Scottish Government
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Pre-deposit Sampling Results Form

Version 3 - January 2024

This form should be used to submit the results from your pre-deposit sampling plan.
Full information must be provided in all relevant sheets of this workbook. The blue cells in each worksheet indicate where information can be entered.
Where information cannot be provided, please contact the Marine Directorate - Licensing Operations Team (MD-LOT) using the contact details below.

Once you have completed this form, send it (including any reference number for the dredging and sea deposit marine licence application in the subject header of your email) to the following email address:
md.marinelicensing@gov.scot

If you have any questions in relation to this form contact MD-LOT:

Marine Directorate - Licensing Operations Team
Marine Laboratory
375 Victoria Road
Aberdeen, AB11 9DB

01224 295579
md.marinelicensing@gov.scot

Applicant Information

Applicant:	Highland Council
Description of dredging:	Helmsdale Dredge Area A & Disposal Area B
Total amount to be dredged (wet tonnes)	4,224

Sample Details & Physical Properties

Explanatory Notes:
An example of a 'Dredge area' is: 'Dock A, Harbour X'
Provide description of the dredge area and the latitude and longitude co-oridnates (WGS84) for each sample location. Co-ordinates taken from GPS equipment should be set to WGS84.
Note for sample depth that the seabed is 0 metres.
Gravel is defined as >2mm, **Sand** is defined as >63um<2mm, **Silt** is deinfed as <63um).

Sample information:

Sample ID	Dredge area	Latitude	Longitude	Type of sample	Sample depth (m)	Total solids (%)	Gravel (%)	Sand (%)	Silt (%)	TOC (%)	Specific gravity	Asbestos
MAR03164.00	Dredge Area A - sample 1	58° 06.828 N	003° 38.903 W	Grab	0	83.6	77.98	20.85	1.17	0.1	2.62	No
MAR03164.00	Disposal Area B -sample	58° 06.810 N	003° 39.030 W	Grab	0	84.2	46.63	50.77	2.59	0.53	2.62	No
MAR03164.00	Disposal Area B - sample	58° 06.799 N	003° 38.970 W	Grab	0	82	17.1	79.97	2.94	0.29	2.61	No
MAR03164.00	Disposal Area B - sample	58° 06.785 N	003° 38.941 W	Grab	0	33.1	10.66	88.51	0.84	0.07	2.61	No

Trace Metals & Organotins

Explanatory Notes:
Results above Action Level 1 will be highlighted in blue and above Action Level 2 in red.

Sample information:

Sample ID	Dredge area	Type of sample	Sample depth (m)	mg/kg dry weight									
				Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Copper (Cu)	Mercury (Hg)	Nickel (Ni)	Lead (Pb)	Zinc (Zn)	Dibutyltin (DBT)	Tributyltin (TBT)
MAR03164.00	Dredge Area A - sample 3	Grab	0	3	0.09	17.7	13.4	0.04	10.6	19.4	48.7	<0.001	<0.001
MAR03164.00	Disposal Area B -sample 1	Grab	0	3	0.05	15.6	6.8	0.02	10.4	16.7	32	<0.001	<0.001
MAR03164.00	Disposal Area B - sample 2	Grab	0	3.5	<0.04	12	5.3	0.02	8.1	12.8	21	<0.001	<0.001
MAR03164.00	Disposal Area B - sample 3	Grab	0	3.2	<0.04	11.3	6.7	0.02	7.9	14.1	26.5	<0.005	<0.005
0	0	0	0										
0	0	0	0										
0	0	0	0									

Polyaromatic Hydrocarbons (PAH)

Explanatory Notes:
Results above Action Level 1 will be highlighted in blue

Definitions:

ACENAPTH	Acenaphthene
ACENAPHY	Acenaphthylene
ANTHRACN	Anthracene
BAA	Benz[a]anthracene
BAP	Benzo[a]pyrene
BBF	Benzo[b]fluoranthene
BEP	Benzo[e]pyrene
BENZGHIP	Benzo[ghi]perylene
BKF	Benzo[K]fluoranthene
C1N	C1-naphthalenes
C1PHEN	C1-phenanthrene
C2N	C2-naphthalenes
C3N	C3-naphthalenes
CHRYSENE	Chrysene
DBENZAH	Dibenz[ah]anthracene
FLUORANT	Fluoranthene
FLUORENE	Fluorene
INDPYR	Indeno(1,2,3-cd)pyrene
NAPTH	Naphthalene
PERYLENE	Perylene
PHENANT	Phenanthrene
PYRENE	Pyrene
THC	Total Hydrocarbon Content

Sample information:

Sample ID	Dredge area	Type of sample	Sample depth (m)	ug/kg ACENAPTH	ACENAPHY	ANTHRACN	BAA	BAP	BBF	BEP	BENZGHIP	BKF	C1N	C1PHEN	C2N	C3N	CHRYSENE	DBENZAH	FLUORANT	FLUORENE	INDPYR	NAPTH	PERYLENE	PHENANT	PYRENE	THC
MAR03164.001	Dredge Area A - sample 3	Grab	0	5.65	2.43	5.73	19.5	24.2	14.1	15	11.5	20.1	4	14.9	7.03	10.1	21.6	2.69	35.4	4	14.7	2.01	46.6	11	36.8	5650
MAR03164.002	Disposal Area B - sample 1	Grab	0	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.27	1.6	1.98	1.9	41	<1	1.3	<1	<1	1.29	27.8	1.63	1.45	4110
MAR03164.003	Disposal Area B - sample 2	Grab	0	<1	<1	<1	<1	<1	1.84	<1	<1	<1	1.73	1.49	1.89	1.71	2.44	<1	2.29	<1	<1	1.52	20.3	1.38	2.54	3740
MAR03164.004	Disposal Area B - sample 3	Grab	0	<1	<1	<1	<1	<1	<1	<1	<1	3.21	4.54	5.83	5.32	6	3.61	<1	7.47	<1	<1	3.6	114	5.44	6.62	33200
0	0	0	0																						

Organohalogens

Reg/secretary Notes
Results above Action Level 1 will be highlighted in blue and above Action Level 2 in red.
DIEST is the sum of PCB 28,52,101,138,153,180 and 118

Abbreviations

ALS Ltd	ALS Environmental Middlewich
Client Ref	Additional client reference information
Date Taken	Sampling date
Lab No	ALS Environmental reference
PFOS/PFOA	Sum of Perfluorooctanesulfonate/Perfluorooctanoate
PFTOS	Sum of Perfluorooctanesulfonate/Perfluorooctanesulfonate

Results: Soil (dry/air)

| Customer ID | Position (plan) | Type of sampling | Example display only | AR1B-SS | AR1B-SS1 | AR1B-SS10 | AR1B-SS100 | AR1B-SS101 | AR1B-SS102 | AR1B-SS103 | AR1B-SS104 | AR1B-SS105 | AR1B-SS106 | AR1B-SS107 | AR1B-SS108 | AR1B-SS109 | AR1B-SS11 | AR1B-SS110 | AR1B-SS111 | AR1B-SS112 | AR1B-SS113 | AR1B-SS114 | AR1B-SS115 | AR1B-SS116 | AR1B-SS117 | AR1B-SS118 | AR1B-SS119 | AR1B-SS12 | AR1B-SS120 | AR1B-SS121 | AR1B-SS122 | AR1B-SS123 | AR1B-SS124 | AR1B-SS125 | AR1B-SS126 | AR1B-SS127 | AR1B-SS128 | AR1B-SS129 | AR1B-SS13 | AR1B-SS130 | AR1B-SS131 | AR1B-SS132 | AR1B-SS133 | AR1B-SS134 | AR1B-SS135 | AR1B-SS136 | AR1B-SS137 | AR1B-SS138 | AR1B-SS139 | AR1B-SS14 | AR1B-SS140 | AR1B-SS141 | AR1B-SS142 | AR1B-SS143 | AR1B-SS144 | AR1B-SS145 | AR1B-SS146 | AR1B-SS147 | AR1B-SS148 | AR1B-SS149 | AR1B-SS15 | AR1B-SS150 | AR1B-SS151 | AR1B-SS152 | AR1B-SS153 | AR1B-SS154 | AR1B-SS155 | AR1B-SS156 | AR1B-SS157 | AR1B-SS158 | AR1B-SS159 | AR1B-SS16 | AR1B-SS160 | AR1B-SS161 | AR1B-SS162 | AR1B-SS163 | AR1B-SS164 | AR1B-SS165 | AR1B-SS166 | AR1B-SS167 | AR1B-SS168 | AR1B-SS169 | AR1B-SS17 | AR1B-SS170 | AR1B-SS171 | AR1B-SS172 | AR1B-SS173 | AR1B-SS174 | AR1B-SS175 | AR1B-SS176 | AR1B-SS177 | AR1B-SS178 | AR1B-SS179 | AR1B-SS18 | AR1B-SS180 | AR1B-SS181 | AR1B-SS182 | AR1B-SS183 | AR1B-SS184 | AR1B-SS185 | AR1B-SS186 | AR1B-SS187 | AR1B-SS188 | AR1B-SS189 | AR1B-SS19 | AR1B-SS190 | AR1B-SS191 | AR1B-SS192 | AR1B-SS193 | AR1B-SS194 | AR1B-SS195 | AR1B-SS196 | AR1B-SS197 | AR1B-SS198 | AR1B-SS199 | AR1B-SS2 | AR1B-SS20 | AR1B-SS200 | AR1B-SS201 | AR1B-SS202 | AR1B-SS203 | AR1B-SS204 | AR1B-SS205 | AR1B-SS206 | AR1B-SS207 | AR1B-SS208 | AR1B-SS209 | AR1B-SS21 | AR1B-SS210 | AR1B-SS211 | AR1B-SS212 | AR1B-SS213 | AR1B-SS214 | AR1B-SS215 | AR1B-SS216 | AR1B-SS217 | AR1B-SS218 | AR1B-SS219 | AR1B-SS22 | AR1B-SS220 | AR1B-SS221 | AR1B-SS222 | AR1B-SS223 | AR1B-SS224 | AR1B-SS225 | AR1B-SS226 | AR1B-SS227 | AR1B-SS228 | AR1B-SS229 | AR1B-SS23 | AR1B-SS230 | AR1B-SS231 | AR1B-SS232 | AR1B-SS233 | AR1B-SS234 | AR1B-SS235 | AR1B-SS236 | AR1B-SS237 | AR1B-SS238 | AR1B-SS239 | AR1B-SS24 | AR1B-SS240 | AR1B-SS241 | AR1B-SS242 | AR1B-SS243 | AR1B-SS244 | AR1B-SS245 | AR1B-SS246 | AR1B-SS247 | AR1B-SS248 | AR1B-SS249 | AR1B-SS25 | AR1B-SS250 | AR1B-SS251 | AR1B-SS252 | AR1B-SS253 | AR1B-SS254 | AR1B-SS255 | AR1B-SS256 | AR1B-SS257 | AR1B-SS258 | AR1B-SS259 | AR1B-SS26 | AR1B-SS260 | AR1B-SS261 | AR1B-SS262 | AR1B-SS263 | AR1B-SS264 | AR1B-SS265 | AR1B-SS266 | AR1B-SS267 | AR1B-SS268 | AR1B-SS269 | AR1B-SS27 | AR1B-SS270 | AR1B-SS271 | AR1B-SS272 | AR1B-SS273 | AR1B-SS274 | AR1B-SS275 | AR1B-SS276 | AR1B-SS277 | AR1B-SS278 | AR1B-SS279 | AR1B-SS28 | AR1B-SS280 | AR1B-SS281 | AR1B-SS282 | AR1B-SS283 | AR1B-SS284 | AR1B-SS285 | AR1B-SS286 | AR1B-SS287 | AR1B-SS288 | AR1B-SS289 | AR1B-SS29 | AR1B-SS290 | AR1B-SS291 | AR1B-SS292 | AR1B-SS293 | AR1B-SS294 | AR1B-SS295 | AR1B-SS296 | AR1B-SS297 | AR1B-SS298 | AR1B-SS299 | AR1B-SS3 | AR1B-SS30 | AR1B-SS300 | AR1B-SS301 | AR1B-SS302 | AR1B-SS303 | AR1B-SS304 | AR1B-SS305 | AR1B-SS306 | AR1B-SS307 | AR1B-SS308 | AR1B-SS309 | AR1B-SS31 | AR1B-SS310 | AR1B-SS311 | AR1B-SS312 | AR1B-SS313 | AR1B-SS314 | AR1B-SS315 | AR1B-SS316 | AR1B-SS317 | AR1B-SS318 | AR1B-SS319 | AR1B-SS32 | AR1B-SS320 | AR1B-SS321 | AR1B-SS322 | AR1B-SS323 | AR1B-SS324 | AR1B-SS325 | AR1B-SS326 | AR1B-SS327 | AR1B-SS328 | AR1B-SS329 | AR1B-SS33 | AR1B-SS330 | AR1B-SS331 | AR1B-SS332 | AR1B-SS333 | AR1B-SS334 | AR1B-SS335 | AR1B-SS336 | AR1B-SS337 | AR1B-SS338 | AR1B-SS339 | AR1B-SS34 | AR1B-SS340 | AR1B-SS341 | AR1B-SS342 | AR1B-SS343 | AR1B-SS344 | AR1B-SS345 | AR1B-SS346 | AR1B-SS347 | AR1B-SS348 | AR1B-SS349 | AR1B-SS35 | AR1B-SS350 | AR1B-SS351 | AR1B-SS352 | AR1B-SS353 | AR1B-SS354 | AR1B-SS355 | AR1B-SS356 | AR1B-SS357 | AR1B-SS358 | AR1B-SS359 | AR1B-SS36 | AR1B-SS360 | AR1B-SS361 | AR1B-SS362 | AR1B-SS363 | AR1B-SS364 | AR1B-SS365 | AR1B-SS366 | AR1B-SS367 | AR1B-SS368 | AR1B-SS369 | AR1B-SS37 | AR1B-SS370 | AR1B-SS371 | AR1B-SS372 | AR1B-SS373 | AR1B-SS374 | AR1B-SS375 | AR1B-SS376 | AR1B-SS377 | AR1B-SS378 | AR1B-SS379 | AR1B-SS38 | AR1B-SS380 | AR1B-SS381 | AR1B-SS382 | AR1B-SS383 | AR1B-SS384 | AR1B-SS385 | AR1B-SS386 | AR1B-SS387 | AR1B-SS388 | AR1B-SS389 | AR1B-SS39 | AR1B-SS390 | AR1B-SS391 | AR1B-SS392 | AR1B-SS393 | AR1B-SS394 | AR1B-SS395 | AR1B-SS396 | AR1B-SS397 | AR1B-SS398 | AR1B-SS399 | AR1B-SS4 | AR1B-SS40 | AR1B-SS400 | AR1B-SS401 | AR1B-SS402 | AR1B-SS403 | AR1B-SS404 | AR1B-SS405 | AR1B-SS406 | AR1B-SS407 | AR1B-SS408 | AR1B-SS409 | AR1B-SS41 | AR1B-SS410 | AR1B-SS411 | AR1B-SS412 | AR1B-SS413 | AR1B-SS414 | AR1B-SS415 | AR1B-SS416 | AR1B-SS417 | AR1B-SS418 | AR1B-SS419 | AR1B-SS42 | AR1B-SS420 | AR1B-SS421 | AR1B-SS422 | AR1B-SS423 | AR1B-SS424 | AR1B-SS425 | AR1B-SS426 | AR1B-SS427 | AR1B-SS428 | AR1B-SS429 | AR1B-SS43 | AR1B-SS430 | AR1B-SS431 | AR1B-SS432 | AR1B-SS433 | AR1B-SS434 | AR1B-SS435 | AR1B-SS436 | AR1B-SS437 | AR1B-SS438 | AR1B-SS439 | AR1B-SS44 | AR1B-SS440 | AR1B-SS441 | AR1B-SS442 | AR1B-SS443 | AR1B-SS444 | AR1B-SS445 | AR1B-SS446 | AR1B-SS447 | AR1B-SS448 | AR1B-SS449 | AR1B-SS45 | AR1B-SS450 | AR1B-SS451 | AR1B-SS452 | AR1B-SS453 | AR1B-SS454 | AR1B-SS455 | AR1B-SS456 | AR1B-SS457 | AR1B-SS458 | AR1B-SS459 | AR1B-SS46 | AR1B-SS460 | AR1B-SS461 | AR1B-SS462 | AR1B-SS463 | AR1B-SS464 | AR1B-SS465 | AR1B-SS466 | AR1B-SS467 | AR1B-SS468 | AR1B-SS469 | AR1B-SS47 | AR1B-SS470 | AR1B-SS471 | AR1B-SS472 | AR1B-SS473 | AR1B-SS474 | AR1B-SS475 | AR1B-SS476 | AR1B-SS477 | AR1B-SS478 | AR1B-SS479 | AR1B-SS48 | AR1B-SS480 | AR1B-SS481 | AR1B-SS482 | AR1B-SS483 | AR1B-SS484 | AR1B-SS485 | AR1B-SS486 | AR1B-SS487 | AR1B-SS488 | AR1B-SS489 | AR1B-SS49 | AR1B-SS490 | AR1B-SS491 | AR1B-SS492 | AR1B-SS493 | AR1B-SS494 | AR1B-SS495 | AR1B-SS496 | AR1B-SS497 | AR1B-SS498 | AR1B-SS499 | AR1B-SS5 | AR1B-SS50 | AR1B-SS500 | AR1B-SS501 | AR1B-SS502 | AR1B-SS503 | AR1B-SS504 | AR1B-SS505 | AR1B-SS506 | AR1B-SS507 | AR1B-SS508 | AR1B-SS509 | AR1B-SS51 | AR1B-SS510 | AR1B-SS511 | AR1B-SS512 | AR1B-SS513 | AR1B-SS514 | AR1B-SS515 | AR1B-SS516 | AR1B-SS517 | AR1B-SS518 | AR1B-SS519 | AR1B-SS52 | AR1B-SS520 | AR1B-SS521 | AR1B-SS522 | AR1B-SS523 | AR1B-SS524 | AR1B-SS525 | AR1B-SS526 | AR1B-SS527 | AR1B-SS528 | AR1B-SS529 | AR1B-SS53 | AR1B-SS530 | AR1B-SS531 | AR1B-SS532 | AR1B-SS533 | AR1B-SS534 | AR1B-SS535 | AR1B-SS536 | AR1B-SS537 | AR1B-SS538 | AR1B-SS539 | AR1B-SS54 | AR1B-SS540 | AR1B-SS541 | AR1B-SS542 | AR1B-SS543 | AR1B-SS544 | AR1B-SS545 | AR1B-SS546 | AR1B-SS547 | AR1B-SS548 | AR1B-SS549 | AR1B-SS55 | AR1B-SS550 | AR1B-SS551 | AR1B-SS552 | AR1B-SS553 | AR1B-SS554 | AR1B-SS555 | AR1B-SS556 | AR1B-SS557 | AR1B-SS558 | AR1B-SS559 | AR1B-SS56 | AR1B-SS560 | AR1B-SS561 | AR1B-SS562 | AR1B-SS563 | AR1B-SS564 | AR1B-SS565 | AR1B-SS566 | AR1B-SS567 | AR1B-SS568 | AR1B-SS569 | AR1B-SS57 | AR1B-SS570 | AR1B-SS571 | AR1B-SS572 | AR1B-SS573 | AR1B-SS574 | AR1B-SS575 | AR1B-SS576 | AR1B-SS577 | AR1B-SS578 | AR1B-SS579 | AR1B-SS58 | AR1B-SS580 | AR1B-SS581 | AR1B-SS582 | AR1B-SS583 | AR1B-SS584 | AR1B-SS585 | AR1B-SS586 | AR1B-SS587 | AR1B-SS588 | AR1B-SS589 | AR1B-SS59 | AR1B-SS590 | AR1B-SS591 | AR1B-SS592 | AR1B-SS593 | AR1B-SS594 | AR1B-SS595 | AR1B-SS596 | AR1B-SS597 | AR1B-SS598 | AR1B-SS599 | AR1B-SS6 | AR1B-SS60 | AR1B-SS600 | AR1B-SS601 | AR1B-SS602 | AR1B-SS603 | AR1B-SS604 | AR1B-SS605 | AR1B-SS606 | AR1B-SS607 | AR1B-SS608 | AR1B-SS609 | AR1B-SS61 | AR1B-SS610 | AR1B-SS611 | AR1B-SS612 | AR1B-SS613 | AR1B-SS614 | AR1B-SS615 | AR1B-SS616 | AR1B-SS617 | AR1B-SS618 | AR1B-SS619 | AR1B-SS62 | AR1B-SS620 | AR1B-SS621 | AR1B-SS622 | AR1B-SS623 | AR1B-SS624 | AR1B-SS625 | AR1B-SS626 | AR1B-SS627 | AR1B-SS628 | AR1B-SS629 | AR1B-SS63 | AR1B-SS630 | AR1B-SS631 | AR1B-SS632 | AR1B-SS633 | AR1B-SS634 | AR1B-SS635 | AR1B-SS636 | AR1B-SS637 | AR1B-SS638 | AR1B-SS639 | AR1B-SS64 | AR1B-SS640 | AR1B-SS641 | AR1B-SS642 | AR1B-SS643 | AR1B-SS644 | AR1B-SS645 | AR1B-SS646 | AR1B-SS647 | AR1B-SS648 | AR1B-SS649 | AR1B-SS65 | AR1B-SS650 | AR1B-SS651 | AR1B-SS652 | AR1B-SS653 | AR1B-SS654 | AR1B-SS655 | AR1B-SS656 | AR1B-SS657 | AR1B-SS658 | AR1B-SS659 | AR1B-SS66 | AR1B-SS660 | AR1B-SS661 | AR1B-SS662 | AR1B-SS663 | AR1B-SS664 | AR1B-SS665 | AR1B-SS666 | AR1B-SS667 | AR1B-SS668 | AR1B-SS669 | AR1B-SS67 | AR1B-SS670 | AR1B-SS671 | AR1B-SS672 | AR1B-SS673 | AR1B-SS674 | AR1B-SS675 | AR1B-SS676 | AR1B-SS677 | AR1B-SS678 | AR1B-SS679 | AR1B-SS68 | AR1B-SS680 | AR1B-SS681 | AR1B-SS682 | AR1B-SS683 | AR1B-SS684 | AR1B-SS685 | AR1B-SS686 | AR1B-SS687 | AR1B-SS688 | AR1B-SS689 | AR1B-SS69 | AR1B-SS690 | AR1B-SS691 | AR1B-SS692 | AR1B-SS693 | AR1B-SS694 | AR1B-SS695 | AR1B-SS696 | AR1B-SS697 | AR1B-SS698 | AR1B-SS699 | AR1B-SS7 | AR1B-SS70 | AR1B-SS700 | AR1B-SS701 | AR1B-SS702 | AR1B-SS703 | AR1B-SS704 | AR1B-SS705 | AR1B-SS706 | AR1B-SS707 | AR1B-SS708 | AR1B-SS709 | AR1B-SS71 | AR1B-SS710 | AR1B-SS711 | AR1B-SS712 | AR1B-SS713 | AR1B-SS714 | AR1B-SS715 | AR1B-SS716 | AR1B-SS717 | AR1B-SS718 | AR1B-SS719 | AR1B-SS72 | AR1B-SS720 | AR1B-SS721 | AR1B-SS722 | AR1B-SS723 | AR1B-SS724 | AR1B-SS725 | AR1B-SS726 | AR1B-SS727 | AR1B-SS728 | AR1B-SS729 | AR1B-SS73 | AR1B-SS730 | AR1B-SS731 | AR1B-SS732 | AR1B-SS733 | AR1B-SS734 | AR1B-SS735 | AR1B-SS736 | AR1B-SS737 | AR1B-SS738 | AR1B-SS739 | AR1B-SS74 | AR1B-SS740 | AR1B-SS741 | AR1B-SS742 | AR1B-SS743 | AR1B-SS744 | AR1B-SS745 | AR1B-SS746 | AR1B-SS747 | AR1B-SS748 | AR1B-SS749 | AR1B-SS75 | AR1B-SS750 | AR1B-SS751 | AR1B-SS752 | AR1B-SS753 | AR1B-SS754 | AR1B-SS755 | AR1B-SS756 | AR1B-SS757 | AR1B-SS758 | AR1B-SS759 | AR1B-SS76 | AR1B-SS760 | AR1B-SS761 | AR1B-SS762 | AR1B-SS763 | AR1B-SS764 | AR1B-SS765 | AR1B-SS766 | AR1B-SS767 | AR1B-SS768 | AR1B-SS769 | AR1B-SS77 | AR1B-SS770 | AR1B-SS771 | AR1B-SS772 | AR1B-SS773 | AR1B-SS774 | AR1B-SS775 | AR1B-SS776 | AR1B-SS777 | AR1B-SS778 | AR1B-SS779 | AR1B-SS78 | AR1B-SS780 | AR1B-SS781 | AR1B-SS782 | AR1B-SS783 | AR1B-SS784 | AR1B-SS785 | AR1B-SS786 | AR1B-SS787 | AR1B-SS788 | AR1B-SS789 | AR1B-SS79 | AR1B-SS790 | AR1B-SS791 | AR1B-SS792 | AR1B-SS793 | AR1B-SS794 | AR1B-SS795 | AR1B-SS796 | AR1B-SS797 | AR1B-SS798 | AR1B-SS799 | AR1B-SS8 | AR1B-SS80 | AR1B-SS800 | AR1B-SS801 | AR1B-SS802 | AR1B-SS803 | AR1B-SS804 | AR1B-SS805 | AR1B-SS806 | AR1B-SS807 | AR1B-SS808 | AR1B-SS809 | AR1B-SS81 | AR1B-SS810 | AR1B-SS811 | AR1B-SS812 | AR1B-SS813 | AR1B-SS814 | AR1B-SS815 | AR1B-SS816 | AR1B-SS817 | AR1B-SS818 | AR1B-SS819 | AR1B-SS82 | AR1B-SS820 | AR1B-SS821 | AR1B-SS822 | AR1B-SS823 | AR1B-SS824 | AR1B-SS825 | AR1B-SS826 | AR1B-SS827 | AR1B-SS828 | AR1B-SS829 | AR1B-SS83 | AR1B-SS830 | AR1B-SS831 | AR1B-SS832 | AR1B-SS833 | AR1B-SS834 | AR1B-SS835 | AR1B-SS836 | AR1B-SS837 | AR1B-SS838 | AR1B-SS839 | AR1B-SS84 | AR1B-SS840 | AR1B-SS841 | AR1B-SS842 | AR1B-SS843 | AR1B-SS844 | AR1B-SS845 | AR1B-SS846 | AR1B-SS847 | AR1B-SS848 | AR1B-SS849 | AR1B-SS85 | AR1B-SS850 | AR1B-SS851 | AR1B-SS852 | AR1B-SS853 | AR1B-SS854 | AR1B-SS855 | AR1B-SS856 | AR1B-SS857 | AR1B-SS858 | AR1B-SS859 | AR1B-SS86 | AR1B-SS860 | AR1B-SS861 | AR1B-SS862 | AR1B-SS863 | AR1B-SS864 | AR1B-SS865 | AR1B-SS866 | AR1B-SS867 | AR1B-SS868 | AR1B-SS869 | AR1B-SS87 | AR1B-SS870 | AR1B-SS871 | AR1B-SS872 | AR1B-SS873 | AR1B-SS874 | AR1B-SS875 | AR1B-SS876 | AR1B-SS877 | AR1B-SS878 | AR1B-SS879 | AR1B-SS88 | AR1B-SS880 | AR1B-SS881 | AR1B-SS882 | AR1B-SS883 | AR1B-SS884 | AR1B-SS885 | AR1B-SS886 | AR1B-SS887 | AR1B-SS888 | AR1B-SS889 | AR1B-SS89 | AR1B-SS890 | AR1B-SS891 | AR1B-SS892 | AR1B-SS893 | AR1B-SS894 | AR1B-SS895 | AR1B-SS896 | AR1B-SS897 | AR1B-SS898 | AR1B-SS899 | AR1B-SS9 | AR1B-SS90 | AR1B-SS900 | AR1B-SS901 | AR1B-SS902 | AR1B-SS903 | AR1B-SS904 | AR1B-SS905 | AR1B-SS906 | AR1B-SS907 | AR1B-SS908 | AR1B-SS909 | AR1B-SS91 | AR1B-SS910 | AR1B-SS911 | AR1B-SS912 | AR1B-SS913 | AR1B-SS914 | AR1B-SS915 | AR1B-SS916 | AR1B-SS917 | AR1B-SS918 | AR1B-SS919 | AR1B-SS92 | AR1B-SS920 | AR1B-SS921 | AR1B-SS922 | AR1B-SS923 | AR1B-SS924 | AR1B-SS925 | AR1B-SS926 | AR1B-SS927 | AR1B-SS928 | AR1B-SS929 | AR1B-SS93 | AR1B-SS930 | AR1B-SS931 | AR1B-SS932 | AR1B-SS933 | AR1B-SS934 | AR1B-SS935 | AR1B-SS936 | AR1B-SS937 | AR1B-SS938 | AR1B-SS939 | AR1B-SS94 | AR1B-SS940 | AR1B-SS941 | AR1B-SS942 | AR1B-SS943 | AR1B-SS944 | AR1B-SS945 | AR1B-SS946 | AR1B-SS947 | AR1B-SS948 | AR1B-SS949 | AR1B-SS95 | AR1B-SS950 | AR1B-SS951 | AR1B-SS952 | AR1B-SS953 | AR1B-SS954 | AR1B-SS955 | AR1B-SS956 | AR1B-SS957 | AR1B-SS958 | AR1B-SS959 | AR1B-SS96 | AR1B-SS960 | AR1B-SS961 | AR1B-SS962 | AR1B-SS963 | AR1B-SS964 | AR1B-SS965 | AR1B-SS966 | AR1B-SS967 | AR1B-SS968 | AR1B-SS969 | AR1B-SS97 | AR1B-SS970 | AR1B-SS971 | AR1B-SS972 | AR1B-SS973 | AR1B-SS974 | AR1B-SS975 | AR1B-SS976 | AR1B-SS977 | AR1B-SS978 | AR1B-SS979 | AR1B-SS98 | AR1B-SS980 | AR1B-SS981 | AR1B-SS982 | AR1B-SS983 | AR1B-SS984 | AR1B-SS985 | AR1B-SS986 | AR1B-SS987 | AR1B-SS988 | AR1B-SS989 | AR1B-SS99 | AR1B-SS990 | AR1B-SS991 | AR1B-SS992 | AR1B-SS993 | AR1B-SS994 | AR1B-SS995 | AR1B-SS996 | AR1B-SS997 | AR1B-SS998 | AR1B-SS999 |
|---|---|---

PR Details

Total amount to be dredged (wet tonnes)	

Explanatory Notes:
The values entered for each determinand should be an average wet weight concentration from all the samples representing the material to be disposed to sea. They should be entered in the units stated in the Unit of measurement column in the table below.
Results above Action Level 1 will be highlighted in blue and above Action Level 2 in red.

Average for the total dredge area:

Sample ID	Unit of measurement	
Total Solids	%	70.7
Gravel	%	38.09
Sand	%	60.03
Silt	%	1.89
Arsenic (As)	mg/kg	2.8
Cadmium (Cd)		0.05
Chromium (Cr)		12.6
Copper (Cu)		7.3
Mercury (Hg)		0.02
Nickel (Ni)		8.2
Lead (Pb)		14.1
Zinc (Zn)		28.8
Dibutyltin (DBT)		<0.005
Tributyltin (TBT)		<0.005
Acenapth	µg/kg	1.93
Acenapthylene		1.26
Anthracn		1.95
BAA		4.82
BAP		5.81
BBF		3.81
BEP		3.89
Benzghip		3.16
BKF		4.96
C1N		1.83
C1PHEN		4.25
C2N		2.71
C3N		3.37
Chrysene		5.55
Debenzah		1.31
Flurant		8.76
Fluorene		1.59
Indypr		3.81
napth		1.3
perylene		31.1
phenant		3.37
pyrene		9.07
THC		5563
PCB28		<0.08
PCB52		<0.08
PCB101		<0.08
PCB118		<0.08
PCB138		<0.08
PCB153		<0.08
PCB18		<0.08
PCB105		<0.08
PCB110		<0.08
PCB128		<0.08
PCB141		<0.08
PCB149		<0.08
PCB151		<0.08
PCB156		<0.08
PCB158		<0.08
PCB170		<0.08
PCB180		<0.08
PCB183		<0.08
PCB187		<0.08
PCB194		<0.08
PCB31		<0.08
PCB44		<0.08
PCB47		<0.08
PCB49		<0.08
PCB66		<0.08
ICES7		<0.56
AHCH		<0.1
BHCH		<0.1
GHCH		<0.1
DIELDRIN		<0.1
HCB		<0.1
DDE		<0.1
DDT		<0.1
TDE		<0.1
BDE100		<0.05
BDE138		<0.05
BDE153		<0.05
BDE154		<0.05
BDE17		<0.05
BDE183		<0.05
BDE209		1.31
BDE28		<0.05
BDE47		<0.05
BDE66		<0.05
BDE85		<0.05
BDE99		<0.05

Comments:

Laboratory Details

Explanatory Notes:
Please complete a separate worksheet for each laboratory (e.g. complete 'Laboartory_1' worksheet for 1 laboratory and complete 'Laboartory_2' worksheet for a second laboratory). If there are more than 3 laboratories then please contact MD-LOT.

Laboratory 1 Details:

Laboratory name:	SOCOTEC
Year:	2026

LabRefMat	**Q1**	Does the laboratory carrying out the analyses undertake the analysis of blank samples and laboratory reference materials with each batch of samples of waste and other material dumped in the maritime area that is analysed by that laboratory?	Yes
CompAnal	**Q2**	Does the laboratory carrying out the analyses undertake periodic comparative analysis of laboratory reference materials and certified reference materials?	Yes
QAQC	**Q3**	Does the laboratory carrying out the analyses undertake the compilation of quality control charts based upon the data resulting from the analyses of the laboratory reference materials and certified reference materials, and the use of those quality control charts to monitor analytical performance in relation to all samples of dumped wastes or other materials?	Yes
InterlabCaleb	**Q4**	Does the laboratory carrying out the analyses undertake periodic participation in interlaboratory comparison exercises, including, where possible, international comparison exercises?	Yes
InternatCaleb	**Q5**	Does the laboratory carrying out the analyses undertake periodic participation in national and, where possible, international laboratory proficiency schemes?	Yes
SpikedSamples	**Q6**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory analyse samples of substances which are provided by the organisers of the scheme?	Yes
BlindSamples	**Q7**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory confirm that the composition of those samples is not disclosed in advance?	Yes
Ranking	**Q8**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory confirm that the results of the scheme for each participating laboratory are made available to all participating laboratories?	Yes
FracAnal	**Q9**	Enter the size fraction that is analysed i.e. Whole or less than 63µm etc.	<63um(metals)
GranMeth	**Q10**	PSA method	Distribution by wet & dry sieving and laser detraction
OCMeth	**Q11**	Organic Carbon method	Carbonate removal and sulfurous acid/combustion at 1600°C/NDIR,
MetExtrType	**Q12**	Method of extraction used for metal analysis	Aquaregia
MethOfDetMetals	**Q13**	Method of detection used for metal analysis	ICP-MS
PAHExtrType	**Q14**	Method of extraction used for poly aromatic hydrocarbon analysis	Methanol/DCM solvent extraction with silica clean up and copper clean up stages
MethOfDetPAH	**Q15**	Method of detection used for poly aromatic hydrocarbons analysis	GCMS
OHExtrType	**Q16**	Method of extraction used for organohalogens inc PCBs, pesticides, flame retardants etc analysis	Ultrasonic acetone/hexane solvent extraction
MethOfDetOH	**Q17**	Method of detection used for organohalogens inc PCBs, pesticides, flame retardants etc analysis	GCMSMS
OTExtrType	**Q18**	Method of extraction used for organotin analysis	Derivatisation and solvent extraction
MethOfDetOT	**Q19**	Method of detection used for organotin analysis	GCMS

		LOD/LOQ	Precision (%)	Recovery (%)
mg/kg	Hg	0.01	4.2	99
	As	0.5	2.7	103
	Cd	0.04	3.6	97
	Cu	0.5	2.9	97
	Pb	0.5	3	90
	Zn	2	2.6	99
	Cr	0.5	3.1	100
	Ni	0.5	3.6	97
	TBT	0.001	12.62	128
	DBT	0.001	12.62	81
µg/kg	PCB28	0.08	12.56	83
	PCB31	0.08	5.3	92
	PCB44	0.08	5.7	119
	PCB47	0.08	5.7	119
	PCB49	0.08	5.2	86
	PCB52	0.08	6.999	113
	PCB66	0.08	10.7	108
	PCB101	0.08	8.43	87
	PCB105	0.08	8.6	100
	PCB110	0.08	5.2	96
	PCB118	0.08	14.61	98
	PCB128	0.08	7.6	110
	PCB138+163	0.08	12.93	93
	PCB141	0.08	7.6	85
	PCB149	0.08	6.7	82
	PCB151	0.08	7.6	90
	PCB153	0.08	7.41	78
	PCB156	0.08	8.4	128
	PCB158	0.08	7.6	139
	PCB170	0.08	6	88
	PCB180	0.08	9.85	76
	PCB183	0.08	6.2	108
	PCB187	0.08	6.6	101
	PCB194	0.08	6.5	115
	DDE	0.1	8.2	96
	DDT	0.1	10.6	249
	DDD	0.1	11	109
	Dieldrin	0.1	10.8	120
	Lindane	0.1	8.5	110
	HCB	0.1	2.8	76
	BDE17	0.05	7.6	91
	BDE28	0.05	2.8	109
	BDE47	0.05	3.4	108
	BDE66	0.05	8.5	100
	BDE85	0.05	14.4	82
	BDE99	0.05	9.3	86
	BDE100	0.05	5.3	111
	BDE138	0.05	10.1	89
	BDE153	0.05	6.5	144
	BDE154	0.05	3.9	101
	BDE183	0.05	11	104
	BDE209	0.1	4.5	99
	ACENAPTH	1	6.68	33
	ACENAPHY	1	7.74	118
	ANTHRACN	1	4.95	99
	BAA	1	9.8	72
	BAP	1	9.07	81
	BBF	1	8.44	71
	BENZGHIP	1	13.46	65
	BEP	1	7.9	91
	BKF	1	8.9	84
	C1N	1	8.27	91
	C1PHEN	1	N/A	66
	C2N	1	N/A	93
	C3N	1	N/A	53
	CHRYSENE	1	7.87	91

DBENZAH	1	19.23	102
FLUORENE	1	5.25	67
FLUORANT	1	4.36	81
INDPYR	1	17.1	106
NAPTH	1	3.02	99
PERYLENE	1	N/A	88
PHENANT	1	5.41	74
PYRENE	1	4.29	83
THC	100	N/A	91

Laboratory Details

Explanatory Notes:
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Laboratory 2 Details:

Laboratory name:	
Year:	

LabRefMat	**Q1**	Does the laboratory carrying out the analyses undertake the analysis of blank samples and laboratory reference materials with each batch of samples of waste and other material dumped in the maritime area that is analysed by that laboratory?	
CompAnal	**Q2**	Does the laboratory carrying out the analyses undertake periodic comparative analysis of laboratory reference materials and certified reference materials?	
QAQC	**Q3**	Does the laboratory carrying out the analyses undertake the compilation of quality control charts based upon the data resulting from the analyses of the laboratory reference materials and certified reference materials, and the use of those quality control charts to monitor analytical performance in relation to all samples of dumped wastes or other materials?	
InterlabCaleb	**Q4**	Does the laboratory carrying out the analyses undertake periodic participation in interlaboratory comparison exercises, including, where possible, international comparison exercises?	
InternatCaleb	**Q5**	Does the laboratory carrying out the analyses undertake periodic participation in national and, where possible, international laboratory proficiency schemes?	
SpikedSamples	**Q6**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory analyse samples of substances which are provided by the organisers of the scheme?	
BlindSamples	**Q7**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory confirm that the composition of those samples is not disclosed in advance?	
Ranking	**Q8**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory confirm that the results of the scheme for each participating laboratory are made available to all participating laboratories?	
FracAnal	**Q9**	Enter the size fraction that is analysed i.e. Whole or less than 63µm etc.	
GranMeth	**Q10**	PSA method	
OCMeth	**Q11**	Organic Carbon method	
MetExtrType	**Q12**	Method of extraction used for metal analysis	
MethOfDetMetals	**Q13**	Method of detection used for metal analysis	
PAHExtrType	**Q14**	Method of extraction used for poly aromatic hydrocarbon analysis	
MethOfDetPAH	**Q15**	Method of detection used for poly aromatic hydrocarbons analysis	
OHExtrType	**Q16**	Method of extraction used for organohalogens inc PCBs, pesticides, flame retardants etc analysis	
MethOfDetOH	**Q17**	Method of detection used for organohalogens inc PCBs, pesticides, flame retardants etc analysis	
OTExtrType	**Q18**	Method of extraction used for organotin analysis	
MethOfDetOT	**Q19**	Method of detection used for organotin analysis	

		LOD/LOQ	Precision (%)	Recovery (%)
mg/kg	Hg			
	As			
	Cd			
	Cu			
	Pb			
	Zn			
	Cr			
	Ni			
	TBT			
	DBT			
µg/kg	PCB28			
	PCB31			
	PCB44			
	PCB47			
	PCB49			
	PCB52			
	PCB66			
	PCB101			
	PCB105			
	PCB110			
	PCB118			
	PCB128			
	PCB138+163			
	PCB141			
	PCB149			
	PCB151			
	PCB153			
	PCB156			
	PCB158			
	PCB170			
	PCB180			
	PCB183			
	PCB187			
	PCB194			
	DDE			
	DDT			
	DDD			
	Dieldrin			
	Lindane			
	HCB			
	BDE17			
	BDE28			
	BDE47			
	BDE66			
	BDE85			
	BDE99			
	BDE100			
	BDE138			
	BDE153			
	BDE154			
	BDE183			
	BDE209			
	ACENAPTH			
	ACENAPHY			
	ANTHRACN			
	BAA			
	BAP			
	BBF			
	BENZGHIP			
	BEP			
	BKF			
	C1N			
	C1PHEN			
	C2N			
	C3N			
	CHRYSENE			

DBENZAH			
FLUORENE			
FLUORANT			
INDPYR			
NAPTH			
PERYLENE			
PHENANT			
PYRENE			
THC			

Laboratory Details

Explanatory Notes:
Please complete a separate worksheet for each laboratory (e.g. complete 'Laboartory_1' worksheet for 1 laboratory and complete 'Laboartory_2' worksheet for a second laboratory). If there are more than 3 laboratories then please contact MD-LOT.

Laboratory 3 Details:

Laboratory name:	
Year:	

LabRefMat	**Q1**	Does the laboratory carrying out the analyses undertake the analysis of blank samples and laboratory reference materials with each batch of samples of waste and other material dumped in the maritime area that is analysed by that laboratory?	
CompAnal	**Q2**	Does the laboratory carrying out the analyses undertake periodic comparative analysis of laboratory reference materials and certified reference materials?	
QAQC	**Q3**	Does the laboratory carrying out the analyses undertake the compilation of quality control charts based upon the data resulting from the analyses of the laboratory reference materials and certified reference materials, and the use of those quality control charts to monitor analytical performance in relation to all samples of dumped wastes or other materials?	
InterlabCaleb	**Q4**	Does the laboratory carrying out the analyses undertake periodic participation in interlaboratory comparison exercises, including, where possible, international comparison exercises?	
InternatCaleb	**Q5**	Does the laboratory carrying out the analyses undertake periodic participation in national and, where possible, international laboratory proficiency schemes?	
SpikedSamples	**Q6**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory analyse samples of substances which are provided by the organisers of the scheme?	
BlindSamples	**Q7**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory confirm that the composition of those samples is not disclosed in advance?	
Ranking	**Q8**	If the answer to questions 4 or 5 is 'Yes' then does the laboratory confirm that the results of the scheme for each participating laboratory are made available to all participating laboratories?	
FracAnal	**Q9**	Enter the size fraction that is analysed i.e. Whole or less than 63µm etc.	
GranMeth	**Q10**	PSA method	
OCMeth	**Q11**	Organic Carbon method	
MetExtrType	**Q12**	Method of extraction used for metal analysis	
MethOfDetMetals	**Q13**	Method of detection used for metal analysis	
PAHExtrType	**Q14**	Method of extraction used for poly aromatic hydrocarbon analysis	
MethOfDetPAH	**Q15**	Method of detection used for poly aromatic hydrocarbons analysis	
OHExtrType	**Q16**	Method of extraction used for organohalogens inc PCBs, pesticides, flame retardants etc analysis	
MethOfDetOH	**Q17**	Method of detection used for organohalogens inc PCBs, pesticides, flame retardants etc analysis	
OTExtrType	**Q18**	Method of extraction used for organotin analysis	
MethOfDetOT	**Q19**	Method of detection used for organotin analysis	

		LOD/LOQ	Precision (%)	Recovery (%)
mg/kg	Hg			
	As			
	Cd			
	Cu			
	Pb			
	Zn			
	Cr			
	Ni			
	TBT			
	DBT			
µg/kg	PCB28			
	PCB31			
	PCB44			
	PCB47			
	PCB49			
	PCB52			
	PCB66			
	PCB101			
	PCB105			
	PCB110			
	PCB118			
	PCB128			
	PCB138+163			
	PCB141			
	PCB149			
	PCB151			
	PCB153			
	PCB156			
	PCB158			
	PCB170			
	PCB180			
	PCB183			
	PCB187			
	PCB194			
	DDE			
	DDT			
	DDD			
	Dieldrin			
	Lindane			
	HCB			
	BDE17			
	BDE28			
	BDE47			
	BDE66			
	BDE85			
	BDE99			
	BDE100			
	BDE138			
	BDE153			
	BDE154			
	BDE183			
	BDE209			
	ACENAPTH			
	ACENAPHY			
	ANTHRACN			
	BAA			
	BAP			
	BBF			
	BENZGHIP			
	BEP			
	BKF			
	C1N			
	C1PHEN			
	C2N			
	C3N			
	CHRYSENE			

DBENZAH			
FLUORENE			
FLUORANT			
INDPYR			
NAPTH			
PERYLENE			
PHENANT			
PYRENE			
THC			

Grab	Yes
Core	No