

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 MAR02910

Issue Version: 2

Customer: Hydromaster, 7 Howley Court, Dublin Road, Oranmore, Co. Galway

Customer Reference: Wicklow Harbour

Date Sampled: 13-Nov-25

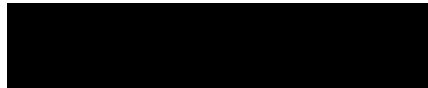
Date Samples Received: 05-Dec-25

Test Report Date: 18-Mar-26

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

This is a revised report containing updated results for sample 10 for the Organochlorine Pesticides and replaces all previously issued versions.



Authorised by: Jane Colbourne

Position: Customer Service Specialist



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Test Report ID MAR02910
Issue Version 2
Customer Reference Wicklow Harbour

		Method No	SUB_02*
Client Reference:	SOCOTEC Ref:	Matrix	Visual Description
2	MAR02910.001	Sediment	Brown and grey slightly sandy slightly gravelly CLAY
3	MAR02910.002	Sediment	Brown and grey slightly sandy CLAY
4	MAR02910.003	Sediment	Brown and grey slightly sandy CLAY
5	MAR02910.004	Sediment	Brown and grey slightly sandy CLAY
6	MAR02910.005	Sediment	Brown and grey slightly sandy CLAY
7	MAR02910.006	Sediment	Brown and grey slightly sandy CLAY
8	MAR02910.007	Sediment	Brown and grey slightly sandy CLAY
9	MAR02910.008	Sediment	Brown and grey slightly sandy slightly gravelly CLAY
10	MAR02910.009	Sediment	Brown and grey slightly sandy slightly gravelly CLAY

* See Report Notes

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		Units	%	%	%	%	%	Mg/m3
		Method No	ASC/SOP/303	ASC/SOP/303	SUB_01*	SUB_01*	SUB_01*	SUB_02*
		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
2	MAR02910.001	Sediment	37.7	62.3	14.24	54.03	31.73	2.65
3	MAR02910.002	Sediment	31.6	68.4	5.84	37.43	56.72	2.66
4	MAR02910.003	Sediment	47.1	52.9	1.54	46.36	52.10	2.64
5	MAR02910.004	Sediment	56.3	43.7	0.14	36.68	63.19	2.63
6	MAR02910.005	Sediment	45.2	54.8	0.00	14.79	85.21	2.66
7	MAR02910.006	Sediment	46.3	53.7	0.00	49.12	50.88	2.66
8	MAR02910.007	Sediment	36.1	63.9	0.00	38.70	61.30	2.65
9	MAR02910.008	Sediment	53.9	46.1	0.00	48.70	51.30	2.63
10	MAR02910.009	Sediment	44.3	55.7	0.00	52.50	47.50	2.65
Reference Material (% Recovery)			NA	NA	NA	NA	NA	NA
QC Blank			NA	NA	NA	NA	NA	NA

* See Report Notes

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Units	% m/m	%m/m
Method No	WSLM59*	ANC*
Limit of Detection	0.02	0.12
Accreditation	UKAS	No

Client Reference:	SOCOTEC Ref:	Matrix	TOC	Carbonate Equivalent (%CO3)
2	MAR02910.001	Sediment	1.25	13.3
3	MAR02910.002	Sediment	1.25	8.4
4	MAR02910.003	Sediment	1.57	7.65
5	MAR02910.004	Sediment	1.65	10.4
6	MAR02910.005	Sediment	1.83	10.3
7	MAR02910.006	Sediment	0.47	5.6
8	MAR02910.007	Sediment	1.27	8.6
9	MAR02910.008	Sediment	1.29	9.0
10	MAR02910.009	Sediment	0.87	7.9
Reference Material (% Recovery)			100	99
QC Blank			<0.02	<0.12

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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)
		Method No	ICPMS-MWSED*	ICPMS-MWSED*	ICPMS-MWSED*	ICPMS-MWSED*	ICPMS-MWSED*	ICPMS-MWSED*	ICPMS-MWSED*
		Limit of Detection	0.14	0.03	1	0.7	0.6	0.01	0.4
		Accreditation	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	Arsenic as As	Cadmium as Cd	Chromium as Cr	Copper as Cu	Lead as Pb	Mercury as Hg	Nickel as Ni
2	MAR02910.001	Sediment	10.4	0.43	31.6	22.7	27.6	<0.01	15.7
3	MAR02910.002	Sediment	9.1	0.27	39.1	28.1	27.2	<0.01	15.9
4	MAR02910.003	Sediment	9.4	0.24	45.2	21.7	25.8	<0.01	19.8
5	MAR02910.004	Sediment	11.1	0.21	53.9	17.2	27.9	<0.01	21.1
6	MAR02910.005	Sediment	13.8	0.20	62.4	17.9	35.6	<0.01	29.1
7	MAR02910.006	Sediment	6.6	0.12	26.4	8.9	14.5	<0.01	9.8
8	MAR02910.007	Sediment	8.5	0.19	37.5	13.1	22.7	<0.01	15.7
9	MAR02910.008	Sediment	10.3	0.30	45.6	24.2	30.6	<0.01	18.1
10	MAR02910.009	Sediment	9.6	0.18	31.7	11.4	19.4	<0.01	12.2
Certified Reference Material 2702 (Measured Value)			38.64	0.766	281.9	101.6	112.2	0.332	64.79
Certified Reference Material 2702 (Certified Value)			45.3	0.817	352	117.7	132.8	0.447	75.4
Certified Reference Material 2702 (% Recovery)			94	91	96	94	96	86	93
QC Blank			<0.14	<0.03	<1	<0.7	<0.6	<0.01	<0.4

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Units	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)	mg/Kg (Dry Weight)
Method No	ICPMS-MWSED*	ICPOES-MWSED*	ICPOES-MWSED*
Limit of Detection	3.5	1750	2
Accreditation	UKAS	UKAS	N

Client Reference:	SOCOTEC Ref:	Matrix	Zinc as Zn	Aluminium as Al	Lithium as Li
2	MAR02910.001	Sediment	144	21800	35.0
3	MAR02910.002	Sediment	120	25800	43.7
4	MAR02910.003	Sediment	127	28200	52.1
5	MAR02910.004	Sediment	87.3	30300	54.4
6	MAR02910.005	Sediment	101	41800	73.7
7	MAR02910.006	Sediment	38.9	20800	29.5
8	MAR02910.007	Sediment	70.1	25700	43.8
9	MAR02910.008	Sediment	94.1	25200	49.1
10	MAR02910.009	Sediment	55.3	25800	40.3
Certified Reference Material 2702 (Measured Value)			412.3	69900	119
Certified Reference Material 2702 (Certified Value)			485.3	84000	78.2
Certified Reference Material 2702 (% Recovery)			96	89	95
QC Blank			<3.5	<1750	<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)
2	MAR02910.001	Sediment	<5	8.85
3	MAR02910.002	Sediment	<5	25.9
4	MAR02910.003	Sediment	<5	<5
5	MAR02910.004	Sediment	<5	<5
6	MAR02910.005	Sediment	<5	<5
7	MAR02910.006	Sediment	<5	<5
8	MAR02910.007	Sediment	<5	<5
9	MAR02910.008	Sediment	<5	26.8
10	MAR02910.009	Sediment	<5	<5
Certified Reference Material BCR-646 (Measured Value)			679	444
Certified Reference Material BCR-646 (Certified Value)			770	480
Certified Reference Material BCR-646 (% Recovery)			88	93
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	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	ACENAPTH	ACENAPHY	ANTHRACN	BAA	BAP	BBF
2	MAR02910.001	Sediment	<5	12.0	21.5	76.9	83.4	83.1
3	MAR02910.002	Sediment	7.60	<5	10.9	28.7	24.90	27.5
4	MAR02910.003	Sediment	<5	<5	<5	16.5	17.6	32.2
5	MAR02910.004	Sediment	<5	<5	<5	18.2	18.5	33.7
6	MAR02910.005	Sediment	<5	<5	11.1	41.2	47.5	73.6
7	MAR02910.006	Sediment	<5	<5	<5	27.5	29.1	35.5
8	MAR02910.007	Sediment	<5	<5	<5	16.8	20.1	26.4
9	MAR02910.008	Sediment	<5	<5	27.2	103	131	148
10	MAR02910.009	Sediment	<5	<5	<5	21.3	22.3	24.5
Certified Reference Material Quasimeme SED42 (Measured Value)			7.31	5.64	10.8	45.5	56.7	102
Certified Reference Material Quasimeme SED42 (Certified Value)			15.5	4.72	11.5	54.9	67.7	113
Certified Reference Material Quasimeme SED42 (% Recovery)			47	119	94	83	84	90
QC Blank			<1	<1	<1	<1	<1	<1

For full analyte name see method summaries
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.
 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	UKAS	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	BENZGHIP	BKF*	CHRYSENE*	DBENZAH	FLUORANT	FLUORENE
2	MAR02910.001	Sediment	57.0	80.4	91.0	12.9	176	16.4
3	MAR02910.002	Sediment	21.1	26.5	50.5	<5	40.1	19.0
4	MAR02910.003	Sediment	20.9	28.3	27.5	<5	35.2	10.5
5	MAR02910.004	Sediment	26.9	31.0	34.4	<5	43.4	13.5
6	MAR02910.005	Sediment	46.3	61.3	64.7	10.1	101	17.2
7	MAR02910.006	Sediment	22.0	33.7	35.1	<5	55.6	<5
8	MAR02910.007	Sediment	23.0	24.4	25.3	<5	38.5	8.92
9	MAR02910.008	Sediment	99.0	121	131	19.5	224	19.9
10	MAR02910.009	Sediment	20.1	22.6	29.0	<5	37.6	9.56
Certified Reference Material Quasimeme SED42 (Measured Value)			86.8	78.4	71.2	17.0	89.9	16.2
Certified Reference Material Quasimeme SED42 (Certified Value)			85.1	98.8	70.0	17.4	101	21.0
Certified Reference Material Quasimeme SED42 (% Recovery)			102	79	102	98	89	77
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
2	MAR02910.001	Sediment	56.4	26.3	84.0	153	98800
3	MAR02910.002	Sediment	16.2	13.7	82.1	40.1	108000
4	MAR02910.003	Sediment	23.2	23.3	35.4	28.3	118000
5	MAR02910.004	Sediment	30.6	29.7	43.4	35.1	81600
6	MAR02910.005	Sediment	51.2	28.1	77.9	76.6	57000
7	MAR02910.006	Sediment	25.3	16.1	34.0	49.4	58300
8	MAR02910.007	Sediment	21.0	18.4	32.5	32.8	61600
9	MAR02910.008	Sediment	89.1	29.4	111	194	145000
10	MAR02910.009	Sediment	17.9	25.9	34.0	34.8	62300
Certified Reference Material Quasimeme SED42 (Measured Value)			76.3	35.3	92.2	89.6	29433
Certified Reference Material Quasimeme SED42 (Certified Value)			86.3	36.9	114	98.1	32000
Certified Reference Material Quasimeme SED42 (% Recovery)			88	96	81	91	92~
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)	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	N*	UKAS	UKAS	UKAS
Client Reference:	SOCOTEC Ref:	Matrix	PCB28	PCB52	PCB101	PCB118	PCB138	PCB153	PCB180
2	MAR02910.001	Sediment	0.16	0.12	0.11	0.15	<0.08	0.13	<0.08
3	MAR02910.002	Sediment	0.39	0.26	0.36	0.23	0.21	0.19	0.10
4	MAR02910.003	Sediment	0.99	0.93	0.48	0.57	0.36	0.41	0.31
5	MAR02910.004	Sediment	0.24	0.16	0.10	<0.08	0.14	0.10	<0.08
6	MAR02910.005	Sediment	0.46	0.20	0.24	0.28	0.27	0.35	0.20
7	MAR02910.006	Sediment	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
8	MAR02910.007	Sediment	0.27	0.29	0.37	0.39	0.61	0.49	0.42
9	MAR02910.008	Sediment	0.20	0.17	0.24	0.21	0.22	0.27	0.10
10	MAR02910.009	Sediment	0.10	0.09	<0.08	<0.08	0.10	<0.08	<0.08
Certified Reference Material Quasimeme SED28 (Measured Value)			0.71	1.15	2.60	1.44	5.58	5.80	2.92
Certified Reference Material Quasimeme SED28 (Certified Value)			1.11	1.19	2.81	1.54	5.98	6.64	4.11
Certified Reference Material Quasimeme SED28 (% Recovery)			64	96	93	93	93	87	71
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)	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
2	MAR02910.001	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3	MAR02910.002	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	0.14	<0.1	<0.1
4	MAR02910.003	Sediment	<0.1	<0.1	<0.1	0.35	0.23	0.11	<0.1	<0.1
5	MAR02910.004	Sediment	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	0.11
6	MAR02910.005	Sediment	<0.1	<0.1	<0.1	0.12	0.14	0.13	<0.1	0.15
7	MAR02910.006	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8	MAR02910.007	Sediment	<0.1	0.39	0.19	0.56	0.13	0.40	0.88	1.08
9	MAR02910.008	Sediment	<0.1	<0.1	<0.1	<0.1	0.13	0.11	0.25	0.29
10	MAR02910.009	Sediment	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Certified Reference Material Quasimeme SED28 (Measured Value)			36.6	33.8	39.7	0.71	11.3	0.61	0.29	0.66
Certified Reference Material Quasimeme SED28 (Certified Value)			40.0	40.0	40.0	0.88	18.2	0.82	0.42	1.37
Certified Reference Material Quasimeme SED28 (% Recovery)			92~	84~	99~	80	62	74	70	48
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
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REPORT NOTES

Method Code	Sample ID	The following information should be taken into consideration when using the data contained within this report
WSLM59*	MAR02910.001-009	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
ANC*	MAR02910.001-009	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
ICPMS-MWSED*	MAR02910.001-009	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
ICPOES-MWSED*	MAR02910.001-009	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
SUB_01*	MAR02910.001-009	Analysis was conducted by an approved subcontracted laboratory.
SUB_02*	MAR02910.001-009	Analysis was conducted by an approved subcontracted laboratory.
ASC/SOP/301	MAR02910.001-009	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	MAR02910.001-009	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 (PCB118) . These circumstances should be taken into consideration when utilising the data.
ASC/SOP/303/304	MAR02910.001-009	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/303/304	MAR02910.001-009	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	MAR02910.001-009	Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be 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

Certificate of Analysis



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Test Report ID MAR02910
 Issue Version 2
 Customer Reference Wicklow Harbour

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 seived to <2mm	Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.
Carbonate	Air dried and seived to <2mm	Quantitative digestion with Hydrochloric Acid back titration with 1M Sodium Hydroxide to pH 7
Metals	Air dried and seived to <2mm	Microwave assisted HF/Boric 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 seived to <2mm	Solvent extraction and clean up followed by GC-MS-MS analysis.
Organochlorine Pesticides (OCPs)	Air dried and seived 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	DBENZAH	Dibenzo[ah]anthracene	GHCH	gamma-Hexachlorocyclohexane
BAP	Benzo[a]pyrene	FLUORANT	Fluoranthene	DIELDRIN	Dieldrin
BBF	Benzo[b]fluoranthene	FLUORENE	Fluorene	HCB	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		