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	**MAR03215**
Issue Version:	1
Customer:	Neath Port Authority, Woodfield House, Castle Walk, Neath, SA11 3LN
Customer Reference:	River Neath Channel - NRW Analysis
Date Sampled:	08-Sep-26
Date Samples Received:	15-Sep-26
Test Report Date:	12-Oct-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



Authorised by: Katherine Smith

Position: Customer Services Co-ordinator

UKAS TESTING
1252

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Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	% M/M	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)
		Method No	WSLM59*	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01
		Accreditation	UKAS/MMO	MMO	MMO	MMO	MMO	MMO	MMO
			Total Organic Carbon	45mm	31.5mm	22.4mm	16mm	11.2mm	8mm
Client Reference:	SOCOTEC Ref:	Matrix	-	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
Site A	MAR03215.001	Sediment	0.07	0.00	0.00	0.00	0.00	0.00	0.00
Site B	MAR03215.002	Sediment	0.12	0.00	0.00	0.00	0.00	0.00	0.00
Site C	MAR03215.003	Sediment	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Site D	MAR03215.004	Sediment	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Site E	MAR03215.005	Sediment	0.49	0.00	0.00	0.00	0.00	0.00	0.00
Site F	MAR03215.006	Sediment	0.12	0.00	0.00	0.00	0.00	0.00	0.00
Site G	MAR03215.007	Sediment	0.41	0.00	0.00	0.00	0.00	0.00	0.00
Site H	MAR03215.008	Sediment	0.15	0.00	0.00	0.00	0.00	0.00	0.00
Site I	MAR03215.009	Sediment	0.10	0.00	0.00	0.00	0.00	0.00	0.00

* See Report Notes

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

Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)
		Method No	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01
		Accreditation	MMO	MMO	MMO	MMO	MMO	MMO	MMO
			5.6mm	4mm	2.8mm	2mm	1.4mm	1mm	707µm
Client Reference:	SOCOTEC Ref:	Matrix	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5
Site A	MAR03215.001	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site B	MAR03215.002	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site C	MAR03215.003	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site D	MAR03215.004	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site E	MAR03215.005	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site F	MAR03215.006	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site G	MAR03215.007	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site H	MAR03215.008	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site I	MAR03215.009	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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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 MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)
		Method No	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01
		Accreditation	MMO	MMO	MMO	MMO	MMO	MMO	MMO
			500µm	353.6µm	250µm	176.8µm	125µm	88.39µm	63µm
Client Reference:	SOCOTEC Ref:	Matrix	1.0	1.5	2.0	2.5	3.0	3.5	4.0
Site A	MAR03215.001	Sediment	0.52	17.54	45.74	31.42	4.39	0.39	0.00
Site B	MAR03215.002	Sediment	0.09	10.97	40.07	37.86	9.82	0.82	0.37
Site C	MAR03215.003	Sediment	0.27	14.46	44.51	34.87	5.69	0.21	0.00
Site D	MAR03215.004	Sediment	0.03	10.58	41.62	38.91	8.76	0.09	0.00
Site E	MAR03215.005	Sediment	0.49	16.06	43.57	33.70	6.14	0.04	0.00
Site F	MAR03215.006	Sediment	0.22	13.37	42.31	36.34	7.69	0.07	0.00
Site G	MAR03215.007	Sediment	0.23	13.86	43.33	35.76	6.77	0.04	0.00
Site H	MAR03215.008	Sediment	0.36	15.25	43.66	34.35	6.33	0.05	0.00
Site I	MAR03215.009	Sediment	0.16	12.69	43.41	35.03	6.12	0.73	0.35

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Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)
		Method No	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01
		Accreditation	MMO	MMO	MMO	MMO	MMO	MMO	MMO
			44.2µm	31.3µm	22.1µm	15.6µm	11µm	7.8µm	5.5µm
Client Reference:	SOCOTEC Ref:	Matrix	4.5	5.0	5.5	6.0	6.5	7.0	7.5
Site A	MAR03215.001	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site B	MAR03215.002	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site C	MAR03215.003	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site D	MAR03215.004	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site E	MAR03215.005	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site F	MAR03215.006	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site G	MAR03215.007	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site H	MAR03215.008	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site I	MAR03215.009	Sediment	0.06	0.11	0.11	0.12	0.10	0.09	0.07

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Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)
		Method No	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01
		Accreditation	MMO	MMO	MMO	MMO	MMO	MMO	MMO
			3.9µm	2.75µm	1.95µm	1.38µm	0.98µm	0.69µm	0.49µm
Client Reference:	SOCOTEC Ref:	Matrix	8.0	8.5	9.0	9.5	10.0	10.5	11.0
Site A	MAR03215.001	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site B	MAR03215.002	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site C	MAR03215.003	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site D	MAR03215.004	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site E	MAR03215.005	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site F	MAR03215.006	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site G	MAR03215.007	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site H	MAR03215.008	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site I	MAR03215.009	Sediment	0.05	0.03	0.04	0.06	0.09	0.10	0.10

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Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)	% (at 0.5phi intervals)
		Method No	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01	*SUB_01
		Accreditation	MMO	MMO	MMO	MMO	MMO	MMO	MMO
			0.34µm	0.24µm	0.17µm	0.12µm	0.09µm	0.06µm	0.04µm
Client Reference:	SOCOTEC Ref:	Matrix	11.5	12.0	12.5	13.0	13.5	14.0	14.5
Site A	MAR03215.001	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site B	MAR03215.002	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site C	MAR03215.003	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site D	MAR03215.004	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site E	MAR03215.005	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site F	MAR03215.006	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site G	MAR03215.007	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site H	MAR03215.008	Sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site I	MAR03215.009	Sediment	0.09	0.08	0.07	0.05	0.04	0.02	0.00

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Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	% (at 0.5phi intervals)
		Method No	*SUB_01
		Accreditation	MMO
			<0.04µm
Client Reference:	SOCOTEC Ref:	Matrix	>14.5
Site A	MAR03215.001	Sediment	0.00
Site B	MAR03215.002	Sediment	0.00
Site C	MAR03215.003	Sediment	0.00
Site D	MAR03215.004	Sediment	0.00
Site E	MAR03215.005	Sediment	0.00
Site F	MAR03215.006	Sediment	0.00
Site G	MAR03215.007	Sediment	0.00
Site H	MAR03215.008	Sediment	0.00
Site I	MAR03215.009	Sediment	0.00

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Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	mg/Kg (Dry Weight)							
		Method No	ICPMSS*							
		Limit of Detection	0.5	0.04	0.5	0.5	0.01	0.5	0.5	2
		Accreditation	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO
Client Reference:	**SOCOTEC Ref:**	**Matrix**	**Arsenic (As)**	**Cadmium (Cd)**	**Chromium (Cr)**	**Copper (Cu)**	**Mercury (Hg)**	**Nickel (Ni)**	**Lead (Pb)**	**Zinc (Zn)**
Site A	MAR03215.001	Sediment	9.80	0.04	5.00	2.40	0.01	6.00	7.50	45.8
Site B	MAR03215.002	Sediment	8.80	0.05	4.10	2.40	<0.01	5.20	7.00	44.8
Site C	MAR03215.003	Sediment	8.60	0.04	4.20	2.10	0.01	5.30	7.80	37.4
Site D	MAR03215.004	Sediment	9.10	<0.04	4.70	2.50	0.01	5.70	7.30	38.6
Site E	MAR03215.005	Sediment	9.70	0.04	4.00	2.60	0.01	5.50	8.20	41.3
Site F	MAR03215.006	Sediment	9.00	0.04	4.10	2.30	<0.01	5.20	7.10	38.7
Site G	MAR03215.007	Sediment	10.10	0.04	4.30	3.10	0.01	5.80	8.70	55.8
Site H	MAR03215.008	Sediment	9.80	0.04	4.50	3.50	0.01	5.90	8.20	47.3
Site I	MAR03215.009	Sediment	9.50	0.04	4.70	6.40	<0.01	5.80	7.50	48.3
Certified Reference Material SETOC 768 (% Recovery)			110	110	114	108	109	110	109	109
QC Blank			<0.5	<0.04	<0.5	<0.5	<0.01	<0.5	<0.5	<2

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Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		Units	mg/Kg (Dry Weight)	
		Method No	ASC/SOP/301	
		Limit of Detection	0.001	0.001
		Accreditation	UKAS/MMO	UKAS/MMO
Client Reference:	**SOCOTEC Ref:**	**Matrix**	**Dibutyltin (DBT)**	**Tributyltin (TBT)**
Site A	MAR03215.001	Sediment	<0.001	<0.001
Site B	MAR03215.002	Sediment	<0.001	<0.001
Site C	MAR03215.003	Sediment	<0.001	<0.001
Site D	MAR03215.004	Sediment	<0.001	<0.001
Site E	MAR03215.005	Sediment	<0.001	<0.001
Site F	MAR03215.006	Sediment	<0.001	<0.001
Site G	MAR03215.007	Sediment	<0.001	<0.001
Site H	MAR03215.008	Sediment	<0.001	<0.001
Site I	MAR03215.009	Sediment	<0.001	<0.001
Certified Reference Material BCR-646 (% Recovery)			74	96
QC Blank			<0.001	<0.001

* See Report Notes

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Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		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/303/304	ASC/SOP/303/304	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	1	1
		Accreditation	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO
Client Reference:	**SOCOTEC Ref:**	**Matrix**	**ACENAPTH**	**ACENAPHY**	**ANTHRACN**	**BAA**	**BAP**	**BBF**	**BENZGHIP**	**BEP**
Site A	MAR03215.001	Sediment	<1	<1	<1	<1	1.48	1.78	<1	<1
Site B	MAR03215.002	Sediment	<1	<1	2.12	8.40	8.72	7.76	4.37	5.36
Site C	MAR03215.003	Sediment	<1	<1	<1	<1	<1	<1	<1	<1
Site D	MAR03215.004	Sediment	<1	<1	<1	1.42	1.36	2.03	<1	1.27
Site E	MAR03215.005	Sediment	<1	<1	2.35	1.94	1.64	2.25	<1	1.72
Site F	MAR03215.006	Sediment	<1	<1	1.23	<1	<1	1.58	<1	<1
Site G	MAR03215.007	Sediment	<1	<1	3.47	3.57	3.14	4.71	1.95	3.03
Site H	MAR03215.008	Sediment	<1	<1	1.57	1.65	1.44	1.70	<1	<1
Site I	MAR03215.009	Sediment	<1	<1	<1	<1	<1	<1	<1	<1
Certified Reference Material Quasimeme SED42 (% Recovery)			35	140	75	81	88	89	94	91
QC Blank			<1	<1	<1	<1	<1	<1	<1	<1

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

For full analyte name see method summaries.

*See report notes

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Customer Reference River Neath Channel - NRW Analysis

		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/303/304	ASC/SOP/303/304	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	1	1
		Accreditation	UKAS/MMO	MMO	MMO	MMO	MMO	UKAS/MMO	UKAS/MMO	UKAS/MMO
Client Reference:	**SOCOTEC Ref:**	**Matrix**	**BKF***	**C1N**	**C1PHEN**	**C2N**	**C3N**	**CHRYSENE***	**DBENZAH**	**FLUORANT**
Site A	MAR03215.001	Sediment	1.51	1.55	<1	1.32	<1	1.79	<1	2.69
Site B	MAR03215.002	Sediment	7.61	5.14	4.05	3.11	1.91	9.43	<1	15.7
Site C	MAR03215.003	Sediment	<1	2.02	1.35	1.72	<1	1.30	<1	2.21
Site D	MAR03215.004	Sediment	1.69	2.85	1.65	2.50	1.78	2.07	<1	3.47
Site E	MAR03215.005	Sediment	2.02	12.0	4.24	6.83	4.22	3.22	<1	6.86
Site F	MAR03215.006	Sediment	1.24	3.22	2.15	2.75	1.81	1.92	<1	2.86
Site G	MAR03215.007	Sediment	3.25	12.8	6.24	7.50	4.20	5.45	<1	10.2
Site H	MAR03215.008	Sediment	1.70	3.05	1.82	2.14	<1	2.44	<1	4.72
Site I	MAR03215.009	Sediment	<1	1.97	<1	1.69	<1	<1	<1	2.10
Certified Reference Material Quasimeme SED42 (% Recovery)			78	104	66	98	54	97	99	90
QC Blank			<1	<1	<1	<1	<1	<1	<1	<1

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

For full analyte name see method summaries.

*See report notes

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Test Report ID MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

		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/MMO	UKAS/MMO	UKAS/MMO	MMO	UKAS/MMO	UKAS/MMO
Client Reference:	**SOCOTEC Ref:**	**Matrix**	**FLUORENE**	**INDPYR**	**NAPTH**	**PERYLENE**	**PHENANT**	**PYRENE**
Site A	MAR03215.001	Sediment	<1	<1	1.25	<1	1.59	2.15
Site B	MAR03215.002	Sediment	1.46	5.67	6.34	3.15	5.12	13.2
Site C	MAR03215.003	Sediment	<1	<1	1.81	<1	1.81	1.75
Site D	MAR03215.004	Sediment	<1	<1	2.05	<1	2.17	2.76
Site E	MAR03215.005	Sediment	2.35	<1	11.9	<1	7.76	5.78
Site F	MAR03215.006	Sediment	<1	<1	2.92	<1	2.59	2.44
Site G	MAR03215.007	Sediment	2.98	2.41	13.3	<1	9.88	8.70
Site H	MAR03215.008	Sediment	<1	<1	3.00	<1	2.97	4.93
Site I	MAR03215.009	Sediment	<1	<1	1.60	<1	1.79	1.74
Certified Reference Material Quasimeme SED42 (% Recovery)			66	99	97	113	79	91
QC Blank			<1	<1	<1	<1	<1	<1

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

For full analyte name see method summaries.

*See report notes

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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 MAR03215
Issue Version 1
Customer Reference River Neath Channel - NRW Analysis

REPORT NOTES

Method Code	Sample ID	The following information should be taken into consideration when using the data contained within this report
*SUB_01	MAR03215.001-015	Analysis was conducted by an approved subcontracted laboratory.
WSLM59*	MAR03215.001-015	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
ICPMSS*	MAR03215.001-015	Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.
ASC/SOP/303/304	MAR03215.001-015	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	MAR03215.001-015	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

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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	MAR03215
Issue Version	1
Customer Reference	River Neath Channel - NRW Analysis

Method	Sample and Fraction Size	Method Summary
Particle Size Analysis	Wet Sediment	Wet and dry sieving followed by laser diffraction analysis.
Total Organic Carbon (TOC)	Air dried	Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.
Metals	Air dried	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.

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	PPDDE	p,p'-Dichlorodiphenyldichloroethylene
BENZGHIP	Benzo[ghi]perylene	NAPTH	Naphthalene	PPDDT	p,p'-Dichlorodiphenyltrichloroethane
BKF	Benzo[k]fluoranthene	PERYLENE	Perylene	PPTDE	p,p'-Dichlorodiphenyldichloroethane
C1N	C1-naphthalenes	PHENANT	Phenanthrene		
C1PHEN	C1-phenanthrene	PYRENE	Pyrene		

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