
1 - Surface	MAR02641.001	Sediment	<1	<1	<1	<1	<1	<1
2 - 1.5m	MAR02641.002	Sediment	<1	<1	<1	<1	<1	<1
3 - Surface	MAR02641.003	Sediment	<1	<1	<1	<1	<1	<1
4 - 1.5m	MAR02641.004	Sediment	10.7	13.8	11.1	2.60	6.84	<1
5 - Surface	MAR02641.005	Sediment	<1	<1	<1	<1	<1	<1
6 - 1.5m	MAR02641.006	Sediment	<1	<1	<1	<1	<1	<1
Certified Reference Material Nist 1941b (% Recovery)			82	74	86	118	81	52
QC Blank			<1	<1	<1	<1	<1	<1

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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/304	ASC/SOP/303/306
		Limit of Detection	1	1	1	1	100
		Accreditation	UKAS	UKAS	UKAS	UKAS	N
Client Reference:	SOCOTEC Ref:	Matrix	INDPYR	NAPTH	PHENANT	PYRENE	THC
1 - Surface	MAR02641.001	Sediment	<1	<1	<1	<1	666
2 - 1.5m	MAR02641.002	Sediment	<1	<1	<1	<1	778
3 - Surface	MAR02641.003	Sediment	<1	<1	2.27	<1	1380
4 - 1.5m	MAR02641.004	Sediment	11.5	2.12	<1	7.73	3110
5 - Surface	MAR02641.005	Sediment	<1	<1	<1	<1	914
6 - 1.5m	MAR02641.006	Sediment	<1	<1	<1	<1	875
Certified Reference Material Nist 1941b (% Recovery)			81	58	77	72	93~
QC Blank			<1	<1	<1	<1	<100

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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302
		Limit of Detection	0.08	0.08	0.08	0.08	0.08	0.08
		Accreditation	UKAS	UKAS	UKAS	UKAS	N*	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	PCB28	PCB52	PCB101	PCB118	PCB138	PCB153
1 - Surface	MAR02641.001	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
2 - 1.5m	MAR02641.002	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3 - Surface	MAR02641.003	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
4 - 1.5m	MAR02641.004	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
5 - Surface	MAR02641.005	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
6 - 1.5m	MAR02641.006	Sediment	<0.08	<0.08	0.13	0.13	0.13	0.17
Certified Reference Material Nist 1941b (% Recovery)			68	93	83	100	93	95
QC Blank			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08

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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302
		Limit of Detection	0.08	0.08	0.08	0.08	0.08	0.08
		Accreditation	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	PCB18	PCB105	PCB110	PCB128	PCB141	PCB149
1 - Surface	MAR02641.001	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
2 - 1.5m	MAR02641.002	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3 - Surface	MAR02641.003	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
4 - 1.5m	MAR02641.004	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
5 - Surface	MAR02641.005	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
6 - 1.5m	MAR02641.006	Sediment	<0.08	0.22	0.15	0.26	0.14	0.17
Certified Reference Material Nist 1941b (% Recovery)			81	82	103	104	130~	94
QC Blank			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08

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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302
		Limit of Detection	0.08	0.08	0.08	0.08	0.08	0.08
		Accreditation	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	PCB151	PCB156	PCB158	PCB170	PCB180	PCB183
1 - Surface	MAR02641.001	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
2 - 1.5m	MAR02641.002	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3 - Surface	MAR02641.003	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
4 - 1.5m	MAR02641.004	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
5 - Surface	MAR02641.005	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
6 - 1.5m	MAR02641.006	Sediment	0.11	0.15	0.22	0.18	0.21	0.16
Certified Reference Material Nist 1941b (% Recovery)			119~	77	84	113	106	63
QC Blank			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08

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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302
		Limit of Detection	0.08	0.08	0.08	0.08	0.08	0.08	0.08
		Accreditation	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	PCB187	PCB194	PCB31	PCB44	PCB47	PCB49	PCB66
1 - Surface	MAR02641.001	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
2 - 1.5m	MAR02641.002	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3 - Surface	MAR02641.003	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
4 - 1.5m	MAR02641.004	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
5 - Surface	MAR02641.005	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
6 - 1.5m	MAR02641.006	Sediment	0.18	0.17	<0.08	0.09	<0.08	0.08	0.19
Certified Reference Material Nist 1941b (% Recovery)			91	80	87	91	117~	101	103
QC Blank			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08

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Units	µg/Kg (Dry Weight)
Method No	ASC/SOP/302
Limit of Detection	0.56
Accreditation	UKAS

Client Reference:	SOCOTEC Ref:	Matrix	ICES7
1 - Surface	MAR02641.001	Sediment	<0.56
2 - 1.5m	MAR02641.002	Sediment	<0.56
3 - Surface	MAR02641.003	Sediment	<0.56
4 - 1.5m	MAR02641.004	Sediment	<0.56
5 - Surface	MAR02641.005	Sediment	<0.56
6 - 1.5m	MAR02641.006	Sediment	0.88
Certified Reference Material Nist 1941b (% Recovery)			91
QC Blank			<0.56

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		Units	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)	µg/Kg (Dry Weight)
		Method No	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302	ASC/SOP/302
		Limit of Detection	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
		Accreditation	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	AHCH	BHCH	GHCH	DIELDRIN	HCB	DDE	DDT	DDD
1 - Surface	MAR02641.001	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2 - 1.5m	MAR02641.002	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3 - Surface	MAR02641.003	Sediment	<0.1	<0.1	<0.1	0.20	<0.1	<0.1	<0.1	<0.1
4 - 1.5m	MAR02641.004	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
5 - Surface	MAR02641.005	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6 - 1.5m	MAR02641.006	Sediment	<0.1	0.15	<0.1	0.15	<0.1	0.15	0.66	0.28
Certified Reference Material Nist 1941b (% Recovery)			105~	99~	107~	99~	109	88	113~	61
QC Blank			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

For full analyte name see method summaries
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02641
 Issue Version 1
 Customer Reference Cushendun - DAERA Marine Sediment Suite

REPORT NOTES

Method Code	Sample ID	The following information should be taken into consideration when using the data contained within this report
WSLM59*	MAR02641.001-006	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
ICPMSS*	MAR02641.001-006	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
SUB_01*	MAR02641.001-006	Analysis was conducted by an approved subcontracted laboratory.
SUB_02*	MAR02641.001-006	Analysis was conducted by an approved subcontracted laboratory.
ASC/SOP/301	MAR02641.001-006	The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.
ASC/SOP/302	MAR02641.001-006	The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PCB138) . These circumstances should be taken into consideration when utilising the data.
ASC/SOP/303/304	MAR02641.001-006	The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (BAA, CHRYSENE) . These circumstances should be taken into consideration when utilising the data.
ASC/SOP/303/304	MAR02641.004	Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.
ASC/SOP/303/304	MAR02641.004	Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. It is believed Triphenylene is present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.

DEVIATING SAMPLE STATEMENT

Deviation Code	Deviation Definition	Sample ID	Deviation Details. The following information should be taken into consideration when using the data contained within this report
D1	Holding Time Exceeded	N/A	N/A
D2	Sample Contaminated through Damaged Packaging	N/A	N/A
D3	Sample Contaminated through Sampling	N/A	N/A
D4	Inappropriate Container/Packaging	N/A	N/A
D5	Damaged in Transit	N/A	N/A
D6	Insufficient Quantity of Sample	N/A	N/A
D7	Inappropriate Headspace	N/A	N/A
D8	Retained at Incorrect Temperature	N/A	N/A
D9	Lack of Date & Time of Sampling	N/A	N/A
D10	Insufficient Sample Details	N/A	N/A
D11	Sample integrity compromised or not suitable for analysis	N/A	N/A

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Method	Sample and Fraction Size	Method Summary
Total Solids	Wet Sediment	Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight.
Particle Size Analysis	Wet Sediment	Wet and dry sieving followed by laser diffraction analysis.
Total Organic Carbon (TOC)	Air dried and ground	Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.
Metals	Air dried and ground	Aqua-regia extraction followed by ICP analysis.
Organotins	Wet Sediment	Solvent extraction and derivatisation followed by GC-MS analysis.
Polyaromatic Hydrocarbons (PAH)	Wet Sediment	Solvent extraction and clean up followed by GC-MS analysis.
Total Hydrocarbon Content (THC)	Wet Sediment	Solvent extraction and clean up followed by GC-FID analysis.
Polychlorinated Biphenyls (PCBs)	Air dried and sieved to <2mm	Solvent extraction and clean up followed by GC-MS-MS analysis.
Organochlorine Pesticides (OCPs)	Air dried and sieved to <2mm	Solvent extraction and clean up followed by GC-MS-MS analysis.

Analyte Definitions					
Analyte Abbreviation	Full Analyte name	Analyte Abbreviation	Full Analyte name	Analyte Abbreviation	Full Analyte name
ACENAPTH	Acenaphthene	C2N	C2-naphthalenes	THC	Total Hydrocarbon Content
ACENAPHY	Acenaphthylene	C3N	C3-naphthalenes	AHCH	alpha-Hexachlorocyclohexane
ANTHRACN	Anthracene	CHRYSENE	Chrysene	BHCH	beta-Hexachlorocyclohexane
BAA	Benzo[a]anthracene	DBENZA	Dibenzo[ah]anthracene	GHCH	gamma-Hexachlorocyclohexane
BAP	Benzo[a]pyrene	FLUORANT	Fluoranthene	DIELDRIN	Dieldrin
BBF	Benzo[b]fluoranthene	FLUORENE	Fluorene	HC	Hexachlorobenzene
BEP	Benzo[e]pyrene	INDPYR	Indeno[1,2,3-cd]pyrene	DDD	p,p'-Dichlorodiphenyldichloroethane
BENZGHIP	Benzo[ghi]perylene	NAPTH	Naphthalene	DDE	p,p'-Dichlorodiphenyldichloroethylene
BKF	Benzo[k]fluoranthene	PERYLENE	Perylene	DDT	p,p'-Dichlorodiphenyltrichloroethane
C1N	C1-naphthalenes	PHENANT	Phenanthrene		
C1PHEN	C1-phenanthrene	PYRENE	Pyrene		

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