NMBAQC
The National Marine Biological Analytical Quality Control Scheme

Own Sample Module Summary Report

Benthic Invertebrate Component Year 20 - 2013/14

OS53, 54 and 55

5th January 2016

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APEM

MODULE / EXERCISE DETAILS

Module:	Own Sample (OS)
Exercises:	OS53, 54 and 55
Data/Sample Request Circulated:	9th September 2013
Sample Submission Deadline:	13th December 2013
Number of Subscribing Laboratories:	34
Number of Own Samples Received:	102

Contents

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
Lab Code	OD	AD	Target	Flag	Missed	% Missed	Remedial Action	OD	%	Remedial Action	OD	AD	Target	Flag	Missed	% Missed	Remedial Action	OD	AD	Target	Flag	BCSI %	Target	Flag	NMBAQC Sample Flag
OS53 BI_2001	7	7	6.3 - 7.7	PASS	0	0.00	-	0	0.00	-	16	16	14.4 - 17.6	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS54 BI_2001	29	31	27.9 - 34.1	PASS	1	3.23	-	5	16.13	-	234	245	220.5 - 269.5	PASS	2	0.82	-	-	-	-	-	96.07	90	PASS	PASS - GOOD
OS55 BI_2001	16	15	13.5 - 16.5	PASS	0	0.00	-	2	13.33	Review	222	222	199.8 - 244.2	PASS	6	2.70	-	-	-	-	-	88.89	90	FAIL	FAIL - POOR
OS53 BI_2002	6	6	5.4 - 6.6	PASS	0	0.00	-	1	16.67	Review	7	7	6.3 - 7.7	PASS	0	0.00	-	0.1624	0.1437	0.1150 - 0.1724	PASS	85.71	90	FAIL	FAIL - POOR
OS54 BI_2002	7	7	6.3 - 7.7	PASS	0	0.00	-	1	14.29	-	20	19	17.1 - 20.9	PASS	0	0.00	-	0.33602	0.2858	0.2286 - 0.3430	PASS	95.00	90	PASS	PASS - GOOD
OS55 BI_2002	7	8	7.2 - 8.8	FAIL	1	12.50	-	1	12.5	-	19	20	18 - 22	PASS	1	5.00	-	160.333	150.05	120.0400 - 180.0601	PASS	99.75	90	PASS	PASS - GOOD
OS53 BI_2004	49	49	44.1 - 53.9	PASS	0	0.00	-	3	6.12	-	168	173	155.7 - 190.3	PASS	5	2.89	-	-	-	-	-	96.79	90	PASS	PASS - GOOD
OS54 BI_2004	74	74	66.6 - 81.4	PASS	1	1.35	-	2	2.7	-	475	493	443.7 - 542.3	PASS	16	3.25	-	-	-	-	-	97.73	90	PASS	PASS - GOOD
OS55 BI_2004	89	93	83.7 - 102.3	PASS	1	1.08	-	8	8.6	-	874	865	778.5 - 951.5	PASS	1	0.12	-	-	-	-	-	96.27	90	PASS	PASS - GOOD
OS53 BI_2005	21	22	19.8 - 24.2	PASS	1	4.55	-	1	4.55	-	152	154	138.6 - 169.4	PASS	1	0.65	-	-	-	-	-	98.69	90	PASS	PASS - GOOD
OS54 BI_2005	23	23	20.7 - 25.3	PASS	0	0.00	-	0	0	-	169	169	152.1 - 185.9	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS55 BI_2005	21	25	22.5 - 27.5	FAIL	4	16.00	-	2	8	-	203	214	192.6 - 235.4	PASS	11	5.14	-	-	-	-	-	96.40	90	PASS	PASS - GOOD
OS53 BI_2007	7	7	6.3 - 7.7	PASS	0	0.00	-	1	14.3	-	97	97	87.3 - 106.7	PASS	0	0.00	-	-	-	-	-	98.98	90	PASS	PASS - GOOD
OS54 BI_2007	5	5	4.5 - 5.5	PASS	0	0.00	-	0	0	-	361	380	342 - 418	PASS	0	0.00	-	-	-	-	-	97.44	90	PASS	PASS - GOOD
OS55 BI_2007	10	10	9 - 11	PASS	0	0.00	-	0	0	-	38	38	34.2 - 41.8	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS53 BI_2008	46	50	45 - 55	PASS	6	12.00	-	3	6	-	90	94	84.6 - 103.4	PASS	4	4.26	-	-	-	-	-	90.39	90	PASS	PASS - ACCEPTABLE
OS54 BI_2008	62	63	56.7 - 69.3	PASS	0	0.00	-	3	4.76	-	192	192	172.8 - 211.2	PASS	0	0.00	-	-	-	-	-	94.53	90	PASS	PASS - ACCEPTABLE
OS55 BI_2008	27	26	23.4 - 28.6	PASS	0	0.00	-	3	11.5	-	51	51	45.9 - 56.1	PASS	0	0.00	-	-	-	-	-	92.16	90	PASS	PASS - ACCEPTABLE
OS53 BI_2009	16	16	14.4 - 17.6	PASS	0	0.00	-	2	12.5	-	366	376	338.4 - 413.6	PASS	1	0.27	-	-	-	-	-	96.23	90	PASS	PASS - GOOD
OS54 BI_2009	20	21	18.9 - 23.1	PASS	0	0.00	-	3	14.3	-	4385	4412	3970.8 - 4853.2	PASS	7	0.16	-	-	-	-	-	99.44	90	PASS	PASS - GOOD
OS55 BI_2009	37	37	33.3 - 40.7	PASS	0	0.00	-	0	0	-	130	130	117 - 143	PASS	1	0.77	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS53 BI_2016	76	82	73.8 - 90.2	PASS	4	4.88	-	4	4.88	-	234	288	259.2 - 316.8	FAIL	50	17.36	Reprocess	-	-	-	-	88.21	90	FAIL	FAIL - POOR
OS54 BI_2016	17	17	15.3 - 18.7	PASS	N/A	N/A	Reprocess	5	29.4	Reprocess	384	350	315 - 385	PASS	N/A	N/A	Reprocess	0.1473	0.1077	0.08616 - 0.12924	FAIL	85.48	90	FAIL	FAIL - POOR
OS55 BI_2016	9	8	7.2 - 8.8	FAIL	0	0.00	-	0	0	-	638	637	573.3 - 700.7	PASS	0	0.00	-	-	-	-	-	99.61	90	PASS	PASS - GOOD
OS53 BI_2017	32	33	29.7 - 36.3	PASS	2	6.06	-	2	6.06	-	83	85	76.5 - 93.5	PASS	2	2.35	-	-	-	-	-	94.05	90	PASS	PASS - ACCEPTABLE
OS54 BI_2017	17	17	15.3 - 18.7	PASS	0	0.00	-	1	5.88	-	74	81	72.9 - 89.1	PASS	7	8.64	-	-	-	-	-	90.32	90	PASS	PASS - ACCEPTABLE
OS55 BI_2017	25	28	25.2 - 30.8	FAIL	3	10.71	Reprocess	2	7.14	Review	58	61	54.9 - 67.1	PASS	3	4.92	-	-	-	-	-	70.59	90	FAIL	FAIL - BAD
OS53 BI_2019	24	26	23.4 - 28.6	PASS	0	0.00	-	2	7.69	-	144	154	138.6 - 169.4	PASS	11	7.14	-	-	-	-	-	94.63	90	PASS	PASS - ACCEPTABLE
OS54 BI_2019	17	16	14.4 - 17.6	PASS	0	0.00	-	1	6.25	Review	41	61	54.9 - 67.1	FAIL	16	26.23	Reprocess	-	-	-	-	78.43	90	FAIL	FAIL - BAD
OS55 BI_2019	17	19	17.1 - 20.9	FAIL	2	10.53	Review	2	10.5	Review	39	48	43.2 - 52.8	FAIL	9	18.75	Reprocess	-	-	-	-	78.16	90	FAIL	FAIL - BAD
OS53 BI_2021	19	20	18 - 22	PASS	1	5.00	-	0	0	-	90	91	81.9 - 100.1	PASS	1	1.10	-	-	-	-	-	99.45	90	PASS	PASS - GOOD
OS54 BI_2021	28	29	26.1 - 31.9	PASS	1	3.45	-	0	0	-	47	49	44.1 - 53.9	PASS	1	2.04	-	-	-	-	-	97.92	90	PASS	PASS - GOOD
OS55 BI_2021	20	22	19.8 - 24.2	PASS	3	13.64	-	2	9.09	-	48	51	45.9 - 56.1	PASS	3	5.88	-	-	-	-	-	91.84	90	PASS	PASS - ACCEPTABLE
OS53 BI_2023	12	12	10.8 - 13.2	PASS	0	0.00	-	2	16.7	Review	32	33	29.7 - 36.3	PASS	1	3.03	-	-	-	-	-	80.00	90	FAIL	FAIL - BAD
OS54 BI_2023	14	14	12.6 - 15.4	PASS	0	0.00	-	2	14.3	-	35	35	31.5 - 38.5	PASS	0	0.00	-	-	-	-	-	94.29	90	PASS	PASS - ACCEPTABLE
OS55 BI_2023	17	18	16.2 - 19.8	PASS	1	5.56	-	1	5.56	-	75	77	69.3 - 84.7	PASS	2	2.60	-	-	-	-	-	94.74	90	PASS	PASS - ACCEPTABLE
OS53 BI_2026	30	31	27.9 - 34.1	PASS	0	0.00	-	1	3.23	-	148	151	135.9 - 166.1	PASS	2	1.32	-	-	-	-	-	94.35	90	PASS	PASS - ACCEPTABLE
OS54 BI_2026	19	19	17.1 - 20.9	PASS	0	0.00	-	1	5.26	-	124	124	111.6 - 136.4	PASS	0	0.00	-	-	-	-	-	97.60	90	PASS	PASS - GOOD
OS55 BI_2026	25	26	23.4 - 28.6	PASS	1	3.85	-	0	0	-	65	66	59.4 - 72.6	PASS	1	1.52	-	-	-	-	-	99.25	90	PASS	PASS - GOOD
OS53 BI_2027	88	95	85.5 - 104.5	PASS	5	5.26	-	6	6.32	-	1627	1644	1479.6 - 1808.4	PASS	30	1.82	-	7.7621	6.8277	5.46216 - 8.19324	PASS	97.25	90	PASS	PASS - GOOD
OS54 BI_2027	131	142	127.8 - 156.2	PASS	6	4.23	-	7	4.93	-	999	1060	954 - 1166	PASS	86	8.11	-	35.8838	32.4475	25.958 - 38.937	PASS	93.07	90	PASS	PASS - ACCEPTABLE
OS55 BI_2027	73	77	69.3 - 84.7	PASS	2	2.60	-	6	7.79	-	314	318	286.2 - 349.8	PASS	5	1.57	-	3.5848	3.7282	2.98256 - 4.47384	PASS	95.63	90	PASS	PASS - GOOD

NB. This table details the findings of the audit only. For details of Own Sample remedial action please refer to NMBAQCS Year 20 Annual report, section 2.5.

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

	Estimation of Taxa							Taxonomic errors			No. Individuals							Estimation of Biomass				Similarity Index			Sample Flag
Lab Code	OD	AD	Target	Flag	Missed	% Missed	Remedial Action	OD	%	Remedial Action	OD	AD	Target	Flag	Missed	% Missed	Remedial Action	OD	AD	Target	Flag	BCSI %	Target	Flag	NMBAQC Sample Flag
OS53 BI_2029	69	75	67.5 - 82.5	PASS	3	4.00	-	11	14.7	Reprocess	486	504	453.6 - 554.4	PASS	11	2.18	-	9.1006	11.6618	9.3294 - 13.9942	FAIL	89.90	90	FAIL	FAIL - POOR
OS54 BI_2029	43	46	41.4 - 50.6	PASS	1	2.17	-	7	15.2	Reprocess	472	465	418.5 - 511.5	PASS	4	0.86	-	50.3647	16.5372	13.2298 - 19.8446	FAIL	83.71	90	FAIL	FAIL - BAD
OS55 BI_2029	8	8	7.2 - 8.8	PASS	0	0.00	-	0	0	-	24	24	21.6 - 26.4	PASS	0	0.00	-	0.85	0.882	0.7056 - 1.0584	PASS	100.00	90	PASS	PASS - EXCELLENT
OS53 BI_2030	10	12	10.8 - 13.2	FAIL	2	16.67	-	0	0	-	38	38	34.2 - 41.8	PASS	0	0.00	-	-	-	-	-	97.44	90	PASS	PASS - GOOD
OS54 BI_2030	14	15	13.5 - 16.5	PASS	1	6.67	-	1	6.67	-	95	93	83.7 - 102.3	PASS	1	1.08	-	-	-	-	-	95.24	90	PASS	PASS - GOOD
OS55 BI_2030	10	9	8.1 - 9.9	FAIL	0	0.00	-	1	11.1	Review	122	115	103.5 - 126.5	PASS	1	0.87	-	-	-	-	-	89.92	90	FAIL	FAIL - POOR
OS53 BI_2031	11	11	9.9 - 12.1	PASS	0	0.00	-	0	0	-	20	20	18 - 22	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS54 BI_2031	15	15	13.5 - 16.5	PASS	0	0.00	-	0	0	-	42	43	38.7 - 47.3	PASS	0	0.00	-	-	-	-	-	98.82	90	PASS	PASS - GOOD
OS55 BI_2031	21	21	18.9 - 23.1	PASS	0	0.00	-	1	4.76	-	61	61	54.9 - 67.1	PASS	0	0.00	-	-	-	-	-	98.39	90	PASS	PASS - GOOD
OS53 BI_2033	8	21	18.9 - 23.1	FAIL	12	57.14	Reprocess	2	9.52	Review	23	68	61.2 - 74.8	FAIL	44	64.71	Reprocess	2.5463	2.5695	2.0556 - 3.0834	PASS	43.48	90	FAIL	FAIL - BAD
OS54 BI_2033	7	11	9.9 - 12.1	FAIL	4	36.36	Reprocess	1	9.09	Review	24	45	40.5 - 49.5	FAIL	21	46.67	Reprocess	782.985	4.6156	3.6925 - 5.5387	FAIL	63.77	90	FAIL	FAIL - BAD
OS55 BI_2033	12	18	16.2 - 19.8	FAIL	6	33.33	Reprocess	1	5.56	Review	26	49	44.1 - 53.9	FAIL	21	42.86	Reprocess	46.6379	25.4565	20.3652 - 30.5478	FAIL	69.33	90	FAIL	FAIL - BAD
OS53 BI_2036	4	4	3.6 - 4.4	PASS	0	0.00	-	0	0	-	9	9	8.1 - 9.9	PASS	0	0.00	-	0.0165	0.0078	0.0062 - 0.0094	FAIL	100.00	90	PASS	PASS - EXCELLENT
OS54 BI_2036	9	9	8.1 - 9.9	PASS	0	0.00	-	1	11.1	-	16	16	14.4 - 17.6	PASS	0	0.00	-	0.2297	0.1966	0.1573 - 0.2359	PASS	94.12	90	PASS	PASS - ACCEPTABLE
OS55 BI_2036	10	11	9.9 - 12.1	PASS	0	0.00	-	1	9.09	-	172	171	153.9 - 188.1	PASS	0	0.00	-	12.7748	10.8299	8.6639 - 12.9959	PASS	98.54	90	PASS	PASS - GOOD
OS53 BI_2044	5	5	4.5 - 5.5	PASS	0	0.00	-	0	0	-	26	26	23.4 - 28.6	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS54 BI_2044	12	12	10.8 - 13.2	PASS	0	0.00	-	0	0	-	427	446	401.4 - 490.6	PASS	20	4.48	-	-	-	-	-	97.37	90	PASS	PASS - GOOD
OS55 BI_2044	11	11	9.9 - 12.1	PASS	0	0.00	-	0	0	-	234	234	210.6 - 257.4	PASS	1	0.43	-	-	-	-	-	99.15	90	PASS	PASS - GOOD
OS53 BI_2045	131	145	130.5 - 159.5	PASS	2	1.38	-	14	9.66	-	3642	3775	3397.5 - 4152.5	PASS	163	4.32	-	-	-	-	-	94.95	90	PASS	PASS - ACCEPTABLE
OS54 BI_2045	118	123	110.7 - 135.3	PASS	4	3.25	-	7	5.69	-	3482	3535	3181.5 - 3888.5	PASS	152	4.30	-	-	-	-	-	96.29	90	PASS	PASS - GOOD
OS55 BI_2045	2	2	1.8 - 2.2	PASS	0	0.00	-	0	0	-	2	2	1.8 - 2.2	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS53 BI_2046	1	2	1.8 - 2.2	FAIL	1	50.00	Review	0	0	-	0	1	0.9 - 1.1	FAIL	1	100.00	Review	-	-	-	-	66.67	90	FAIL	FAIL - BAD
OS54 BI_2046	32	32	28.8 - 35.2	PASS	0	0.00	-	0	0	-	3047	3140	2826 - 3454	PASS	103	3.28	-	-	-	-	-	97.08	90	PASS	PASS - GOOD
OS55 BI_2046	20	20	18 - 22	PASS	0	0.00	-	1	5	-	260	289	260.1 - 317.9	FAIL	33	11.42	-	-	-	-	-	92.39	90	PASS	PASS - ACCEPTABLE
OS53 BI_2047	3	3	2.7 - 3.3	PASS	0	0.00	-	1	33.3	-	26	25	22.5 - 27.5	PASS	0	0.00	-	-	-	-	-	94.12	90	PASS	PASS - ACCEPTABLE
OS54 BI_2047	5	5	4.5 - 5.5	PASS	0	0.00	-	1	20	Review	9	9	8.1 - 9.9	PASS	0	0.00	-	-	-	-	-	40.00	90	FAIL	FAIL - BAD
OS55 BI_2047	36	52	46.8 - 57.2	FAIL	14	26.92	Reprocess	8	15.4	Reprocess	1003	1203	1082.7 - 1323.3	FAIL	185	15.38	Reprocess	-	-	-	-	77.33	90	FAIL	FAIL - BAD
OS53 BI_2048	11	13	11.7 - 14.3	FAIL	0	0.00	-	5	38.5	Reprocess	905	953	857.7 - 1048.3	PASS	56	5.88	Review	-	-	-	-	70.42	90	FAIL	FAIL - BAD
OS54 BI_2048	40	44	39.6 - 48.4	PASS	3	6.82	Review	5	11.4	Reprocess	951	978	880.2 - 1075.8	PASS	49	5.01	Review	-	-	-	-	89.38	90	FAIL	FAIL - POOR
OS55 BI_2048	68	75	67.5 - 82.5	PASS	5	6.67	Review	18	24	Reprocess	4873	5542	4987.8 - 6096.2	FAIL	568	10.25	Reprocess	-	-	-	-	86.61	90	FAIL	FAIL - POOR
OS53 BI_2049	23	25	22.5 - 27.5	PASS	0	0.00	-	3	12	-	488	498	448.2 - 547.8	PASS	20	4.02	-	-	-	-	-	95.94	90	PASS	PASS - GOOD
OS54 BI_2049	15	16	14.4 - 17.6	PASS	1	6.25	-	3	18.8	-	508	611	549.9 - 672.1	FAIL	127	20.79	-	-	-	-	-	90.44	90	PASS	PASS - ACCEPTABLE
OS55 BI_2049	3	3	2.7 - 3.3	PASS	0	0.00	-	0	0	-	12	12	10.8 - 13.2	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS53 BI_2050	3	3	2.7 - 3.3	PASS	0	0.00	-	0	0	-	9	9	8.1 - 9.9	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT
OS54 BI_2050	14	18	16.2 - 19.8	FAIL	0	0.00	-	4	22.2	-	198	199	179.1 - 218.9	PASS	1	0.50	-	-	-	-	-	95.05	90	PASS	PASS - GOOD
OS55 BI_2050	5	6	5.4 - 6.6	FAIL	1	16.67	-	1	16.7	-	46	50	45 - 55	PASS	3	6.00	-	-	-	-	-	91.67	90	PASS	PASS - ACCEPTABLE
OS53 BI_2051	17	17	15.3 - 18.7	PASS	1	5.88	-	0	0	-	166	167	150.3 - 183.7	PASS	1	0.60	-	-	-	-	-	99.40	90	PASS	PASS - GOOD
OS54 BI_2051	29	29	26.1 - 31.9	PASS	0	0.00	-	0	0	-	1513	1513	1361.7 - 1664.3	PASS	0	0.00	-	-	-	-	-	99.80	90	PASS	PASS - GOOD
OS55 BI_2051	14	14	12.6 - 15.4	PASS	0	0.00	-	0	0	-	2285	2282	2053.8 - 2510.2	PASS	4	0.18	-	-	-	-	-	99.85	90	PASS	PASS - GOOD
OS53 BI_2052	13	13	11.7 - 14.3	PASS	0	0.00	-	0	0	-	2488	2471	2223.9 - 2718.1	PASS	0	0.00	-	-	-	-	-	99.52	90	PASS	PASS - GOOD
OS54 BI_2052	18	18	16.2 - 19.8	PASS	0	0.00	-	0	0	-	4348	4297	3867.3 - 4726.7	PASS	0	0.00	-	-	-	-	-	99.32	90	PASS	PASS - GOOD
OS55 BI_2052	5	5	4.5 - 5.5	PASS	0	0.00	-	0	0	-	7	7	6.3 - 7.7	PASS	0	0.00	-	-	-	-	-	100.00	90	PASS	PASS - EXCELLENT

NB. This table details the findings of the audit only. For details of Own Sample remedial action please refer to NMBAQCS Year 20 Annual report, section 2.5.

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

	Estimation of Taxa							Taxonomic errors			No. Individuals							Estimation of Biomass				Similarity Index			Sample Flag
Lab Code	OD	AD	Target	Flag	Missed	% Missed	Remedial Action	OD	%	Remedial Action	OD	AD	Target	Flag	Missed	% Missed	Remedial Action	OD	AD	Target	Flag	BCSI %	Target	Flag	NMBAQC Sample Flag
OS53 BI_2054	7	7	6.3 - 7.7	PASS	0	0.00	-	0	0	-	8	8	7.2 - 8.8	PASS	0	0.00	-	0.7304	0.8754	0.7003 - 1.0505	PASS	100.00	90	PASS	PASS - EXCELLENT
OS54 BI_2054	24	25	22.5 - 27.5	PASS	1	4.00	-	0	0	-	276	279	251.1 - 306.9	PASS	4	1.43	-	0.337	0.3594	0.2875 - 0.4313	PASS	99.28	90	PASS	PASS - GOOD
OS55 BI_2054	42	42	37.8 - 46.2	PASS	0	0.00	-	0	0	-	178	175	157.5 - 192.5	PASS	0	0.00	-	1.6101	1.8731	1.4985 - 2.2477	PASS	98.61	90	PASS	PASS - GOOD
OS53 BI_2056	26	34	30.6 - 37.4	FAIL	0	0.00	-	13	38.2	Reprocess	179	119	107.1 - 130.9	FAIL	0	0.00	-	-	-	-	-	63.76	90	FAIL	FAIL - BAD
OS54 BI_2056	30	33	29.7 - 36.3	PASS	2	6.06	Review	5	15.2	Reprocess	83	72	64.8 - 79.2	FAIL	3	4.17	-	-	-	-	-	71.80	90	FAIL	FAIL - BAD
OS55 BI_2056	26	27	24.3 - 29.7	PASS	1	3.70	-	6	22.2	Reprocess	252	250	225 - 275	PASS	4	1.60	-	-	-	-	-	88.45	90	FAIL	FAIL - POOR
OS53 BI_2058	12	16	14.4 - 17.6	FAIL	3	18.75	-	0	0	-	36	42	37.8 - 46.2	FAIL	4	9.52	-	-	-	-	-	92.31	90	PASS	PASS - ACCEPTABLE
OS54 BI_2058	2	2	1.8 - 2.2	PASS	0	0.00	-	1	50	Review	6	6	5.4 - 6.6	PASS	0	0.00	-	-	-	-	-	66.67	90	FAIL	FAIL - BAD
OS55 BI_2058	6	7	6.3 - 7.7	FAIL	1	14.29	-	0	0	-	36	37	33.3 - 40.7	PASS	2	5.41	-	-	-	-	-	95.89	90	PASS	PASS - GOOD
OS53 BI_2059	25	28	25.2 - 30.8	FAIL	1	3.57	-	4	14.3	Reprocess	25	27	24.3 - 29.7	PASS	1	3.70	-	0.8252	0.7313	0.58504 - 0.87756	PASS	84.06	90	FAIL	FAIL - BAD
OS54 BI_2059	2	2	1.8 - 2.2	PASS	0	0.00	-	0	0	-	2	2	1.8 - 2.2	PASS	0	0.00	-	0.0109	0.011	0.0088 - 0.0132	PASS	100.00	90	PASS	PASS - EXCELLENT
OS55 BI_2059	8	9	8.1 - 9.9	FAIL	1	11.11	Review	1	11.1	Review	12	14	12.6 - 15.4	FAIL	2	14.29	Review	2.6456	2.5609	2.04872 - 3.07308	PASS	85.71	90	FAIL	FAIL - POOR
OS53 BI_2060	69	69	62.1 - 75.9	PASS	0	0.00	-	3	4.35	-	393	397	357.3 - 436.7	PASS	0	0.00	-	-	-	-	-	98.48	90	PASS	PASS - GOOD
OS54 BI_2060	76	77	69.3 - 84.7	PASS	0	0.00	-	3	3.9	-	529	535	481.5 - 588.5	PASS	2	0.37	-	-	-	-	-	98.68	90	PASS	PASS - GOOD
OS55 BI_2060	70	70	63 - 77	PASS	0	0.00	-	1	1.43	-	473	472	424.8 - 519.2	PASS	2	0.42	-	-	-	-	-	99.26	90	PASS	PASS - GOOD
OS53 BI_2071	23	31	27.9 - 34.1	FAIL	5	16.13	Reprocess	13	41.9	Reprocess	139	137	123.3 - 150.7	PASS	11	8.03	Review	-	-	-	-	15.94	90	FAIL	FAIL - BAD
OS54 BI_2071	22	32	28.8 - 35.2	FAIL	7	21.88	Reprocess	9	28.1	Reprocess	56	70	63 - 77	FAIL	19	27.14	Reprocess	-	-	-	-	40.95	90	FAIL	FAIL - BAD
OS55 BI_2071	20	26	23.4 - 28.6	FAIL	6	23.08	Reprocess	5	19.2	Reprocess	37	64	57.6 - 70.4	FAIL	28	43.75	Reprocess	-	-	-	-	49.51	90	FAIL	FAIL - BAD

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

NB. This table details the findings of the audit only. For details of Own Sample remedial action please refer to NMBAQCS Year 20 Annual report, section 2.5.

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS53-55).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall	
BI_2001	OS53	AD count	3	1	-	-	11	1	-	-	16	
		Missed	0	0	-	-	0	0	-	-	0	
		%missed	0.0	0.0	-	-	0.0	0.0	-	-	0.0	
	OS54	AD count	-	192	17	-	9	25	-	0	243	
		Missed	-	1	0	-	1	0	-	0	2	
		%missed	-	0.5	0.0	-	11.1	0.0	-	0.0	0.8	
	OS55	AD count	-	121	17	1	1	76	-	0	216	
		Missed	-	4	2	0	0	0	-	0	6	
		%missed	-	3.3	11.8	0.0	0.0	0.0	-	0.0	2.8	
BI_2002	OS53	AD count	-	1	1	-	2	3	-	-	7	
		Missed	-	0	0	-	0	0	-	-	0	
		%missed	-	0.0	0.0	-	0.0	0.0	-	-	0.0	
	OS54	AD count	-	-	10	-	1	7	-	1	19	
		Missed	-	-	0	-	0	0	-	0	0	
		%missed	-	-	0.0	-	0.0	0.0	-	0.0	0.0	
	OS55	AD count	-	80	-	-	1	717	-	-	798	
		Missed	-	0	-	-	0	1	-	-	1	
		%missed	-	0.0	-	-	0.0	0.1	-	-	0.1	
BI_2004	OS53	AD count	-	129	-	-	14	9	7	9	168	
		Missed	-	2	-	-	0	0	3	0	5	
		%missed	-	1.6	-	-	0.0	0.0	42.9	0.0	3.0	
	OS54	AD count	1	311	2	-	24	86	34	19	477	
		Missed	1	6	0	-	0	8	0	1	16	
		%missed	50.0	1.9	0.0	-	0.0	9.3	0.0	0.0	3.4	
	OS55	AD count	11	711	-	-	36	47	41	18	864	
		Missed	0	0	-	-	0	0	1	0	1	
		%missed	0.0	0.0	-	-	0.0	0.0	2.4	0.0	0.1	
BI_2005	OS53	AD count	1	52	-	-	2	72	-	26	153	
		Missed	0	0	-	-	0	1	-	0	1	
		%missed	0.0	0.0	-	-	0.0	1.4	-	0.0	0.7	
	OS54	AD count	-	60	-	-	15	75	-	19	169	
		Missed	-	0	-	-	0	0	-	0	0	
		%missed	-	0.0	-	-	0.0	0.0	-	0.0	0.0	
	OS55	AD count	3	119	-	-	-	35	-	46	203	
		Missed	0	4	-	-	-	7	-	0	11	
		%missed	0.0	3.4	-	-	-	20.0	-	0.0	5.4	
BI_2007	OS53	AD count	-	96	-	-	1	-	-	-	97	
		Missed	-	0	-	-	0	-	-	-	0	
		%missed	-	0.0	-	-	0.0	-	-	-	0.0	
	OS54	AD count	-	377	-	-	-	-	-	3	380	
		Missed	-	0	-	-	-	-	-	0	0	
		%missed	-	0.0	-	-	-	-	-	0.0	0.0	
	OS55	AD count	-	24	-	-	-	2	12	-	38	
		Missed	-	0	-	-	-	0	0	-	0	
		%missed	-	0.0	-	-	-	0.0	0.0	-	0.0	
BI_2008	OS53	AD count	1	43	-	-	15	25	6	0	90	4 missed colonial taxa
		Missed	0	0	-	-	0	4	0	0	4	
		%missed	0.0	0.0	-	-	0.0	16.0	0.0	0.0	4.4	
	OS54	AD count	11	125	-	-	4	14	21	17	192	
		Missed	0	0	-	-	0	0	0	0	0	
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	
	OS55	AD count	1	30	-	-	1	10	6	3	51	
		Missed	0	0	-	-	0	0	0	0	0	
		%missed	0.0	0.0	-	-	0.0	0.0	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 (OS53-55).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall	
BI_2009	OS53	AD count	-	227	2	-	5	13	-	128	375	
		Missed	-	1	0	-	0	0	-	0	1	
		%missed	-	0.4	0.0	-	0.0	0.0	-	0.0	0.3	
	OS54	AD count	-	3772	57	-	3	48	-	525	4405	
		Missed	-	5	0	-	0	0	-	2	7	
		%missed	-	0.1	0.0	-	0.0	0.0	-	0.4	0.2	
	OS55	AD count	-	65	-	1	4	40	14	5	129	
		Missed	-	0	-	0	0	1	0	0	1	
		%missed	-	0.0	-	0.0	0.0	2.5	0.0	0.0	0.8	
BI_2016	OS53	AD count	2	122	2	2	32	45	3	30	238	
		Missed	0	5	0	0	0	45	0	0	50	
		%missed	0.0	4.1	0.0	0.0	0.0	100.0	0.0	0.0	21.0	
	OS54	AD count	1	140	87	-	-	27	-	95	350	
		Missed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		%missed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No residue provided
	OS55	AD count	-	98	531	-	3	-	-	5	637	
		Missed	-	0	0	-	0	-	-	0	0	
		%missed	-	0.0	0.0	-	0.0	-	-	0.0	0.0	
BI_2017	OS53	AD count	7	54	-	-	8	11	3	-	83	
		Missed	0	1	-	-	0	1	0	-	2	
		%missed	0.0	1.9	-	-	0.0	9.1	0.0	-	2.4	
	OS54	AD count	-	64	-	-	1	6	1	2	74	
		Missed	-	7	-	-	0	0	0	0	7	
		%missed	-	10.9	-	-	0.0	0.0	0.0	0.0	9.5	
	OS55	AD count	1	37	-	-	9	5	3	3	58	
		Missed	0	2	-	-	0	1	0	0	3	
		%missed	0.0	5.4	-	-	0.0	20.0	0.0	0.0	5.2	
BI_2019	OS53	AD count	-	50	-	-	4	28	23	38	143	
		Missed	-	0	-	-	1	0	0	10	11	
		%missed	-	0.0	-	-	25.0	0.0	0.0	26.3	7.7	
	OS54	AD count	-	10	-	-	3	13	6	13	45	
		Missed	-	0	-	-	0	0	0	16	16	
		%missed	-	0.0	-	-	0.0	0.0	0.0	123.1	35.6	
	OS55	AD count	-	7	0	-	5	13	14	0	39	
		Missed	-	0	1	-	0	0	0	8	9	
		%missed	-	0.0	100.0	-	0.0	0.0	0.0	800.0	23.1	
BI_2021	OS53	AD count	1	25	-	-	6	38	18	2	90	
		Missed	0	0	-	-	1	0	0	0	1	
		%missed	0.0	0.0	-	-	16.7	0.0	0.0	0.0	1.1	
	OS54	AD count	1	34	-	1	1	1	3	7	48	
		Missed	0	0	-	0	0	1	0	0	1	
		%missed	0.0	0.0	-	0.0	0.0	100.0	0.0	0.0	2.1	
	OS55	AD count	1	9	-	-	4	24	8	2	48	
		Missed	0	0	-	-	1	2	0	0	3	
		%missed	0.0	0.0	-	-	25.0	8.3	0.0	0.0	6.3	
BI_2023	OS53	AD count	-	10	2	-	19	1	-	-	32	
		Missed	-	0	0	-	0	1	-	-	1	
		%missed	-	0.0	0.0	-	0.0	100.0	-	-	3.1	
	OS54	AD count	-	9	-	-	20	6	-	-	35	
		Missed	-	0	-	-	0	0	-	-	0	
		%missed	-	0.0	-	-	0.0	0.0	-	-	0.0	
	OS55	AD count	1	61	1	1	3	8	-	-	75	
		Missed	0	2	0	0	0	0	-	-	2	
		%missed	0.0	3.3	0.0	0.0	0.0	0.0	-	-	2.7	

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS53-55).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall	
BI_2026	OS53	AD count	5	127	-	-	-	10	4	3	149	
		Missed	0	1	-	-	-	0	1	0	2	
		%missed	0.0	0.8	-	-	-	0.0	25.0	0.0	1.3	
	OS54	AD count	8	11	-	-	-	2	2	1	24	
		Missed	0	0	-	-	-	0	0	0	0	
		%missed	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	
	OS55	AD count	1	46	-	-	2	14	2	0	65	
		Missed	0	1	-	-	0	0	0	0	1	
		%missed	0.0	2.2	-	-	0.0	0.0	0.0	0.0	1.5	
BI_2027	OS53	AD count	10	1165	1	-	289	114	4	26	1609	1 missed colonial taxa
		Missed	0	5	0	-	0	29	1	0	35	
		%missed	0.0	0.4	0.0	-	0.0	25.4	25.0	0.0	2.2	
	OS54	AD count	6	339	6	4	152	393	20	54	974	
		Missed	1	15	0	0	5	25	0	40	86	
		%missed	16.7	4.4	0.0	0.0	3.3	6.4	0.0	74.1	8.8	
	OS55	AD count	1	159	2	3	71	63	2	12	313	
		Missed	0	1	0	1	1	1	0	1	5	
		%missed	0.0	0.6	0.0	33.3	1.4	1.6	0.0	8.3	1.6	
BI_2029	OS53	AD count	9	289	-	-	5	172	2	15	492	2 missed colonial taxa
		Missed	1	5	-	-	0	4	0	1	11	
		%missed	11.1	1.7	-	-	0.0	2.3	0.0	6.7	2.2	
	OS54	AD count	10	292	-	-	7	134	7	11	461	
		Missed	0	2	-	-	0	2	0	0	4	
		%missed	0.0	0.7	-	-	0.0	1.5	0.0	0.0	0.9	
	OS55	AD count	-	8	-	-	-	8	8	-	24	
		Missed	-	0	-	-	-	0	0	-	0	
		%missed	-	0.0	-	-	-	0.0	0.0	-	0.0	
BI_2030	OS53	AD count	-	18	9	-	6	5	-	0	38	
		Missed	-	0	0	-	0	0	-	0	0	2 missed colonial taxa
		%missed	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	
	OS54	AD count	1	10	-	-	79	1	-	1	92	
		Missed	0	0	-	-	1	0	-	0	1	
		%missed	0.0	0.0	-	-	1.3	0.0	-	0.0	1.1	
	OS55	AD count	-	94	-	-	15	5	-	-	114	
		Missed	-	1	-	-	0	0	-	-	1	
		%missed	-	1.1	-	-	0.0	0.0	-	-	0.9	
BI_2031	OS53	AD count	-	8	-	-	8	3	1	-	20	
		Missed	-	0	-	-	0	0	0	-	0	
		%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0	
	OS54	AD count	-	13	-	-	1	8	21	-	43	
		Missed	-	0	-	-	0	0	0	-	0	
		%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0	
	OS55	AD count	-	25	-	-	2	20	14	0	61	
		Missed	-	0	-	-	0	0	0	0	0	
		%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0	
BI_2033	OS53	AD count	0	18	-	-	0	4	-	2	24	
		Missed	1	26	-	-	4	11	-	2	44	
		%missed	100.0	144.4	-	-	400.0	275.0	-	100.0	183.3	
	OS54	AD count	-	16	-	-	1	7	-	0	24	
		Missed	-	10	-	-	7	2	-	2	21	
		%missed	-	62.5	-	-	700.0	28.6	-	200.0	87.5	
	OS55	AD count	3	15	-	-	1	-	1	8	28	
		Missed	1	1	-	-	5	-	0	14	21	
		%missed	33.3	6.7	-	-	500.0	-	0.0	175.0	75.0	

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS53-55).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall
BI_2036	OS53	AD count	5	3	-	-	1	-	-	-	9
		Missed	0	0	-	-	0	-	-	-	0
		%missed	0.0	0.0	-	-	0.0	-	-	-	0.0
	OS54	AD count	-	10	-	-	6	-	-	-	16
		Missed	-	0	-	-	0	-	-	-	0
		%missed	-	0.0	-	-	0.0	-	-	-	0.0
	OS55	AD count	-	8	22	-	-	141	-	-	171
		Missed	-	0	0	-	-	0	-	-	0
		%missed	-	0.0	0.0	-	-	0.0	-	-	0.0
BI_2044	OS53	AD count	-	-	3	-	19	4	-	-	26
		Missed	-	-	0	-	0	0	-	-	0
		%missed	-	-	0.0	-	0.0	0.0	-	-	0.0
	OS54	AD count	-	49	42	-	35	296	-	4	426
		Missed	-	0	1	-	0	19	-	0	20
		%missed	-	0.0	2.4	-	0.0	6.4	-	0.0	4.7
	OS55	AD count	-	60	67	-	30	75	-	1	233
		Missed	-	0	0	-	0	1	-	0	1
		%missed	-	0.0	0.0	-	0.0	1.3	-	0.0	0.4
BI_2045	OS53	AD count	8	2655	169	-	209	278	5	288	3612
		Missed	0	123	2	-	1	22	2	13	163
		%missed	0.0	4.6	1.2	-	0.5	7.9	40.0	4.5	4.5
	OS54	AD count	15	2442	39	-	514	294	1	78	3383
		Missed	0	140	0	-	1	11	0	0	152
		%missed	0.0	5.7	0.0	-	0.2	3.7	0.0	0.0	4.5
	OS55	AD count	-	1	-	-	1	-	-	-	2
		Missed	-	0	-	-	0	-	-	-	0
		%missed	-	0.0	-	-	0.0	-	-	-	0.0
BI_2046	OS53	AD count	-	0	-	-	-	-	-	0	0
		Missed	-	1	-	-	-	-	-	0	1
		%missed	-	100.0	-	-	-	-	-	0.0	100.0
	OS54	AD count	6	44	145	-	2619	182	-	41	3037
		Missed	0	0	0	-	103	0	-	0	103
		%missed	0.0	0.0	0.0	-	3.9	0.0	-	0.0	3.4
	OS55	AD count	33	55	25	-	16	114	-	13	256
		Missed	0	2	0	-	28	3	-	0	33
		%missed	0.0	3.6	0.0	-	175.0	2.6	-	0.0	12.9
BI_2047	OS53	AD count	-	1	-	-	24	-	-	-	25
		Missed	-	0	-	-	0	-	-	-	0
		%missed	-	0.0	-	-	0.0	-	-	-	0.0
	OS54	AD count	-	7	-	-	1	1	-	0	9
		Missed	-	0	-	-	0	0	-	0	0
		%missed	-	0.0	-	-	0.0	0.0	-	0.0	0.0
	OS55	AD count	0	923	12	5	12	39	-	27	1018
		Missed	5	116	9	1	8	21	-	25	185
		%missed	500.0	12.6	75.0	20.0	66.7	53.8	-	92.6	18.2
BI_2048	OS53	AD count	-	697	40	-	-	9	-	151	897
		Missed	-	40	8	-	-	0	-	8	56
		%missed	-	5.7	20.0	-	-	0.0	-	5.3	6.2
	OS54	AD count	-	183	65	4	40	631	-	6	929
		Missed	-	7	1	0	0	41	-	0	49
		%missed	-	3.8	1.5	0.0	0.0	6.5	-	0.0	5.3
	OS55	AD count	12	4359	232	9	85	191	33	53	4974
		Missed	8	460	12	0	12	4	4	68	568
		%missed	66.7	10.6	5.2	0.0	14.1	2.1	12.1	128.3	11.4

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS53-55).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall
BI_2049	OS53	AD count	1	143	151	-	21	23	-	139	478
		Missed	0	4	4	-	1	0	-	11	20
		%missed	0.0	2.8	2.6	-	4.8	0.0	-	7.9	4.2
	OS54	AD count	-	290	13	-	5	7	-	169	484
		Missed	-	28	7	-	2	1	-	89	127
		%missed	-	9.7	53.8	-	40.0	14.3	-	52.7	26.2
	OS55	AD count	-	-	-	-	12	-	-	0	12
		Missed	-	-	-	-	0	-	-	0	0
		%missed	-	-	-	-	0.0	-	-	0.0	0.0
BI_2050	OS53	AD count	-	-	-	-	9	-	-	-	9
		Missed	-	-	-	-	0	-	-	-	0
		%missed	-	-	-	-	0.0	-	-	-	0.0
	OS54	AD count	-	137	47	-	1	-	-	13	198
		Missed	-	1	0	-	0	-	-	0	1
		%missed	-	0.7	0.0	-	0.0	-	-	0.0	0.5
	OS55	AD count	-	44	1	-	-	2	-	-	47
		Missed	-	1	1	-	-	1	-	-	3
		%missed	-	2.3	50.0	-	-	50.0	-	-	6.4
BI_2051	OS53	AD count	-	145	2	-	-	14	2	3	166
		Missed	-	1	0	-	-	0	0	0	1
		%missed	-	0.7	0.0	-	-	0.0	0.0	0.0	0.6
	OS54	AD count	-	866	593	-	1	32	-	21	1513
		Missed	-	0	0	-	0	0	-	0	0
		%missed	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0
	OS55	AD count	-	618	654	-	82	334	-	590	2278
		Missed	-	0	0	-	0	4	-	0	4
		%missed	-	0.0	0.0	-	0.0	1.2	-	0.0	0.2
BI_2052	OS53	AD count	-	728	16	-	-	404	-	1324	2472
		Missed	-	0	0	-	-	0	-	0	0
		%missed	-	0.0	0.0	-	-	0.0	-	0.0	0.0
	OS54	AD count	4	1224	36	-	-	488	-	2545	4297
		Missed	0	0	0	-	-	0	-	0	0
		%missed	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0
	OS55	AD count	-	3	1	-	2	-	-	1	7
		Missed	-	0	0	-	0	-	-	0	0
		%missed	-	0.0	0.0	-	0.0	-	-	0.0	0.0
BI_2054	OS53	AD count	-	5	-	-	1	2	-	0	8
		Missed	-	0	-	-	0	0	-	0	0
		%missed	-	0.0	-	-	0.0	0.0	-	0.0	0.0
	OS54	AD count	1	255	-	-	5	1	9	4	275
		Missed	0	4	-	-	0	0	0	0	4
		%missed	0.0	1.6	-	-	0.0	0.0	0.0	0.0	1.5
	OS55	AD count	1	117	-	-	9	45	3	-	175
		Missed	0	0	-	-	0	0	0	-	0
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0
BI_2056	OS53	AD count	2	26	-	-	1	57	30	3	119
		Missed	0	0	-	-	0	0	0	0	0
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
	OS54	AD count	-	47	-	-	-	13	5	4	69
		Missed	-	1	-	-	-	2	0	0	3
		%missed	-	2.1	-	-	-	15.4	0.0	0.0	4.3
	OS55	AD count	-	20	-	-	1	47	170	8	246
		Missed	-	0	-	-	0	2	2	0	4
		%missed	-	0.0	-	-	0.0	4.3	1.2	0.0	1.6

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS53-55).

LabCode			Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Mollusca	Echinodermata	Other	Overall
BI_2058	OS53	AD count	-	12	4	-	8	14	-	0	38
		Missed	-	2	0	-	0	0	-	2	4
		%missed	-	16.7	0.0	-	0.0	0.0	-	200.0	10.5
	OS54	AD count	-	6	-	-	-	-	-	-	6
		Missed	-	0	-	-	-	-	-	-	0
		%missed	-	0.0	-	-	-	-	-	-	0.0
	OS55	AD count	-	28	7	-	-	-	-	0	35
		Missed	-	0	1	-	-	-	-	1	2
		%missed	-	0.0	14.3	-	-	-	-	100.0	5.7
BI_2059	OS53	AD count	1	14	-	-	1	4	6	0	26
		Missed	0	0	-	-	0	0	0	1	1
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	100.0	3.8
	OS54	AD count	1	1	-	-	-	-	-	-	2
		Missed	0	0	-	-	-	-	-	-	0
		%missed	0.0	0.0	-	-	-	-	-	-	0.0
	OS55	AD count	-	5	-	-	4	3	-	0	12
		Missed	-	1	-	-	0	0	-	1	2
		%missed	-	20.0	-	-	0.0	0.0	-	100.0	16.7
BI_2060	OS53	AD count	5	159	-	-	23	38	160	12	397
		Missed	0	0	-	-	0	0	0	0	0
		%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
	OS54	AD count	2	262	-	-	41	76	123	29	533
		Missed	0	1	-	-	0	0	1	0	2
		%missed	0.0	0.4	-	-	0.0	0.0	0.8	0.0	0.4
	OS55	AD count	5	285	-	-	22	41	96	21	470
		Missed	0	0	-	-	0	2	0	0	2
		%missed	0.0	0.0	-	-	0.0	4.9	0.0	0.0	0.4
BI_2071	OS53	AD count	-	102	-	1	16	7	-	-	126
		Missed	-	5	-	0	0	4	-	2	11
		%missed	-	4.9	-	0.0	0.0	57.1	-	200.0	8.7
	OS54	AD count	0	26	-	-	12	8	2	3	51
		Missed	1	12	-	-	0	4	0	2	19
		%missed	100.0	46.2	-	-	0.0	50.0	0.0	66.7	37.3
	OS55	AD count	-	23	-	-	8	4	1	0	36
		Missed	-	23	-	-	1	2	0	2	28
		%missed	-	100.0	-	-	12.5	50.0	0.0	200.0	77.8

Key: AD - Audit data

"-" - No data.

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS53 - 55) (erroneous identifications in brackets).

		Taxonomic	Major Taxonomic Group					
LabCode	OS	Errors	Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_2001	OS53	0	-	-	-	-	-	-
	OS54	5	*Leitoscoloplos mammosus (Scoloplos armiger*) *Streblospio* sp. *(Pygospio elegans*)	*Tubificoides benedii* (*Tubificoides pseudogaster* (agg.)) -	-	*Nucula nucleus (Nucula nitidosa*) *Ensis sp.* (juv) (*Pharidae* spp. juv.)	-	-
	OS55	2	-	*Tubificoides benedii* (*Tubificoides pseudogaster* (agg.))	-	*Peringia ulvae* (Cochliopidae sp. indet.)	-	-
BI_2002	OS53	1	-	-	Mysidae (*Schistomysis*)	-	-	-
	OS54	1	-	-	Mysidae (*Schistomysis*)	-	-	-
	OS55	1	-	-	Mysidae (*Schistomysis*)	-	-	-
BI_2004	OS53	3	*Aphelochaeta* sp. (Type 1) (*Tharyx killariensis*)	-	*Siphonoecetes striatus* (Aoridae)	*Parvicardium minimum* (*Thyasira flexuosa*)	-	-
	OS54	2	Fabriciidae (Sabellidae (juv.))	-	-	*Adontorhina similis* (*Lucinoma borealis*)	-	-
	OS55	8	*Pholoe baltica* (sensu Petersen) (*Pholoe assimilis*) *Spiophanes kroyeri* / *Prionospio cirrifera* (*Laonice* (juv.))	-	*Astacilla dilatata* (*Arcturella*) *Philocheras bispinosus* (*Crangon allmanni*)	*Thyasira equalis / Axinulus croulinensis* (*Thyasira flexuosa*)	*Amphiura chiajei* (*Amphiura filiformis*) *Pseudothyone raphanus* (*Leptopentacta elongata*)	*Phascolion strombus* (Golfingiidae (juv))
BI_2005	OS53	1	*Pectinaria auricoma* (*Lagis koreni*)	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	2	*Lumbrineris aniara/cingulata* (*Hilbigneris gracilis*) *Laonome kroyeri* (*Potamilla neglecta*)	-	-	-	-	-
BI_2007	OS53	1	-	-	*Nebalia reboredae* (*Nebalia bipes*)	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	0	-	-	-	-	-	-
BI_2008	OS53	3	*Pholoe baltica* (sensu Petersen) (*Pholoe inornata*) *Lumbrineris aniara/cingulata* (*Lumbrineris gracilis*)	-	*Microjassa cumbrensis* (*Ischyrocerus anguipes*)	-	-	-
	OS54	3	*Goniadella gracilis* (*Goniadella bobretzkii*) *Lumbrineris aniara/cingulata* (*Lumbrineris gracilis*) *Laonice sarsi* (*Laonice bahusiensis*)	-	-	-	-	-
	OS55	3	*Lumbrineris aniara/cingulata* (*Lumbrineris gracilis*) *Heteromastus filiformis* (*Mediomastus fragilis*)	-	-	*Parvicardium minimum* (*Acanthocardia* juvs)	-	-
BI_2009	OS53	2	-	-	-	*Pusillina inconspicua* (*Crisilla semistriata*) *Corbula gibba* (*Thracia* sp. juv.)	-	-
	OS54	3	-	*Tubificoides pseudogaster* (agg.) (*Tubificoides benedii*)	*Nebalia reboredae* (*Nebalia herbstii*)	*Abra alba* (*Abra nitida* juv.)	-	-
	OS55	0	-	-	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS53 - 55) (erroneous identifications in brackets).

		Taxonomic	Major Taxonomic Group					
LabCode	OS	Errors	Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_2016	OS53	4	*Streptosyllis campoyi* (*Streptosyllis bidentata*) *Prosphaerosyllis* sp. (*Exogone naidina*) Ampharetidae (juv.) / *Octobranchus* (juv.) (Terebellidae (juv.))	-	-	-	-	*Achelia* juv. (*Anoplodactylus petiolatus*)
	OS54	5	*Sphaerosyllis taylori* (*Sphaerosyllis bulbosa*) *Streblospio* sp. (Enchytraeidae)	*Tubificoides pseudogaster* (agg) (*Tubificoides amplivasatus*)	-	*Scrobicularia plana* (juv) (*Abra tenuis*) *Petricolaria pholadiformis* (juv) (*Tapes philippinarum* (juv))	-	-
	OS55	0	-	-	-	-	-	-
BI_2017	OS53	2	*Lumbrineris aniara/cingulata* (*Hilbigneris gracilis*)	-	-	*Abra nitida* (*Abra prismatica*)	-	-
	OS54	1	*Lumbrineris aniara/cingulata* (*Hilbigneris gracilis*)	-	-	-	-	-
	OS55	2	*Lumbrineris aniara/cingulata* (*Lumbrineris gracilis*)	-	-	-	-	Turbellaria (*Helminthes* sp.)
BI_2019	OS53	2	-	-	-	*Abra nitida* (*Abra prismatica*)	*Echinocyamus pusillus* (*Echinocardium* sp. juv.)	-
	OS54	1	-	-	*Bathyporeia tenuipes* (*Bathyporeia elegans*)	-	-	-
	OS55	2	*Phyllodoce groenlandica* (*Anaitides mucosa*)	-	-	*Abra alba* (*Mactra stultorum*)	-	-
BI_2021	OS53	0	-	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	2	-	-	-	*Abra nitida* (*Mysella bidentata*) *Abra nitida* (*Abra alba*)	-	-
BI_2023	OS53	2	*Spio symphyta* (*Spio filicornis*)	-	-	*Gari costulata (Gari tellinella)*	-	-
	OS54	2	*Spio symphyta* (*Spio filicornis*)	-	-	*Gari costulata (Gari tellinella)*	-	-
	OS55	1	*Spio symphyta* (*Spio filicornis*)	-	-	-	-	-
BI_2026	OS53	1	*Chaetozone setosa* (*Chaetozone zetlandica*)	-	-	-	-	-
	OS54	1	*Chaetozone setosa* (*Chaetozone zetlandica*)	-	-	-	-	-
	OS55	0	-	-	-	-	-	-
BI_2027	OS53	6	*Eteone longa* (agg.) (*Pseudomystides limbata*) *Phyllodoce mucosa* (*Phyllodoce groenlandica*) *Eumida sanguinea* (agg.) (*Eumida bahusiensis*) *Parougia eliasoni* (*Protodorvillea kefersteini*) *Spio decoratus* (*Spio filicornis* (agg))	-	*Nototropis guttatus* (*Nototropis vedlomensis*)	-	-	-
	OS54	7	*Malmgrenia andreapolis* (*Malmgrenia arenicolae*) *Fimbriosthenelais minor* (?) (*Sthenelais boa*) *Eumida sanguinea* (agg.) (*Eumida bahusiensis*) *Pista bansei* (*Pista cristata* sensu Jirkov)	-	*Ampelisca diadema* (*Ampelisca tenuicornis*)	*Odostomia acuta* (*Megastomia conoidea*)	-	*Polycarpa pomaria* (*Dendrodoa grossularia*)
	OS55	6	*Procerea* (*Myrianida*) *Procerea* (epitoke) (*Myrianida* (epitoke)) *Nephtys caeca* (*Nephtys hombergii*) *Ampharete lindstroemi* (*Melinna palmata*)	-	*Ampelisca brevicornis* (*Ampelisca tenuicornis*)	*Odostomia acuta* (*Odostomia turrita*)	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS53 - 55) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_2029	OS53	11	*Pholoe inornata* (sensu Petersen) (*Pholoe baltica* (sensu Petersen)) *Streptosyllis bidentata* (*Ehlersia cornuta*) *Lumbrineris aniara/cingulata* (*Lumbrineris gracilis*) *Scoloplos armiger* (*Leitoscoloplos mammosus*) *Spio symphyta / Spio goniocephala* (*Spio decorata*)	-	-	*Abra alba* (*Thyasira flexuosa*) *Timoclea ovata* (*Parvicardium pinnatulum*)	-	*Phoroni* s sp. (*Galathowenia oculata*) *Phoronis* sp. (*Owenia* sp.) *Phascolion strombus* (*Turritella communis*) *Dendrodoa grossularia* (*Styela*)
	OS54	7	*Lumbrineris aniara/cingulata* (*Lumbrineris gracilis*) *Parougia eliasoni* (*Protodorvillea kefersteini*) *Scoloplos armiger* (*Leitoscoloplos mammosus*) *Prionospio cirrifera* (*Laonice bahusiensis*) *Magelona minuta* (*Magelona filiformis*)	-	-	*Abra alba* (*Kurtiella bidentata*) *Abra nitida* (*Abra alba*)	-	-
	OS55	0	-	-	-	-	-	-
BI_2030	OS53	0	-	-	-	-	-	-
	OS54	1	-	-	*Bathyporeia pilosa* (*Bathyporeia sarsi*)	-	-	-
	OS55	1	*Hediste diversicolor* (*Nereis*)	-	-	-	-	-
BI_2031	OS53	0	-	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	1	-	-	-	-	-	*Lovenella clausa* (*Phialella quadrata*)
BI_2033	OS53	2	*Glycera tridactyla / Scoloplos armiger / Tharyx* "Type A" (*Glycera alba*)	-	-	-	-	TURBELLARIA (NEMERTEA)
	OS54	1	*Eumida bahusiensis* (*Eumida sanguinea*)	-	-	-	-	-
	OS55	1	*Maxmulleria lankesteri* (Nemertea indet.)	-	-	-	-	-
BI_2036	OS53	0	-	-	-	-	-	-
	OS54	1	*Spio goniocephala* (*Spio armata*)	-	-	-	-	-
	OS55	1	*Pygospio elegans* (*Spio martinensis*)	-	-	-	-	-
BI_2044	OS53	0	-	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	0	-	-	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS53 - 55) (erroneous identifications in brackets).

		Taxonomic	Major Taxonomic Group					
LabCode	OS	Errors	Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_2045	OS53	14	*Harmothoe spinifera* (*Harmothoe imbricata*) *Pseudomystides limbata* (*Eumida sanguinea*) *Parapionosyllis macaronesiensis* (*Parapionosyllis brevicirra* ?) *Opisthodonta longocirrata* (*Nudisyllis divaricata* ?) *Brania clavata* / *Brania pusilla* (*Erinaceusyllis erinaceus*) *Lumbrineris coccinea* (*Lumbrineris aniara/cingulata*) *Parougia eliasoni* (*Protodorvillea kefersteini*) *Pseudopolydora pulchra* (*Dipolydora coeca* agg.) *Capitella* / *Heteromastus filiformis* / *Notomastus* (*Mediomastus fragilis*) *Parasabella* (*Sabella pavonina*) *Spirobranchus lamarcki* / *Spirobranchus* (*Spirobranchus triqueter*)	*Tubificoides insularis* (*Tubificoides galiciensis*)	*Microdeutopus versiculatus* / *Microdeutopus anomalus* (Aoridae female)	*Pododesmus patelliformis* (*Heteranomia squamula*)	-	-
	OS54	7	*Harmothoe spinifera* (*Harmothoe imbricata*) *Brania limbata* (*Parapionosyllis brevicirra* ?) *Exogone naidina* (epitoke) (*Parexogone hebes* (epitoke)) *Exogone naidina* / *Erinaceusyllis erinaceus* (*Sphaerosyllis taylori*) *Parougia eliasoni* (*Ophryotrocha*)	-	*Iphimedia nexa* (*Iphimedia minuta*) *Microdeutopus versiculatus* (*Monocorophium acherusicum*)	-	-	-
	OS55	0	-	-	-	-	-	-
BI_2046	OS53	0	-	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	1	*Ophelia rathkei* (*Ophelia bicornis*)	-	-	-	-	-
BI_2047	OS53	1	*Nephtys cirrosa* (*Nephtys longosetosa*)	-	-	-	-	-
	OS54	1	*Nephtys cirrosa* (*Nephtys longosetosa*)	-	-	-	-	-
	OS55	8	*Syllis columbretensis* (*Syllidia armata*) *Prosphaerosyllis tetralix* (*Prosphaerosyllis campoyi*) *Platynereis dumerilii* (*Eunereis longissima*) *Tharyx* "Type A" (*Aphelochaeta marioni*) *Aphelochaeta marioni* (*Tharyx* "Type A") *Melinna elisabethae* (*Melinna palmata*) *Sabella pavonina* (*Bispira volutacornis*)	-	-	*Ruditapes philippinarum* (juv.) / *Venerupis corrugata* (juv.) (*Tapes* (juv.))	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS53 - 55) (erroneous identifications in brackets).

		Taxonomic	Major Taxonomic Group					
LabCode	OS	Errors	Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_2048	OS53	5	*Tharyx* "Type A" (*Chaetozone zetlandica*) *Aphelochaeta marioni* (*Tharyx* "Type A")	*Tubificoides pseudogaster* (agg.) (*Tubificoides amplivasatus*)	-	-	-	*Anguinella palmata* (*Nolella* sp.) *Electra monostachys* (*Conopeum reticulum*)
	OS54	5	*Prosphaerosyllis tetralix* (*Prosphaerosyllis campoyi*) *Prosphaerosyllis tetralix* (epitoke)(*Prosphaerosyllis campoyi* (epitoke)) *Polydora cornuta* (*Polydora ciliata* (agg.)) *Aphelochaeta marioni* (*Tharyx* "Type A")	*Tubificoides pseudogaster* (agg.) (*Tubificoides amplivasatus*)	-	-	-	-
	OS55	18	*Prosphaerosyllis tetralix* (*Prosphaerosyllis campoyi*) *Sphaerosyllis taylori* (*Sphaerosyllis hystrix*) *Platynereis dumerilii* (*Hediste diversicolor*) *Cirriformia* sp. (juv.) / *Chaetozone gibber* / *Chaetozone zetlandica* / *Protocirrineris* sp.(*Aphelochaeta marioni*) *Chaetozone zetlandica* (*Chaetozone gibber*) *Aphelochaeta marioni* (*Protocirrineris* sp.) *Aphelochaeta marioni* (*Tharyx* "Type A") *Heteromastus filiformis* (*Mediomastus fragilis*) *Pherusa plumosa* (*Pherusa flabellata*) *Hydroides ezoensis* (*Spirobranchus lamarcki*)	*Tubificoides amplivasatus* (*Aphelochaeta marioni*) *Tubificoides swirencoides* (*Tubificoides galiciensis*)	*Leptochelia savignyi* (*Heterotanais oerstedi*) *Philocheras fasciatus* (*Crangon crangon*)	*Gibbula cineraria* (*Gibbula umbilicalis*) *Lacuna vincta* (*Lacuna crassior* (juv.)) *Nucula nucleus* (*Nucula nitidosa*)	-	Gigartinales (Ceramiales) *Ascidiella aspersa* (*Ascidia*)
BI_2049	OS53	3	*Prosphaerosyllis tetralix* (epitoke) (*Sphaerosyllis taylori* (epitoke)) *Aphelochaeta marioni* (*Tharyx* "Type A")	-	-	*Abra alba* / *Saxicavella jeffreysi* (*Abra nitida*)	-	-
	OS54	3	*Cossura pygodactylata* (*Streblospio*) *Tharyx* "Type A" (*Aphelochaeta marioni*)	-	-	*Ruditapes philippinarum* (juv.) (*Tapes* (juv.))	-	-
	OS55	0	-	-	-	-	-	-
BI_2050	OS53	0	-	-	-	-	-	-
	OS54	4	*Nephtys hombergii* / *Nephtys caeca* (*Nephtys longosetosa*) *Tharyx* "Type A" (*Aphelochaeta marioni*) *Aphelochaeta marioni* (*Tharyx* "Type A")	-	-	-	-	*Electra monostachys* / *Callopora dumerilii* / *Alcyonidium albescens* ? (*Conopeum reticulum*)
	OS55	1	Arenicolidae juv (Capitellidae "Type A")	-	-	-	-	-
BI_2051	OS53	0	-	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	0	-	-	-	-	-	-
BI_2052	OS53	0	-	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	0	-	-	-	-	-	-
BI_2054	OS53	0	-	-	-	-	-	-
	OS54	0	-	-	-	-	-	-
	OS55	0	-	-	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS53 - 55) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_2056	OS53	13	*Euclymene lombricoides* / *Clymenella cincta* (*Euclymene droebachiensis*) *Glycera rouxii* (*Glycera tridactyla*) *Lumbrineris aniara/cingulata* (*Lumbrineris fragilis*) *Pholoe baltica* (sensu Petersen) (*Pholoe inornata*) *Sthenelais limicola* (*Sthenelais boa*) *Euclymene lombricoides* (*Terebellides stroemi*)	-	*Abludomelita obtusata* (*Cheirocratus sundevalli*)	*Lucinoma borealis* (juv) (*Chamelea gallina*) *Chamelea striatula* (*Clausinella fasciata*) *Dosinia lupinus* (*Dosinia exoleta*) *Thracia convexa* (*Mya truncata*) *Nucula nitidosa* (*Nucula sulcata*)	-	*Golfingia vulgaris* (*Thysanocardia procera*)
	OS54	5	*Caulleriella alata* / *Chaetozone gibber* / *Tharyx killariensis* (*Cauleriella zetlandica*) *Chaetozone zetlandica* (*Cirratulus cirratus*) *Euclymene lombricoides* (*Euclymene droebachiensis*) *Lumbrineris aniara/cingulata* / *Scoloplos armiger* (*Lumbrineris fragilis*) *Nephtys hombergii* (*Nephtys cirrosa*)	-	-	-	-	-
	OS55	6	*Pholoe baltica* (sensu Petersen) (*Pholoe inornata*) *Oxydromus flexuosus* (*Podarkeopsis capensis*)	-	-	*Nucula sulcata* (*Nucula nitidosa*) *Tellina tellinella* (*Tellimya ferruginosa*)	*Amphiura chiajei* (juv.) (*Amphiura filiformis*)	*Nephasoma minutum* (*Golfingia* (juv.))
BI_2058	OS53	0	-	-	-	-	-	-
	OS54	1	*Aphelochaeta marioni* (*Tharyx* "Type A")	-	-	-	-	-
	OS55	0	-	-	-	-	-	-
BI_2059	OS53	4	*Eumida sanguinea* (agg.) (*Sige fusigera*)	-	-	-	-	Porifera (Sycon ciliatum) *Sertularia* sp. (*Sertularella* sp.) *Lovenella clausa* (Campanulariidae)
	OS54	0	-	-	-	-	-	-
	OS55	1	*Protocirrineris* sp. (*Aphelochaeta* "Type A")	-	-	-	-	-
BI_2060	OS53	3	-	-	*Pontocrates* sp. "Type A" (*Synchelidium* "Type A") *Harpinia laevis* (*Harpinia crenulata*)	-	-	NEMERTEA (ENTEROPNEUSTA "Type B")
	OS54	3	-	-	*Pontocrates* sp. "Type A" (*Synchelidium* "Type A") *Tryphosites longipes* (*Hippomedon denticulatus*)	*Acteon tornatilis* (*Diaphana minuta*)	-	-
	OS55	1	-	-	*Pontocrates* sp. "Type A" (*Synchelidium* "Type A")	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS53 - 55) (erroneous identifications in brackets).

		Taxonomic	Major Taxonomic Group					
LabCode	OS	Errors	Polychaeta	Oligochaeta	Crustacea	Mollusca	Echinodermata	Other
BI_2071	OS53	13	*Ampharete* sp. / *Pterolysippe vanelli* (*Ampharete acutifrons*) *Tharyx* sp. (*Aphelochaeta marioni*) *Chaetozone* sp. (*Chaetozone setosa*) *Pseudomystides limbata* (*Eteone* sp.) *Glycera alba* / *Glycera unicornis* (*Glycera capitata*) *Levinsenia* cf. *flava* / *Levinsenia* cf. *kantauriensis* (*Levinsenia gracilis*) *Marphysa* cf. *cinari* (*Marphysa bellii*) *Paradiopatra* cf. *bihanica (Nothria conchylega)*	-	*Ampelisca jaffaensis* / *Ampelisca massiliensis* (*Ampelisca* cf. *ledoyeri*) *Akanthophoreus gracilis* / *Collettea cylindrata* (*Leptochelia savignyi*)	*Vitreolina incurva* (*Melanella polita* (juv.)) *Ennucula aegeensis* (*Nucula nitidosa*)	-	*Paranymphon spinosum* (*Nymphon gracile*)
	OS54	9	*Ampharete* sp. / *Anobothrus* sp. (*Ampharete acutifrons*) *Glycera unicornis* (*Glycera capitata*) *Levinsenia* cf. *flava* (*Levinsenia gracilis*) *Nephtys incisa* (*Nephtys hombergii*) *Paradiopatra* cf. *bihanica* (*Nothria conchylega*) *Sternaspis thalassemoides* (*Sternaspis scutata*)	-	*Ampelisca tenuicornis* / *Ampelisca typica* (*Ampelisca* cf. *ledoyeri*) *Araphura brevimanus* (*Leptochelia savignyi*)	*Ennucula aegeensis* / *Nucula nucleus* (*Nucula nitidosa*)	-	-
	OS55	5	*Ampharete* sp. / *Anobothrus* sp. (*Ampharete acutifrons*) *Levinsenia* cf. *kantauriensis* (*Levinsenia gracilis*) *Marphysa* cf. *cinari* (*Marphysa bellii*) *Paradiopatra* cf. *bihanica (Nothria conchylega)*	-	*Collettea cylindrata* (*Leptochelia savignyi*)	-	-	-

TOTAL	250	143	8	30	43	4	22
% Error		57	3	12	17	2	9

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 OS53-OS55.

		Sample OS53								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
BI_2001	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2002	OD	-	0.02833	0.00016	-	0.00734	-	0.12657	-	0.16240
	AD	-	0.01960	0.00010	-	0.00540	-	0.11860	-	0.14370
	%diff.	-	30.82	38.27	-	26.43	-	6.29	-	11.51
BI_2004	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2005	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2007	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2008	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2009	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2016	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2017	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2019	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2021	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2023	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2026	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2027	OD	0.0862	5.0519	0.0001	-	0.2781	1.3740	0.4649	0.5069	7.7621
	AD	0.0645	4.3956	0.0001	-	0.1935	1.2793	0.4521	0.4426	6.8277
	%diff.	25.2	13.0	0.0	-	30.4	6.9	2.8	12.7	12.0
BI_2029	OD	0.0041	2.4423	-	-	0.0393	0.0019	6.4968	0.1162	9.1006
	AD	0.0026	2.1741	-	-	0.0012	0.0016	9.3603	0.1220	11.6618
	%diff.	36.6	11.0	-	-	96.9	15.8	-44.1	-5.0	-28.1
BI_2030	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2031	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2033	OD	0.0016	0.0632	-	-	-	-	2.4815	0.0000	2.5463
	AD	0.0000	0.0627	-	-	-	-	2.5053	0.0015	2.5695
	%diff.	100.0	0.8	-	-	-	-	-1.0	-100.0	-0.9
BI_2036	OD	0.0001	0.0163	-	-	0.0001	-	-	-	0.0165
	AD	0.0001	0.0076	-	-	0.0001	-	-	-	0.0078
	%diff.	0.0	53.4	-	-	0.0	-	-	-	52.7
BI_2044	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2045	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2046	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

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 OS53-OS55.

		Sample OS53								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
BI_2047	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2048	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2049	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2050	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2051	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2052	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2054	OD	-	0.0314	-	-	0.5306	-	0.1622	0.0062	0.7304
	AD	-	0.0231	-	-	0.7351	-	0.1086	0.0086	0.8754
	%diff.	-	26.4	-	-	-38.5	-	33.0	-38.7	-19.9
BI_2056	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2058	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2059	OD	0.0005	0.3898	-	-	0.0002	0.1632	0.2715	-	0.8252
	AD	0.0001	0.3407	-	-	0.0001	0.1548	0.2356	-	0.7313
	%diff.	80.0	12.6	-	-	50.0	5.1	13.2	-	11.4
BI_2060	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2071	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

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 OS53-OS55.

		Sample OS54								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
BI_2001	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2002	OD	-	-	0.00162	-	0.00323	-	0.32539	0.00578	0.33602
	AD	-	-	0.00060	-	0.00100	-	0.28130	0.00290	0.28580
	%diff.	-	-	62.96	-	69.04	-	13.55	49.83	14.95
BI_2004	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2005	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2007	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2008	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2009	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2016	OD	0.0004	0.0577	0.0152	-	-	-	0.0554	0.0186	0.1473
	AD	0.0001	0.0390	0.0097	-	-	-	0.0469	0.0120	0.1077
	%diff.	75.0	32.4	36.2	-	-	-	15.3	35.5	26.9
BI_2017	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2019	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2021	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2023	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2026	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2027	OD	0.0090	4.3973	0.0018	0.0063	0.1040	17.4454	13.4441	0.4759	35.8838
	AD	0.0079	3.9371	0.0011	0.0046	0.0913	14.5927	13.3663	0.4465	32.4475
	%diff.	12.2	10.5	38.9	27.0	12.2	16.4	0.6	6.2	9.6
BI_2029	OD	0.4245	8.6876	-	-	0.0010	4.6820	35.5267	1.0429	50.3647
	AD	0.3628	8.1021	-	-	0.0012	1.9602	5.2478	0.8631	16.5372
	%diff.	14.5	6.7	-	-	-20.0	58.1	85.2	17.2	67.2
BI_2030	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2031	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2033	OD	-	40.7349	-	-	0.2500	-	742.0000	-	782.9849
	AD	-	0.6124	-	-	0.0001	-	4.0031	-	4.6156
	%diff.	-	98.5	-	-	100.0	-	99.5	-	99.4
BI_2036	OD	-	0.2135	-	-	0.0162	-	-	-	0.2297
	AD	-	0.1808	-	-	0.0158	-	-	-	0.1966
	%diff.	-	15.3	-	-	2.5	-	-	-	14.4
BI_2044	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2045	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2046	OD	-	-	-	-	-	-	-	-	0.0000
	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	-

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 OS53-OS55.

		Sample OS54								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
BI_2047	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2048	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2049	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2050	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2051	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2052	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2054	OD	0.0001	0.2762	-	-	0.0016	0.0155	0.0087	0.0349	0.3370
	AD	0.0001	0.3055	-	-	0.0014	0.0164	0.0090	0.0270	0.3594
	%diff.	0.0	-10.6	-	-	12.5	-5.8	-3.4	22.6	-6.6
BI_2056	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2058	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2059	OD	0.0006	0.0103	-	-	-	-	-	-	0.0109
	AD	0.0004	0.0106	-	-	-	-	-	-	0.0110
	%diff.	33.3	-2.9	-	-	-	-	-	-	-0.9
BI_2060	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2071	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

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 OS53-OS55.

Sample OS55

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
BI_2001	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2002	OD	-	1.25892	-	-	0.00161	-	159.07227	-	160.33280
	AD	-	0.71890	-	-	0.00060	-	149.33060	-	150.05010
	%diff.	-	42.9	-	-	62.7	-	6.1	-	6.4
BI_2004	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2005	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2007	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2008	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2009	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2016	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2017	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2019	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2021	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2023	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2026	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2027	OD	0.0066	0.7456	0.0005	0.0002	0.0419	0.2748	2.5151	0.0001	3.5848
	AD	0.0059	0.7286	0.0006	0.0002	0.0407	0.2759	2.6760	0.0003	3.7282
	%diff.	10.6	2.3	-20.0	0.0	2.9	-0.4	-6.4	-200.0	-4.0
BI_2029	OD	-	0.6094	-	-	-	0.2203	0.0203	-	0.8500
	AD	-	0.6311	-	-	-	0.2273	0.0236	-	0.8820
	%diff.	-	-3.6	-	-	-	-3.2	-16.3	-	-3.8
BI_2030	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2031	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2033	OD	0.0948	0.2104	-	-	0.0073	46.3100	-	0.0154	46.6379
	AD	0.0157	0.2284	-	-	0.0093	25.1121	-	0.0910	25.4565
	%diff.	83.4	-8.6	-	-	-27.4	45.8	-	-490.9	45.4
BI_2036	OD	-	0.2413	0.0128	-	-	-	12.5207	-	12.7748
	AD	-	0.2415	0.0082	-	-	-	10.5802	-	10.8299
	%diff.	-	-0.1	35.9	-	-	-	15.5	-	15.2
BI_2044	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2045	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2046	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

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 OS53-OS55.

		Sample OS55								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
BI_2047	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2048	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2049	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2050	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2051	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2052	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2054	OD	0.0001	0.3664	-	-	0.0555	0.1293	0.6731	0.3857	1.6101
	AD	0.0001	1.0102	-	-	0.1205	0.0727	0.6696	0.0000	1.8731
	%diff.	0.0	-175.7	-	-	-117.1	43.8	0.5	100.0	-16.3
BI_2056	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2058	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2059	OD	-	0.0539	-	-	0.0163	-	2.5754	-	2.6456
	AD	-	0.0490	-	-	0.0158	-	2.4961	-	2.5609
	%diff.	-	9.1	-	-	3.1	-	3.1	-	3.2
BI_2060	OD	-	-	-	-	-	-	-	-	0.0000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
BI_2071	OD	-	-	-	-	-	-	-	-	0.00000
	AD	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

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 2013/14.

		Number of samples		
Scheme Year	**Exercise**	**Pass (>90% BCSI)**	**Fail (<90% BCSI)**	**% Pass**
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
	Total	**1012**	**208**	**83**

* - Own Samples selected from completed data matrices, i.e. 'blind audits'

BCSI - Bray Curtis Similarity Index (untransformed)