



NMBAQC

NE Atlantic Marine Biological Analytical Quality Control Scheme

Own Sample Module Summary Report

Benthic Invertebrate Component - 2024/25

OS86, 87 and 88

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MODULE / EXERCISE DETAILS

Module:	Own Sample (OS)
Exercises:	OS86, 87 and 88
Data/Sample Request Circulated:	16 December 2024
Sample Submission Deadline (Batch 2):	02 May 2025
Number of Subscribing Laboratories:	22
Number of Own Samples Received:	63

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Table 1. Summary of the performance of participating laboratories in the Own Sample (OS) exercises with respect to the NMBAQC standards.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Estimation of Taxa							Taxonomic errors			No. Individuals							Estimation of Biomass				Similarity Index			Sample Flag
	OD	AD	Target	Pass / Fail	Missed Taxa	% Missed	Remedial Action	OD	%	Remedial Action	OD	AD	Target	Pass / Fail	Missed Ind.	% Missed	Remedial Action	OD	AD	Target	Pass / Fail	BCSI %	Target	Pass / Fail	NMBAQC Sample Flag
BI_3101 OS86	25	26	23.4 - 28.6	PASS	1	3.85	-	0	0.00	-	323	346	311.4 - 380.6	PASS	20	5.78	-	-	-	-	-	96.572	90	PASS	PASS - GOOD
BI_3101 OS87	22	26	23.4 - 28.6	FAIL	1	3.85	-	2	7.69	Review	34	36	32.4 - 39.6	PASS	1	2.78	-	-	-	-	-	86.842	90	FAIL	FAIL - POOR
BI_3101 OS88	49	52	46.8 - 57.2	PASS	0	0.00	-	9	17.31	-	385	390	351 - 429	PASS	0	0.00	-	-	-	-	-	94.737	90	PASS	PASS - ACCEPTABLE
BI_3102 OS86	132	134	120.6 - 147.4	PASS	2	1.49	-	2	1.49	-	1833	1947	1752.3 - 2141.7	PASS	112	5.75	-	36.8912	33.9667	27.17336 - 40.76004	PASS	96.661	90	PASS	PASS - GOOD
BI_3102 OS87	123	130	117 - 143	PASS	6	4.62	-	3	2.31	-	1176	1188	1069.2 - 1306.8	PASS	32	2.69	-	3.522	3.1616	2.52928 - 3.79392	PASS	97.636	90	PASS	PASS - GOOD
BI_3102 OS88	9	10	9 - 11	PASS	0	0.00	-	0	0.00	-	376	608	547.2 - 668.8	FAIL	10	1.64	-	1.5187	1.2187	0.97496 - 1.46244	FAIL	76.518	90	FAIL	FAIL - BAD
BI_3103 OS86	20	22	19.8 - 24.2	PASS	3	13.64	-	7	31.82	-	300	289	260.1 - 317.9	PASS	10	3.46	-	315.112	286.128	228.90272 - 343.35408	PASS	90.169	90	PASS	PASS - ACCEPTABLE
BI_3103 OS87	8	9	8.1 - 9.9	FAIL	1	11.11	Review	1	11.11	Review	13	15	13.5 - 16.5	FAIL	3	20.00	Reprocess	2.22414	2.14198	1.713584 - 2.570376	PASS	85.714	90	FAIL	FAIL - POOR
BI_3103 OS88	31	32	28.8 - 35.2	PASS	2	6.25	-	2	6.25	-	589	638	574.2 - 701.8	PASS	48	7.52	-	105.215	96.5831	77.26648 - 115.89972	PASS	94.951	90	PASS	PASS - ACCEPTABLE
BI_3104 OS86	14	14	12.6 - 15.4	PASS	0	0.00	-	0	0.00	-	32	32	28.8 - 35.2	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3104 OS87	20	20	18 - 22	PASS	0	0.00	-	1	5.00	-	172	172	154.8 - 189.2	PASS	1	0.58	-	-	-	-	-	98.851	90	PASS	PASS - GOOD
BI_3104 OS88	23	23	20.7 - 25.3	PASS	0	0.00	-	2	8.70	Review	87	98	88.2 - 107.8	FAIL	10	10.20	Reprocess	-	-	-	-	88.649	90	FAIL	FAIL - POOR
BI_3112 OS86	25	26	23.4 - 28.6	PASS	0	0.00	-	0	0.00	-	39	39	35.1 - 42.9	PASS	0	0.00	-	-	-	-	-	98.795	90	PASS	PASS - GOOD
BI_3112 OS87	15	17	15.3 - 18.7	FAIL	1	5.88	-	0	0.00	-	21	21	18.9 - 23.1	PASS	0	0.00	-	-	-	-	-	95.455	90	PASS	PASS - GOOD
BI_3112 OS88	32	34	30.6 - 37.4	PASS	0	0.00	-	1	2.94	-	113	112	100.8 - 123.2	PASS	0	0.00	-	-	-	-	-	97.797	90	PASS	PASS - GOOD
BI_3116 OS86	17	17	15.3 - 18.7	PASS	0	0.00	-	0	0.00	-	42	42	37.8 - 46.2	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3116 OS87	25	28	25.2 - 30.8	FAIL	2	7.14	-	1	3.57	-	211	219	197.1 - 240.9	PASS	9	4.11	-	-	-	-	-	97.674	90	PASS	PASS - GOOD
BI_3116 OS88	33	34	30.6 - 37.4	PASS	1	2.94	-	2	5.88	-	1141	1161	1044.9 - 1277.1	PASS	21	1.81	-	-	-	-	-	98.829	90	PASS	PASS - GOOD
BI_3121 OS86	21	22	19.8 - 24.2	PASS	1	4.55	-	2	9.09	-	409	410	369 - 451	PASS	4	0.98	-	-	-	-	-	99.149	90	PASS	PASS - GOOD
BI_3121 OS87	37	37	33.3 - 40.7	PASS	0	0.00	-	4	10.81	-	154	154	138.6 - 169.4	PASS	2	1.30	-	-	-	-	-	95.455	90	PASS	PASS - GOOD
BI_3121 OS88	9	9	8.1 - 9.9	PASS	0	0.00	-	0	0.00	-	2287	2361	2124.9 - 2597.1	PASS	1	0.04	-	-	-	-	-	98.409	90	PASS	PASS - GOOD
BI_3122 OS86	8	8	7.2 - 8.8	PASS	0	0.00	-	0	0.00	-	164	164	147.6 - 180.4	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3122 OS87	6	6	5.4 - 6.6	PASS	0	0.00	-	0	0.00	-	34	34	30.6 - 37.4	PASS	0	0.00	-	0.3905	0.3731	0.29848 - 0.44772	PASS	100	90	PASS	PASS - EXCELLENT
BI_3122 OS88	10	10	9 - 11	PASS	0	0.00	-	0	0.00	-	70	74	66.6 - 81.4	PASS	0	0.00	-	0.0704	0.0604	0.04832 - 0.07248	PASS	97.297	90	PASS	PASS - GOOD
BI_3123 OS86	39	44	39.6 - 48.4	FAIL	3	6.82	Review	4	9.09	Review	80	88	79.2 - 96.8	PASS	9	10.23	Reprocess	-	-	-	-	80.447	90	FAIL	FAIL - BAD
BI_3123 OS87	47	52	46.8 - 57.2	PASS	3	5.77	-	2	3.85	-	163	174	156.6 - 191.4	PASS	8	4.60	-	-	-	-	-	92.857	90	PASS	PASS - ACCEPTABLE
BI_3123 OS88	25	24	21.6 - 26.4	PASS	0	0.00	-	1	4.17	-	46	46	41.4 - 50.6	PASS	0	0.00	-	-	-	-	-	95.918	90	PASS	PASS - GOOD
BI_3127 OS86	26	25	22.5 - 27.5	PASS	0	0.00	-	3	12.00	Reprocess	588	598	538.2 - 657.8	PASS	10	1.67	-	24.8744	22.7323	18.18584 - 27.27876	PASS	66.105	90	FAIL	FAIL - BAD
BI_3127 OS87	20	20	18 - 22	PASS	0	0.00	-	4	20.00	-	254	256	230.4 - 281.6	PASS	5	1.95	-	6.6532	5.8018	4.64144 - 6.96216	PASS	94.118	90	PASS	PASS - ACCEPTABLE
BI_3127 OS88	20	20	18 - 22	PASS	0	0.00	-	6	30.00	Reprocess	290	295	265.5 - 324.5	PASS	8	2.71	-	7.6211	4.7864	3.82912 - 5.74368	FAIL	19.829	90	FAIL	FAIL - BAD
BI_3128 OS86	21	23	20.7 - 25.3	PASS	2	8.70	-	2	8.70	-	138	138	124.2 - 151.8	PASS	0	0.00	-	-	-	-	-	97.143	90	PASS	PASS - GOOD
BI_3128 OS87	31	32	28.8 - 35.2	PASS	1	3.13	-	0	0.00	-	240	240	216 - 264	PASS	1	0.42	-	-	-	-	-	99.587	90	PASS	PASS - GOOD
BI_3128 OS88	29	30	27 - 33	PASS	1	3.33	-	0	0.00	-	133	133	119.7 - 146.3	PASS	0	0.00	-	-	-	-	-	99.631	90	PASS	PASS - GOOD
BI_3129 OS86	85	89	80.1 - 97.9	PASS	3	3.37	-	3	3.37	-	285	295	265.5 - 324.5	PASS	11	3.73	-	-	-	-	-	97.512	90	PASS	PASS - GOOD
BI_3129 OS87	109	119	107.1 - 130.9	PASS	8	6.72	-	2	1.68	-	626	672	604.8 - 739.2	PASS	44	6.55	-	-	-	-	-	96.102	90	PASS	PASS - GOOD
BI_3129 OS88	75	81	72.9 - 89.1	PASS	3	3.70	-	2	2.47	-	240	259	233.1 - 284.9	PASS	19	7.34	-	-	-	-	-	95.131	90	PASS	PASS - GOOD
BI_3130 OS86	65	67	60.3 - 73.7	PASS	2	2.99	-	0	0.00	-	360	363	326.7 - 399.3	PASS	3	0.83	-	-	-	-	-	99.59	90	PASS	PASS - GOOD
BI_3130 OS87	64	67	60.3 - 73.7	PASS	1	1.49	-	2	2.99	-	134	135	121.5 - 148.5	PASS	2	1.48	-	-	-	-	-	96.842	90	PASS	PASS - GOOD
BI_3130 OS88	37	40	36 - 44	PASS	1	2.50	-	1	2.50	-	110	111	99.9 - 122.1	PASS	1	0.90	-	-	-	-	-	97.817	90	PASS	PASS - GOOD
BI_3131 OS86	14	17	15.3 - 18.7	FAIL	3	17.65	-	0	0.00	-	37	43	38.7 - 47.3	FAIL	6	13.95	-	-	-	-	-	93.023	90	PASS	PASS - ACCEPTABLE
BI_3131 OS87	30	31	27.9 - 34.1	PASS	0	0.00	-	0	0.00	-	480	490	441 - 539	PASS	8	1.63	-	-	-	-	-	98.984	90	PASS	PASS - GOOD
BI_3131 OS88	13	13	11.7 - 14.3	PASS	0	0.00	-	0	0.00	-	98	95	85.5 - 104.5	PASS	1	1.05	-	-	-	-	-	98.477	90	PASS	PASS - GOOD
BI_3132 OS86	25	26	23.4 - 28.6	PASS	1	3.85	-	0	0.00	-	163	164	147.6 - 180.4	PASS	1	0.61	-	-	-	-	-	99.696	90	PASS	PASS - GOOD
BI_3132 OS87	17	17	15.3 - 18.7	PASS	0	0.00	-	0	0.00	-	133	135	121.5 - 148.5	PASS	2	1.48	-	-	-	-	-	99.259	90	PASS	PASS - GOOD
BI_3132 OS88	44	44	39.6 - 48.4	PASS	0	0.00	-	1	2.27	-	143	143	128.7 - 157.3	PASS	1	0.70	-	-	-	-	-	95.862	90	PASS	PASS - GOOD
BI_3134 OS86	21	21	18.9 - 23.1	PASS	0	0.00	-	1	4.76	-	944	942	847.8 - 1036.2	PASS	1	0.11	-	-	-	-	-	99.577	90	PASS	PASS - GOOD
BI_3134 OS87	10	10	9 - 11	PASS	0	0.00	-	0	0.00	-	28	28	25.2 - 30.8	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3134 OS88	17	18	16.2 - 19.8	PASS	1	5.56	-	1	5.56	-	1064	1076	968.4 - 1183.6	PASS	14	1.30	-	-	-	-	-	99.068	90	PASS	PASS - GOOD

Table 1. Summary of the performance of participating laboratories in the Own Sample (OS) exercises with respect to the NMBAQC standards.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Estimation of Taxa							Taxonomic errors			No. Individuals							Estimation of Biomass				Similarity Index			Sample Flag
	OD	AD	Target	Pass / Fail	Missed Taxa	% Missed	Remedial Action	OD	%	Remedial Action	OD	AD	Target	Pass / Fail	Missed Ind.	% Missed	Remedial Action	OD	AD	Target	Pass / Fail	BCSI %	Target	Pass / Fail	NMBAQC Sample Flag
BI_3135 OS86	4	4	3.6 - 4.4	PASS	0	0.00	-	1	25.00	Review	4	4	3.6 - 4.4	PASS	0	0.00	-	-	-	-	-	75	90	FAIL	FAIL - BAD
BI_3135 OS87	5	5	4.5 - 5.5	PASS	0	0.00	-	0	0.00	-	11	11	9.9 - 12.1	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3135 OS88	31	32	28.8 - 35.2	PASS	1	3.13	-	2	6.25	-	1683	1689	1520.1 - 1857.9	PASS	10	0.59	-	-	-	-	-	99.615	90	PASS	PASS - GOOD
BI_3136 OS86	7	7	6.3 - 7.7	PASS	0	0.00	-	0	0.00	-	16	16	14.4 - 17.6	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3136 OS87	10	10	9 - 11	PASS	0	0.00	-	0	0.00	-	22	23	20.7 - 25.3	PASS	0	0.00	-	-	-	-	-	97.778	90	PASS	PASS - GOOD
BI_3136 OS88	66	81	72.9 - 89.1	FAIL	12	14.81	-	2	2.47	-	245	264	237.6 - 290.4	PASS	20	7.58	-	-	-	-	-	94.424	90	PASS	PASS - ACCEPTABLE
BI_3137 OS86	8	8	7.2 - 8.8	PASS	0	0.00	-	0	0.00	-	135	135	121.5 - 148.5	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3137 OS87	5	5	4.5 - 5.5	PASS	0	0.00	-	0	0.00	-	284	284	255.6 - 312.4	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3137 OS88	5	5	4.5 - 5.5	PASS	0	0.00	-	0	0.00	-	21	21	18.9 - 23.1	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3138 OS86	18	19	17.1 - 20.9	PASS	0	0.00	-	1	5.26	-	346	344	309.6 - 378.4	PASS	0	0.00	-	-	-	-	-	99.13	90	PASS	PASS - GOOD
BI_3138 OS87	7	7	6.3 - 7.7	PASS	0	0.00	-	0	0.00	-	62	62	55.8 - 68.2	PASS	0	0.00	-	-	-	-	-	100	90	PASS	PASS - EXCELLENT
BI_3138 OS88	17	18	16.2 - 19.8	PASS	1	5.56	-	0	0.00	-	637	660	594 - 726	PASS	22	3.33	-	-	-	-	-	98.227	90	PASS	PASS - GOOD
BI_3139 OS86	22	23	20.7 - 25.3	PASS	0	0.00	-	1	4.35	-	883	883	794.7 - 971.3	PASS	1	0.11	-	1.6244	1.6087	1.28696 - 1.93044	PASS	98.749	90	PASS	PASS - GOOD
BI_3139 OS87	51	53	47.7 - 58.3	PASS	0	0.00	-	1	1.89	-	727	734	660.6 - 807.4	PASS	18	2.45	-	10.876	9.4018	7.52144 - 11.28216	PASS	98.569	90	PASS	PASS - GOOD
BI_3139 OS88	138	142	127.8 - 156.2	PASS	2	1.41	-	7	4.93	-	747	761	684.9 - 837.1	PASS	11	1.45	-	4.0087	4.0594	3.24752 - 4.87128	PASS	95.959	90	PASS	PASS - GOOD

Key:

OD = Original Data (participant), AD = Auditor Data, Target for Estimation of Taxa and No. Individuals is +/- 10% AD, Target for Estimation of Biomass is +/- 20% AD, BCSI = Bray Curtis Similarity Index.

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS86-88).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall
BI_3101	OS86	AD count	3	312	13	-	-	4	7	7	346
		Missed	0	16	2	-	-	2	0	0	20
		%missed	0.0	5.1	15.4	-	-	50.0	0.0	0.0	5.8
	OS87	AD count	-	16	-	-	1	15	3	1	36
		Missed	-	0	-	-	0	1	0	0	1
		%missed	-	0.0	-	-	0.0	6.7	0.0	0.0	2.8
	OS88	AD count	19	214	21	-	59	63	-	14	390
		Missed	0	0	0	-	0	0	-	0	0
		%missed	0.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0
BI_3102	OS86	AD count	64	1024	4	-	213	517	42	83	1947
		Missed	2	47	2	-	5	50	2	4	112
		%missed	3.1	4.6	50.0	-	2.3	9.7	4.8	4.8	5.8
	OS87	AD count	4	174	4	-	548	324	19	115	1188
		Missed	0	5	0	-	8	7	0	12	32
		%missed	0.0	2.9	0.0	-	1.5	2.2	0.0	10.4	2.7
	OS88	AD count	-	21	549	-	13	23	-	2	608
		Missed	-	0	3	-	0	7	-	0	10
		%missed	-	0.0	0.5	-	0.0	30.4	-	0.0	1.6
BI_3103	OS86	AD count	-	53	6	-	2	227	1	-	289
		Missed	-	1	0	-	0	9	0	-	10
		%missed	-	1.9	0.0	-	0.0	4.0	0.0	-	3.5
	OS87	AD count	-	3	2	-	2	7	1	-	15
		Missed	-	1	1	-	0	1	0	-	3
		%missed	-	33.3	50.0	-	0.0	14.3	0.0	-	20.0
	OS88	AD count	1	43	-	-	10	495	89	-	638
		Missed	0	0	-	-	1	45	2	-	48
		%missed	0.0	0.0	-	-	10.0	9.1	2.2	-	7.5
BI_3104	OS86	AD count	1	16	1	-	6	2	-	6	32
		Missed	0	0	0	-	0	0	-	0	0
		%missed	0.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0
	OS87	AD count	-	112	-	-	42	18	-	-	172
		Missed	-	0	-	-	0	1	-	-	1
		%missed	-	0.0	-	-	0.0	5.6	-	-	0.6
	OS88	AD count	4	18	-	-	15	9	3	49	98
		Missed	1	0	-	-	1	1	0	7	10
		%missed	25.0	0.0	-	-	6.7	11.1	0.0	14.3	10.2
BI_3112	OS86	AD count	1	18	-	-	1	12	5	2	39
		Missed	0	0	-	-	0	0	0	0	0
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
	OS87	AD count	-	12	-	-	1	4	1	3	21
		Missed	-	0	-	-	0	0	0	0	0
		%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
	OS88	AD count	-	79	-	-	2	14	6	11	112
		Missed	-	0	-	-	0	0	0	0	0
		%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
BI_3116	OS86	AD count	2	15	-	-	11	12	2	-	42
		Missed	0	0	-	-	0	0	0	-	0
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0
	OS87	AD count	-	38	-	-	20	151	10	-	219
		Missed	-	1	-	-	1	7	0	-	9
		%missed	-	2.6	-	-	5.0	4.6	0.0	-	4.1
	OS88	AD count	-	198	-	-	10	935	14	4	1161
		Missed	-	0	-	-	0	19	0	2	21
		%missed	-	0.0	-	-	0.0	2.0	0.0	50.0	1.8
BI_3121	OS86	AD count	2	257	104	-	7	11	-	29	410
		Missed	0	1	1	-	0	1	-	1	4
		%missed	0.0	0.4	1.0	-	0.0	9.1	-	3.4	1.0
	OS87	AD count	-	19	-	-	2	66	64	3	154
		Missed	-	0	-	-	0	1	1	0	2
		%missed	-	0.0	-	-	0.0	1.5	1.6	0.0	1.3
	OS88	AD count	-	1537	85	-	-	-	-	739	2361
		Missed	-	1	0	-	-	-	-	0	1
		%missed	-	0.1	0.0	-	-	-	-	0.0	0.0

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS86-88).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall
BI_3122	OS86	AD count	-	49	41	-	74	-	-	-	164
		Missed	-	0	0	-	0	-	-	-	0
		%missed	-	0.0	0.0	-	0.0	-	-	-	0.0
	OS87	AD count	-	13	8	-	-	13	-	-	34
		Missed	-	0	0	-	-	0	-	-	0
		%missed	-	0.0	0.0	-	-	0.0	-	-	0.0
	OS88	AD count	-	4	5	-	-	59	-	6	74
		Missed	-	0	0	-	-	0	-	0	0
		%missed	-	0.0	0.0	-	-	0.0	-	0.0	0.0
BI_3123	OS86	AD count	2	55	-	-	5	10	8	8	88
		Missed	0	3	-	-	0	1	1	4	9
		%missed	0.0	5.5	-	-	0.0	10.0	12.5	50.0	10.2
	OS87	AD count	4	57	2	-	90	13	3	5	174
		Missed	0	2	1	-	3	2	0	0	8
		%missed	0.0	3.5	50.0	-	3.3	15.4	0.0	0.0	4.6
	OS88	AD count	-	30	-	-	6	10	-	-	46
		Missed	-	0	-	-	0	0	-	-	0
		%missed	-	0.0	-	-	0.0	0.0	-	-	0.0
BI_3127	OS86	AD count	2	21	-	-	304	265	-	6	598
		Missed	0	0	-	-	2	8	-	0	10
		%missed	0.0	0.0	-	-	0.7	3.0	-	0.0	1.7
	OS87	AD count	-	82	-	-	144	30	-	-	256
		Missed	-	1	-	-	3	1	-	-	5
		%missed	-	1.2	-	-	2.1	3.3	-	-	2.0
	OS88	AD count	-	27	5	-	231	32	-	-	295
		Missed	-	2	3	-	1	2	-	-	8
		%missed	-	7.4	60.0	-	0.4	6.3	-	-	2.7
BI_3128	OS86	AD count	1	19	-	-	13	83	21	1	138
		Missed	0	0	-	-	0	0	0	0	0
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
	OS87	AD count	10	30	-	-	14	142	43	1	240
		Missed	0	0	-	-	0	0	0	1	1
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	100.0	0.4
	OS88	AD count	1	14	-	-	10	77	30	1	133
		Missed	0	0	-	-	0	0	0	0	0
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
BI_3129	OS86	AD count	-	88	1	6	85	91	20	4	295
		Missed	-	1	1	0	1	8	0	0	11
		%missed	-	1.1	100.0	0.0	1.2	8.8	0.0	0.0	3.7
	OS87	AD count	3	259	1	23	220	119	42	5	672
		Missed	0	19	0	0	6	13	5	1	44
		%missed	0.0	7.3	0.0	0.0	2.7	10.9	11.9	20.0	6.5
	OS88	AD count	1	90	1	10	107	32	17	1	259
		Missed	0	14	0	0	0	4	1	0	19
		%missed	0.0	15.6	0.0	0.0	0.0	12.5	5.9	0.0	7.3
BI_3130	OS86	AD count	5	169	1	-	8	157	17	6	363
		Missed	0	0	0	-	0	1	1	1	3
		%missed	0.0	0.0	0.0	-	0.0	0.6	5.9	16.7	0.8
	OS87	AD count	2	56	-	2	16	47	8	4	135
		Missed	0	0	-	0	0	1	0	1	2
		%missed	0.0	0.0	-	0.0	0.0	2.1	0.0	25.0	1.5
	OS88	AD count	2	60	-	-	6	42	1	-	111
		Missed	0	1	-	-	0	0	0	-	1
		%missed	0.0	1.7	-	-	0.0	0.0	0.0	-	0.9
BI_3131	OS86	AD count	-	31	-	-	5	6	-	1	43
		Missed	-	3	-	-	2	1	-	0	6
		%missed	-	9.7	-	-	40.0	16.7	-	0.0	14.0
	OS87	AD count	1	14	2	1	370	92	-	10	490
		Missed	0	0	0	0	8	0	-	0	8
		%missed	0.0	0.0	0.0	0.0	2.2	0.0	-	0.0	1.6
	OS88	AD count	-	69	-	-	8	18	-	-	95
		Missed	-	1	-	-	0	0	-	-	1
		%missed	-	1.4	-	-	0.0	0.0	-	-	1.1

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS86-88).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall
BI_3132	OS86	AD count	3	24	-	-	-	90	47	-	164
		Missed	0	1	-	-	-	0	0	-	1
		%missed	0.0	4.2	-	-	-	0.0	0.0	-	0.6
	OS87	AD count	2	113	-	-	1	19	-	-	135
		Missed	0	0	-	-	0	2	-	-	2
		%missed	0.0	0.0	-	-	0.0	10.5	-	-	1.5
	OS88	AD count	4	27	-	-	14	84	10	4	143
		Missed	0	0	-	-	0	1	0	0	1
		%missed	0.0	0.0	-	-	0.0	1.2	0.0	0.0	0.7
BI_3134	OS86	AD count	-	96	12	-	2	828	-	4	942
		Missed	-	0	0	-	0	1	-	0	1
		%missed	-	0.0	0.0	-	0.0	0.1	-	0.0	0.1
	OS87	AD count	-	25	-	-	1	2	-	-	28
		Missed	-	0	-	-	0	0	-	-	0
		%missed	-	0.0	-	-	0.0	0.0	-	-	0.0
	OS88	AD count	-	255	337	-	427	6	-	51	1076
		Missed	-	9	0	-	0	3	-	2	14
		%missed	-	3.5	0.0	-	0.0	50.0	-	3.9	1.3
BI_3135	OS86	AD count	-	-	-	-	4	-	-	-	4
		Missed	-	-	-	-	0	-	-	-	0
		%missed	-	-	-	-	0.0	-	-	-	0.0
	OS87	AD count	-	-	-	-	9	2	-	-	11
		Missed	-	-	-	-	0	0	-	-	0
		%missed	-	-	-	-	0.0	0.0	-	-	0.0
	OS88	AD count	-	765	816	-	7	64	-	37	1689
		Missed	-	9	1	-	0	0	-	0	10
		%missed	-	1.2	0.1	-	0.0	0.0	-	0.0	0.6
BI_3136	OS86	AD count	-	4	-	-	9	3	-	-	16
		Missed	-	0	-	-	0	0	-	-	0
		%missed	-	0.0	-	-	0.0	0.0	-	-	0.0
	OS87	AD count	-	7	-	-	10	6	-	-	23
		Missed	-	0	-	-	0	0	-	-	0
		%missed	-	0.0	-	-	0.0	0.0	-	-	0.0
	OS88	AD count	1	134	-	2	11	14	7	95	264
		Missed	0	3	-	2	0	4	0	11	20
		%missed	0.0	2.2	-	100.0	0.0	28.6	0.0	11.6	7.6
BI_3137	OS86	AD count	-	3	72	-	8	-	-	52	135
		Missed	-	0	0	-	0	-	-	0	0
		%missed	-	0.0	0.0	-	0.0	-	-	0.0	0.0
	OS87	AD count	-	34	43	-	207	-	-	-	284
		Missed	-	0	0	-	0	-	-	-	0
		%missed	-	0.0	0.0	-	0.0	-	-	-	0.0
	OS88	AD count	-	1	-	-	1	19	-	-	21
		Missed	-	0	-	-	0	0	-	-	0
		%missed	-	0.0	-	-	0.0	0.0	-	-	0.0
BI_3138	OS86	AD count	17	16	-	-	11	226	-	74	344
		Missed	0	0	-	-	0	0	-	0	0
		%missed	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0
	OS87	AD count	-	51	-	-	1	10	-	-	62
		Missed	-	0	-	-	0	0	-	-	0
		%missed	-	0.0	-	-	0.0	0.0	-	-	0.0
	OS88	AD count	-	293	49	-	35	283	-	-	660
		Missed	-	2	0	-	1	19	-	-	22
		%missed	-	0.7	0.0	-	2.9	6.7	-	-	3.3
BI_3139	OS86	AD count	-	498	341	-	4	39	-	1	883
		Missed	-	1	0	-	0	0	-	0	1
		%missed	-	0.2	0.0	-	0.0	0.0	-	0.0	0.1
	OS87	AD count	40	220	54	-	18	221	142	39	734
		Missed	0	4	5	-	0	8	0	1	18
		%missed	0.0	1.8	9.3	-	0.0	3.6	0.0	2.6	2.5
	OS88	AD count	3	522	1	-	93	95	9	38	761
		Missed	0	5	0	-	4	2	0	0	11
		%missed	0.0	1.0	0.0	-	4.3	2.1	0.0	0.0	1.4

Key: AD = Audit Data

Missed = numbers of individuals missed in residue sorting

% Missed = Percentage missed in residue sorting

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS86 - 88) (erroneous identifications in brackets).

LabCode / Smp.	Taxonomic Errors	Major Taxonomic Group					
		Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BL_3101	OS86	0	-	-	-	-	-
	OS87	2	-	-	<i>Falciidens crossotus</i> (<i>Chaetoderma nitidulum</i>)	-	<i>Thysanocardia procera</i> (<i>Golfingia</i>)
	OS88	9	-	-	<i>Euspira nitida</i> (<i>Polinices</i>)	-	-
		<i>Harmothoe glabra</i> (<i>Malmgrenia</i>)	-	-	<i>Philinissima denticulata</i> (<i>Philine</i>)	-	-
		<i>Exogone verugera</i> (<i>Parexogone hebes</i>)	-	-	<i>Abra prismatica</i> (<i>Abra alba</i>)	-	-
		<i>Spio decorata</i> (<i>Spio symphyta</i>)	-	-	-	-	-
		<i>Dipolydora caulleryi</i> agg (<i>Pseudopolydora paucibranchiata</i>)	-	-	-	-	-
BL_3102	OS86	2	-	-	-	-	-
		<i>Tharyx killariensis</i> (<i>Chaetozone setosa</i>)	-	-	-	-	-
		<i>Capitella</i> (<i>Mediomastus fragilis</i>)	-	-	-	-	-
	OS87	3	-	-	<i>Onoba semicostata</i> (<i>Onoba aculeus</i>)	-	-
		<i>Caulerella alata</i> (<i>Chaetozone gibber</i>)	-	-	<i>Philinoidea</i> juv (<i>Onoba aculeus</i>)	-	-
BL_3103	OS86	7	-	-	-	-	-
		<i>Pseudopolydora nordica</i> / <i>Pisto cristata</i> (sensu Jirkov) (<i>Melinna palmata</i>)	-	-	-	-	-
		<i>Alitta succinea</i> (<i>Eunereis longissima</i>)	-	-	<i>Abra alba</i> (<i>Fabulina fabula</i>)	-	-
		<i>Nephtys caeca</i> (<i>Nephtys cirrosa</i>)	-	-	-	-	-
		<i>Polydora cornuta</i> (<i>Pseudopolydora</i>)	-	-	-	-	-
		<i>Polydora cornuta</i> / <i>Pygospio elegans</i> (<i>Spio</i>)	-	-	-	-	-
	OS87	1	-	-	-	-	-
		<i>Tharyx robustus</i> (<i>Spio</i>)	-	-	-	-	-
		<i>Pholoe inornata</i> (<i>Sthenelais boa</i>)	-	-	<i>Abra alba</i> (<i>Macoma balthica</i>)	-	-
		<i>Glycera tridactyla</i> (<i>Glycera lapidum</i>)	-	-	<i>Fabulina fabula</i> (<i>Asbjornsenia pygmaea</i>)	-	-
BL_3104	OS86	0	-	-	-	-	-
	OS87	1	-	<i>Bathyporeia guillamsoniana</i> (<i>Bathyporeia elegans</i>)	-	-	-
	OS88	2	-	<i>Eudorella truncatula</i> (<i>Eudorella emarginata</i>)	-	-	-
		<i>Diastylis laevis</i> (<i>Diastylis bradyi</i>)	-	-	-	-	-
BL_3112	OS86	0	-	-	-	-	-
	OS87	0	-	-	-	-	-
	OS88	1	<i>Chaetozone setosa</i> agg./ <i>Tharyx killariensis</i> (<i>Chaetozone christiei</i>)	-	-	-	-
BL_3116	OS86	0	-	-	-	-	-
	OS87	1	<i>Nephtys caeca</i> (<i>Nephtys hombergii</i>)	-	-	-	-
	OS88	2	<i>Sthenelais boa</i> (<i>Sigalion mathildae</i>)	-	<i>Philinissima denticulata</i> (<i>Diaphana minuta</i>)	-	-
BL_3121	OS86	2	<i>Mediomastus fragilis</i> (<i>Tubificoides benedii</i>)	-	<i>Lacuna vineta</i> (<i>Rissoa parva</i>)	-	-
	OS87	4	<i>Chaetozone elakata</i> (<i>Chaetozone setosa</i>)	<i>Harpinia pectinata</i> (<i>Harpinia antennaria</i>)	<i>Politiopsis</i> juv (<i>Venerupis</i> juv)	-	-
		<i>Galathowenia</i> (<i>Myriochele</i>)	-	-	-	-	-
	OS88	0	-	-	-	-	-
BL_3122	OS86	0	-	-	-	-	-
	OS87	0	-	-	-	-	-
	OS88	0	-	-	-	-	-
BL_3123	OS86	4	<i>Malmgrenia darbouxi</i> (<i>Malmgrenia lungmani</i>)	-	-	-	-
		<i>Laonice</i> juv (<i>Prionospio multibranchiata</i>)	-	-	-	-	-
		<i>Euclymeninae</i> Species A (<i>Euclymene aeredii</i> Aggregate)	-	-	-	-	-
		<i>Ampharete octocirrata</i> / <i>Ampharete falcata</i> / <i>Eclypsippe vanelli</i> (<i>Ampharete lindstroemi</i> Aggregate)	-	-	-	-	-
		<i>Ampharete lindstroemi</i> Aggregate	-	-	-	-	-
	OS87	2	-	-	<i>Modiolula phaseolina</i> (<i>Mytilidae</i> Juvenile)	-	<i>Buffonellaria murella</i> (<i>Schizoporella</i>)
BL_3127	OS88	1	-	-	<i>Abra nitida</i> (<i>Abra alba</i>)	-	-
	OS86*	3	-	<i>Ampelisca spinimana</i> (<i>males</i>) (<i>Ampelisca anomala</i>)	<i>Macoma</i> (<i>Lasaeidae</i>)	-	-
		-	-	<i>Rathbunina occidentalis</i> (<i>Spiroplax spiralis</i>)	-	-	-
	OS87*	4	<i>Helmutneris</i> ? (<i>Lumbrineris</i>)	<i>Diogenes</i> (<i>Parapagurus</i>)	-	-	-
		<i>Marphysa sherlockae</i> (<i>Marphysa depressa</i>)	-	-	-	-	-
	OS88*	6	<i>Simplisetia</i> (<i>Platynereis dumerilii</i>)	-	-	-	-
BL_3128	OS86	2	<i>Aricidea</i> cf. <i>lopezi</i> (<i>Aricidea longobranchiata</i>)	<i>Ampelisca palmata</i> (<i>Ampelisca anomala</i>)	<i>Carditella capensis</i> (<i>Nucula nucleus</i>)	-	-
		<i>Marphysa sherlockae</i> (<i>Marphysa depressa</i>)	-	<i>Ampelisca palmata</i> (<i>Ampelisca spinimana</i>)	-	-	-
		<i>Tharyx killariensis</i> (<i>Chaetozone christiei</i>)	-	-	<i>Hyala vitrea</i> (<i>Onidia diaphana</i>)	-	-
	OS88	0	-	-	-	-	-
BL_3129	OS86	3	-	<i>Nymphon hirtum</i> (<i>Nymphon brevitarso</i>)	<i>Pusillina inconspicua</i> (<i>Rissoa parva</i>)	-	-
		-	-	<i>Apolochus spencebattei</i> (<i>Apolochus neapolitanus</i>)	-	-	-
	OS87	2	-	<i>Harpinia pectinata</i> (<i>Harpinia crenulata</i>)	<i>Pusillina inconspicua</i> (<i>Rissoa parva</i>)	-	-
	OS88	2	<i>Scoloplos armiger</i> (<i>Cirratulidae</i>)	<i>Tryphosa nana</i> (<i>Lysianassidae</i>)	-	-	-
BL_3130	OS86	0	-	-	-	-	-
	OS87	2	-	-	<i>Retusa umbilicata</i> (<i>Retusa obtusa</i>)	-	-
		-	-	-	<i>Varicorbula gibba</i> (<i>Spisula</i> sp. juv.)	-	-
BL_3131	OS88	1	<i>Amphicteis gunneri</i> (<i>Ampharete lindstroemi</i>)	-	-	-	-
	OS86	0	-	-	-	-	-
	OS87	0	-	-	-	-	-
	OS88	0	-	-	-	-	-
BL_3132	OS86	0	-	-	-	-	-
	OS87	0	-	-	-	-	-
	OS88	1	<i>Prionospio multisetosa</i> (<i>Prionospio dubia</i>)	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS86 - 88) (erroneous identifications in brackets).

LabCode / Smp.	Taxonomic Errors	Major Taxonomic Group					
		Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_3134	OS86 1	-	-	-	<i>Littorina littorea</i> juv (<i>Littorina saxatilis</i> aggregate)	-	-
	OS87 0	-	-	-	-	-	-
	OS88 1	<i>Pygospio elegans</i> (<i>Streblospio shrubsolii</i>)	-	-	-	-	-
BI_3135	OS86 1	-	-	<i>Bathyporeia sarsi</i> (<i>Bathyporeia pelagica</i>)	-	-	-
	OS87 0	-	-	-	-	-	-
	OS88 2	<i>Chaetozone gibber</i> (<i>Melinna palmata</i>)	-	-	-	-	<i>Deltalsia parasitica</i> (<i>Xiphosiphonia</i>)
BI_3136	OS86 0	-	-	-	-	-	-
	OS87 0	-	-	-	-	-	-
	OS88 2	-	-	-	-	-	<i>Golfingia elongata</i> (<i>Golfingia</i> (<i>Golfingia</i>) <i>vulgaris vulgaris</i>)
BI_3137	OS86 0	-	-	-	-	-	<i>Sycon</i> (<i>Leucosolenia</i>)
	OS87 0	-	-	-	-	-	-
	OS88 0	-	-	-	-	-	-
BI_3138	OS86 1	-	-	<i>Diastylis bradyi</i> (<i>Diastylis laevis</i>)	-	-	-
	OS87 0	-	-	-	-	-	-
	OS88 0	-	-	-	-	-	-
BI_3139	OS86 0	-	-	-	-	-	-
	OS87 0	-	-	-	-	-	-
	OS88 0	-	-	-	-	-	-
TOTAL		80	36	16	22	0	5
% Error			45	20	28	0	6

NB: % errors for taxonomic groups are percentages of the total errors generated by each taxon (not percentages of errors within each taxon)

* - Own Samples not from NE Atlantic region

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by APEM Ltd. for the major taxonomic groups present in samples OS86-OS88.

		OS86							Overall
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	
BI_3102	OD	0.5401	4.2777	0.0002	-	0.0955	24.3539	7.0108	36.8912
	AD	0.4425	3.5430	0.0002	-	0.0811	23.3519	5.9917	33.9667
	%diff.	18.07	17.18	0.00	-	15.08	4.11	14.54	7.93
BI_3103	OD	-	0.4393	0.0005	-	0.0030	314.3419	0.3272	315.1119
	AD	-	0.3007	0.0003	-	0.0029	285.5558	0.2687	286.1284
	%diff.	-	31.55	40.00	-	3.33	9.16	17.88	9.20
BI_3122	OD	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
BI_3127	OD	2.1978	1.2213	-	-	12.5498	8.9042	-	24.8744
	AD	1.5540	0.6737	-	-	11.5284	8.9741	-	22.7323
	%diff.	29.29	44.84	-	-	8.14	-0.79	-	8.6117
BI_3139	OD	-	0.5176	0.0132	-	0.0008	1.0927	-	1.6244
	AD	-	0.4936	0.0116	-	0.0008	1.1026	-	1.6087
	%diff.	-	4.64	12.12	-	0.00	-0.91	-	0.97

Key: OD - Own data, participating laboratory
AD - Audit data
"-" - No data.

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by APEM Ltd. for the major taxonomic groups present in samples OS86-OS88.

		OS87								
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	
LabCode										Overall
BI_3102	OD	0.0008	0.6632	0.0002	-	0.1890	2.6135	0.0407	0.0146	3.5220
	AD	0.0005	0.4907	0.0002	-	0.1315	2.4913	0.0364	0.0110	3.1616
	%diff.	37.50	26.01	0.00	-	30.42	4.68	10.57	24.66	10.23
BI_3103	OD	-	0.0516	0.0001	-	0.0008	1.7357	0.4360	-	2.2242
	AD	-	0.0366	0.0001	-	0.0008	1.6712	0.4333	-	2.1420
	%diff.	-	29.07	0.00	-	0.00	3.72	0.62	-	3.70
BI_3122	OD	-	0.0868	0.0007	-	-	0.3030	-	-	0.3905
	AD	-	0.0780	0.0006	-	-	0.2945	-	-	0.3731
	%diff.	-	10.14	14.29	-	-	2.81	-	-	4.4558
BI_3127	OD	-	1.8059	-	-	3.0048	1.8425	-	-	6.6532
	AD	-	1.2493	-	-	2.6667	1.8858	-	-	5.8018
	%diff.	-	30.82	-	-	11.25	-2.35	-	-	12.7968
BI_3139	OD	0.0300	0.7449	0.0045	-	0.0043	5.2204	4.6876	0.1843	10.8760
	AD	0.0198	0.4398	0.0031	-	0.0047	5.0657	3.7114	0.1573	9.4018
	%diff.	34.00	40.96	31.11	-	-9.30	2.96	20.83	14.65	13.55

Key: OD - Own data, participating laboratory
AD - Audit data
"- " - No data.

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by APEM Ltd. for the major taxonomic groups present in samples OS86-OS88.

		OS88							
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other
BI_3102	OD	-	1.0341	0.4751	-	0.0069	0.0025	-	0.0001
	AD	-	0.8581	0.3521	-	0.0059	0.0025	-	0.0001
	%diff.	-	17.02	25.89	-	14.49	0.00	-	0.00
BI_3103	OD	0.0042	0.7725	-	-	0.0088	77.2439	29.8863	-
	AD	0.0035	0.5006	-	-	0.0060	73.9493	22.1237	-
	%diff.	17.26	35.20	-	-	31.97	4.27	25.97	-
BI_3122	OD	-	0.0435	0.0014	-	-	0.0254	-	0.0001
	AD	-	0.0346	0.0010	-	-	0.0247	-	0.0001
	%diff.	-	20.46	28.57	-	-	2.76	-	0.00
BI_3127	OD	-	0.7014	0.0017	-	4.6402	2.2778	-	-
	AD	-	0.5012	0.0010	-	2.1282	2.1560	-	-
	%diff.	-	28.54	41.18	-	54.14	5.35	-	-
BI_3139	OD	0.0017	0.5052	0.0001	-	0.0386	3.3619	0.0027	0.0985
	AD	0.0023	0.5544	0.0001	-	0.0425	3.3717	0.0023	0.0861
	%diff.	-35.29	-9.74	0.00	-	-10.10	-0.29	14.81	12.59

Key: OD - Own data, participating laboratory
AD - Audit data
"-" - No data.

Table 5. Comparison of the overall performance of laboratories in the Own Sample exercises from 1995/96 to 2024/25 (OS01-88).

Scheme Year	Exercise	Number of samples		% Pass
		Pass (>90% BCSI)	Fail (<90% BCSI)	
02 (1995/96)	01	14	0	100
03 (1996/97)	02, 03, 04	27	11	71
04 (1997/98)	05, 06, 07	33	7	83
05 (1998/99)	08, 09, 10	30	12	71
06 (1999/00)	11, 12, 13	37	14	73
07 (2000/01)	14, 15, 16	30	15	67
08 (2001/02)*	17, 18, 19	35	10	78
09 (2002/03)*	20, 21, 22	33	11	75
10 (2003/04)*	23, 24, 25	43	8	84
11 (2004/05)*	26, 27, 28	51	3	94
12 (2005/06)*	29, 30, 31	50	4	93
13 (2006/07)*	32, 33, 34	63	6	91
14 (2007/08)*	35, 36, 37	69	12	85
15 (2008/09)*	38, 39, 40	67	24	74
16 (2009/10)*	41, 42, 43	75	18	81
17 (2010/11)*	44, 45, 46	85	14	86
18 (2011/12)*	47, 48, 49	95	4	96
19 (2012/13)*	50, 51, 52	102	6	94
20 (2013/14)*	53, 54, 55	73	29	72
2014/15 (21)*	56, 57, 58	71	22	76
2015/16 (22)*	59, 60, 61	81	15	84
2016/17 (23)*	62, 63, 64	72	12	86
2017/18 (24)*	65, 66, 67	70	9	89
2018/19 (25)*	68, 69, 70	73	16	82
2019/20 (26)*	71, 72, 73	89	8	92
2020/21 (27)*	74, 75, 76	65	4	94
2021/22 (28)*	77, 78, 79	83	6	93
2022/23 (29)**	80, 81, 82	91	16	85
2023/24 (30)*	83, 84, 85	58	4	94
2024/25 (31)**	83, 84, 86	55	8	87
Total		1820	328	85

* - Own Samples selected from completed data matrices

* - includes 15 Own Samples from the Black Sea

* - includes 3 Own Samples from the South Africa

BCSI - Bray Curtis Similarity Index (untransformed)