



The National Marine Biological
Analytical Quality Control Scheme

Own Sample Module
Summary Report
OS41, 42 & 43

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MODULE / EXERCISE DETAILS

Module: Own Sample (OS)

Exercises: OS41, OS42 & OS43

Targeted CSEMP Samples: 2008

Data/Sample Request Circulated – 31/07/2009

Sample Submission Deadline – 27/11/2009

Number of Subscribing Laboratories – 33

Number of Own Samples Received – 93

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Table 1. Results from the analysis of Own Samples (OS41 to OS43) supplied by the participating laboratories and re-analysis by Unicomarine Ltd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
LabCode	PL	Number of Taxa UM	Diff (n)	%max	PL	Number of Individuals UM	Diff (n)	%max	NewTaxa	Not extracted Ind	%ind	Count Error	Similarity index	Taxonomic Errors	Note
LB1601 OS41	101	102	-1	1.0	2870	2906	-36	1.2	1	54	1.9	18	98.65	0	External audit (21/12/10)
LB1601 OS42	11	11	0	0.0	1239	1233	6	0.5	0	3	0.2	9	99.27	0	External audit (21/12/10)
LB1601 OS43	53	53	0	0.0	220	220	0	0.0	0	0	0.0	0	100.00	0	External audit (21/12/10)
LB1602 OS41	7	7	0	0.0	17	17	0	0.0	0	0	0.0	0	100.00	0	-
LB1602 OS42	7	7	0	0.0	17	17	0	0.0	0	0	0.0	0	100.00	0	-
LB1602 OS43	14	15	-1	6.7	34	34	0	0.0	1	0	0.0	0	98.63	0	-
LB1603 OS41	40	40	0	0.0	141	140	1	0.7	0	0	0.0	1	99.64	0	No biomass data
LB1603 OS42	46	47	-1	2.1	175	181	-6	3.3	1	7	3.9	1	97.75	1	No biomass data
LB1603 OS43	15	15	0	0.0	53	53	0	0.0	0	0	0.0	0	92.45	2	No biomass data
LB1604 OS41	25	26	-1	3.8	131	134	-3	2.2	2	3	2.2	0	76.98	4	Biomass to 5 d.p.; Remedial action completed 02/08/10.
LB1604 OS42	19	19	0	0.0	257	255	2	0.8	0	0	0.0	2	99.22	1	Biomass to 5 d.p.
LB1604 OS43	21	22	-1	4.5	78	84	-6	7.1	1	6	7.1	0	92.03	3	Biomass to 5 d.p.
LB1605 OS41	8	7	1	12.5	9	8	1	11.1	0	0	0.0	1	47.06	3	Remedial action completed 17/07/10.
LB1605 OS42	13	14	-1	7.1	22	23	-1	4.3	0	1	4.3	0	88.89	2	Remedial action completed 31/08/10.
LB1605 OS43	4	4	0	0.0	5	5	0	0.0	0	0	0.0	0	100.00	0	-
LB1606 OS41	48	49	-1	2.0	248	248	0	0.0	1	1	0.4	1	99.60	0	No biomass data
LB1606 OS42	53	54	-1	1.9	396	395	1	0.3	1	1	0.3	2	99.62	0	No biomass data
LB1606 OS43	32	32	0	0.0	93	93	0	0.0	0	0	0.0	0	98.93	1	No biomass data
LB1607 OS41	43	46	-3	6.5	366	375	-9	2.4	2	12	3.2	3	96.11	2	No biomass data
LB1607 OS42	11	12	-1	8.3	639	717	-78	10.9	0	53	7.4	-25	80.71	2	No biomass data; Remedial action completed 01/06/10.
LB1607 OS43	22	22	0	0.0	90	88	2	2.2	0	0	0.0	2	94.51	1	No biomass data
LB1608 OS41	12	12	0	0.0	31	31	0	0.0	0	0	0.0	0	96.77	1	No biomass data
LB1608 OS42	32	33	-1	3.0	60	64	-4	6.3	1	4	6.3	0	77.52	7	No biomass data; Remedial action completed 18/10/10.
LB1608 OS43	42	44	-2	4.5	176	175	1	0.6	0	4	2.3	5	94.05	4	No biomass data; Interim results reviewed 25/08/10
LB1609 OS41	3	3	0	0.0	9	9	0	0.0	0	0	0.0	0	100.00	0	No biomass data
LB1609 OS42	11	12	-1	8.3	64	64	0	0.0	0	0	0.0	0	95.31	1	No biomass data
LB1609 OS43	3	4	-1	25.0	4	5	-1	20.0	1	1	20.0	0	88.89	0	No biomass data; Remedial action completed 12/10/09.
LB1610 OS41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1610 OS42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1610 OS43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1611 OS41	3	3	0	0.0	3	3	0	0.0	0	0	0.0	0	100.00	0	External audit (21/12/10)
LB1611 OS42	11	11	0	0.0	50	46	4	8.0	0	0	0.0	4	95.83	0	External audit (21/12/10)
LB1611 OS43	2	2	0	0.0	2	2	0	0.0	0	0	0.0	0	100.00	0	External audit (21/12/10)
LB1612 OS41	15	15	0	0.0	190	190	0	0.0	0	0	0.0	0	99.48	0	External audit (21/12/10)
LB1612 OS42	15	15	0	0.0	766	761	5	0.7	0	0	0.0	5	99.67	0	External audit (21/12/10)
LB1612 OS43	29	29	0	0.0	142	142	0	0.0	0	0	0.0	0	100.00	0	External audit (21/12/10)
LB1613 OS41	16	16	0	0.0	587	588	-1	0.2	0	0	0.0	-1	99.58	0	External audit (21/12/10)
LB1613 OS42	17	17	0	0.0	682	676	6	0.9	0	1	0.1	7	99.27	0	External audit (21/12/10)
LB1613 OS43	39	40	-1	2.5	721	724	-3	0.4	1	1	0.1	-2	99.79	0	External audit (21/12/10)
LB1614 OS41	15	15	0	0.0	273	267	6	2.2	0	0	0.0	6	98.89	0	External audit (21/12/10)
LB1614 OS42	21	21	0	0.0	105	106	-1	0.9	0	1	0.9	0	99.55	0	External audit (21/12/10); no biomass data
LB1614 OS43	20	20	0	0.0	747	712	35	4.7	0	0	0.0	35	97.60	0	External audit (21/12/10); no biomass data
LB1615 OS41	2	2	0	0.0	4	4	0	0.0	0	0	0.0	0	100.00	0	External audit (21/12/10); no biomass data
LB1615 OS42	5	6	-1	16.7	14	17	-3	17.6	1	3	17.6	0	90.32	0	No biomass data
LB1615 OS43	5	5	0	0.0	21	21	0	0.0	0	0	0.0	0	100.00	0	-
LB1616 OS41	11	11	0	0.0	68	68	0	0.0	0	0	0.0	0	94.12	2	-
LB1616 OS42	15	15	0	0.0	110	108	2	1.8	0	0	0.0	2	98.17	1	-
LB1616 OS43	0	0	0	0.0	0	0	0	0.0	0	0	0.0	0	100.00	0	No biomass data; abiotic sample
LB1617 OS41	6	6	0	0.0	20	20	0	0.0	0	0	0.0	0	100.00	0	No biomass data
LB1617 OS42	66	75	-9	12.0	1761	1818	-57	3.1	7	57	3.1	0	97.96	4	-
LB1617 OS43	18	19	-1	5.3	46	46	0	0.0	0	0	0.0	0	78.00	2	Remedial action recommended.
LB1618 OS41	3	3	0	0.0	19	19	0	0.0	0	0	0.0	0	100.00	0	-
LB1618 OS42	7	8	-1	12.5	18	18	0	0.0	1	1	5.6	1	94.44	0	-
LB1618 OS43	3	3	0	0.0	4	4	0	0.0	0	0	0.0	0	100.00	0	-
LB1619 OS41	10	10	0	0.0	267	273	-6	2.2	1	6	2.2	0	98.71	0	-
LB1619 OS42	11	11	0	0.0	86	90	-4	4.4	0	4	4.4	0	97.73	0	No biomass data
LB1619 OS43	30	30	0	0.0	299	290	9	3.0	0	0	0.0	9	91.68	1	No biomass data

Table 1. Results from the analysis of Own Samples (OS41 to OS43) supplied by the participating laboratories and re-analysis by Unicomarine Ltd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
LabCode	PL	Number of Taxa			Number of Individuals				NewTaxa	Not extracted		Count Error	Similarity index	Taxonomic Errors	Note
		UM	Diff (n)	%max	PL	UM	Diff (n)	%max		Ind	%ind				
LB1620 OS41	29	28	1	3.4	62	61	1	1.6	0	0	0.0	1	95.94	2	-
LB1620 OS42	46	46	0	0.0	94	93	1	1.1	0	0	0.0	1	92.15	4	-
LB1620 OS43	46	47	-1	2.1	105	105	0	0.0	0	1	1.0	1	93.95	2	-
LB1621 OS41	35	34	1	2.9	71	70	1	1.4	0	0	0.0	1	96.55	1	No biomass data
LB1621 OS42	9	9	0	0.0	8	8	0	0.0	0	0	0.0	0	100	0	No biomass data
LB1621 OS43	28	30	-2	6.7	69	71	-2	2.8	1	1	1.4	-1	95.78	1	No biomass data
LB1622 OS41	29	29	0	0.0	237	246	-9	3.7	1	8	3.3	-1	95.65	2	-
LB1622 OS42	50	51	-1	2.0	146	150	-4	2.7	0	3	2.0	-1	98.67	0	-
LB1622 OS43	20	21	-1	4.8	26	29	-3	10.3	0	2	6.9	-1	93.55	0	-
LB1624 OS41	12	12	0	0.0	54	54	0	0.0	0	0	0.0	0	100.00	0	No biomass data
LB1624 OS42	38	40	-2	5.0	160	164	-4	2.4	1	3	1.8	-1	97.53	1	No biomass data
LB1624 OS43	36	36	0	0.0	298	298	0	0.0	0	2	0.7	2	92.95	1	No biomass data
LB1625 OS41	33	38	-5	13.2	133	132	1	0.8	0	0	0.0	1	77.74	10	No biomass data; Remedial action completed 04/11/10.
LB1625 OS42	29	38	-9	23.7	59	78	-19	24.4	7	21	26.9	2	52.56	8	No biomass data; Remedial action recommended.
LB1625 OS43	28	43	-15	34.9	79	109	-30	27.5	15	38	34.9	8	50.00	10	No biomass data; Remedial action recommended.
LB1626 OS41	13	13	0	0.0	23	23	0	0.0	0	0	0.0	0	86.96	2	No biomass data; Remedial action completed 09/06/10.
LB1626 OS42	5	5	0	0.0	545	541	4	0.7	0	0	0.0	4	99.45	0	No biomass data
LB1626 OS43	3	3	0	0.0	4	4	0	0.0	0	0	0.0	0	100	0	No biomass data
LB1627 OS41	32	41	-9	22.0	78	106	-28	26.4	8	27	25.5	-1	80.21	3	No biomass data; Remedial action recommended.
LB1627 OS42	37	42	-5	11.9	84	93	-9	9.7	4	12	12.9	3	92.74	1	No biomass data
LB1627 OS43	30	30	0	0.0	61	78	-17	21.8	0	17	21.8	0	87.94	0	No biomass data; Remedial action recommended.
LB1628 OS41	24	25	-1	4.0	53	54	-1	1.9	1	1	1.9	0	99.07	0	No biomass data
LB1628 OS42	9	9	0	0.0	43	43	0	0.0	0	0	0.0	0	100.00	0	No biomass data
LB1628 OS43	42	44	-2	4.5	104	106	-2	1.9	2	2	1.9	0	98.10	1	No biomass data
LB1629 OS41	32	31	1	3.1	96	93	3	3.1	0	3	3.2	6	84.66	3	No biomass data; Remedial action completed 04/03/10.
LB1629 OS42	29	30	-1	3.3	200	202	-2	1.0	1	3	1.5	1	93.53	5	No biomass data
LB1629 OS43	17	20	-3	15.0	181	189	-8	4.2	2	4	2.1	-4	97.30	1	No biomass data
LB1630 OS41	31	33	-2	6.1	221	225	-4	1.8	2	4	1.8	0	96.86	3	No biomass data; audit reviewed 09/09/10
LB1630 OS42	27	28	-1	3.6	158	189	-31	16.4	2	28	14.8	-3	90.49	0	No biomass data
LB1630 OS43	26	26	0	0.0	84	89	-5	5.6	0	5	5.6	0	97.11	0	No biomass data
LB1631 OS41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1631 OS42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1631 OS43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1632 OS41	16	14	2	12.5	76	79	-3	3.8	0	4	5.1	1	87.74	3	Remedial action completed 11/10/10.
LB1632 OS42	11	11	0	0.0	48	50	-2	4.0	0	1	2.0	-1	89.80	3	Remedial action completed 11/10/10.
LB1632 OS43	23	22	1	4.3	129	122	7	5.4	0	1	0.8	8	94.82	2	-
LB1633 OS41	22	25	-3	12.0	161	185	-24	13.0	1	24	13.0	0	86.13	4	Remedial action recommended.
LB1633 OS42	24	24	0	0.0	84	89	-5	5.6	0	4	4.5	-1	94.80	1	-
LB1633 OS43	26	29	-3	10.3	221	255	-34	13.3	2	51	20.0	17	89.50	5	Remedial action recommended.
LB1634 OS41	22	23	-1	4.3	89	90	-1	1.1	0	1	1.1	0	94.97	2	No biomass data
LB1634 OS42	14	15	-1	6.7	29	30	-1	3.3	0	0	0.0	-1	94.92	3	No biomass data
LB1634 OS43	12	12	0	0.0	189	188	1	0.5	0	0	0.0	1	98.67	0	Biomass to 5 d.p.

Key: PL - participating laboratory
 UM - Unicomarine Ltd.
 "-" - No data.

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS41-43).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1601	AE count	4	1134	-	2	754	41	900	71	2906
OS41	UM missed	0	1	-	0	0	0	53	0	54
	%missed	0.0	0.1	-	0.0	0.0	0.0	5.9	0.0	1.9
LB1601	AE count	-	419	662	-	150	-	2	-	1233
OS42	UM missed	-	0	3	-	0	-	0	-	3
	%missed	-	0.0	0.5	-	0.0	-	0.0	-	0.2
LB1601	AE count	5	42	9	2	19	52	90	1	220
OS43	UM missed	0	0	0	0	0	0	0	0	0
	%missed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LB1602	UM count	-	13	-	-	-	-	4	-	17
OS41	PL missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1602	UM count	-	5	6	-	-	-	6	-	17
OS42	PL missed	-	0	0	-	-	-	0	-	0
	%missed	-	0.0	0.0	-	-	-	0.0	-	0.0
LB1602	UM count	-	16	1	-	9	8	-	-	34
OS43	PL missed	-	0	0	-	0	0	-	-	0
	%missed	-	0.0	0.0	-	0.0	0.0	-	-	0.0
LB1603	UM count	6	86	-	-	18	16	9	5	140
OS41	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1603	UM count	7	55	-	-	30	14	66	9	181
OS42	PL missed	0	1	-	-	0	0	6	0	7
	%missed	0.0	1.8	-	-	0.0	0.0	9.1	0.0	3.9
LB1603	UM count	2	14	-	-	19	3	15	-	53
OS43	PL missed	0	0	-	-	0	0	0	-	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1604	UM count	1	74	-	-	9	-	49	1	134
OS41	PL missed	0	1	-	-	0	-	2	0	3
	%missed	0.0	1.4	-	-	0.0	-	4.1	0.0	2.2
LB1604	UM count	2	14	-	-	5	226	7	1	255
OS42	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1604	UM count	-	45	-	-	19	1	14	5	84
OS43	PL missed	-	1	-	-	0	0	0	5	6
	%missed	-	2.2	-	-	0.0	0.0	0.0	100.0	7.1
LB1605	UM count	-	3	-	-	3	-	2	-	8
OS41	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1605	UM count	-	8	-	-	1	-	14	-	23
OS42	PL missed	-	0	-	-	0	-	1	-	1
	%missed	-	0.0	-	-	0.0	-	7.1	-	4.3
LB1605	UM count	-	1	-	-	-	2	2	-	5
OS43	PL missed	-	0	-	-	-	0	0	-	0
	%missed	-	0.0	-	-	-	0.0	0.0	-	0.0
LB1606	UM count	2	122	-	1	10	3	104	6	248
OS41	PL missed	0	0	-	0	0	0	0	1	1
	%missed	0.0	0.0	-	0.0	0.0	0.0	0.0	16.7	0.4
LB1606	UM count	2	130	-	-	43	4	216	-	395
OS42	PL missed	0	1	-	-	0	0	0	-	1
	%missed	0.0	0.8	-	-	0.0	0.0	0.0	-	0.3

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS41-43).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1606	UM count	3	65	-	-	15	1	8	1	93
OS43	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1607	UM count	8	250	27	-	19	1	24	46	375
OS41	PL missed	1	7	0	-	1	0	1	2	12
	%missed	12.5	2.8	0.0	-	5.3	0.0	4.2	4.3	3.2
LB1607	UM count	-	253	372	-	75	-	2	15	717
OS42	PL missed	-	3	12	-	38	-	0	0	53
	%missed	-	1.2	3.2	-	50.7	-	0.0	0.0	7.4
LB1607	UM count	5	54	-	-	20	2	7	-	88
OS43	PL missed	0	0	-	-	0	0	0	-	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1608	UM count	2	15	-	-	1	-	13	-	31
OS41	PL missed	0	0	-	-	0	-	0	-	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	-	0.0
LB1608	UM count	-	22	-	-	6	17	19	-	64
OS42	PL missed	-	4	-	-	0	0	0	-	4
	%missed	-	18.2	-	-	0.0	0.0	0.0	-	6.3
LB1608	UM count	1	67	-	-	17	31	49	10	175
OS43	PL missed	0	2	-	-	0	0	2	0	4
	%missed	0.0	3.0	-	-	0.0	0.0	4.1	0.0	2.3
LB1609	UM count	-	1	-	-	-	-	8	-	9
OS41	PL missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1609	UM count	1	25	1	-	4	-	33	-	64
OS42	PL missed	0	0	0	-	0	-	0	-	0
	%missed	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0
LB1609	UM count	-	1	3	-	-	-	1	-	5
OS43	PL missed	-	0	0	-	-	-	1	-	1
	%missed	-	0.0	0.0	-	-	-	100.0	-	20.0
LB1610	UM count	-	-	-	-	-	-	-	-	0
OS41	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1610	UM count	-	-	-	-	-	-	-	-	0
OS42	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1610	UM count	-	-	-	-	-	-	-	-	0
OS43	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1611	AE count	-	3	-	-	-	-	-	-	3
OS41	UM missed	-	0	-	-	-	-	-	-	0
	%missed	-	0.0	-	-	-	-	-	-	0.0
LB1611	AE count	-	-	-	-	1	-	1	-	2
OS42	UM missed	-	-	-	-	0	-	0	-	0
	%missed	-	-	-	-	0.0	-	0.0	-	0.0
LB1611	AE count	-	42	-	-	3	-	1	-	46
OS43	UM missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1612	AE count	-	35	80	-	61	-	4	10	190
OS41	UM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1612	AE count	4	354	296	-	-	-	28	79	761
OS42	UM missed	0	0	0	-	-	-	0	0	0
	%missed	0.0	0.0	0.0	-	-	-	0.0	0.0	0.0

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS41-43).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1612	AE count	-	23	-	-	2	36	80	1	142
OS43	UM missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1613	AE count	-	425	117	-	1	-	42	3	588
OS41	UM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1613	AE count	-	77	295	-	3	-	3	298	676
OS42	UM missed	-	0	1	-	0	-	0	0	1
	%missed	-	0.0	0.3	-	0.0	-	0.0	0.0	0.1
LB1613	AE count	10	102	-	-	3	295	309	5	724
OS43	UM missed	0	1	-	-	0	0	0	0	1
	%missed	0.0	1.0	-	-	0.0	0.0	0.0	0.0	0.1
LB1614	AE count	-	85	133	-	-	-	4	45	267
OS41	UM missed	-	0	0	-	-	-	0	0	0
	%missed	-	0.0	0.0	-	-	-	0.0	0.0	0.0
LB1614	AE count	-	-	-	-	105	-	-	-	105
OS42	UM missed	-	-	-	-	1	-	-	-	1
	%missed	-	-	-	-	1.0	-	-	-	1.0
LB1614	AE count	-	130	279	-	3	-	293	7	712
OS43	UM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1615	AE count	-	1	-	-	-	-	3	-	4
OS41	UM missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1615	UM count	-	13	3	-	1	-	-	-	17
OS42	PL missed	-	0	3	-	0	-	-	-	3
	%missed	-	0.0	100.0	-	0.0	-	-	-	17.6
LB1615	UM count	-	-	17	-	4	-	-	-	21
OS43	PL missed	-	-	0	-	0	-	-	-	0
	%missed	-	-	0.0	-	0.0	-	-	-	0.0
LB1616	UM count	-	22	-	-	5	1	40	-	68
OS41	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1616	UM count	-	87	8	-	11	-	2	-	108
OS42	PL missed	-	0	0	-	0	-	0	-	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	-	0.0
LB1616	UM count	-	-	-	-	-	-	-	-	0
OS43	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1617	UM count	-	-	13	-	7	-	-	-	20
OS41	PL missed	-	-	0	-	0	-	-	-	0
	%missed	-	-	0.0	-	0.0	-	-	-	0.0
LB1617	UM count	-	1624	20	6	100	7	60	1	1818
OS42	PL missed	-	37	0	0	5	1	13	1	57
	%missed	-	2.3	0.0	0.0	5.0	14.3	21.7	100.0	3.1
LB1617	UM count	-	6	-	-	8	-	18	14	46
OS43	PL missed	-	0	-	-	0	-	0	0	0
	%missed	-	0.0	-	-	0.0	-	0.0	0.0	0.0
LB1618	UM count	-	1	16	-	2	-	-	-	19
OS41	PL missed	-	0	0	-	0	-	-	-	0
	%missed	-	0.0	0.0	-	0.0	-	-	-	0.0
LB1618	UM count	-	9	6	-	2	-	1	-	18
OS42	PL missed	-	0	0	-	0	-	1	-	1
	%missed	-	0.0	0.0	-	0.0	-	100.0	-	5.6

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS41-43).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1618	UM count	-	-	4	-	-	-	-	-	4
OS43	PL missed	-	-	0	-	-	-	-	-	0
	%missed	-	-	0.0	-	-	-	-	-	0.0
LB1619	UM count	-	114	-	-	-	-	159	-	273
OS41	PL missed	-	0	-	-	-	-	6	-	6
	%missed	-	0.0	-	-	-	-	3.8	-	2.2
LB1619	UM count	-	29	19	-	22	-	3	17	90
OS42	PL missed	-	1	0	-	0	-	0	3	4
	%missed	-	3.4	0.0	-	0.0	-	0.0	17.6	4.4
LB1619	UM count	-	47	-	-	153	3	84	3	290
OS43	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1620	UM count	2	27	-	-	12	5	15	-	61
OS41	PL missed	0	0	-	-	0	0	0	-	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1620	UM count	-	36	-	-	13	21	17	6	93
OS42	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1620	UM count	1	69	-	-	10	7	15	3	105
OS43	PL missed	0	0	-	-	0	0	1	0	1
	%missed	0.0	0.0	-	-	0.0	0.0	6.7	0.0	1.0
LB1621	UM count	2	18	-	1	22	6	19	2	70
OS41	PL missed	0	0	-	0	0	0	0	0	0
	%missed	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0
LB1621	UM count	-	1	-	-	3	2	2	-	8
OS42	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1621	UM count	3	20	-	-	18	4	25	1	71
OS43	PL missed	0	0	-	-	0	0	1	0	1
	%missed	0.0	0.0	-	-	0.0	0.0	4.0	0.0	1.4
LB1622	UM count	-	120	98	1	14	-	9	4	246
OS41	PL missed	-	1	1	0	0	-	4	2	8
	%missed	-	0.8	1.0	0.0	0.0	-	44.4	50.0	3.3
LB1622	UM count	1	111	1	1	12	1	20	3	150
OS42	PL missed	0	2	0	0	0	0	1	0	3
	%missed	0.0	1.8	0.0	0.0	0.0	0.0	5.0	0.0	2.0
LB1622	UM count	-	21	-	-	3	-	-	5	29
OS43	PL missed	-	2	-	-	0	-	-	0	2
	%missed	-	9.5	-	-	0.0	-	-	0.0	6.9
LB1624	UM count	-	17	-	-	10	-	27	-	54
OS41	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1624	UM count	3	111	1	-	27	2	15	5	164
OS42	PL missed	1	2	0	-	0	0	0	0	3
	%missed	33.3	1.8	0.0	-	0.0	0.0	0.0	0.0	1.8
LB1624	UM count	3	125	1	-	87	2	47	33	298
OS43	PL missed	0	0	0	-	1	0	1	0	2
	%missed	0.0	0.0	0.0	-	1.1	0.0	2.1	0.0	0.7
LB1625	UM count	1	111	-	-	6	-	14	-	132
OS41	PL missed	0	0	-	-	0	-	0	-	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	-	0.0
LB1625	UM count	3	33	-	-	2	7	25	8	78
OS42	PL missed	0	1	-	-	0	0	20	0	21
	%missed	0.0	3.0	-	-	0.0	0.0	80.0	0.0	26.9

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS41-43).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1625	UM count	1	28	2	-	7	3	61	7	109
OS43	PL missed	0	8	1	-	1	2	23	3	38
	%missed	0.0	28.6	50.0	-	14.3	66.7	37.7	42.9	34.9
LB1626	UM count	1	14	-	-	-	1	7	-	23
OS41	PL missed	0	0	-	-	-	0	0	-	0
	%missed	0.0	0.0	-	-	-	0.0	0.0	-	0.0
LB1626	UM count	-	541	-	-	-	-	-	-	541
OS42	PL missed	-	0	-	-	-	-	-	-	0
	%missed	-	0.0	-	-	-	-	-	-	0.0
LB1626	UM count	-	4	-	-	-	-	-	-	4
OS43	PL missed	-	0	-	-	-	-	-	-	0
	%missed	-	0.0	-	-	-	-	-	-	0.0
LB1627	UM count	-	44	-	-	15	6	38	3	106
OS41	PL missed	-	11	-	-	0	1	14	1	27
	%missed	-	25.0	-	-	0.0	16.7	36.8	33.3	25.5
LB1627	UM count	2	40	-	-	11	13	26	1	93
OS42	PL missed	0	5	-	-	1	1	5	0	12
	%missed	0.0	12.5	-	-	9.1	7.7	19.2	0.0	12.9
LB1627	UM count	2	27	-	-	11	17	18	3	78
OS43	PL missed	0	4	-	-	0	8	5	0	17
	%missed	0.0	14.8	-	-	0.0	47.1	27.8	0.0	21.8
LB1628	UM count	-	25	-	-	3	1	25	-	54
OS41	PL missed	-	0	-	-	0	0	1	-	1
	%missed	-	0.0	-	-	0.0	0.0	4.0	-	1.9
LB1628	UM count	1	20	-	-	-	-	21	1	43
OS42	PL missed	0	0	-	-	-	-	0	0	0
	%missed	0.0	0.0	-	-	-	-	0.0	0.0	0.0
LB1628	UM count	-	50	-	1	14	8	30	3	106
OS43	PL missed	-	1	-	0	0	0	1	0	2
	%missed	-	2.0	-	0.0	0.0	0.0	3.3	0.0	1.9
LB1629	UM count	6	46	-	-	10	1	15	15	93
OS41	PL missed	0	1	-	-	1	0	0	1	3
	%missed	0.0	2.2	-	-	10.0	0.0	0.0	6.7	3.2
LB1629	UM count	36	76	-	-	1	3	80	6	202
OS42	PL missed	0	0	-	-	0	0	3	0	3
	%missed	0.0	0.0	-	-	0.0	0.0	3.8	0.0	1.5
LB1629	UM count	62	51	-	-	2	-	60	14	189
OS43	PL missed	0	2	-	-	2	-	0	0	4
	%missed	0.0	3.9	-	-	100.0	-	0.0	0.0	2.1
LB1630	UM count	14	126	-	-	2	1	80	2	225
OS41	PL missed	0	3	-	-	0	0	1	0	4
	%missed	0.0	2.4	-	-	0.0	0.0	1.3	0.0	1.8
LB1630	UM count	11	166	-	-	2	2	6	2	189
OS42	PL missed	1	24	-	-	1	0	2	0	28
	%missed	9.1	14.5	-	-	50.0	0.0	33.3	0.0	14.8
LB1630	UM count	5	53	4	-	-	3	24	-	89
OS43	PL missed	0	2	0	-	-	0	3	-	5
	%missed	0.0	3.8	0.0	-	-	0.0	12.5	-	5.6
LB1631	UM count	-	-	-	-	-	-	-	-	0
OS41	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1631	UM count	-	-	-	-	-	-	-	-	0
OS42	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS41-43).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1631	UM count	-	-	-	-	-	-	-	-	0
OS43	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1632	UM count	3	39	-	-	11	11	4	11	79
OS41	PL missed	0	2	-	-	0	0	0	2	4
	%missed	0.0	5.1	-	-	0.0	0.0	0.0	18.2	5.1
LB1632	UM count	11	32	-	-	3	3	1	-	50
OS42	PL missed	0	1	-	-	0	0	0	-	1
	%missed	0.0	3.1	-	-	0.0	0.0	0.0	-	2.0
LB1632	UM count	-	86	-	-	16	4	15	1	122
OS43	PL missed	-	0	-	-	0	1	0	0	1
	%missed	-	0.0	-	-	0.0	25.0	0.0	0.0	0.8
LB1633	UM count	2	53	-	-	103	2	25	-	185
OS41	PL missed	1	9	-	-	6	0	8	-	24
	%missed	50.0	17.0	-	-	5.8	0.0	32.0	-	13.0
LB1633	UM count	1	33	-	-	23	18	14	-	89
OS42	PL missed	0	0	-	-	1	1	2	-	4
	%missed	0.0	0.0	-	-	4.3	5.6	14.3	-	4.5
LB1633	UM count	1	42	-	-	27	8	20	157	255
OS43	PL missed	0	8	-	-	2	1	11	29	51
	%missed	0.0	19.0	-	-	7.4	12.5	55.0	18.5	20.0
LB1634	UM count	-	35	-	-	23	1	31	-	90
OS41	PL missed	-	0	-	-	1	0	0	-	1
	%missed	-	0.0	-	-	4.3	0.0	0.0	-	1.1
LB1634	UM count	-	2	-	-	7	2	19	-	30
OS42	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1634	UM count	-	125	9	-	5	-	49	-	188
OS43	PL missed	-	0	0	-	0	-	0	-	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	-	0.0

Key: PL - participating laboratory

UM - Unicomarine Ltd.

AE- Aquatic Environments (External Auditor)

"-" - No data.

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS41 - 43) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1601	OS41	0	-	-	-	-	-	-
LB1601	OS42	0	-	-	-	-	-	-
LB1601	OS43	0	-	-	-	-	-	-
LB1602	OS41	0	-	-	-	-	-	-
LB1602	OS42	0	-	-	-	-	-	-
LB1602	OS43	0	-	-	-	-	-	-
LB1603	OS41	0	-	-	-	-	-	-
LB1603	OS42	1	<i>Chaetozone christiei</i> (C. setosa)	-	-	-	-	-
LB1603	OS43	2	<i>Chaetozone christiei</i> (C. setosa)	-	-	<i>Crangon allmanni</i> (<i>Phlocheras trispinosus</i>)	-	-
LB1604	OS41	4	<i>Spiophanes kroyeri</i> (S. bombyx) <i>Tharyx killariensis</i> (<i>Aphelochaeta marioni</i>) <i>Anobothrus gracilis</i> (<i>Ampharete finnarchica</i>)	-	<i>Abra nitida</i> (A. alba)	-	-	-
LB1604	OS42	1	-	-	-	<i>Harpinia antennaria</i> (H. pectinata)	-	-
LB1604	OS43	3	<i>Tharyx killariensis</i> (<i>Aphelochaeta marioni</i>) <i>Ampharete falcata</i> (A. finnarchica)	-	-	<i>Harpinia antennaria</i> (H. pectinata) <i>Harpinia crenulata</i> (H. antennaria)	-	-
LB1605	OS41	3	<i>Mediomastus fragilis</i> (<i>Notomastus latericeus</i>) <i>Ampharete lindstroemi</i> (A. finnarchica)	-	<i>Nucula sulcata</i> (N. nitidosa)	-	-	-
LB1605	OS42	2	<i>Chaetozone setosa</i> (C. christiei)	-	<i>Ennucula tenuis</i> (<i>Nucula nitidosa</i>)	-	-	-
LB1605	OS43	0	-	-	-	-	-	-
LB1606	OS41	0	-	-	-	-	-	-
LB1606	OS42	0	-	-	-	-	-	-
LB1606	OS43	1	<i>Anatides mucosa</i> (A. maculata)	-	-	-	-	-
LB1607	OS41	2	<i>Schistomerings neglecta</i> (<i>Protodorvillea keferstein</i>) <i>Chaetozone zetlandica</i> / C. cf. christiei (<i>Cauleriella alata</i>)	-	-	-	-	-
LB1607	OS42	2	-	<i>Paranis litoralis</i> (<i>Heteochaeta costata</i>) <i>Heterochaeta costata</i> (<i>Tubificoides pseudogaster</i> agg.)	-	-	-	-
LB1607	OS43	1	-	-	-	<i>Bathyporeia elegans</i> (B. tenuipes)	-	-
LB1608	OS41	1	-	-	<i>Asimulus croulinensis</i> (<i>Thyasira flexuosa</i>)	-	-	-
LB1608	OS42	7	<i>Lanice conchilega</i> (<i>Ampharetidae</i>) <i>Lanice conchilega</i> (<i>Phoronis</i>)	-	<i>Nucula nitidosa</i> (N. nucleus) <i>Abra nitida</i> (<i>Fabulina fabula</i>) <i>Cochlodesma praetense</i> juv. (<i>Thracia phaseolina</i>)	-	<i>Acrocnida brachiata</i> (<i>Amphura filiformis</i>) <i>Acrocnida brachiata</i> (<i>Ophiuridae</i>)	-
LB1608	OS43	4	<i>Harmothoe glabra</i> (H. impar) <i>Nephtys hombergii</i> (N. assimilis) <i>Heteromastus filiformis</i> (<i>Mediomastus fragilis</i>)	-	<i>Nucula nitidosa</i> (N. nucleus)	-	-	-
LB1609	OS41	0	-	-	-	-	-	-
LB1609	OS42	1	<i>Nephtys assimilis</i> (N. hombergii)	-	-	-	-	-
LB1609	OS43	0	-	-	-	-	-	-
LB1610	OS41	-	-	-	-	-	-	-
LB1610	OS42	-	-	-	-	-	-	-
LB1610	OS43	-	-	-	-	-	-	-
LB1611	OS41	0	-	-	-	-	-	-
LB1611	OS42	0	-	-	-	-	-	-
LB1611	OS43	0	-	-	-	-	-	-
LB1612	OS41	0	-	-	-	-	-	-
LB1612	OS42	0	-	-	-	-	-	-
LB1612	OS43	0	-	-	-	-	-	-
LB1613	OS41	0	-	-	-	-	-	-
LB1613	OS42	0	-	-	-	-	-	-
LB1613	OS43	0	-	-	-	-	-	-
LB1614	OS41	0	-	-	-	-	-	-
LB1614	OS42	0	-	-	-	-	-	-
LB1614	OS43	0	-	-	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS41 - 43) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1615	OS41	0	-	-	-	-	-	-
LB1615	OS42	0	-	-	-	-	-	-
LB1615	OS43	0	-	-	-	-	-	-
LB1616	OS41	2	<i>Ampharete baltica</i> (<i>A. acutifrons</i>)	-	<i>Abra nitida</i> (<i>A. alba</i>)	-	-	-
LB1616	OS42	1	<i>Pygospio elegans</i> (<i>Streptosio shruhsolii</i>)	-	-	-	-	-
LB1616	OS43	0	-	-	-	-	-	-
LB1617	OS41	0	-	-	-	-	-	-
LB1617	OS42	4	<i>Sphaerosyllis tetralex</i> (<i>S. taylori</i>) <i>Neanthes fucata</i> (<i>Platynereis dumerilii</i>)	-	<i>Abra nitida</i> (<i>A. alba</i>)	<i>Anapogarus tyndmanni</i> (<i>Pogarus bernhardus</i>)	-	-
LB1617	OS43	2	-	-	<i>Abra alba</i> / <i>A. prismatica</i> (<i>Scrobicularia plana</i>)	<i>Sarsineballa</i> sp. (Copepoda)	-	-
LB1618	OS41	0	-	-	-	-	-	-
LB1618	OS42	0	-	-	-	-	-	-
LB1618	OS43	0	-	-	-	-	-	-
LB1619	OS41	0	-	-	-	-	-	-
LB1619	OS42	0	-	-	-	-	-	-
LB1619	OS43	1	-	-	-	<i>Pontocrates arcticus</i> #1 (<i>P. arenarius</i>)	-	-
LB1620	OS41	2	<i>Glycera roulei</i> (<i>G. unicornis</i>)	-	<i>Tellmya ferruginosa</i> (<i>Mendicula ferruginea</i>)	-	-	-
LB1620	OS42	4	-	-	<i>Arctica islandica</i> juv. (<i>Fridonia elliptica</i>) <i>Parvicardium minus</i> (<i>Acanthocardia</i> spp. juv.)	<i>Ampelisca tenuicornis</i> (<i>A. diadema</i>)	Amphiridae juv. (Ophiuridae sp. juv.)	-
LB1620	OS43	2	-	-	<i>Parvicardium scabrum</i> (<i>Acanthocardia</i> spp. juv.)	<i>Ampelisca tenuicornis</i> (<i>A. diadema</i>)	-	-
LB1621	OS41	1	<i>Spio filicornis</i> (<i>S. decorata</i>)	-	-	-	-	-
LB1621	OS42	0	-	-	-	-	-	-
LB1621	OS43	1	<i>Spio filicornis</i> (<i>S. decorata</i>)	-	-	-	-	-
LB1622	OS41	2	<i>Magelona minuta</i> / <i>M. johnstoni</i> ? (<i>M. filiformis</i>)	-	-	-	<i>Bathyporeia elegans</i> (<i>B. pelagica</i>)	-
LB1622	OS42	0	-	-	-	-	-	-
LB1622	OS43	0	-	-	-	-	-	-
LB1624	OS41	0	-	-	-	-	-	-
LB1624	OS42	1	<i>Glycera tridactyla</i> (<i>G. lapidum</i> agg.)	-	-	-	-	-
LB1624	OS43	1	-	-	-	<i>Pontocrates arcticus</i> #1 (<i>P. arenarius</i>)	-	-
LB1625	OS41	10	<i>Exogone verugeta</i> (<i>E. hebes</i>) <i>Nephtys kersivalensis</i> / <i>N. caeca</i> (<i>N. hombergii</i>) <i>Aricidea minuta</i> (<i>Paradoneis lyra</i>) <i>Tharyx killariensis</i> (<i>Caulerielia</i> sp.) <i>Chone filicaudata</i> (<i>Jasmineira caudata</i>)	-	<i>Parvicardium scabrum</i> (<i>P. ovale</i>) <i>Spisula solida</i> (<i>S. subtruncata</i>) <i>Abra nitida</i> (<i>A. alba</i>)	<i>Ampelisca tenuicornis</i> (<i>A. typica</i>) <i>Pariambus typicus</i> (<i>Caprella</i> sp.)	-	-
LB1625	OS42	8	<i>Monticellina</i> sp. (<i>Caulerielia zetlandica</i>) <i>Spiophanes kroyeri</i> (<i>Laonice cirrata</i>) <i>Lumbrineris gracilis</i> (<i>L. fragilis</i>) <i>Magelona minuta</i> (<i>M. alleni</i>)	-	-	<i>Ampelisca tenuicornis</i> (<i>A. brevicornis</i>) <i>Harpinia crenulata</i> (<i>H. antennaria</i>)	<i>Leptosynapta bergensis</i> (<i>L. inhaerens</i>)	<i>Thysanocardia procerca</i> (<i>Golfingia margaritacea</i>)
LB1625	OS43	10	<i>Chaetozone setosa</i> / <i>C. zetlandica</i> (<i>C. gibber</i>) <i>Cirratulus caudatus</i> (<i>Cirriformia tentaculata</i>) <i>Malmgreniella andreaeopolis</i> (<i>Harmothoe impar</i>) <i>Nephtys hombergii</i> (<i>N. caeca</i>)	-	<i>Abra nitida</i> (<i>A. alba</i>) <i>Abra alba</i> (<i>A. nitida</i>) <i>Falcidens crossotus</i> (<i>Chaetoderma nitidulum</i>) <i>Cochlodesma praetenu</i> (<i>Thracia phaseolina</i>)	<i>Ampelisca tenuicornis</i> (<i>A. diadema</i>)	<i>Leptosynapta bergensis</i> (<i>L. inhaerens</i>)	-
LB1626	OS41	2	<i>Magelona minuta</i> (<i>M. alleni</i>) <i>Chaetozone zetlandica</i> <i>C. setosa</i> agg.)	-	-	-	-	-
LB1626	OS42	0	-	-	-	-	-	-
LB1626	OS43	0	-	-	-	-	-	-
LB1627	OS41	3	-	-	<i>Eulimella ventricosa</i> (<i>E. laevis</i>) <i>Aximulus croulinensis</i> (<i>Thyasira</i> sp. juv.)	-	-	<i>Golfingia elongata</i> (<i>G. vulgaris</i>)
LB1627	OS42	1	-	-	<i>Aximulus croulinensis</i> (<i>Thyasira</i> sp. juv.)	-	-	-
LB1627	OS43	0	-	-	-	-	-	-
LB1628	OS41	0	-	-	-	-	-	-
LB1628	OS42	0	-	-	-	-	-	-
LB1628	OS43	1	-	-	-	-	<i>Ophiura albida</i> (<i>Ophiura affinis</i>)	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS41 - 43) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1629	OS41	3	<i>Polydora caeca</i> agg. (<i>Pseudopolydora paucibranchiata</i>) <i>Tharyx killariensis</i> (<i>Aphelochaeta marioni</i>) <i>Pomatoceros lamarcki</i> (<i>P. triqueter</i>)	-	-	-	-	-
LB1629	OS42	5	<i>Pholoe baltica</i> (<i>P. inornata</i>) <i>Syllis parapari</i> (<i>Syllis cornuta</i>) <i>Syllis parapari</i> (<i>Syllis</i> sp. G)	-	<i>Nucula nitidosa</i> (<i>N. hanleyi</i>) <i>Abra nitida</i> (<i>A. alba</i>)	-	-	-
LB1629	OS43	1	<i>Syllis parapari</i> (<i>Syllis</i> sp. G)	-	-	-	-	-
LB1630	OS41	3	<i>Pholoe assimilis</i> (<i>P. inornata</i>)	-	<i>Abra nitida</i> (<i>A. alba</i>) <i>Tharcia convexa</i> (<i>T. phaseolina</i>)	-	-	-
LB1630	OS42	0	-	-	-	-	-	-
LB1630	OS43	0	-	-	-	-	-	-
LB1631	OS41	-	-	-	-	-	-	-
LB1631	OS42	-	-	-	-	-	-	-
LB1631	OS43	-	-	-	-	-	-	-
LB1632	OS41	3	<i>Spio decorata</i> (<i>S. filicornis</i>) <i>Spio decorata</i> (<i>S. martinensis</i>) <i>Owenia fusiformis</i> (Phoronidae)	-	-	-	-	-
LB1632	OS42	3	<i>Spio armata</i> agg. (<i>Scoletepis</i>) <i>Spio armata</i> agg. (<i>S. martinensis</i>) <i>Mysta picta</i> (<i>Eteone</i>)	-	-	-	-	-
LB1632	OS43	2	<i>Magelona johnstoni</i> (<i>M. papillicornis</i>)	-	-	<i>Urothoe poseidonis</i> (<i>U. brevicornis</i>)	-	-
LB1633	OS41	4	<i>Harmothoe glabra</i> (<i>Malmgreniella marphysae</i>)	-	-	<i>Bathyporeia guilliamsoniana</i> (<i>B. elegans</i>) <i>Pseudocuma similis</i> (<i>P. longicornis</i>) <i>Crangon allmanni</i> (<i>Processa parva</i>)	-	-
LB1633	OS42	1	-	-	-	<i>Urothoe poseidonis</i> (<i>U. brevicornis</i>)	-	-
LB1633	OS43	5	<i>Lumbrineris gracilis</i> (<i>L. latreilli</i>) <i>Atherospio guillei</i> (<i>Poecilochaetus serpens</i>)	-	<i>Abra nitida</i> / <i>Thracia</i> sp. juv. (<i>Corbula gibba</i>)	<i>Harpinia pectinata</i> (<i>H. antennaria</i>) <i>Leucothoe procera</i> (<i>L. spinicarpa</i>)	-	-
LB1634	OS41	2	<i>Nephtys kersivalensis</i> (<i>N. hombergii</i>) <i>Nephtys kersivalensis</i> (<i>N. cirrosa</i>)	-	-	-	-	-
LB1634	OS42	3	-	-	<i>Abra prismatica</i> (<i>Fabulina fabula</i>) <i>Fabulina fabula</i> (<i>Abra</i> sp. juv.) <i>Abra prismatica</i> (<i>A. alba</i>)	-	-	-
LB1634	OS43	0	-	-	-	-	-	-
Total		129	64	2	33	23	6	2
% error		-	50	2	26	18	5	2

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicomarine Ltd. for the major taxonomic groups present in samples OS41-OS43.

LabCode		Sample OS41								Overall
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	
LB1601	UM	0.1957	9.9715	-	0.0002	0.5271	5.0398	3.0971	3.1837	22.0151
	AE	0.1877	9.0958	-	0.0002	0.5352	5.2007	3.3065	3.2611	21.5872
	%diff.	4.1	8.8	-	0.0	-1.5	-3.2	-6.8	-2.4	1.9
LB1602	PL	-	0.0579	-	-	-	-	0.0239	-	0.0818
	UM	-	0.0424	-	-	-	-	0.0140	-	0.0564
	%diff.	-	26.8	-	-	-	-	41.4	-	31.1
LB1603	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1604	PL	0.00599	0.39717	-	-	0.02058	-	0.30264	0.00357	0.72995
	UM	0.0012	0.3230	-	-	0.0095	-	0.2543	0.0007	0.5887
	%diff.	80.0	18.7	-	-	53.8	-	16.0	80.4	19.4
LB1605	PL	-	0.1012	-	-	0.7224	-	0.1101	-	0.9337
	UM	-	0.0909	-	-	0.6196	-	0.1096	-	0.8201
	%diff.	-	10.2	-	-	14.2	-	0.5	-	12.2
LB1606	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1607	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1608	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1609	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1610	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1611	UM	-	0.0228	-	-	-	-	-	-	0.0228
	AE	-	0.0214	-	-	-	-	-	-	0.0214
	%diff.	-	6.1	-	-	-	-	-	-	6.1
LB1612	UM	-	0.2132	0.0457	-	0.0998	-	0.0008	0.00071	0.36021
	AE	-	0.2235	0.0476	-	0.0924	-	0.0007	0.00071	0.36491
	%diff.	-	-4.8	-4.2	-	7.4	-	12.5	0.0	-1.3
LB1613	UM	-	0.1309	0.0134	-	0.0054	-	0.0318	0.0001	0.1816
	AE	-	0.1216	0.0120	-	0.0061	-	0.0291	0.0001	0.1689
	%diff.	-	7.1	10.4	-	-13.0	-	8.5	0.0	7.0
LB1614	UM	-	0.3380	0.0519	-	-	-	0.0056	-	0.3955
	AE	-	0.4218	0.0490	-	-	-	0.0063	-	0.4771
	%diff.	-	-24.8	5.6	-	-	-	-12.5	-	-20.6
LB1615	UM	-	-	-	-	-	-	-	-	0.0000
	AE	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1616	PL	-	0.3005	-	-	0.0422	0.0062	0.2286	-	0.57750
	UM	-	0.2957	-	-	0.0344	0.0051	0.2233	-	0.5585
	%diff.	-	1.6	-	-	18.5	17.7	2.3	-	3.3
LB1617	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1618	PL	-	0.0114	0.0004	-	0.0001	-	-	-	0.0119
	UM	-	0.0040	0.0004	-	0.0001	-	-	-	0.0045
	%diff.	-	64.9	0.0	-	0.0	-	-	-	62.2

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicomarine Ltd. for the major taxonomic groups present in samples OS41-OS43.

LabCode		Sample OS41							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1619	PL	-	20.5957	-	-	-	-	0.5492	-	21.1449
	UM	-	13.3774	-	-	-	-	0.4470	-	13.8244
	%diff.	-	35.0	-	-	-	-	18.6	-	34.6
LB1620	PL	0.0159	0.8543	-	-	0.0107	4.3331	0.0718	-	5.2858
	UM	0.0087	0.7363	-	-	0.0090	3.6379	0.0642	-	4.4561
	%diff.	45.3	13.8	-	-	15.9	16.0	10.6	-	15.7
LB1621	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1622	PL	-	0.9533	0.0096	0.0001	0.0087	-	0.0621	0.0068	1.0406
	UM	-	0.7294	0.0079	0.0002	0.0045	-	0.0619	0.0043	0.8082
	%diff.	-	23.5	17.7	-100.0	48.3	-	0.3	36.8	22.3
LB1624	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1625	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1626	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1627	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1628	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1629	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1630	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1631	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1632	PL	0.0064	0.0318	-	-	0.0282	0.0040	0.0055	0.0038	0.0797
	UM	0.0030	0.0134	-	-	0.0159	0.0022	0.0066	0.0020	0.0431
	%diff.	53.1	57.9	-	-	43.6	45.0	-20.0	47.4	45.9
LB1633	PL	0.0016	1.7374	-	-	0.0021	0.0003	-	-	1.7412
	UM	0.0008	1.3903	-	-	0.0011	0.0002	-	-	1.3924
	%diff.	48.7	20.0	-	-	46.3	20.0	-	-	20.0
LB1634	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

Key: PL - participating laboratory
 UM - Unicomarine Ltd.
 AE- Aquatic Environments (External Auditor)
 "-" - No data.

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicmarine Ltd. for the major taxonomic groups present in samples OS41-OS43.

LabCode		Sample OS42							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1601	UM	-	5.9470	0.4625	-	0.1611	-	0.0047	-	6.5753
	AE	-	5.9273	0.4501	-	0.1709	-	0.0041	-	6.5524
	%diff.	-	0.3	2.7	-	-6.1	-	12.8	-	0.3
LB1602	PL	-	0.0619	0.0001	-	-	-	3.7065	-	3.7685
	UM	-	0.0363	0.0001	-	-	-	2.9116	-	2.9480
	%diff.	-	41.4	0.0	-	-	-	21.4	-	21.8
LB1603	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1604	PL	0.07357	0.85761	-	-	0.37391	0.11345	0.11173	0.05839	1.58866
	UM	0.0553	0.5653	-	-	0.2690	0.1354	0.0790	0.0397	1.1437
	%diff.	24.8	34.1	-	-	28.1	-19.3	29.3	32.0	28.0
LB1605	PL	-	0.5833	-	-	0.3225	-	6.6337	-	7.5395
	UM	-	0.5804	-	-	0.3490	-	6.6235	-	7.5529
	%diff.	-	0.5	-	-	-8.2	-	0.2	-	-0.2
LB1606	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1607	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1608	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1609	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1610	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1611	UM	-	0.1307	-	-	6.3922	-	0.0750	-	6.5979
	AE	-	0.1224	-	-	6.0160	-	0.0748	-	6.2132
	%diff.	-	6.4	-	-	5.9	-	0.3	-	5.8
LB1612	UM	0.0304	0.2055	0.3762	-	-	-	0.0601	0.0106	0.6828
	AE	0.0281	0.1670	0.3480	-	-	-	0.0598	0.0084	0.6113
	%diff.	7.6	18.7	7.5	-	-	-	0.5	20.8	10.5
LB1613	UM	-	0.1795	0.0298	-	0.0003	-	0.0009	0.8534	1.0639
	AE	-	0.1862	0.0341	-	0.0003	-	0.0009	0.8953	1.1168
	%diff.	-	-3.7	-14.4	-	0.0	-	0.0	-4.9	-5.0
LB1614	UM	-	-	-	-	-	-	-	-	0.0000
	AE	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1615	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1616	PL	-	0.1695	0.0008	-	0.0465	-	0.0136	-	0.23040
	UM	-	0.1348	0.0003	-	0.0399	-	0.0044	-	0.1794
	%diff.	-	20.5	62.5	-	14.2	-	67.6	-	22.1
LB1617	PL	-	4.4357	0.0019	0.1575	1.1603	0.0055	50.3953	-	56.1562
	UM	-	3.8799	0.0008	0.0938	1.0140	0.0054	38.0596	-	43.0535
	%diff.	-	12.5	57.9	40.4	12.6	1.8	24.5	-	23.3
LB1618	PL	-	0.0054	0.0016	-	0.0069	-	-	-	0.0139
	UM	-	0.0012	0.0004	-	0.0034	-	-	-	0.0050
	%diff.	-	77.8	75.0	-	50.7	-	-	-	64.0

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicomarine Ltd. for the major taxonomic groups present in samples OS41-OS43.

LabCode		Sample OS42							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1619	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1620	PL	-	0.6733	-	-	0.0745	0.3549	0.9089	0.4562	2.4678
	UM	-	0.4189	-	-	0.0545	0.2841	0.9031	0.3223	1.9829
	%diff.	-	37.8	-	-	26.8	19.9	0.6	29.4	19.6
LB1621	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1622	PL	0.0012	0.1905	0.0001	0.0001	0.0543	0.0120	0.3712	0.0075	0.6369
	UM	0.0008	0.1565	0.0001	0.0002	0.0400	0.0119	0.3586	0.0047	0.5728
	%diff.	33.3	17.8	0.0	-100.0	26.3	0.8	3.4	37.3	10.1
LB1624	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1625	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1626	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1627	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1628	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1629	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1630	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1631	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1632	PL	0.0042	0.0722	-	-	0.0029	0.0010	0.0031	-	0.0834
	UM	0.0026	0.0321	-	-	0.0013	0.0006	0.0015	-	0.0381
	%diff.	38.1	55.5	-	-	55.2	40.0	51.6	-	54.3
LB1633	PL	0.0010	1.0863	-	-	-	0.0191	-	-	1.1064
	UM	0.0007	0.8736	-	-	-	0.0120	-	-	0.8863
	%diff.	30.7	19.6	-	-	-	37.1	-	-	19.9
LB1634	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

Key: PL - participating laboratory
 UM - Unicomarine Ltd.
 AE- Aquatic Environments (External Auditor)
 "-" - No data.

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicomarine Ltd. for the major taxonomic groups present in samples OS41-OS43.

LabCode		Sample OS43								Overall
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	
LB1601	UM	0.0017	0.4016	0.0051	0.0003	0.0048	1.2922	0.1477	0.0001	1.8535
	AE	0.0015	0.3720	0.0047	0.0003	0.0045	1.2917	0.1486	0.0001	1.8234
	%diff.	11.8	7.4	7.8	0.0	6.3	0.0	-0.6	0.0	1.6
LB1602	PL	-	0.1755	-	-	0.0083	1.9896	-	0.0002	2.1736
	UM	-	0.1194	-	-	0.0058	1.7298	-	0.0002	1.8552
	%diff.	-	32.0	-	-	30.1	13.1	-	0.0	14.6
LB1603	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1604	PL	-	0.47534	-	-	0.05161	0.09077	0.12436	0.00106	0.74314
	UM	-	0.3934	-	-	0.0158	0.0738	0.0996	0.0004	0.5830
	%diff.	-	17.2	-	-	69.4	18.7	19.9	62.3	21.5
LB1605	PL	-	0.0213	-	-	-	36.5010	1.0057	-	37.52800
	UM	-	0.0182	-	-	-	33.9353	0.9990	-	34.9525
	%diff.	-	14.6	-	-	-	7.0	0.7	-	6.9
LB1606	PL	-	-	-	-	-	-	-	-	0.00000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1607	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1608	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1609	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1610	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1611	UM	-	-	-	-	0.7291	-	0.0053	-	0.7344
	AE	-	-	-	-	0.7540	-	0.0050	-	0.7590
	%diff.	-	-	-	-	-3.4	-	5.7	-	-3.3
LB1612	UM	-	0.1404	0.0004	-	0.0018	2.4180	0.4889	0.0545	3.1040
	AE	-	0.1292	0.0004	-	0.0015	2.6396	0.4993	0.0561	3.3261
	%diff.	-	8.0	0.0	-	16.7	-9.2	-2.1	-2.9	-7.2
LB1613	UM	0.0350	1.0534	-	-	0.0069	12.8097	1.1492	0.1465	15.2007
	AE	0.0310	0.9951	-	-	0.0073	12.8245	1.1088	0.1453	15.1120
	%diff.	11.4	5.5	-	-	-5.8	-0.1	3.5	0.8	0.6
LB1614	UM	-	-	-	-	-	-	-	-	0.0000
	AE	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1615	PL	-	-	0.0004	-	0.0003	-	-	-	0.0007
	UM	-	-	0.0011	-	0.0002	-	-	-	0.0013
	%diff.	-	-	-175.0	-	33.3	-	-	-	-85.7
LB1616	PL	-	-	-	-	-	-	-	-	0.00000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1617	PL	-	0.0058	-	-	0.0006	-	0.0161	-	0.0225
	UM	-	0.0041	-	-	0.0004	-	0.0147	-	0.0192
	%diff.	-	29.3	-	-	33.3	-	8.7	-	14.7
LB1618	PL	-	-	0.0011	-	-	-	-	-	0.0011
	UM	-	-	0.0006	-	-	-	-	-	0.0006
	%diff.	-	-	45.5	-	-	-	-	-	45.5

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicmarine Ltd. for the major taxonomic groups present in samples OS41-OS43.

LabCode		Sample OS43							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1619	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1620	PL	0.0093	1.0731	-	-	0.1415	0.0647	0.2862	0.0394	1.6142
	UM	0.0062	0.7533	-	-	0.0972	0.0452	0.2813	0.0260	1.2092
	%diff.	33.3	29.8	-	-	31.3	30.1	1.7	34.0	25.1
LB1621	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1622	PL	-	0.2144	-	-	0.0539	-	-	0.0053	0.2736
	UM	-	0.1863	-	-	0.0457	-	-	0.0050	0.2370
	%diff.	-	13.1	-	-	15.2	-	-	5.7	13.4
LB1624	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1625	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1626	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1627	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1628	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1629	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1630	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1631	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1632	PL	-	0.2065	-	-	0.0439	0.0006	0.0240	0.0007	0.2757
	UM	-	0.1064	-	-	0.0236	0.0002	0.0135	0.0002	0.1439
	%diff.	-	48.5	-	-	46.2	66.7	43.8	71.4	47.8
LB1633	PL	0.0035	0.2726	-	-	27.5461	4.3884	-	0.1784	32.3890
	UM	0.0025	0.1742	-	-	18.6269	3.7936	-	0.0800	22.6772
	%diff.	28.8	36.1	-	-	32.4	13.6	-	55.2	30.0
LB1634	PL	-	0.91964	0.00089	-	0.00608	-	1.08960	-	2.01621
	UM	-	0.9167	0.0012	-	0.0060	-	0.1564	-	1.0803
	%diff.	-	0.3	-34.8	-	1.3	-	85.6	-	46.4

Key: PL - participating laboratory
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 AE- Aquatic Environments (External Auditor)
 "-" - No data.

Table 5. Results from the Own Samples (OS41-43) with respect to the NMBAQC / UK NMMP standards.

1	2	3	4				7	8			11	12	13				17	18			21	22	23
			Estimation of Taxa					Taxonomic Errors					Estimation of Abundance					Estimation of Biomass					
LabCode	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	0	%	Remedial Action	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	Target	Flag	Target	Lab.	Flag	Sample Flag
LB1601	OS41	101	91.8 - 112.2	PASS	1	1.0		0	0.0	PASS	2870	2615.4 - 3196.6	PASS	54	1.9		22.0151	17.2698 - 25.9046	PASS	90.0	98.65	PASS	Pass-Good
LB1601	OS42	11	9.0 - 13.0	PASS	0	0.0		0	0.0	PASS	1239	1109.7 - 1356.3	PASS	3	0.2		6.5753	5.2419 - 7.8629	PASS	90.0	99.27	PASS	Pass-Good
LB1601	OS43	53	47.7 - 58.3	PASS	0	0.0		0	0.0	PASS	220	198.0 - 242.0	PASS	0	0.0		1.8535	1.4587 - 2.1881	PASS	90.0	100.00	PASS	Pass-Excellent
LB1602	OS41	7	5.0 - 9.0	PASS	0	0.0		0	0.0	PASS	17	15.0 - 19.0	PASS	0	0.0		0.0818	0.0451 - 0.0677	Fail	90.0	100.00	PASS	Pass-Excellent
LB1602	OS42	7	5.0 - 9.0	PASS	0	0.0		0	0.0	PASS	17	15.0 - 19.0	PASS	0	0.0		3.7685	2.3584 - 3.5376	Fail	90.0	100.00	PASS	Pass-Excellent
LB1602	OS43	14	13.0 - 17.0	PASS	1	6.7		0	0.0	PASS	34	30.6 - 37.4	PASS	0	0.0		2.1736	1.4842 - 2.2262	PASS	90.0	98.63	PASS	Pass-Good
LB1603	OS41	40	36.0 - 44.0	PASS	0	0.0		0	0.0	PASS	141	126.0 - 154.0	PASS	0	0.0		-	-	-	90.0	99.64	PASS	Pass-Good
LB1603	OS42	46	42.3 - 51.7	PASS	1	2.1		1	2.2	PASS	175	162.9 - 199.1	PASS	7	3.9		-	-	-	90.0	97.75	PASS	Pass-Good
LB1603	OS43	15	13.0 - 17.0	PASS	0	0.0		2	13.3	PASS	53	47.7 - 58.3	PASS	0	0.0		-	-	-	90.0	92.45	PASS	Pass-Acceptable
LB1604	OS41	25	23.4 - 28.6	PASS	2	7.7	Review	4	16.7	Reprocess	131	120.6 - 147.4	PASS	3	2.2		0.7300	0.4710 - 0.7064	Fail	90.0	76.98	Fail	Fail-Bad
LB1604	OS42	19	17.0 - 21.0	PASS	0	0.0		1	5.3	PASS	257	229.5 - 280.5	PASS	0	0.0		1.5887	0.9150 - 1.3724	Fail	90.0	99.22	PASS	Pass-Good
LB1604	OS43	21	19.8 - 24.2	PASS	1	4.5		3	14.3	PASS	78	75.6 - 92.4	PASS	6	7.1		0.7431	0.4664 - 0.6996	Fail	90.0	92.03	PASS	Pass-Acceptable
LB1605	OS41	8	5.0 - 9.0	PASS	0	0.0		3	42.9	Reprocess	9	6.0 - 10.0	PASS	0	0.0		0.9337	0.6561 - 0.9841	PASS	90.0	47.06	Fail	Fail-Bad
LB1605	OS42	13	12.0 - 16.0	PASS	0	0.0		2	14.3	Review	22	20.7 - 25.3	PASS	1	4.3		7.5395	6.0423 - 9.0635	PASS	90.0	88.89	Fail	Fail-Poor
LB1605	OS43	4	2.0 - 6.0	PASS	0	0.0		0	0.0	PASS	5	3.0 - 7.0	PASS	0	0.0		37.5280	27.9620 - 41.9430	PASS	90.0	100.00	PASS	Pass-Excellent
LB1606	OS41	48	44.1 - 53.9	PASS	1	2.0		0	0.0	PASS	248	223.2 - 272.8	PASS	1	0.4		-	-	-	90.0	99.60	PASS	Pass-Good
LB1606	OS42	53	48.6 - 59.4	PASS	1	1.9		0	0.0	PASS	396	355.5 - 434.5	PASS	1	0.3		-	-	-	90.0	99.62	PASS	Pass-Good
LB1606	OS43	32	28.8 - 35.2	PASS	0	0.0		1	3.1	PASS	93	83.7 - 102.3	PASS	0	0.0		-	-	-	90.0	98.93	PASS	Pass-Good
LB1607	OS41	43	41.4 - 50.6	PASS	2	4.3		2	4.5	PASS	366	337.5 - 412.5	PASS	12	3.2		-	-	-	90.0	96.11	PASS	Pass-Good
LB1607	OS42	11	10.0 - 14.0	PASS	0	0.0		2	16.7	Review	639	645.3 - 788.7	Fail	53	7.4	Review	-	-	-	90.0	80.71	Fail	Fail-Bad
LB1607	OS43	22	19.8 - 24.2	PASS	0	0.0		1	4.5	PASS	90	79.2 - 96.8	PASS	0	0.0		-	-	-	90.0	94.51	PASS	Pass-Acceptable
LB1608	OS41	12	10.0 - 14.0	PASS	0	0.0		1	8.3	PASS	31	27.9 - 34.1	PASS	0	0.0		-	-	-	90.0	96.77	PASS	Pass-Good
LB1608	OS42	32	29.7 - 36.3	PASS	1	3.0		7	21.9	Reprocess	60	57.6 - 70.4	PASS	4	6.3	Review	-	-	-	90.0	77.52	Fail	Fail-Bad
LB1608	OS43	42	39.6 - 48.4	PASS	0	0.0		4	9.1	PASS	176	157.5 - 192.5	PASS	4	2.3		-	-	-	90.0	94.05	PASS	Pass-Acceptable
LB1609	OS41	3	1.0 - 5.0	PASS	0	0.0		0	0.0	PASS	9	7.0 - 11.0	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1609	OS42	11	10.0 - 14.0	PASS	0	0.0		1	8.3	PASS	64	57.6 - 70.4	PASS	0	0.0		-	-	-	90.0	95.31	PASS	Pass-Good
LB1609	OS43	3	2.0 - 6.0	PASS	1	25.0	Review	0	0.0	PASS	4	3.0 - 7.0	PASS	1	20.0	Review	-	-	-	90.0	88.89	Fail	Fail-Poor
LB1610	OS41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.0	-	-	-
LB1610	OS42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.0	-	-	-
LB1610	OS43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.0	-	-	-
LB1611	OS41	3	1.0 - 5.0	PASS	0	0.0		0	0.0	PASS	3	1.0 - 5.0	PASS	0	0.0		0.0228	0.0171 - 0.0257	PASS	90.0	100.00	PASS	Pass-Excellent
LB1611	OS42	11	9.0 - 13.0	PASS	0	0.0		0	0.0	PASS	50	41.4 - 50.6	PASS	0	0.0		6.5979	4.9706 - 7.4558	PASS	90.0	95.83	PASS	Pass-Good
LB1611	OS43	2	0 - 4.0	PASS	0	0.0		0	0.0	PASS	2	0 - 4.0	PASS	0	0.0		0.7344	0.6072 - 0.9108	PASS	90.0	100.00	PASS	Pass-Excellent
LB1612	OS41	15	13.0 - 17.0	PASS	0	0.0		0	0.0	PASS	190	171.0 - 209.0	PASS	0	0.0		0.3602	0.2919 - 0.4379	PASS	90.0	99.48	PASS	Pass-Good
LB1612	OS42	15	13.0 - 17.0	PASS	0	0.0		0	0.0	PASS	766	684.9 - 837.1	PASS	0	0.0		0.6828	0.4890 - 0.7336	PASS	90.0	99.67	PASS	Pass-Good
LB1612	OS43	29	26.1 - 31.9	PASS	0	0.0		0	0.0	PASS	142	127.8 - 156.2	PASS	0	0.0		3.1040	2.6609 - 3.9913	PASS	90.0	100.00	PASS	Pass-Excellent
LB1613	OS41	16	14.0 - 18.0	PASS	0	0.0		0	0.0	PASS	587	529.2 - 646.8	PASS	0	0.0		0.1816	0.1351 - 0.2027	PASS	90.0	99.58	PASS	Pass-Good
LB1613	OS42	17	15.0 - 19.0	PASS	0	0.0		0	0.0	PASS	682	608.4 - 743.6	PASS	1	0.1		1.0639	0.8934 - 1.3402	PASS	90.0	99.27	PASS	Pass-Good
LB1613	OS43	39	36.0 - 44.0	PASS	1	2.5		0	0.0	PASS	721	651.6 - 796.4	PASS	1	0.1		15.2007	12.0896 - 18.1344	PASS	90.0	99.79	PASS	Pass-Good
LB1614	OS41	15	13.0 - 17.0	PASS	0	0.0		0	0.0	PASS	273	240.3 - 293.7	PASS	0	0.0		0.3955	0.3817 - 0.5725	PASS	90.0	98.89	PASS	Pass-Good
LB1614	OS42	21	18.9 - 23.1	PASS	0	0.0		0	0.0	PASS	105	95.4 - 116.6	PASS	1	0.9		-	-	-	90.0	99.55	PASS	Pass-Good
LB1614	OS43	20	18.0 - 22.0	PASS	0	0.0		0	0.0	PASS	747	640.8 - 783.2	PASS	0	0.0		-	-	-	90.0	97.60	PASS	Pass-Good
LB1615	OS41	2	0 - 4.0	PASS	0	0.0		0	0.0	PASS	4	2.0 - 6.0	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1615	OS42	5	4.0 - 8.0	PASS	1	16.7		0	0.0	Fail	14	15.0 - 19.0	Fail	3	17.6		-	-	-	90.0	90.32	PASS	Pass-Acceptable
LB1615	OS43	5	3.0 - 7.0	PASS	0	0.0		0	0.0	PASS	21	18.9 - 23.1	PASS	0	0.0		0.0007	0.0010 - 0.0016	Fail	90.0	100.00	PASS	Pass-Acceptable
LB1616	OS41	11	9.0 - 13.0	PASS	0	0.0		2	18.2	PASS	68	61.2 - 74.8	PASS	0	0.0		0.5775	0.4468 - 0.6702	PASS	90.0	94.12	PASS	Pass-Acceptable
LB1616	OS42	15	13.0 - 17.0	PASS	0	0.0		1	6.7	PASS	110	97.2 - 118.8	PASS	0	0.0		0.2304	0.1435 - 0.2153	Fail	90.0	98.17	PASS	Pass-Good
LB1616	OS43	0	-2.0 - 2.0	PASS	0	0.0		0	0.0	PASS	0	-2.0 - 2.0	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1617	OS41	6	4.0 - 8.0	PASS	0	0.0		0	0.0	PASS	20	18.0 - 22.0	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1617	OS42	66	67.5 - 82.5	Fail	7	9.3		4	5.9	PASS	1761	1636.2 - 1999.8	PASS	57	3.1		56.1562	34.4428 - 51.6642	Fail	90.0	97.96	PASS	Pass-Good
LB1617	OS43	18	17.0 - 21.0	PASS	0	0.0		2	10.5	Review	46	41.4 - 50.6	PASS	0	0.0		0.0225	0.0154 - 0.0230	PASS	90.0	78.00	Fail	Fail-Bad
LB1618	OS41	3	1.0 - 5.0	PASS	0	0.0		0	0.0	PASS	19	17.0 - 21.0	PASS	0	0.0		0.0119	0.0036 - 0.0054	Fail	90.0	100.00	PASS	Pass-Excellent
LB1618	OS42	7	6.0 - 10.0	PASS	1	12.5		0	0.0	PASS	18	16.0 - 20.0	PASS	1	5.6		0.0139	0.0040 - 0.0060	Fail	90.0	94.44	PASS	Pass-Acceptable
LB1618	OS43	3	1.0 - 5.0	PASS	0	0.0		0	0.0	PASS	4	2.0 - 6.0	PASS	0	0.0		0.0011	0.0005 - 0.0007	Fail	90.0	100.00	PASS	Pass-Excellent

Table 5. Results from the Own Samples (OS41-43) with respect to the NMBAQC / UK NMMP standards.

		Estimation of Taxa						Taxonomic Errors			Estimation of Abundance				Estimation of Biomass			Similarity Index			NMBAQCS/NMMP		
LabCode		Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	%	Remedial Action	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	Target	Flag	Target	Lab.	Flag	Sample Flag
LB1620	OS43	46	42.3 - 51.7	PASS	0	0.0		2	4.3		105	94.5 - 115.5	PASS	1	1.0		1.6142	0.9674 - 1.4510	Fail	90.0	93.95	PASS	Pass-Acceptable
LB1621	OS41	35	30.6 - 37.4	PASS	0	0.0		1	2.9		71	63.0 - 77.0	PASS	0	0.0		-	-	-	90.0	96.55	PASS	Pass-Good
LB1621	OS42	9	7.0 - 11.0	PASS	0	0.0		0	0.0		8	6.0 - 10.0	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1621	OS43	28	27.0 - 33.0	PASS	1	3.3		1	3.4		69	63.9 - 78.1	PASS	1	1.4		-	-	-	90.0	95.78	PASS	Pass-Good
LB1622	OS41	29	26.1 - 31.9	PASS	1	3.4		2	7.1		237	221.4 - 270.6	PASS	8	3.3		1.0406	0.6466 - 0.9698	Fail	90.0	95.65	PASS	Pass-Good
LB1622	OS42	50	45.9 - 56.1	PASS	0	0.0		0	0.0		146	135.0 - 165.0	PASS	3	2.0		0.6369	0.4582 - 0.6874	PASS	90.0	98.67	PASS	Pass-Good
LB1622	OS43	20	18.9 - 23.1	PASS	0	0.0		0	0.0		26	26.1 - 31.9	Fail	2	6.9		0.2736	0.1896 - 0.2844	PASS	90.0	93.55	PASS	Pass-Acceptable
LB1624	OS41	12	10.0 - 14.0	PASS	0	0.0		0	0.0		54	48.6 - 59.4	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1624	OS42	38	36.0 - 44.0	PASS	1	2.5		1	2.6		160	147.6 - 180.4	PASS	3	1.8		-	-	-	90.0	97.53	PASS	Pass-Good
LB1624	OS43	36	32.4 - 39.6	PASS	0	0.0		1	2.8		298	268.2 - 327.8	PASS	2	0.7		-	-	-	90.0	92.95	PASS	Pass-Acceptable
LB1625	OS41	33	34.2 - 41.8	Fail	0	0.0		10	26.3	Reprocess	133	118.8 - 145.2	PASS	0	0.0		-	-	-	90.0	77.74	Fail	Fail-Bad
LB1625	OS42	29	34.2 - 41.8	Fail	7	18.4	Reprocess	8	25.8	Reprocess	59	70.2 - 85.8	Fail	21	26.9	Reprocess	-	-	-	90.0	52.56	Fail	Fail-Bad
LB1625	OS43	28	38.7 - 47.3	Fail	15	34.9	Reprocess	10	35.7	Reprocess	79	98.1 - 119.9	Fail	38	34.9	Reprocess	-	-	-	90.0	50.00	Fail	Fail-Bad
LB1626	OS41	13	11.0 - 15.0	PASS	0	0.0		2	15.4	Review	23	20.7 - 25.3	PASS	0	0.0		-	-	-	90.0	86.96	Fail	Fail-Poor
LB1626	OS42	5	3.0 - 7.0	PASS	0	0.0		0	0.0		545	486.9 - 595.1	PASS	0	0.0		-	-	-	90.0	99.45	PASS	Pass-Good
LB1626	OS43	3	1.0 - 5.0	PASS	0	0.0		0	0.0		4	2.0 - 6.0	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1627	OS41	32	36.9 - 45.1	Fail	8	19.5	Reprocess	3	9.1	Review	78	95.4 - 116.6	Fail	27	25.5	Reprocess	-	-	-	90.0	80.21	Fail	Fail-Bad
LB1627	OS42	37	37.8 - 46.2	Fail	4	9.5		1	2.6		84	83.7 - 102.3	PASS	12	12.9		-	-	-	90.0	92.74	PASS	Pass-Acceptable
LB1627	OS43	30	27.0 - 33.0	PASS	0	0.0		0	0.0		61	70.2 - 85.8	Fail	17	21.8	Reprocess	-	-	-	90.0	87.94	Fail	Fail-Poor
LB1628	OS41	24	22.5 - 27.5	PASS	1	4.0		0	0.0		53	48.6 - 59.4	PASS	1	1.9		-	-	-	90.0	99.07	PASS	Pass-Good
LB1628	OS42	9	7.0 - 11.0	PASS	0	0.0		0	0.0		43	38.7 - 47.3	PASS	0	0.0		-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1628	OS43	42	39.6 - 48.4	PASS	2	4.5		1	2.4		104	95.4 - 116.6	PASS	2	1.9		-	-	-	90.0	98.10	PASS	Pass-Good
LB1629	OS41	32	27.9 - 34.1	PASS	0	0.0		3	9.7	Review	96	83.7 - 102.3	PASS	3	3.2		-	-	-	90.0	84.66	Fail	Fail-Bad
LB1629	OS42	29	27.0 - 33.0	PASS	1	3.3		5	17.2		200	181.8 - 222.2	PASS	3	1.5		-	-	-	90.0	93.53	PASS	Pass-Acceptable
LB1629	OS43	17	18.0 - 22.0	Fail	2	10.0		1	5.6		181	170.1 - 207.9	PASS	4	2.1		-	-	-	90.0	97.30	PASS	Pass-Good
LB1630	OS41	31	29.7 - 36.3	PASS	2	6.1		3	9.7		221	202.5 - 247.5	PASS	4	1.8		-	-	-	90.0	96.86	PASS	Pass-Good
LB1630	OS42	27	25.2 - 30.8	PASS	2	7.1		0	0.0		158	170.1 - 207.9	Fail	28	14.8		-	-	-	90.0	90.49	PASS	Pass-Acceptable
LB1630	OS43	26	23.4 - 28.6	PASS	0	0.0		0	0.0		84	80.1 - 97.9	PASS	5	5.6		-	-	-	90.0	97.11	PASS	Pass-Good
LB1631	OS41	-	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	-	-	-
LB1631	OS42	-	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	-	-	-
LB1631	OS43	-	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	-	-	-
LB1632	OS41	16	12.0 - 16.0	PASS	0	0.0		3	21.4	Reprocess	76	71.1 - 86.9	PASS	4	5.1	Review	0.0797	0.0345 - 0.0517	Fail	90.0	87.74	Fail	Fail-Poor
LB1632	OS42	11	9.0 - 13.0	PASS	0	0.0		3	27.3	Reprocess	48	45.0 - 55.0	PASS	1	2.0		0.0834	0.0305 - 0.0457	Fail	90.0	89.80	Fail	Fail-Poor
LB1632	OS43	23	19.8 - 24.2	PASS	0	0.0		2	9.1		129	109.8 - 134.2	PASS	1	0.8		0.2757	0.1151 - 0.1727	Fail	90.0	94.82	PASS	Pass-Acceptable
LB1633	OS41	22	22.5 - 27.5	Fail	1	4.0		4	16.7	Reprocess	161	166.5 - 203.5	Fail	24	13.0	Reprocess	1.7412	1.1139 - 1.6709	Fail	90.0	86.13	Fail	Fail-Poor
LB1633	OS42	24	21.6 - 26.4	PASS	0	0.0		1	4.2		84	80.1 - 97.9	PASS	4	4.5		1.1064	0.7090 - 1.0636	Fail	90.0	94.80	PASS	Pass-Acceptable
LB1633	OS43	26	26.1 - 31.9	Fail	2	6.9	Review	5	18.5	Reprocess	221	229.5 - 280.5	Fail	51	20.0	Reprocess	32.3890	18.1418 - 27.2126	Fail	90.0	89.50	Fail	Fail-Poor
LB1634	OS41	22	20.7 - 25.3	PASS	0	0.0		2	8.7		89	81.0 - 99.0	PASS	1	1.1		-	-	-	90.0	94.97	PASS	Pass-Acceptable
LB1634	OS42	14	13.0 - 17.0	PASS	0	0.0		3	20.0		29	27.0 - 33.0	PASS	0	0.0		-	-	-	90.0	94.92	PASS	Pass-Acceptable
LB1634	OS43	12	10.0 - 14.0	PASS	0	0.0		0	0.0		189	169.2 - 206.8	PASS	0	0.0		2.0162	0.8642 - 1.2964	Fail	90.0	98.67	PASS	Pass-Good

Table 6. Comparison of the overall performance of laboratories in the Own Sample exercises from 1995/96 to 2009/10 with respect to the NMBAQC / CSEMP standards. Initial OS results excluding remedial action.

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
	In Total	657	155	81

Key: * - Own Samples selected from completed data matrices, *i.e.* 'blind audits'
 BCSI - Bray Curtis similarity index (untransformed)

Table 7. Comparison of each laboratory's performance in the Own Sample exercises from Scheme year 02 (1995/96) to Scheme year 16 (2009/10). Only participants subscribing to the Yr16 OS Component shown.

LabCode	Scheme Yr2	Scheme Year 3			Scheme Year 4			Scheme Year 5			Scheme Year 6			Scheme Year 7			Scheme Year 8			Scheme Year 9		
	OS01	OS02	OS03	OS04	OS05	OS06	OS07	OS08	OS09	OS10	OS11	OS12	OS13	OS14	OS15	OS16	OS17	OS18	OS19	OS20	OS21	OS22
LB1601	97.94	-	92.08	-	74.34	94.64	96.43	71.03	96.48	99.17	98.32	97.65	96.3	96.67	98.21	96.96	92.41	96.74	89.86	98.54	98.2	99.54
LB1602	-	-	-	-	-	-	-	95.08	53.66	60.42	-	-	-	-	-	-	84.32	100	80.31	-	-	-
LB1603	-	-	-	-	95.75	92.56	96.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1604	-	-	-	-	89.9	-	-	-	-	-	95.8	49.56	67.28	72.73	89.52	70.87	55.86	71.28	90.77	72.58	98.56	99.61
LB1605	97.91	96.3	85.8	89.82	75.29	95.44	74.89	73.3	97.33	93.01	73.02	99.5	90.5	93.13	94.57	90.32	96.67	94.12	90.39	94.27	96.43	96.77
LB1606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.68	91.36	93.63	98.66	96.44	92.46
LB1607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1608	-	-	-	-	-	-	-	-	-	-	-	-	-	92.09	96.52	82.22	91.5	99.34	97.22	84.94	76.92	80.46
LB1609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1610	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.89	72.07	56.22	-	-	-
LB1611	-	-	-	-	60	62.5	83.82	87.5	93.5	94.12	74.21	76.6	70.98	74.02	81.74	78.47	78.95	90.36	100	70.25	94.68	78.57
LB1612	98.18	100	83.33	95.77	100	100	94.74	-	-	-	98.21	97.79	100	-	-	-	-	-	-	97.52	99.43	92.86
LB1613	97.17	98.93	96.58	98.4	100	98.8	98.04	91.32	98.8	98.35	99.23	90.38	98.13	99.21	91.1	96.22	99.55	93.98	95.24	99.07	96.69	98.14
LB1614	-	-	-	-	-	-	-	-	-	-	100	98.96	85.71	-	-	-	-	-	-	-	-	-
LB1615	99.44	98.39	100	100	100	99.31	99.75	98.59	98.59	100	98.14	66.26	88.78	96.95	99.09	98.95	98.99	84.62	91.09	99.37	99.24	98.67
LB1616	98.1	98.48	100	88.89	100	100	98.67	96.39	89.13	100	99.16	97.92	95.87	98.98	85.19	72.15	95.65	57.98	91.2	98.06	94.44	-
LB1617	-	73.15	68.7	96.12	-	-	-	93.33	90.46	93.1	87.15	98.56	98.24	95.9	92.57	91.22	-	-	-	86.15	98.43	96.78
LB1618	98.54	-	-	-	99.68	99.87	90.2	91.73	43.85	35.71	97.27	98.7	97.56	94.12	97.4	98.08	96.94	95.4	98.84	-	-	-
LB1619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.89	43.32	83.72
LB1622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1625	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1626	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1631	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1634	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key: Yellow shaded cells = 'Fail' flag; no record of subsequent remedial action.
Green shaded cells = Remedial action successfully completed.
Pink shaded cells = Data changed following external review.
Red text = no sample residue supplied (excluded from statistics).
"(data)"= Remedial action Extra Own Sample data due to initial non-submission (excluded from statistics).
- = no data / not participating.

Table 7. Comparison of each laboratory's performance in the Own Sample exercises from Scheme year 02 (1995/96) to Scheme year 16 (2009/10). Only participants subscribing to the Yr16 OS Component shown.

LabCode	Scheme Year 10			Scheme Year 11			Scheme Year 12			Scheme Year 13			Scheme Year 14			Scheme Year 15			Scheme Year 16		
	OS23	OS24	OS25	OS26	OS27	OS28	OS29	OS30	OS31	OS32	OS33	OS34	OS35	OS36	OS37	OS38	OS39	OS40	OS41	OS42	OS43
LB1601	99.6	97.85	98.86	99.46	100	97.33	99.26	99.65	99.91	99.59	99.28	100	99.9	99.59	99.37	99.51	99.66	99.46	98.65	99.27	100
LB1602	93.7	83.94	91.23	-	-	-	99.35	95.65	97.87	98.2	96.7	99	99.15	100	98.28	94.08	99.35	88.00	100	100	98.63
LB1603	-	-	-	98.21	96.45	90.77	49.37	96.54	96.32	100	90	80	95	98.54	96.55	100.00	96.05	92.99	99.64	97.75	92.45
LB1604	95.89	95.82	97.62	100	98.9	98.52	100	95.86	98.85	90.1	86	90.1	98.59	96.58	99.6	-	-	-	76.98	99.22	92.03
LB1605	83.74	90.72	96.77	100	96.42	94.55	96.97	85.11	90.72	98	98.6	88.9	91.93	86.56	69.17	86.40	88.06	82.99	47.06	88.89	100
LB1606	100	98.46	98	99.45	95.08	100	99.25	98.63	100	96.3	94.7	93.2	100	100	97.37	93.86	99.55	87.87	99.60	99.62	98.93
LB1607	-	-	-	-	-	-	-	-	-	-	-	-	n/d	n/d	n/d	n/a	n/a	n/a	96.11	80.71	94.51
LB1608	89.16	99.83	96.18	98.04	100	100	100	91.8	99.24	99.4	84	94.7	96.92	87.38	90.45	80.21	99.74	87.75	96.77	77.52	93.48
LB1609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.27	81.98	75.00	100	95.31	88.89
LB1610	-	-	-	-	-	-	-	-	-	97.9	93.4	93.8	100	98.04	97.61	95.52	91.97	88.50	-	-	-
LB1611	98.11	100	100	100	100	96.3	100	80.00	100	96.07	100	100	97.41	93.33	100	94.96	100	98.63	100	95.83	100
LB1612	98.76	92.31	99.5	99.02	100	99.40	99.73	99.77	98.52	97.1	99.5	100	98.91	99.2	100	87.50	98.81	95.84	99.48	99.67	100
LB1613	96.68	92.27	77.38	82.37	98.44	71.38	92.08	93.94	86.17	99.49	99.88	98.91	99.31	99.67	100	96.88	99.79	99.74	99.58	99.27	99.79
LB1614	-	-	-	-	-	-	93.64	100	87.5	99.5	100	98.5	100	99.45	100	98.88	df	df	98.89	99.55	97.60
LB1615	96.48	97.92	99.37	99.7	100	98.92	99.69	99.77	99.04	97.2	96.9	98.6	95.83	98.73	99.45	97.16	96.14	98.91	100	90.32	100
LB1616	89.55	83.33	73.75	92.75	100	91.96	-	-	-	97.8	97.3	98.2	98.46	99.31	98.28	96.05	97.26	94.36	94.12	98.17	100
LB1617	95.23	96.92	95.97	98.48	96.15	98.62	93.61	96.23	99.68	81.8	98.8	98.8	93.62	82.53	91.76	99.73	93.38	99.63	100	97.96	78.00
LB1618	98.26	96.21	98.72	98.62	98.78	98.00	99.12	98	99.14	99.4	98.7	98.40	87.84	96.13	98.88	87.50	98.60	99.18	100	94.44	100
LB1619	-	-	-	-	-	-	-	-	-	99.73	99.59	100	99.67	98.86	99.84	92.01	97.22	100.00	98.71	97.73	91.68
LB1620	-	-	-	-	-	-	(99.2)	(98.7)	(98.7)	97.5	100	96.7	99.2	100	100	98.26	94.83	96.05	95.94	92.15	93.95
LB1621	99	94.6	85.11	94.74	95.89	96.43	99.19	95.89	96.3	98.1	97.9	87.5	100	86.2	96.34	99.62	99.64	99.68	96.55	100	95.78
LB1622	-	-	-	90.22	90.00	93.85	98.59	97.93	98.94	97	98.7	97.5	84.34	16.67	96.69	100.00	98.81	99.01	95.65	98.67	93.55
LB1624	-	-	-	-	-	-	-	-	-	-	-	-	98.69	96.53	96.34	99.70	95.29	92.09	100	97.53	92.95
LB1625	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.82	53.60	69.32	77.74	52.56	50.00
LB1626	-	-	-	-	-	-	-	-	-	-	-	-	66.67	99.35	81.34	97.00	71.55	97.70	86.96	99.45	100
LB1627	-	-	-	-	-	-	-	-	-	-	-	-	94.56	96.99	91.72	96.34	95.14	95.10	80.21	92.74	87.94
LB1628	-	-	-	-	-	-	-	-	-	-	-	-	96	96.79	97.87	98.78	93.62	87.31	99.07	100	98.10
LB1629	-	-	-	-	-	-	-	-	-	-	-	-	96.86	96.55	89.82	88.74	95.79	70.42	84.65	93.53	97.30
LB1630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.74	78.38	97.44	95.96	90.49	97.11
LB1631	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.74	89.8	94.82
LB1633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.23	86.96	87.81	86.13	94.80	89.50
LB1634	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.97	94.92	98.67

Key: Yellow shaded cells = 'Fail' flag; no record of subsequent remedial action.
Green shaded cells = Remedial action successfully completed.
Pink shaded cells = Data changed following external review.
Red text = no sample residue supplied (excluded from statistics).
"(data)"= Remedial action Extra Own Sample data due to initial non-submission (excluded from statistics).
- = no data / not participating.