



Immingham Green Energy Terminal

TR030008

Volume 7

7.9 Sediment Contamination Data (Part 2)

Planning Act 2008

Regulation 5(2)(q)

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Sept

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Immingham Green Energy Terminal Development Consent Order 2023

7.9 Sediment Contamination Data (Part 2)

Regulation Reference	APFP Regulation 5(2)(q)
Planning Inspectorate Case Reference	TR030008
Application Document Reference	TR030008/APP/7.9
Author	Associated British Ports
	Air Products BR

Version	Date	Status of Version
Revision 1	21 September 2023	DCO Application

Applicant Information

Instructions:

- 1. All applicants and laboratories should refer to the most recent guidance on sediment analysis in support of marine licence applications
 - Sediment analysis guidance
- 2. Full information must be provided under each relevant sheet of the workbook. Grey highlighted cells indicate where information can be entered
- 3. Where information cannot be provided, the applicant should consult with the MMO prior to submission.
- 4. Worksheets are protected to prevent accidental amendments to calculated values. If amendments are required please consult with the MMO.
- 5. Sample IDs used through the data output worksheets should correspond to Sample IDs provided on this worksheet.
- 6 Where more than 6 dredge areas or 30 samples are required, please contact MMO.
- 7. Macros must be enabled to use this workbook

Marine licence applicant information:

Applicant:	ABP Immingham
Application number:	SAM/2022/00106
Application title:	Immingham Green Energy Terminal
Date sampled:	02/03/2023
Sampling location:	Port of Immingham
Sampling location:	Port of infiningham

Dredge area tonnages:

Dredge Area	Dredging tonnages	% total dredged material	Total dredged material
Area i	5,500	100.00%	
Area ii			
Area iii			5,500
Area iv			5,500
Area v			
Area vi			

MMO use only

Sample numbers and locations

		Ones de cation (de cin				
Sample ID	Excluded sample (MMO use)	Sample location (decime Position latitude		Location name (as per sampling plan)	Sampling depth (m)	Dredge area
0	(wiwiO use)	53.627113	Position longitude -0.149789	Site H		A 1
Sample 8 1.00m					1	Area i
Sample 8 2.00m		53.627113	-0.149789	Site H	2	Area i
Sample 8 2.90m		53.627113	-0.149789	Site H	2.9	Area i

Physical characteristics data

Instructions:

- 1. Record the laboratory/contractor responsible for analysis
- 2. Record the date the samples were analysed.
- 3. Enter full dataset for each sample in the analysis results table
- 4. Where copying and pasting entries please use paste values only
- Where entering multiple Sample IDs please use the pop-up form IDs should be separated by a comma

Analysis information:

Laboratory/contractor: Ocean Ecology Ltd

Date of analysis: 05/05/2023

Physical characteristics analysis outputs:

Laboratory				Exempt from	Total Solids (%	Organic matter (total				
sample number	Dredge Area	Sample ID(s)	Visual appearance*	chemical analysis	total sediments)	organic carbon)	-5.5	-5.0	-4.5	-4.0
				,	,	g,	45mm	31.5mm	22.4mm	16mm
MAR01806.031	Area i	Sample 8 1.00m	Odourless Brown Gravelly Mud.		87.50	0.8500	0.00	0.00	0.00	0.00
MAR01806.032	Area i	Sample 8 2.00m	Odourless Brown Gravelly Mud.		82.10	0.4600	0.00	0.00	0.00	0.00
MAR01806.033	Area i	Sample 8 2.90m	Odourless Other Muddy Gravel.		81.50	0.3900	0.00	0.00	20.15	19.99

^{*} Visual appearance: Incude a description of what the material looks like and what it contains, e.g. sandy material containing brick fragments, or black silt, or foreign man made matter caught in the sample.

[•] Exempt from chemical analysis: enter 'y' where sediment samples contain glacial material or are too coarse and thus exempt from chemical analysis.

		1						1		1							n (% at 0.5 phi inte	
-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
11.2mm	8mm	5.6mm	4mm	2.8mm	2mm	1.4mm	1mm	707µm	500µm	353.6µm	250µm	176.8µm	125µm	88.39µm	63µm	44.2µm	31.3µm	22.1µm
2.54	0.21	0.89	1.15	1.20	0.79	0.77	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.10	2.31	2.03	7.67	6.87
0.00	0.87	0.97	1.28	1.08	1.05	0.84	0.80	0.00	0.00	0.00	0.00	0.21	4.47	3.36	1.49	4.80	6.97	7.38
8.88	9.32	6.73	4.41	2.97	2.04	1.36	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.93

6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	>14.5
15.6µm	11µm	7.8µm	5.5µm	3.9µm	2.75µm	1.95µm	1.38µm	0.98µm	0.69µm	0.49µm	0.34µm	0.24µm	0.17µm	0.12µm	0.09µm	0.06µm	0.04µm	<0.04µm
4.33	5.83	6.93	7.90	7.74	5.90	4.97	5.64	5.90	5.08	3.97	2.99	2.19	1.50	1.03	0.61	0.24	0.03	0.00
6.77	6.49	7.23	7.81	6.95	5.02	3.89	3.99	4.06	3.54	2.80	2.10	1.51	1.02	0.69	0.41	0.16	0.02	0.00
0.93	1.13	1.72	2.88	3.18	2.31	1.81	2.04	2.07	1.62	1.05	0.58	0.27	0.09	0.02	0.00	0.00	0.00	0.00

Trace metal data

Instructions:

- 1. Record the laboratory/contractor responsible for trace metal analysis
- 2. Record the date the samples were analysed.
- 3. Enter full dataset for each sample in the analysis results table
- 4. Trace metal analysis results should be reported in mg/kg (ppm) dry weight
- 5. Enter methdological limit of detection for each trace metal prior to inputting raw data 6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
- 7. Where copying and pasting entries please use paste values only
- 8. Where entering multiple Sample IDs please use the pop-up form $\,$

IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC

Date of analysis: 21/04/2023

Laboratory							Metals as mg/l	kg dry weight			
sample number	Dredge Area	Sample ID(s)	Total solids (%)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Copper (Cu)	Mercury (Hg)	Nickel (Ni)	Lead (Pb)	Zinc (Zn)
MAR01806.031	Area i	Sample 8 1.00m	87.5	5.9	0.11	18.9	13.9	0.03	23.8	9.1	43.9
MAR01806.032	Area i	Sample 8 2.00m	82.1	1	0.26	0.9	3.9	0.01	8.3	1.4	18
MAR01806.033	Area i	Sample 8 2.90m	81.5	<lod< td=""><td>0.15</td><td>1</td><td>5.1</td><td><lod< td=""><td>6.6</td><td>1.5</td><td>14.6</td></lod<></td></lod<>	0.15	1	5.1	<lod< td=""><td>6.6</td><td>1.5</td><td>14.6</td></lod<>	6.6	1.5	14.6
		Limits of detection	on (mg/kg dry weight):	0.5	0.04	0.5	0.5	0.01	0.5	0.5	2

Organotin data

Instructions:

- 1. Record the laboratory/contractor responsible for organotin analysis
- 2. Record the date the samples were analysed.
- 3. Enter full dataset for each sample in the analysis results table
- 4. Organotin analysis results should be reported in mg/kg (ppm) dry weight
- 5. Enter methological limit of detection for each organotin prior to inputting raw data
- 6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
- 7. Where copying and pasting entries please use paste values only
- 8. Where entering multiple Sample IDs please use the pop-up form IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC

Date of analysis: 12/04/2023

				Organotins as m	ig/kg dry weight
Laboratory sample number	Dredge Area	Sample ID(s)	Total solids (%)	Dibutyltine (DBT)	Tributyltin (TBT)
MAR01806.031	Area i	Sample 8 1.00m	87.5	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
MAR01806.032	Area i	Sample 8 2.00m	82.1	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
MAR01806.033	Area i	Sample 8 2.90m	81.5	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
	L	imits of detection (r	ng/kg dry weight):	0.005	0.005

Polyaromatic hydrocarbon data

Instructions:

- Record the laboratory/contractor responsible for PAH analysis
- 2. Record the date the samples were analysed.
- 3. Enter full dataset for each sample in the analysis results table
- Analysis results for individual PAHs should be reported in µg/kg (ppb) dry weight.
 THC should be reported as mg/kg (ppm)
- 5. Enter methological limit of detection for each PAH prior to inputting raw data
- 6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
- Where copying and pasting entries please use paste values only
- Where entering multiple Sample IDs please use the pop-up form
 IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC

Date of analysis: 19/04/2023

Laboratory	Dredge Area	Sample ID(s)	Total Solids (%)		,		1		*			,	
sample number	Dieuge Area	Sample ID(s)	Total Solids (%)	Acenapthene	Acenapthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[e]pyrene	Benzo[k]fluoranthene	C1-Napthalenes
MAR01806.031	Area i	Sample 8 1.00m	87.5	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""></lod<></th></lod<>	<lod< th=""></lod<>
MAR01806.032	Area i	Sample 8 2.00m	82.1	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""></lod<></th></lod<>	<lod< th=""></lod<>
MAR01806.033	Area i	Sample 8 2.90m	81.5	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<></th></lod<>	<lod< th=""><th><lod< th=""><th>1.27</th></lod<></th></lod<>	<lod< th=""><th>1.27</th></lod<>	1.27
_													
		Limits of detection	(µg/kg dry weight):	1	1	1	1	1	1	1	1	1	1
											,		

	t (µg/kg dry weight)		1			1				1		Total hydrocarb
1-Phenanthrenes	C2-Napthalenes	C3-Napthalenes	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[123-c,d]pyrene	Napthalene	Perylene	Phenanthrene	Pyrene	content (mg/kg
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1	1	1	1	1	1	1	1	1	1	1	1	1

Polychlorinated biphenyl data

Instructions:

Record the laboratory/contractor responsible for PCB analysis

- 2. Record the date the samples were analysed.
- 3. Enter full dataset for each sample in the analysis results table
- 4. Analysis results should be reported in mg/kg (ppm) dry weight.
- 5. Enter methological limit of detection for each PCB prior to inputting raw data
- 6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
- 7. ICES 7 PCBs are highlighted in bold
- 8. Where copying and pasting entries please use paste values only
- Where entering multiple Sample IDs please use the pop-up form IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC

Date of analysis: 10/04/2023

Laboratory sample number	Dredge Area	Sample ID(s)	Total Solids (%)	2,2',4,5,5'- Pentachlorobiphenyl CB101	2,3,3',4,4'- Pentachlorobiphenyl CB105	2,3,3',4',6- Pentachlorobiphenyl CB110	2,3',4,4',5- Pentachlorobiphenyl CB118	2,2',3,3',4,4'- Hexachlorobiphenyl CB128	2,2',3,4,4',5'- Hexachlorobiphenyl CB138	2,2',3,4,5,5'- Hexachlorobiphenyl CB141	2,2',3,4',5',6- Hexachlorobiphenyl CB149	2,2',3,5,5',6- Hexachlorobiphenyl CB151	2,2',4,4',5,5'- Hexachlorobiphenyl CB153
MAR01806.031	Area i	Sample 8 1.00m	87.5	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
MAR01806.032	Area i	Sample 8 2.00m	82.1	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
MAR01806.033	Area i	Sample 8 2.90m	81.5	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
	Li	mits of detection (m	ng/kg dry weight):	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008

·		CBs as mg/kg dry weigh	ht											
2,3,3',4,4',5- Hexachlorobiphenyl CB156	2,3,3',4,4',6- Hexachlorobiphenyl CB158	2,2',3,3',4,4',5- Heptachlorobiphenyl CB170	2,2',5- Trichlorobiphenyl CB18	2,2',3,4,4',5,5'- Heptachlorobiphenyl CB180	2,2',3,4,4',5',6- Heptachlorobiphenyl CB183	2,2',3,4',5,5',6- Heptachlorobiphenyl CB187	2,2',3,3',4,4',5,5'- Octachlorobiphenyl CB194	2,4,4'-Trichlorobiphenyl CB28	2,4',5-Trichlorobiphenyl CB31	2,2',3,5'- Tetrachlorobiphenyl CB44	2,2',4,4'- Tetrachlorobiphenyl CB47	2,2',4,5'- Tetrachlorobiphenyl CB49	2,2',5,5'- Tetrachlorobiphenyl CB52	2,3',4,4'- Tetrachlorobiphenyl CB66
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0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008

Organochlorine data

Instructions:

- 1. Record the laboratory/contractor responsible for analysis
- 2. Record the date the samples were analysed.
- 3. Enter full dataset for each sample in the analysis results table
- 4. Analysis results should be reported in mg/kg (ppm) dry weight.
- 5. Enter methdological limit of detection for each Organochlorine prior to inputting raw data
- 6. Where analysis outputs are less than the limits of detection please enter text "<LOD"
- 7. Where copying and pasting entries please use paste values only
- Where entering multiple Sample IDs please use the pop-up form IDs should be separated by a comma

Analysis information:

Laboratory/contractor: SOCOTEC

Date of analysis: 10/04/2023

				Organochlorine pesticides as mg/kg dry weight									
Laboratory sample number	Dredge Area	Sample ID(s)	Total Solids (%)	alpha- hexachlorocyclohexane (AHCH)	beta- hexachlorocyclohexane (BHCH)	gamma- hexachlorocyclohexane (GHCH)	Dieldrin	Hexachlorobenzene (HCB)	1,1-Dichloro-2,2-bis(p- chlorophenyl) ethylene (PPDDE)	Dichlorodiphenyltrichloroe thane (PPDDT)	1,1-dichloro-2,2-bis(p- chlorophenyl)ethane (PPTDE)		
MAR01806.031	Area i	Sample 8 1.00m	87.5	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
MAR01806.032	Area i	Sample 8 2.00m	82.1	<lod< td=""><td><lod< td=""><td><lod< td=""><td>0.0001</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>0.0001</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>0.0001</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	0.0001	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
MAR01806.033	Area i	Sample 8 2.90m	81.5	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
	1	imits of detection (ma/ka drv weiaht):	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001		
		,	J .g ,g).	0.0001	5.5551	5.5551	0.0001	0.0001	0.0001	0.0001	0.0001		

Brominated flame retardant data

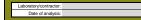
Instructions:

- 1. Record the laboratory/contractor responsible for analysis
- 2. Record the date the samples were analysed.

3. Enter full dataset for each sample in the analysis results table

- Analysis results should be reported in mg/kg (ppm) dry weight.
 Enter methological limit of detection for each BDE prior to inputting raw data
 Where analysis outputs are less than the limits of detection please enter text "+LOD"
- Where copying and pastile est institute user please use paste values only
 Where copying and pastile patries please use paste values only
 Where entering multiple Sample IDs please use the pop-up form
 IDs should be separated by a comma

Analysis information:



				Brominated fiame retardants as mg/kg dry weight											
Laboratory sample number	Dredge Area	Sample ID(s)	Total Solids (%)	2,2',4,4',6-penta- bromodiphenyl ether (BDE100)	Hexabromodiphenyl ether (BDE138)	2,2',4,4',5,5'-hexa- bromodiphenyl ether (BDE153)	2,2',4,4',5,6'-hexa- bromodiphenyl ether (BDE154)	2,2',4-tri- bromodiphenylether (BDE17)	2,2',3,4,4',5',6- heptabromodiphenyl ether (BDE183)	2,2',3,3',4,4',5,5',6,6'- decabrominated diphenyl ether (BDE 209)	2,4,4'-tribromodiphenyl ether (BDE28)	2,2',4,4'- Tetrabromodiphenyl ether (BDE47)	2,3',4,4'- Tetrabromodiphenyl ether (BDE66)	2,2',3,4,4'- Pentabromodiphenyl ether (BDE85)	2,2',4,4',5- pentabromodiphenyl ether (BDE99)
		imits of detection (ma/ka day weight):	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.004	0.00005	0.00005	0.00005	0.00005	0.00005
		innis or detection (mg/kg dry Weight).	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.004	0.00005	0.00005	0.00005	0.00005	0.00005