



NMBAQC

NE Atlantic Marine Biological Analytical Quality Control Scheme

Own Sample Module Summary Report

Benthic Invertebrate Component - 2018/19

OS68, 69 and 70

12 July 2019

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MODULE / EXERCISE DETAILS

| | |
|-------------------------------------|-----------------|
| Module: | Own Sample (OS) |
| Exercises: | OS68, 69 and 70 |
| Data/Sample Request Circulated: | 31 August 2018 |
| Sample Submission Deadline: | 26 October 2018 |
| Number of Subscribing Laboratories: | 31 |
| Number of Own Samples Received: | 89 |

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|--------------|--------------------|-----|--------------|-------------|-------------|----------|-----------------|------------------|-------|-----------------|-----------------|------|-----------------|-------------|-------------|----------|-----------------|-----------------------|---------|-----------------------|-------------|------------------|--------|-------------|--------------------|
| | Estimation of Taxa | | | | | | | Taxonomic errors | | | No. Individuals | | | | | | | Estimation of Biomass | | | | Similarity Index | | | Sample Flag |
| | OD | AD | Target | Pass / Fail | Missed Taxa | % Missed | Remedial Action | OD | % | Remedial Action | OD | AD | Target | Pass / Fail | Missed Ind. | % Missed | Remedial Action | OD | AD | Target | Pass / Fail | BCSI % | Target | Pass / Fail | NMBAQC Sample Flag |
| BI_2501 OS68 | 35 | 44 | 39.6 - 48.4 | FAIL | 7 | 15.91 | Reprocess | 10 | 22.73 | Reprocess | 165 | 228 | 205.2 - 250.8 | FAIL | 62 | 27.19 | Reprocess | - | - | - | - | 55.696 | 90 | FAIL | FAIL - BAD |
| BI_2501 OS69 | 29 | 32 | 28.8 - 35.2 | PASS | 1 | 3.13 | - | 8 | 25.00 | Reprocess | 83 | 84 | 75.6 - 92.4 | PASS | 5 | 5.95 | Review | - | - | - | - | 63.473 | 90 | FAIL | FAIL - BAD |
| BI_2501 OS70 | 58 | 67 | 60.3 - 73.7 | FAIL | 4 | 5.97 | Review | 21 | 31.34 | Reprocess | 276 | 384 | 345.6 - 422.4 | FAIL | 89 | 23.18 | Reprocess | - | - | - | - | 49.096 | 90 | FAIL | FAIL - BAD |
| BI_2502 OS68 | 98 | 98 | 88.2 - 107.8 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 1168 | 1169 | 1052.1 - 1285.9 | PASS | 0 | 0.00 | - | 5.5514 | 5.8803 | 4.70424 - 7.05636 | PASS | 96.36 | 90 | PASS | PASS - GOOD |
| BI_2502 OS69 | 106 | 108 | 97.2 - 118.8 | PASS | 1 | 0.93 | - | 3 | 2.78 | - | 1283 | 1282 | 1153.8 - 1410.2 | PASS | 9 | 0.70 | - | 15.3645 | 14.8788 | 11.90304 - 17.85456 | PASS | 99.25 | 90 | PASS | PASS - GOOD |
| BI_2502 OS70 | 25 | 25 | 22.5 - 27.5 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 142 | 142 | 127.8 - 156.2 | PASS | 0 | 0.00 | - | 0.9291 | 0.7245 | 0.5796 - 0.8694 | FAIL | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2503 OS68 | 5 | 6 | 5.4 - 6.6 | FAIL | 0 | 0.00 | - | 0 | 0.00 | - | 19 | 19 | 17.1 - 20.9 | PASS | 0 | 0.00 | - | - | - | - | - | 94.737 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2503 OS69 | 1 | 1 | 0.9 - 1.1 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 1 | 1 | 0.9 - 1.1 | PASS | 0 | 0.00 | - | - | - | - | - | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2503 OS70 | 17 | 17 | 15.3 - 18.7 | PASS | 0 | 0.00 | - | 1 | 5.88 | - | 117 | 118 | 106.2 - 129.8 | PASS | 1 | 0.85 | - | - | - | - | - | 98.745 | 90 | PASS | PASS - GOOD |
| BI_2504 OS68 | 24 | 27 | 24.3 - 29.7 | FAIL | 2 | 7.41 | - | 2 | 7.41 | - | 474 | 482 | 433.8 - 530.2 | PASS | 8 | 1.66 | - | - | - | - | - | 98.33 | 90 | PASS | PASS - GOOD |
| BI_2504 OS69 | 18 | 19 | 17.1 - 20.9 | PASS | 1 | 5.26 | - | 1 | 5.26 | - | 464 | 465 | 418.5 - 511.5 | PASS | 3 | 0.65 | - | - | - | - | - | 99.463 | 90 | PASS | PASS - GOOD |
| BI_2504 OS70 | 33 | 37 | 33.3 - 40.7 | FAIL | 3 | 8.11 | - | 1 | 2.70 | - | 79 | 83 | 74.7 - 91.3 | PASS | 4 | 4.82 | - | - | - | - | - | 93.976 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2506 OS68 | 45 | 46 | 41.4 - 50.6 | PASS | 0 | 0.00 | - | 1 | 2.17 | - | 126 | 125 | 112.5 - 137.5 | PASS | 0 | 0.00 | - | - | - | - | - | 97.619 | 90 | PASS | PASS - GOOD |
| BI_2506 OS69 | 60 | 62 | 55.8 - 68.2 | PASS | 2 | 3.23 | - | 1 | 1.61 | - | 287 | 289 | 260.1 - 317.9 | PASS | 2 | 0.69 | - | - | - | - | - | 99.306 | 90 | PASS | PASS - GOOD |
| BI_2506 OS70 | 51 | 52 | 46.8 - 57.2 | PASS | 1 | 1.92 | - | 1 | 1.92 | - | 183 | 184 | 165.6 - 202.4 | PASS | 1 | 0.54 | - | - | - | - | - | 99.183 | 90 | PASS | PASS - GOOD |
| BI_2509 OS68 | 31 | 33 | 29.7 - 36.3 | PASS | 1 | 3.03 | - | 3 | 9.09 | - | 183 | 187 | 168.3 - 205.7 | PASS | 3 | 1.60 | - | - | - | - | - | 96.216 | 90 | PASS | PASS - GOOD |
| BI_2509 OS69 | 33 | 33 | 29.7 - 36.3 | PASS | 0 | 0.00 | - | 2 | 6.06 | - | 187 | 191 | 171.9 - 210.1 | PASS | 5 | 2.62 | - | - | - | - | - | 96.296 | 90 | PASS | PASS - GOOD |
| BI_2509 OS70 | 3 | 3 | 2.7 - 3.3 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 4 | 3 | 2.7 - 3.3 | FAIL | 0 | 0.00 | - | - | - | - | - | 85.714 | 90 | FAIL | FAIL - POOR |
| BI_2510 OS68 | 28 | 34 | 30.6 - 37.4 | FAIL | 4 | 11.76 | Reprocess | 2 | 5.88 | Review | 537 | 645 | 580.5 - 709.5 | FAIL | 116 | 17.98 | Reprocess | 16.6387 | 14.8698 | 11.895848 - 17.843772 | PASS | 87.426 | 90 | FAIL | FAIL - POOR |
| BI_2510 OS69 | 12 | 13 | 11.7 - 14.3 | PASS | 1 | 7.69 | - | 2 | 15.38 | - | 54 | 56 | 50.4 - 61.6 | PASS | 1 | 1.79 | - | 0.76036 | 0.5546 | 0.44368 - 0.66552 | FAIL | 90.909 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2510 OS70 | 18 | 21 | 18.9 - 23.1 | FAIL | 2 | 9.52 | - | 2 | 9.52 | - | 33 | 34 | 30.6 - 37.4 | PASS | 1 | 2.94 | - | 0.31255 | 0.2191 | 0.1752768 - 0.2629152 | FAIL | 90.141 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2516 OS68 | 2 | 2 | 1.8 - 2.2 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 15 | 15 | 13.5 - 16.5 | PASS | 0 | 0.00 | - | - | - | - | - | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2516 OS69 | 8 | 9 | 8.1 - 9.9 | FAIL | 1 | 11.11 | - | 0 | 0.00 | - | 6 | 6 | 5.4 - 6.6 | PASS | 0 | 0.00 | - | - | - | - | - | 94.118 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2516 OS70 | 12 | 14 | 12.6 - 15.4 | FAIL | 2 | 14.29 | - | 0 | 0.00 | - | 14 | 17 | 15.3 - 18.7 | FAIL | 3 | 17.65 | - | - | - | - | - | 92.308 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2517 OS68 | 15 | 15 | 13.5 - 16.5 | PASS | 0 | 0.00 | - | 3 | 20.00 | Reprocess | 22 | 22 | 19.8 - 24.2 | PASS | 0 | 0.00 | - | - | - | - | - | 81.818 | 90 | FAIL | FAIL - BAD |
| BI_2517 OS69 | 14 | 15 | 13.5 - 16.5 | PASS | 1 | 6.67 | - | 1 | 6.67 | - | 18 | 18 | 16.2 - 19.8 | PASS | 0 | 0.00 | - | - | - | - | - | 91.892 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2517 OS70 | 61 | 71 | 63.9 - 78.1 | FAIL | 5 | 7.04 | - | 3 | 4.23 | - | 186 | 208 | 187.2 - 228.8 | FAIL | 25 | 12.02 | - | - | - | - | - | 90.291 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2519 OS68 | 16 | 16 | 14.4 - 17.6 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 116 | 116 | 104.4 - 127.6 | PASS | 0 | 0.00 | - | - | - | - | - | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2519 OS69 | 10 | 10 | 9 - 11 | PASS | 0 | 0.00 | - | 1 | 10.00 | - | 139 | 140 | 126 - 154 | PASS | 0 | 0.00 | - | 0.047 | 0.0344 | 0.02752 - 0.04128 | FAIL | 98.925 | 90 | PASS | PASS - GOOD |
| BI_2519 OS70 | 8 | 8 | 7.2 - 8.8 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 26 | 26 | 23.4 - 28.6 | PASS | 0 | 0.00 | - | 0.0328 | 0.0321 | 0.02568 - 0.03852 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2525 OS68 | 10 | 16 | 14.4 - 17.6 | FAIL | 6 | 37.50 | Reprocess | 2 | 12.50 | Review | 26 | 52 | 46.8 - 57.2 | FAIL | 26 | 50.00 | Reprocess | - | - | - | - | 43.59 | 90 | FAIL | FAIL - BAD |
| BI_2525 OS69 | 10 | 12 | 10.8 - 13.2 | FAIL | 2 | 16.67 | Review | 4 | 33.33 | Reprocess | 13 | 26 | 23.4 - 28.6 | FAIL | 13 | 50.00 | Reprocess | - | - | - | - | 41.026 | 90 | FAIL | FAIL - BAD |
| BI_2525 OS70 | 16 | 25 | 22.5 - 27.5 | FAIL | 8 | 32.00 | Reprocess | 4 | 16.00 | Reprocess | 23 | 31 | 27.9 - 34.1 | FAIL | 8 | 25.81 | Reprocess | - | - | - | - | 64.286 | 90 | FAIL | FAIL - BAD |
| BI_2526 OS68 | 32 | 34 | 30.6 - 37.4 | PASS | 1 | 2.94 | - | 4 | 14.71 | - | 301 | 320 | 288 - 352 | PASS | 18 | 5.63 | - | - | - | - | - | 90.499 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2526 OS69 | 58 | 68 | 61.2 - 74.8 | FAIL | 9 | 13.24 | Reprocess | 5 | 8.88 | Review | 212 | 246 | 221.4 - 270.6 | FAIL | 36 | 14.63 | Reprocess | - | - | - | - | 87.607 | 90 | FAIL | FAIL - POOR |
| BI_2526 OS70 | 28 | 32 | 28.8 - 35.2 | FAIL | 4 | 12.50 | - | 1 | 3.13 | - | 64 | 69 | 62.1 - 75.9 | PASS | 5 | 7.25 | - | - | - | - | - | 91.971 | 90 | PASS | PASS - ACCEPTABLE |

NB. This table details the findings of the audit only. For details of Own Sample remedial action please refer to NMBAQCS Year 26 Annual report, section 2.4.

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|--------------|--------------------|----|-------------|-------------|-------------|----------|-----------------|------------------|-------|-----------------|-----------------|------|-----------------|-------------|-------------|----------|-----------------|-----------------------|---------|-----------------------|-------------|------------------|--------|-------------|--------------------|
| | Estimation of Taxa | | | | | | | Taxonomic errors | | | No. Individuals | | | | | | | Estimation of Biomass | | | | Similarity Index | | | Sample Flag |
| | OD | AD | Target | Pass / Fail | Missed Taxa | % Missed | Remedial Action | OD | % | Remedial Action | OD | AD | Target | Pass / Fail | Missed Ind. | % Missed | Remedial Action | OD | AD | Target | Pass / Fail | BCSI % | Target | Pass / Fail | NMBAQC Sample Flag |
| BI_2527 OS68 | 10 | 10 | 9 - 11 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 295 | 290 | 261 - 319 | PASS | 0 | 0.00 | - | - | - | - | - | 98.812 | 90 | PASS | PASS - GOOD |
| BI_2527 OS69 | 24 | 25 | 22.5 - 27.5 | PASS | 1 | 4.00 | - | 0 | 0.00 | - | 43 | 45 | 40.5 - 49.5 | PASS | 2 | 4.44 | - | - | - | - | - | 97.872 | 90 | PASS | PASS - GOOD |
| BI_2527 OS70 | 5 | 5 | 4.5 - 5.5 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 6 | 6 | 5.4 - 6.6 | PASS | 0 | 0.00 | - | - | - | - | - | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2528 OS68 | 13 | 18 | 16.2 - 19.8 | FAIL | 5 | 27.78 | Reprocess | 4 | 22.22 | Reprocess | 47 | 65 | 58.5 - 71.5 | FAIL | 18 | 27.69 | Reprocess | - | - | - | - | 69.492 | 90 | FAIL | FAIL - BAD |
| BI_2528 OS69 | 19 | 26 | 23.4 - 28.6 | FAIL | 7 | 26.92 | Reprocess | 6 | 23.08 | Reprocess | 204 | 246 | 221.4 - 270.6 | FAIL | 47 | 19.11 | Reprocess | - | - | - | - | 64.192 | 90 | FAIL | FAIL - BAD |
| BI_2528 OS70 | 14 | 21 | 18.9 - 23.1 | FAIL | 5 | 23.81 | Reprocess | 5 | 23.81 | Reprocess | 104 | 121 | 108.9 - 133.1 | FAIL | 24 | 19.83 | Reprocess | - | - | - | - | 30.769 | 90 | FAIL | FAIL - BAD |
| BI_2529 OS68 | 13 | 13 | 11.7 - 14.3 | PASS | 0 | 0.00 | - | 1 | 7.69 | - | 24 | 24 | 21.6 - 26.4 | PASS | 0 | 0.00 | - | 0.0786 | 0.0843 | 0.06744 - 0.10116 | PASS | 96.67 | 90 | PASS | PASS - GOOD |
| BI_2529 OS69 | 86 | 86 | 77.4 - 94.6 | PASS | 0 | 0.00 | - | 1 | 1.16 | - | 315 | 316 | 284.4 - 347.6 | PASS | 1 | 0.32 | - | 8.41502 | 9.0421 | 7.23368 - 10.85052 | PASS | 99.44 | 90 | PASS | PASS - GOOD |
| BI_2529 OS70 | 68 | 67 | 60.3 - 73.7 | PASS | 0 | 0.00 | - | 2 | 2.99 | - | 207 | 208 | 187.2 - 228.8 | PASS | 1 | 0.48 | - | 15.1695 | 13.9443 | 11.15544 - 16.73316 | PASS | 99.76 | 90 | PASS | PASS - GOOD |
| BI_2530 OS68 | 49 | 50 | 45 - 55 | PASS | 0 | 0.00 | - | 1 | 2.00 | - | 304 | 304 | 273.6 - 334.4 | PASS | 0 | 0.00 | - | - | - | - | - | 99.512 | 90 | PASS | PASS - GOOD |
| BI_2530 OS69 | 55 | 57 | 51.3 - 62.7 | PASS | 2 | 3.51 | - | 2 | 3.51 | - | 158 | 161 | 144.9 - 177.1 | PASS | 3 | 1.86 | - | - | - | - | - | 97.297 | 90 | PASS | PASS - GOOD |
| BI_2530 OS70 | 61 | 64 | 57.6 - 70.4 | PASS | 2 | 3.13 | - | 3 | 4.69 | - | 172 | 174 | 156.6 - 191.4 | PASS | 2 | 1.15 | - | - | - | - | - | 96.809 | 90 | PASS | PASS - GOOD |
| BI_2531 OS68 | 25 | 25 | 22.5 - 27.5 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 43 | 42 | 37.8 - 46.2 | PASS | 0 | 0.00 | - | - | - | - | - | 98.824 | 90 | PASS | PASS - GOOD |
| BI_2531 OS69 | 53 | 55 | 49.5 - 60.5 | PASS | 2 | 3.64 | - | 3 | 5.45 | - | 130 | 139 | 125.1 - 152.9 | PASS | 11 | 7.91 | - | - | - | - | - | 91.575 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2531 OS70 | 41 | 47 | 42.3 - 51.7 | FAIL | 5 | 10.64 | - | 2 | 4.26 | - | 92 | 94 | 84.6 - 103.4 | PASS | 5 | 5.32 | - | - | - | - | - | 91.979 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2532 OS68 | 21 | 21 | 18.9 - 23.1 | PASS | 1 | 4.76 | - | 0 | 0.00 | - | 178 | 181 | 162.9 - 199.1 | PASS | 3 | 1.66 | - | - | - | - | - | 98.645 | 90 | PASS | PASS - GOOD |
| BI_2532 OS69 | 53 | 57 | 51.3 - 62.7 | PASS | 4 | 7.02 | - | 1 | 1.75 | - | 287 | 328 | 295.2 - 360.8 | FAIL | 42 | 12.80 | - | - | - | - | - | 93.098 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2532 OS70 | 41 | 42 | 37.8 - 46.2 | PASS | 1 | 2.38 | - | 1 | 2.38 | - | 103 | 116 | 104.4 - 127.6 | FAIL | 12 | 10.34 | - | - | - | - | - | 93.506 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2533 OS68 | 30 | 31 | 27.9 - 34.1 | PASS | 1 | 3.23 | - | 1 | 3.23 | - | 240 | 236 | 212.4 - 259.6 | PASS | 1 | 0.42 | - | 14.2086 | 13.9034 | 11.12272 - 16.68408 | PASS | 98.113 | 90 | PASS | PASS - GOOD |
| BI_2533 OS69 | 20 | 23 | 20.7 - 25.3 | FAIL | 3 | 13.04 | Reprocess | 1 | 4.35 | - | 78 | 84 | 75.6 - 92.4 | PASS | 9 | 10.71 | Reprocess | 2.5802 | 2.5045 | 2.0036 - 3.0054 | PASS | 57.143 | 90 | FAIL | FAIL - BAD |
| BI_2533 OS70 | 20 | 21 | 18.9 - 23.1 | PASS | 1 | 4.76 | - | 1 | 4.76 | - | 104 | 104 | 93.6 - 114.4 | PASS | 1 | 0.96 | - | 6.0513 | 5.4776 | 4.38208 - 6.57312 | PASS | 93.897 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2534 OS68 | 38 | 43 | 38.7 - 47.3 | FAIL | 5 | 11.63 | - | 0 | 0.00 | - | 243 | 245 | 220.5 - 269.5 | PASS | 4 | 1.63 | - | 0.3416 | 0.2868 | 0.22944 - 0.34416 | PASS | 98 | 90 | PASS | PASS - GOOD |
| BI_2534 OS69 | 20 | 20 | 18 - 22 | PASS | 1 | 5.00 | - | 1 | 5.00 | - | 1176 | 1169 | 1052.1 - 1285.9 | PASS | 2 | 0.17 | - | 0.9296 | 0.9025 | 0.722 - 1.083 | PASS | 99.108 | 90 | PASS | PASS - GOOD |
| BI_2534 OS70 | 23 | 23 | 20.7 - 25.3 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 4177 | 4150 | 3735 - 4565 | PASS | 8 | 0.19 | - | 14.7834 | 12.3562 | 9.88496 - 14.82744 | PASS | 99.364 | 90 | PASS | PASS - GOOD |
| BI_2535 OS68 | 28 | 34 | 30.6 - 37.4 | FAIL | 6 | 17.65 | Reprocess | 0 | 0.00 | - | 35 | 48 | 43.2 - 52.8 | FAIL | 13 | 27.08 | Reprocess | 0.2364 | 0.2698 | 0.21584 - 0.32376 | PASS | 86.239 | 90 | FAIL | FAIL - POOR |
| BI_2535 OS69 | 5 | 5 | 4.5 - 5.5 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 10 | 10 | 9 - 11 | PASS | 0 | 0.00 | - | 0.0709 | 0.0658 | 0.05264 - 0.07896 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2535 OS70 | 71 | 70 | 63 - 77 | PASS | 0 | 0.00 | - | 1 | 1.43 | - | 636 | 596 | 536.4 - 655.6 | PASS | 0 | 0.00 | - | 124.607 | 126.023 | 100.81856 - 151.22784 | PASS | 96.682 | 90 | PASS | PASS - GOOD |
| BI_2536 OS68 | 11 | 11 | 9.9 - 12.1 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 274 | 280 | 252 - 308 | PASS | 2 | 0.71 | - | 0.3369 | 0.3577 | 0.28616 - 0.42924 | PASS | 98.917 | 90 | PASS | PASS - GOOD |
| BI_2536 OS69 | 9 | 9 | 8.1 - 9.9 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 40 | 42 | 37.8 - 46.2 | PASS | 1 | 2.38 | - | 0.0364 | 0.0341 | 0.02728 - 0.04092 | PASS | 97.561 | 90 | PASS | PASS - GOOD |
| BI_2536 OS70 | 11 | 11 | 9.9 - 12.1 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 70 | 70 | 63 - 77 | PASS | 0 | 0.00 | - | 0.0258 | 0.0254 | 0.02032 - 0.03048 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2537 OS68 | 7 | 8 | 7.2 - 8.8 | FAIL | 0 | 0.00 | - | 0 | 0.00 | - | 276 | 277 | 249.3 - 304.7 | PASS | 2 | 0.72 | - | 1.0728 | 0.7163 | 0.57304 - 0.85956 | FAIL | 99.458 | 90 | PASS | PASS - GOOD |
| BI_2537 OS69 | 3 | 3 | 2.7 - 3.3 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 4 | 4 | 3.6 - 4.4 | PASS | 0 | 0.00 | - | 0.2256 | 0.2041 | 0.16328 - 0.24492 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2537 OS70 | 6 | 6 | 5.4 - 6.6 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 9 | 9 | 8.1 - 9.9 | PASS | 0 | 0.00 | - | 0.0082 | 0.0057 | 0.00456 - 0.00684 | FAIL | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2538 OS68 | 3 | 3 | 2.7 - 3.3 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 3 | 3 | 2.7 - 3.3 | PASS | 0 | 0.00 | - | - | - | - | - | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2538 OS69 | 10 | 10 | 9 - 11 | PASS | 0 | 0.00 | - | 1 | 10.00 | - | 753 | 740 | 666 - 814 | PASS | 1 | 0.14 | - | - | - | - | - | 94.181 | 90 | PASS | PASS - ACCEPTABLE |
| BI_2538 OS70 | 5 | 6 | 5.4 - 6.6 | FAIL | 1 | 16.67 | - | 0 | 0.00 | - | 18 | 19 | 17.1 - 20.9 | PASS | 1 | 5.26 | - | - | - | - | - | 97.297 | 90 | PASS | PASS - GOOD |

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|--------------|--------------------|----|-------------|-------------|-------------|----------|-----------------|------------------|------|-----------------|-----------------|-----|---------------|-------------|-------------|----------|-----------------------|--------|--------|-------------------|------------------|--------|--------|-------------|--------------------|
| | Estimation of Taxa | | | | | | | Taxonomic errors | | | No. Individuals | | | | | | Estimation of Biomass | | | | Similarity Index | | | Sample Flag | |
| | OD | AD | Target | Pass / Fail | Missed Taxa | % Missed | Remedial Action | OD | % | Remedial Action | OD | AD | Target | Pass / Fail | Missed Ind. | % Missed | Remedial Action | OD | AD | Target | Pass / Fail | BCSI % | Target | Pass / Fail | NMBAQC Sample Flag |
| BI_2539 OS68 | 6 | 6 | 5.4 - 6.6 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 42 | 44 | 39.6 - 48.4 | PASS | 2 | 4.55 | - | - | - | - | - | 97.674 | 90 | PASS | PASS - GOOD |
| BI_2539 OS69 | 11 | 12 | 10.8 - 13.2 | PASS | 1 | 8.33 | Review | 1 | 8.33 | Review | 185 | 187 | 168.3 - 205.7 | PASS | 8 | 4.28 | - | - | - | - | - | 81.72 | 90 | FAIL | FAIL - BAD |
| BI_2539 OS70 | 11 | 11 | 9.9 - 12.1 | PASS | 1 | 9.09 | - | 0 | 0.00 | - | 340 | 336 | 302.4 - 369.6 | PASS | 1 | 0.30 | - | 0.5643 | 0.3819 | 0.30552 - 0.45828 | FAIL | 98.966 | 90 | PASS | PASS - GOOD |
| BI_2540 OS68 | 4 | 6 | 5.4 - 6.6 | FAIL | 2 | 33.33 | - | 0 | 0.00 | - | 52 | 54 | 48.6 - 59.4 | PASS | 3 | 5.56 | - | - | - | - | - | 95.327 | 90 | PASS | PASS - GOOD |
| BI_2540 OS69 | 6 | 6 | 5.4 - 6.6 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 359 | 382 | 343.8 - 420.2 | PASS | 22 | 5.76 | - | - | - | - | - | 96.896 | 90 | PASS | PASS - GOOD |
| BI_2540 OS70 | 12 | 12 | 10.8 - 13.2 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 33 | 33 | 29.7 - 36.3 | PASS | 0 | 0.00 | - | 0.1003 | 0.0954 | 0.07632 - 0.11448 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2541 OS68 | 4 | 4 | 3.6 - 4.4 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 13 | 13 | 11.7 - 14.3 | PASS | 0 | 0.00 | - | - | - | - | - | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2541 OS69 | 24 | 24 | 21.6 - 26.4 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 184 | 185 | 166.5 - 203.5 | PASS | 2 | 1.08 | - | 0.1422 | 0.169 | 0.1352 - 0.2028 | PASS | 99.187 | 90 | PASS | PASS - GOOD |
| BI_2541 OS70 | 72 | 78 | 70.2 - 85.8 | PASS | 5 | 6.41 | - | 1 | 1.28 | - | 228 | 236 | 212.4 - 259.6 | PASS | 8 | 3.39 | - | - | - | - | - | 97.6 | 90 | PASS | PASS - GOOD |
| BI_2542 OS68 | 10 | 10 | 9 - 11 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 447 | 449 | 404.1 - 493.9 | PASS | 1 | 0.22 | - | 1.6703 | 1.6969 | 1.35752 - 2.03628 | PASS | 99.777 | 90 | PASS | PASS - GOOD |
| BI_2542 OS69 | 13 | 13 | 11.7 - 14.3 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 297 | 299 | 269.1 - 328.9 | PASS | 1 | 0.33 | - | 0.216 | 0.2174 | 0.17392 - 0.26088 | PASS | 99.666 | 90 | PASS | PASS - GOOD |
| BI_2542 OS70 | 8 | 8 | 7.2 - 8.8 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 92 | 92 | 82.8 - 101.2 | PASS | 0 | 0.00 | - | 0.0391 | 0.0406 | 0.03248 - 0.04872 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2543 OS68 | 9 | 9 | 8.1 - 9.9 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 50 | 50 | 45 - 55 | PASS | 0 | 0.00 | - | 0.4087 | 0.3641 | 0.29128 - 0.43692 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |
| BI_2543 OS69 | 10 | 10 | 9 - 11 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 126 | 127 | 114.3 - 139.7 | PASS | 0 | 0.00 | - | 0.2396 | 0.2515 | 0.2012 - 0.3018 | PASS | 99.605 | 90 | PASS | PASS - GOOD |
| BI_2543 OS70 | 11 | 11 | 9.9 - 12.1 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 85 | 84 | 75.6 - 92.4 | PASS | 0 | 0.00 | - | 0.3641 | 0.3744 | 0.29952 - 0.44928 | PASS | 99.408 | 90 | PASS | PASS - GOOD |
| BI_2544 OS68 | 10 | 10 | 9 - 11 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 26 | 27 | 24.3 - 29.7 | PASS | 1 | 3.70 | - | 0.0357 | 0.0506 | 0.04048 - 0.06072 | FAIL | 98.182 | 90 | PASS | PASS - GOOD |
| BI_2544 OS69 | 5 | 5 | 4.5 - 5.5 | PASS | 0 | 0.00 | - | 0 | 0.00 | - | 9 | 9 | 8.1 - 9.9 | PASS | 0 | 0.00 | - | 0.0741 | 0.0763 | 0.06104 - 0.09156 | PASS | 100 | 90 | PASS | PASS - EXCELLENT |

Key:

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

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS68-70).

| LabCode | | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | Other | Overall |
|---------|------|----------|----------|------------|-------------|-------------|-----------|----------|---------------|-------|---------|
| BI_2501 | OS68 | AD count | 1 | 82 | - | 1 | 18 | 47 | 18 | 61 | 228 |
| | | Missed | 1 | 22 | - | 0 | 2 | 25 | 5 | 7 | 62 |
| | | %missed | 100.0 | 26.8 | - | 0.0 | 11.1 | 53.2 | 27.8 | 11.5 | 27.2 |
| | OS69 | AD count | 5 | 48 | - | - | 16 | 7 | 8 | - | 84 |
| | | Missed | 2 | 2 | - | - | 1 | 0 | 0 | - | 5 |
| | | %missed | 40.0 | 4.2 | - | - | 6.3 | 0.0 | 0.0 | - | 6.0 |
| | OS70 | AD count | 8 | 23 | - | - | 62 | 122 | 94 | 75 | 384 |
| | | Missed | 3 | 3 | - | - | 7 | 22 | 9 | 45 | 89 |
| | | %missed | 37.5 | 13.0 | - | - | 11.3 | 18.0 | 9.6 | 60.0 | 23.2 |
| BI_2502 | OS68 | AD count | 6 | 471 | - | - | 478 | 177 | 10 | 27 | 1169 |
| | | Missed | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 |
| | | %missed | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | OS69 | AD count | 4 | 286 | - | 2 | 555 | 205 | 12 | 218 | 1282 |
| | | Missed | 0 | 2 | - | 0 | 0 | 4 | 0 | 3 | 9 |
| | | %missed | 0.0 | 0.7 | - | 0.0 | 0.0 | 2.0 | 0.0 | 1.4 | 0.7 |
| | OS70 | AD count | - | 37 | 7 | - | 7 | 79 | - | 12 | 142 |
| | | Missed | - | 0 | 0 | - | 0 | 0 | - | 0 | 0 |
| | | %missed | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | 0.0 | 0.0 |
| BI_2503 | OS68 | AD count | 1 | 5 | - | - | 13 | - | - | - | 19 |
| | | Missed | 0 | 0 | - | - | 0 | - | - | - | 0 |
| | | %missed | 0.0 | 0.0 | - | - | 0.0 | - | - | - | 0.0 |
| | OS69 | AD count | - | 1 | - | - | - | - | - | - | 1 |
| | | Missed | - | 0 | - | - | - | - | - | - | 0 |
| | | %missed | - | 0.0 | - | - | - | - | - | - | 0.0 |
| | OS70 | AD count | - | 96 | - | - | 10 | 12 | - | - | 118 |
| | | Missed | - | 0 | - | - | 0 | 1 | - | - | 1 |
| | | %missed | - | 0.0 | - | - | 0.0 | 8.3 | - | - | 0.8 |
| BI_2504 | OS68 | AD count | 10 | 458 | - | - | - | 11 | - | 3 | 482 |
| | | Missed | 0 | 6 | - | - | - | 2 | - | 0 | 8 |
| | | %missed | 0.0 | 1.3 | - | - | - | 18.2 | - | 0.0 | 1.7 |
| | OS69 | AD count | - | 445 | - | - | 1 | 18 | 1 | - | 465 |
| | | Missed | - | 2 | - | - | 1 | 0 | 0 | - | 3 |
| | | %missed | - | 0.4 | - | - | 100.0 | 0.0 | 0.0 | - | 0.6 |
| | OS70 | AD count | 1 | 28 | - | - | 11 | 17 | 24 | 2 | 83 |
| | | Missed | 0 | 3 | - | - | 0 | 1 | 0 | 0 | 4 |
| | | %missed | 0.0 | 10.7 | - | - | 0.0 | 5.9 | 0.0 | 0.0 | 4.8 |
| BI_2506 | OS68 | AD count | 3 | 82 | - | - | 15 | 13 | 10 | 2 | 125 |
| | | Missed | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 |
| | | %missed | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | OS69 | AD count | 2 | 198 | - | - | 15 | 50 | 9 | 15 | 289 |
| | | Missed | 0 | 0 | - | - | 0 | 1 | 0 | 1 | 2 |
| | | %missed | 0.0 | 0.0 | - | - | 0.0 | 2.0 | 0.0 | 6.7 | 0.7 |
| | OS70 | AD count | 2 | 113 | - | - | 14 | 40 | 11 | 4 | 184 |
| | | Missed | 0 | 0 | - | - | 0 | 0 | 0 | 1 | 1 |
| | | %missed | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 25.0 | 0.5 |
| BI_2509 | OS68 | AD count | 1 | 117 | - | - | 22 | 19 | 21 | 7 | 187 |
| | | Missed | 0 | 1 | - | - | 0 | 1 | 0 | 1 | 3 |
| | | %missed | 0.0 | 0.9 | - | - | 0.0 | 5.3 | 0.0 | 14.3 | 1.6 |
| | OS69 | AD count | - | 100 | - | - | 5 | 39 | 42 | 5 | 191 |
| | | Missed | - | 1 | - | - | 0 | 1 | 1 | 2 | 5 |
| | | %missed | - | 1.0 | - | - | 0.0 | 2.6 | 2.4 | 40.0 | 2.6 |
| | OS70 | AD count | - | 1 | - | - | 1 | - | 1 | - | 3 |
| | | Missed | - | 0 | - | - | 0 | - | 0 | - | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | - | 0.0 | - | 0.0 |
| BI_2510 | OS68 | AD count | - | 224 | 105 | - | 4 | 310 | - | 2 | 645 |
| | | Missed | - | 40 | 0 | - | 0 | 74 | - | 2 | 116 |
| | | %missed | - | 17.9 | 0.0 | - | 0.0 | 23.9 | - | 100.0 | 18.0 |
| | OS69 | AD count | - | 27 | - | - | 28 | - | - | 1 | 56 |
| | | Missed | - | 0 | - | - | 0 | - | - | 1 | 1 |
| | | %missed | - | 0.0 | - | - | 0.0 | - | - | 100.0 | 1.8 |
| | OS70 | AD count | - | 22 | - | - | 9 | 2 | - | 1 | 34 |
| | | Missed | - | 0 | - | - | 0 | 0 | - | 1 | 1 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | - | 100.0 | 2.9 |

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS68-70).

| LabCode | | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | Other | Overall |
|---------|------|----------|----------|------------|-------------|-------------|-----------|----------|---------------|-------|---------|
| BI_2516 | OS68 | AD count | - | 2 | - | - | 13 | - | - | - | 15 |
| | | Missed | - | 0 | - | - | 0 | - | - | - | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | - | - | - | 0.0 |
| | OS69 | AD count | - | 4 | - | - | - | 2 | - | - | 6 |
| | | Missed | - | 0 | - | - | - | 0 | - | - | 0 |
| | | %missed | - | 0.0 | - | - | - | 0.0 | - | - | 0.0 |
| | OS70 | AD count | - | 5 | - | - | - | 8 | 3 | 1 | 17 |
| | | Missed | - | 1 | - | - | - | 0 | 1 | 1 | 3 |
| | | %missed | - | 20.0 | - | - | - | 0.0 | 33.3 | 100.0 | 17.6 |
| BI_2517 | OS68 | AD count | - | 6 | - | - | 3 | 13 | - | - | 22 |
| | | Missed | - | 0 | - | - | 0 | 0 | - | - | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 |
| | OS69 | AD count | - | 11 | - | - | 3 | 4 | - | - | 18 |
| | | Missed | - | 0 | - | - | 0 | 0 | - | - | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 |
| | OS70 | AD count | 1 | 53 | - | - | 18 | 58 | 41 | 37 | 208 |
| | | Missed | 1 | 5 | - | - | 0 | 5 | 0 | 14 | 25 |
| | | %missed | 100.0 | 9.4 | - | - | 0.0 | 8.6 | 0.0 | 37.8 | 12.0 |
| BI_2519 | OS68 | AD count | - | 78 | 14 | - | - | 8 | - | 16 | 116 |
| | | Missed | - | 0 | 0 | - | - | 0 | - | 0 | 0 |
| | | %missed | - | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 | 0.0 |
| | OS69 | AD count | - | 69 | 25 | - | 46 | - | - | - | 140 |
| | | Missed | - | 0 | 0 | - | 0 | - | - | - | 0 |
| | | %missed | - | 0.0 | 0.0 | - | 0.0 | - | - | - | 0.0 |
| | OS70 | AD count | - | 5 | - | - | 11 | 10 | - | - | 26 |
| | | Missed | - | 0 | - | - | 0 | 0 | - | - | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 |
| BI_2525 | OS68 | AD count | - | 2 | - | - | 22 | 28 | - | - | 52 |
| | | Missed | - | 1 | - | - | 1 | 24 | - | - | 26 |
| | | %missed | - | 50.0 | - | - | 4.5 | 85.7 | - | - | 50.0 |
| | OS69 | AD count | - | 9 | - | - | 1 | 12 | - | 4 | 26 |
| | | Missed | - | 2 | - | - | 0 | 9 | - | 2 | 13 |
| | | %missed | - | 22.2 | - | - | 0.0 | 75.0 | - | 50.0 | 50.0 |
| | OS70 | AD count | 1 | 27 | - | - | 3 | - | - | - | 31 |
| | | Missed | 1 | 7 | - | - | 0 | - | - | - | 8 |
| | | %missed | 100.0 | 25.9 | - | - | 0.0 | - | - | - | 25.8 |
| BI_2526 | OS68 | AD count | 5 | 61 | 114 | - | 121 | 6 | 7 | 6 | 320 |
| | | Missed | 0 | 2 | 8 | - | 0 | 4 | 0 | 4 | 18 |
| | | %missed | 0.0 | 3.3 | 7.0 | - | 0.0 | 66.7 | 0.0 | 66.7 | 5.6 |
| | OS69 | AD count | 3 | 109 | 3 | 1 | 109 | 11 | 6 | 4 | 246 |
| | | Missed | 2 | 12 | 0 | 0 | 15 | 5 | 1 | 1 | 36 |
| | | %missed | 66.7 | 11.0 | 0.0 | 0.0 | 13.8 | 45.5 | 16.7 | 25.0 | 14.6 |
| | OS70 | AD count | 1 | 13 | - | - | 41 | 10 | 2 | 2 | 69 |
| | | Missed | 0 | 0 | - | - | 4 | 0 | 0 | 1 | 5 |
| | | %missed | 0.0 | 0.0 | - | - | 9.8 | 0.0 | 0.0 | 50.0 | 7.2 |
| BI_2527 | OS68 | AD count | - | 269 | 10 | - | - | 4 | - | 7 | 290 |
| | | Missed | - | 0 | 0 | - | - | 0 | - | 0 | 0 |
| | | %missed | - | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 | 0.0 |
| | OS69 | AD count | - | 22 | 7 | - | - | 11 | 5 | - | 45 |
| | | Missed | - | 2 | 0 | - | - | 0 | 0 | - | 2 |
| | | %missed | - | 9.1 | 0.0 | - | - | 0.0 | 0.0 | - | 4.4 |
| | OS70 | AD count | - | - | - | - | - | 3 | 2 | 1 | 6 |
| | | Missed | - | - | - | - | - | 0 | 0 | 0 | 0 |
| | | %missed | - | - | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 |
| BI_2528 | OS68 | AD count | - | 36 | - | - | 6 | 23 | - | - | 65 |
| | | Missed | - | 4 | - | - | 3 | 11 | - | - | 18 |
| | | %missed | - | 11.1 | - | - | 50.0 | 47.8 | - | - | 27.7 |
| | OS69 | AD count | - | 58 | - | 2 | 1 | 132 | - | 53 | 246 |
| | | Missed | - | 6 | - | 2 | 0 | 4 | - | 35 | 47 |
| | | %missed | - | 10.3 | - | 100.0 | 0.0 | 3.0 | - | 66.0 | 19.1 |
| | OS70 | AD count | - | 23 | 7 | - | 89 | 2 | - | - | 121 |
| | | Missed | - | 4 | 3 | - | 15 | 2 | - | - | 24 |
| | | %missed | - | 17.4 | 42.9 | - | 16.9 | 100.0 | - | - | 19.8 |

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS68-70).

| LabCode | | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | Other | Overall |
|---------|------|----------|----------|------------|-------------|-------------|-----------|----------|---------------|-------|---------|
| BI_2529 | OS68 | AD count | - | 10 | - | - | - | 14 | - | - | 24 |
| | | Missed | - | 0 | - | - | - | - | - | - | 0 |
| | | %missed | - | 0.0 | - | - | - | 0.0 | - | - | 0.0 |
| | OS69 | AD count | 4 | 168 | - | 12 | 13 | 36 | 45 | 38 | 316 |
| | | Missed | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | 1 |
| | | %missed | 0.0 | 0.6 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| | OS70 | AD count | 5 | 133 | - | 1 | 5 | 9 | 39 | 16 | 208 |
| | | Missed | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | 1 |
| | | %missed | 0.0 | 0.8 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| BI_2530 | OS68 | AD count | 2 | 229 | - | - | 36 | 32 | 3 | 2 | 304 |
| | | Missed | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 |
| | | %missed | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | OS69 | AD count | - | 130 | - | - | 7 | 23 | 1 | - | 161 |
| | | Missed | - | 0 | - | - | 1 | 2 | 0 | - | 3 |
| | | %missed | - | 0.0 | - | - | 14.3 | 8.7 | 0.0 | - | 1.9 |
| | OS70 | AD count | 17 | 115 | - | - | 9 | 20 | 11 | 2 | 174 |
| | | Missed | 0 | 1 | - | - | 0 | 0 | 0 | 1 | 2 |
| | | %missed | 0.0 | 0.9 | - | - | 0.0 | 0.0 | 0.0 | 50.0 | 1.1 |
| BI_2531 | OS68 | AD count | - | 21 | - | - | 10 | 4 | 1 | 6 | 42 |
| | | Missed | - | 0 | - | - | 0 | 0 | 0 | 0 | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | OS69 | AD count | - | 52 | - | - | 22 | 36 | 19 | 10 | 139 |
| | | Missed | - | 0 | - | - | 0 | 11 | 0 | 0 | 11 |
| | | %missed | - | 0.0 | - | - | 0.0 | 30.6 | 0.0 | 0.0 | 7.9 |
| | OS70 | AD count | 1 | 28 | - | - | 24 | 17 | 14 | 10 | 94 |
| | | Missed | 0 | 1 | - | - | 2 | 0 | 0 | 2 | 5 |
| | | %missed | 0.0 | 3.6 | - | - | 8.3 | 0.0 | 0.0 | 20.0 | 5.3 |
| BI_2532 | OS68 | AD count | - | 39 | - | 1 | 4 | 135 | - | 2 | 181 |
| | | Missed | - | 3 | - | 0 | 0 | 0 | - | 0 | 3 |
| | | %missed | - | 7.7 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | 1.7 |
| | OS69 | AD count | 4 | 221 | 1 | 3 | 55 | 14 | 20 | 10 | 328 |
| | | Missed | 0 | 37 | 1 | 0 | 0 | 0 | 0 | 4 | 42 |
| | | %missed | 0.0 | 16.7 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.0 | 12.8 |
| | OS70 | AD count | 1 | 53 | - | 3 | 36 | 10 | 2 | 11 | 116 |
| | | Missed | 0 | 7 | - | 0 | 1 | 2 | 0 | 2 | 12 |
| | | %missed | 0.0 | 13.2 | - | 0.0 | 2.8 | 20.0 | 0.0 | 18.2 | 10.3 |
| BI_2533 | OS68 | AD count | 4 | 155 | - | - | 51 | 24 | - | 2 | 236 |
| | | Missed | 0 | 0 | - | - | 0 | 1 | - | 0 | 1 |
| | | %missed | 0.0 | 0.0 | - | - | 0.0 | 4.2 | - | 0.0 | 0.4 |
| | OS69 | AD count | 1 | 39 | 33 | - | - | 7 | - | 4 | 84 |
| | | Missed | 0 | 2 | 1 | - | - | 4 | - | 2 | 9 |
| | | %missed | 0.0 | 5.1 | 3.0 | - | - | 57.1 | - | 50.0 | 10.7 |
| | OS70 | AD count | 3 | 62 | 5 | - | - | 28 | 5 | 1 | 104 |
| | | Missed | 0 | 0 | 0 | - | - | 1 | 0 | 0 | 1 |
| | | %missed | 0.0 | 0.0 | 0.0 | - | - | 3.6 | 0.0 | 0.0 | 1.0 |
| BI_2534 | OS68 | AD count | - | 156 | 1 | - | 62 | 24 | - | 2 | 245 |
| | | Missed | - | 2 | 0 | - | 1 | 1 | - | 0 | 4 |
| | | %missed | - | 1.3 | 0.0 | - | 1.6 | 4.2 | - | 0.0 | 1.6 |
| | OS69 | AD count | - | 39 | 248 | - | 12 | 799 | - | 71 | 1169 |
| | | Missed | - | 1 | 0 | - | 1 | 0 | - | 0 | 2 |
| | | %missed | - | 2.6 | 0.0 | - | 8.3 | 0.0 | - | 0.0 | 0.2 |
| | OS70 | AD count | - | 748 | 1311 | - | 466 | 1624 | - | 1 | 4150 |
| | | Missed | - | 0 | 3 | - | 0 | 5 | - | 0 | 8 |
| | | %missed | - | 0.0 | 0.2 | - | 0.0 | 0.3 | - | 0.0 | 0.2 |
| BI_2535 | OS68 | AD count | - | 24 | - | - | 17 | 5 | - | 2 | 48 |
| | | Missed | - | 13 | - | - | 0 | 0 | - | 0 | 13 |
| | | %missed | - | 54.2 | - | - | 0.0 | 0.0 | - | 0.0 | 27.1 |
| | OS69 | AD count | - | 7 | - | - | 3 | - | - | - | 10 |
| | | Missed | - | 0 | - | - | 0 | - | - | - | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | - | - | - | 0.0 |
| | OS70 | AD count | 6 | 471 | 18 | 14 | 17 | 48 | - | 22 | 596 |
| | | 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 |

Table 2. Comparison of the extraction efficiency by the participating laboratories for the major taxonomic groups present in Own Samples (OS68-70).

| LabCode | | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | Other | Overall |
|---------|------|----------|----------|------------|-------------|-------------|-----------|----------|---------------|-------|---------|
| BI_2536 | OS68 | AD count | - | 182 | - | - | 1 | 97 | - | - | 280 |
| | | Missed | - | 0 | - | - | 0 | 2 | - | - | 2 |
| | | %missed | - | 0.0 | - | - | 0.0 | 2.1 | - | - | 0.7 |
| | OS69 | AD count | - | 3 | 20 | - | 7 | 3 | - | 9 | 42 |
| | | Missed | - | 1 | 0 | - | 0 | 0 | - | 0 | 1 |
| | | %missed | - | 33.3 | 0.0 | - | 0.0 | 0.0 | - | 0.0 | 2.4 |
| | OS70 | AD count | - | 53 | 7 | - | - | 10 | - | - | 70 |
| | | Missed | - | 0 | 0 | - | - | 0 | - | - | 0 |
| | | %missed | - | 0.0 | 0.0 | - | - | 0.0 | - | - | 0.0 |
| BI_2537 | OS68 | AD count | 1 | 1 | 7 | - | 209 | 30 | - | 29 | 277 |
| | | Missed | 0 | 0 | 0 | - | 2 | 0 | - | 0 | 2 |
| | | %missed | 0.0 | 0.0 | 0.0 | - | 1.0 | 0.0 | - | 0.0 | 0.7 |
| | OS69 | AD count | - | 1 | - | - | 1 | 2 | - | - | 4 |
| | | Missed | - | 0 | - | - | 0 | 0 | - | - | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 |
| | OS70 | AD count | - | 2 | 3 | - | 1 | 2 | - | 1 | 9 |
| | | Missed | - | 0 | 0 | - | 0 | 0 | - | 0 | 0 |
| | | %missed | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | 0.0 | 0.0 |
| BI_2538 | OS68 | AD count | - | - | - | - | 2 | 1 | - | - | 3 |
| | | Missed | - | - | - | - | 0 | 0 | - | - | 0 |
| | | %missed | - | - | - | - | 0.0 | 0.0 | - | - | 0.0 |
| | OS69 | AD count | 645 | 89 | 1 | - | - | 5 | - | - | 740 |
| | | Missed | 0 | 0 | 0 | - | - | 1 | - | - | 1 |
| | | %missed | 0.0 | 0.0 | 0.0 | - | - | 20.0 | - | - | 0.1 |
| | OS70 | AD count | 1 | 15 | - | - | 3 | - | - | - | 19 |
| | | Missed | 0 | 0 | - | - | 1 | - | - | - | 1 |
| | | %missed | 0.0 | 0.0 | - | - | 33.3 | - | - | - | 5.3 |
| BI_2539 | OS68 | AD count | - | 3 | 10 | - | 22 | - | - | 9 | 44 |
| | | Missed | - | 0 | 0 | - | 2 | - | - | 0 | 2 |
| | | %missed | - | 0.0 | 0.0 | - | 9.1 | - | - | 0.0 | 4.5 |
| | OS69 | AD count | - | 13 | 33 | - | 18 | 121 | - | 2 | 187 |
| | | Missed | - | 1 | 0 | - | 0 | 6 | - | 1 | 8 |
| | | %missed | - | 7.7 | 0.0 | - | 0.0 | 5.0 | - | 50.0 | 4.3 |
| | OS70 | AD count | - | 79 | 251 | - | 2 | 3 | - | 1 | 336 |
| | | Missed | - | 1 | 0 | - | 0 | 0 | - | 0 | 1 |
| | | %missed | - | 1.3 | 0.0 | - | 0.0 | 0.0 | - | 0.0 | 0.3 |
| BI_2540 | OS68 | AD count | - | 35 | - | - | 12 | 4 | - | 3 | 54 |
| | | Missed | - | 0 | - | - | 0 | 0 | - | 3 | 3 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | - | 100.0 | 5.6 |
| | OS69 | AD count | - | 7 | - | - | 3 | 372 | - | - | 382 |
| | | Missed | - | 0 | - | - | 0 | 22 | - | - | 22 |
| | | %missed | - | 0.0 | - | - | 0.0 | 5.9 | - | - | 5.8 |
| | OS70 | AD count | - | 21 | - | - | 2 | 9 | - | 1 | 33 |
| | | Missed | - | 0 | - | - | 0 | 0 | - | 0 | 0 |
| | | %missed | - | 0.0 | - | - | 0.0 | 0.0 | - | 0.0 | 0.0 |
| BI_2541 | OS68 | AD count | - | 2 | 10 | - | - | 1 | - | - | 13 |
| | | Missed | - | 0 | 0 | - | - | 0 | - | - | 0 |
| | | %missed | - | 0.0 | 0.0 | - | - | 0.0 | - | - | 0.0 |
| | OS69 | AD count | - | 60 | 8 | - | 19 | 98 | - | - | 185 |
| | | Missed | - | 0 | 0 | - | 0 | 2 | - | - | 2 |
| | | %missed | - | 0.0 | 0.0 | - | 0.0 | 2.0 | - | - | 1.1 |
| | OS70 | AD count | 2 | 147 | - | - | 41 | 32 | 2 | 12 | 236 |
| | | Missed | 0 | 5 | - | - | 2 | 0 | 0 | 1 | 8 |
| | | %missed | 0.0 | 3.4 | - | - | 4.9 | 0.0 | 0.0 | 8.3 | 3.4 |
| BI_2542 | OS68 | AD count | - | 321 | 112 | - | 1 | 15 | - | - | 449 |
| | | Missed | - | 0 | 0 | - | 0 | 1 | - | - | 1 |
| | | %missed | - | 0.0 | 0.0 | - | 0.0 | 6.7 | - | - | 0.2 |
| | OS69 | AD count | - | 100 | 188 | - | - | 11 | - | - | 299 |
| | | Missed | - | 0 | 0 | - | - | 1 | - | - | 1 |
| | | %missed | - | 0.0 | 0.0 | - | - | 9.1 | - | - | 0.3 |
| | OS70 | AD count | - | 44 | 46 | - | 1 | 1 | - | - | 92 |
| | | Missed | - | 0 | 0 | - | 0 | 0 | - | - | 0 |
| | | %missed | - | 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 (OS68-70).

| LabCode | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | Other | Overall | |
|---------|------|----------|------------|-------------|-------------|-----------|----------|---------------|-------|---------|-----|
| BI_2543 | OS68 | AD count | - | 33 | 3 | - | 8 | 6 | - | - | 50 |
| | | Missed | - | 0 | 0 | - | 0 | 0 | - | - | 0 |
| | | %missed | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 |
| | OS69 | AD count | - | 35 | 86 | - | 5 | 1 | - | - | 127 |
| | | Missed | - | 0 | 0 | - | 0 | 0 | - | - | 0 |
| | | %missed | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 |
| | OS70 | AD count | - | 9 | 4 | - | - | 70 | - | 1 | 84 |
| | | Missed | - | 0 | 0 | - | - | 0 | - | 0 | 0 |
| | | %missed | - | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 | 0.0 |
| BI_2544 | OS68 | AD count | - | 15 | 4 | - | - | 6 | - | 2 | 27 |
| | | Missed | - | 0 | 0 | - | - | 1 | - | 0 | 1 |
| | | %missed | - | 0.0 | 0.0 | - | - | 16.7 | - | 0.0 | 3.7 |
| | OS69 | AD count | - | 5 | - | - | - | 4 | - | - | 9 |
| | | Missed | - | 0 | - | - | - | 0 | - | - | 0 |
| | | %missed | - | 0.0 | - | - | - | 0.0 | - | - | 0.0 |

Key: AD = Audit Data

Missed = numbers of individuals missed in residue sorting

% Missed = Percentage missed in residue sorting

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS68 - 70) (erroneous identifications in brackets).

| LabCode / Smp. | Taxonomic Errors | Major Taxonomic Group | | | | | | |
|---|------------------|-----------------------|---|---|--|---|--|--|
| | | Polychaeta | Oligochaeta | Crustacea | Mollusca | Echinodermata | Other | |
| BL_2501 | OS68 | 10 | <i>Syllis garciai</i> (<i>Trypanosyllis coeliaca</i>) | - | <i>Nototropis vedlomensis</i> (<i>Dexamine spinosa</i>) | - | <i>Amphipholis squamata</i> / <i>Amphiruridae</i> juv. (<i>Ophiopholis aculeata</i>) | - |
| | | | <i>Aonides paucibranchiata</i> (<i>Aonides oxycephala</i>) | - | <i>Cheirocratus sundevallii</i> (<i>Othomaera othonis</i>) | - | - | - |
| | | | <i>Dipolydora flava</i> (<i>Dipolydora armata</i>) | - | <i>Megamphopus cornutus</i> (<i>Photis longicaudata</i>) | - | - | - |
| | | | <i>Aurospio banyulensis</i> (<i>Prionospio cirrifera</i>) | - | <i>Cymadoce</i> (<i>Lekanesphaera rugicauda</i>) | - | - | - |
| | OS69 | 8 | <i>Chone</i> (<i>Jasmineira caudata</i>) | - | - | - | - | - |
| | | | <i>Aonides oxycephala</i> (<i>Aonides paucibranchiata</i>) | - | <i>Urothoe elegans</i> (<i>Urothoe marina</i>) | - | <i>Amphipholis squamata</i> (<i>Amphiura chiajei</i>) | - |
| | | | <i>Aurospio banyulensis</i> (<i>Prionospio cirrifera</i>) | - | <i>Cymadoce</i> (<i>Lekanesphaera rugicauda</i>) | - | - | - |
| | | | <i>Spio armata</i> (<i>Spio symphyta</i>) | - | - | - | - | - |
| | | | <i>Cirrifarmia</i> juv. (<i>Aphelochaeta</i>) | - | - | - | - | - |
| | OS70 | 21 | <i>Cirrifarmia tentaculata</i> (<i>Chaetozone zetlandica</i> / <i>Chaetozone gibber</i>) | - | - | - | - | - |
| | | | <i>Pseudomystides limbata</i> (<i>Eumida sanguinea</i>) | - | <i>Lysianassa plumosa</i> (<i>Lysianassa ceratina</i>) | <i>Lepidochitona cinerea</i> (<i>Tonicella rubra</i>) | <i>Amphipholis squamata</i> (<i>Amphiura securigera</i>) | <i>Nephasoma minuta</i> (<i>Golfingia</i>) |
| | | | <i>Goniada maculata</i> (<i>Glycera lapidum</i>) | - | <i>Iphimedia perplexa</i> (<i>Iphimedia obesa</i>) | <i>Jubinus montagui</i> (<i>Gibbula tumida</i>) | - | - |
| | | | - | - | <i>Microdeutopus versiculatus</i> / <i>Animoceraodocus semiserratus</i> (<i>Photis longicaudata</i>) | <i>Diaphana minuta</i> (<i>Retusa obtusa</i>) | - | - |
| | | | - | - | <i>Animoceraodocus semiserratus</i> (<i>Aaridae</i>) | <i>Gouldia minima</i> (<i>Glycymeris glycymeris</i>) | - | - |
| | | | - | - | <i>Leptocheirus pectinatus</i> (<i>Leptocheirus hirsutimanus</i>) | <i>Modiolus</i> juv. (<i>Modiolula phaseolina</i>) | - | - |
| | | | - | - | <i>Cymadoce</i> (<i>Lekanesphaera rugicauda</i>) | <i>Musculus discors</i> (<i>Crenella decussata</i>) | - | - |
| | | | - | - | - | <i>Limaria loscombi</i> (<i>Limatula subauriculata</i>) | - | - |
| | | | - | - | - | <i>Gari tellinella</i> juv./ <i>Thracia</i> juv. (<i>Moerella pygmaea</i>) | - | - |
| | | | - | - | - | <i>Polititapes rhomboides</i> / <i>Polititapes rhomboides</i> juv. (<i>Venerupis corrugata</i>) | - | - |
| | | | - | - | - | <i>Gouldia minima</i> (<i>Dosinia exoleta</i>) | - | - |
| | | | - | - | - | <i>Mya truncata</i> juv. (<i>Mya arenaria</i>) | - | - |
| BL_2502 | OS68 | 0 | - | - | - | - | - | |
| | OS69 | 3 | <i>Pholoe baltica</i> (<i>sensu Petersen</i>) (<i>Pholoe inornata</i> (<i>sensu Petersen</i>)) | - | <i>Harpinia pectinata</i> (<i>Harpinia antennaria</i>) | - | - | |
| | OS70 | 0 | <i>Pseudopolydora</i> sp. A (<i>Dipolydora flava</i>) | - | - | - | - | |
| BL_2503 | OS68 | 0 | - | - | - | - | - | |
| | OS69 | 0 | - | - | - | - | - | |
| | OS70 | 1 | - | <i>Cumopsis fagei</i> (<i>Iphinoe trispinosa</i>) | - | - | - | |
| BL_2504 | OS68 | 2 | <i>Cirrifarmia</i> juv. (<i>Cirratulus</i> juv.) | - | - | <i>Hermania</i> (<i>Philine</i>) | - | |
| | OS69 | 1 | <i>Myriochele</i> (<i>Galathowenia oculata</i>) | - | - | - | - | |
| | OS70 | 1 | - | - | - | - | <i>Lovenella clausa</i> (<i>Phialella quadrata</i>) | |
| BL_2506 | OS68 | 0 | - | - | - | - | - | |
| | OS69 | 0 | - | - | - | - | - | |
| | OS70 | 0 | - | - | - | - | - | |
| BL_2509 | OS68 | 3 | <i>Scolecopsis bonnierii</i> (<i>Scolecopsis</i> (<i>Scolecopsis</i>) <i>squamata</i>) | - | - | <i>Abra prismatica</i> (<i>Abra nitida</i>) | - | |
| | OS69 | 2 | <i>Lumbrineris cingulata</i> agg. (<i>Hilbigneris gracilis</i>) | - | - | - | - | |
| | OS69 | 2 | <i>Phyllodoce groenlandica</i> (<i>Phyllodoce mucosa</i>) | - | - | - | - | |
| | OS70 | 0 | <i>Lumbrineris cingulata</i> agg. (<i>Hilbigneris gracilis</i>) | - | - | - | - | |
| BL_2510 | OS68 | 2 | - | <i>Monocorophium acherusicum</i> (<i>Corophium</i> sp.) | <i>Thyasira gouldi</i> (<i>Thyasira flexuosa</i>) | - | - | |
| | OS69 | 0 | - | - | - | - | - | |
| | OS70 | 0 | - | - | - | - | - | |
| BL_2516 | OS68 | 0 | - | - | - | - | - | |
| | OS69 | 0 | - | - | - | - | - | |
| | OS70 | 0 | - | - | - | - | - | |
| BL_2517 | OS68 | 3 | <i>Kirkegaardia</i> (<i>Kirkegaardia dorsobranchialis</i>) | - | <i>Ampelisca tenuicornis</i> (<i>Ampelisca aequicornis</i>) | <i>Scutopus ventrolineatus</i> (<i>Chaetoderma nitidulum</i>) | - | |
| | OS69 | 1 | <i>Praxillella affinis</i> (<i>Euclymene damaged</i>) | - | - | - | - | |
| | OS70 | 3 | <i>Tharyx killariensis</i> (<i>Chaetozone "species D" sensu Worsfold</i>) | - | - | - | <i>Sycon</i> (<i>Leucosolenia indet</i>) | |
| BL_2519 | OS68 | 0 | <i>Thelepus davehalli</i> (<i>Thelepus cincinnatus</i>) | - | - | - | - | |
| | OS69 | 1 | <i>Desdemona ornata</i> (<i>Manayunkia aestuarina</i>) | - | - | - | - | |
| | OS70 | 0 | - | - | - | - | - | |
| BL_2525 | OS68 | 2 | - | <i>Apeudopsis adami</i> (<i>Apeudopsis mediterraneus</i>) | <i>Fabulina fabula</i> (<i>Tellina compressa</i>) | - | - | |
| | OS69 | 4 | <i>Dipolydora</i> sp. B (<i>Pseudopolydora</i> sp.1) | - | - | <i>Fabulina fabula</i> (<i>Tellina compressa</i>) | - | |
| | | | <i>Scolecopsis neglecta</i> (<i>Microspio mecznicowianus</i>) | - | - | - | - | |
| | | | <i>Lumbrineris</i> (<i>Lumbrineris</i>) <i>impatiens</i> | - | - | - | - | |
| | OS70 | 4 | <i>Nothria</i> (<i>Ramphobranchium</i> sp.1) | - | <i>Ampelisca diadema</i> (<i>Ampelisca spinipes</i>) | - | - | - |
| | | | <i>Paradoneis ivana</i> (<i>Paradoneis armata</i>) | - | - | - | - | |
| <i>Scalibregma celticum</i> (<i>Scalibregma inflatum</i>) | - | - | - | - | - | | | |

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS68 - 70) (erroneous identifications in brackets).

| LabCode / Smp. | Taxonomic Errors | Major Taxonomic Group | | | | | | |
|----------------|------------------|-----------------------|--|--|---|---|-------|--|
| | | Polychaeta | Oligochaeta | Crustacea | Mollusca | Echinodermata | Other | |
| BL_2526 | OS68 | 5 | <i>Sphaerosyllis c.f. taylari (Sphaerosyllis hystrix)</i> | <i>Tubificoides cf. galiensis/Capitella (Tubificoides benedii)</i> | <i>Zeuxo holdichi (Hexapleomera wombat)</i> | <i>Onoba aculeus (Onoba semicostata)</i> | - | |
| | | | <i>Aphelocheata Species A (Aphelocheata marioni)</i> | - | - | - | - | |
| | OS69 | 4 | <i>Loimia medusa (Lanice conchilega)</i> | - | <i>Zeuxo holdichi (Hexapleomera wombat)</i> | - | - | <i>Chorizopora bronngiartii (Tubulipora spp.)</i> <i>Fenestulina delicia (Fenestulina malusii)</i> |
| | OS70 | 1 | <i>Ampharete lindstroemi (Ampharete cf. acutifrons)</i> | - | - | - | - | |
| BL_2527 | OS68 | 0 | - | - | - | - | - | |
| | OS69 | 0 | - | - | - | - | - | |
| | OS70 | 0 | - | - | - | - | - | |
| BL_2528 | OS68 | 4 | <i>Nephtys hombergii (Nephtys cirrosa)</i> | - | - | <i>Cerastoderma edule juv. (Parvicardium pinnulatum Prev. P. ovale)</i> | - | <i>Scrupocellaria scruposa (Crisia spp.)</i> <i>Spermatophyta (Alcyonidium spp. indet.)</i> <i>Tricellaria inopinata (Crisia spp.)</i> |
| | | | <i>Nephtys hombergii (Nephtys cirrosa)</i> | - | - | <i>Nucula nitidosa (Nucula hanleyi)</i> | - | - |
| | OS69 | 6 | <i>Melinna palmata (Ampharete falcata)</i> | - | - | <i>Cerastoderma edule juv. (Parvicardium pinnulatum Prev. P. ovale)</i> | - | - |
| | | | - | - | - | <i>Semelidae/Nuculidae juv. (Abra nitida)</i> | - | - |
| | | | <i>Alitta virens (Hediste diversicolor)</i> | - | <i>Amphibalanus improvisus (Balanus crenatus)</i> | - | - | - |
| | | | - | - | <i>Paragnathia formica (Gnathia sp)</i> | - | - | - |
| | OS70 | 5 | - | - | <i>Cyathura carinata (Anthura gracilis)</i> | - | - | |
| | | | - | - | <i>Lekanesphaera monodi (Sphaeroma serratum)</i> | - | - | |
| BL_2529 | OS68 | 1 | - | - | - | - | - | <i>Scrupocellaria scruposa (Scrupocellaria scruposa)</i> |
| | OS69 | 1 | - | - | - | - | - | <i>Polycarpa (Molgula)</i> |
| | OS70 | 2 | <i>Dipolydora flava (Dipolydora coeca)</i> | - | <i>Harpinia pectinata (Harpinia antennaria)</i> | - | - | - |
| BL_2530 | OS68 | 1 | - | - | <i>Leucothoe lilljeborgi (Leucothoe incisa)</i> | - | - | - |
| | OS69 | 2 | <i>Microspio atlantica (Microspio mecznikowianus)</i> | - | - | - | - | Phaeophyceae (RHODOPHYTA Hildenbrandiacea) |
| | OS70 | 3 | <i>Microspio atlantica (Microspio mecznikowianus)</i> | - | - | - | - | Phaeophyceae (RHODOPHYTA Hildenbrandiacea) Ascidacea (Eggs) |
| BL_2531 | OS68 | 0 | - | - | - | - | - | - |
| | OS69 | 3 | <i>Euchone southerni (Euchone pararosea)</i> | - | <i>Pseudoparatanais batei (Tanaopsis graciloides)</i> | - | - | - |
| | | | <i>Fabricia stellaris (Pseudofabricia aberrans ?)</i> | - | - | - | - | - |
| | OS70 | 2 | <i>Pista cristata (Pista mediterranea)</i> | - | - | - | - | - |
| | | | <i>Dialychone dunerificta/Spirorbinae (Jasmineira caudata)</i> | - | - | - | - | - |
| BL_2532 | OS68 | 0 | - | - | - | - | - | - |
| | OS69 | 1 | - | - | - | <i>Ocenebra erinaceus juv. (Trophonopsis)</i> | - | - |
| | OS70 | 1 | - | - | - | <i>Steromphala cineraria (Gibbula)</i> <i>Euspira catena juv. (Euspira nitida)</i> | - | - |
| BL_2533 | OS68 | 1 | - | <i>Tubificoides diazi agg. (Tubificoides pseudogaster)</i> | - | - | - | - |
| | OS69 | 1 | - | <i>Tubificoides diazi agg. (Tubificoides pseudogaster)</i> | - | - | - | - |
| | OS70 | 1 | - | <i>Tubificoides diazi agg. (Tubificoides pseudogaster)</i> | - | - | - | - |
| BL_2534 | OS68 | 0 | - | - | - | - | - | - |
| | OS69 | 1 | - | - | - | - | - | <i>Ulva (ANIMALIA fragment)</i> |
| | OS70 | 0 | - | - | - | - | - | - |
| BL_2535 | OS68 | 0 | - | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - | - |
| | OS70 | 1 | - | - | - | <i>Pusillina inconspicua (Rissoa parva)</i> | - | - |
| BL_2536 | OS68 | 0 | - | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - | - |
| BL_2537 | OS68 | 0 | - | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - | - |
| BL_2538 | OS68 | 0 | - | - | - | - | - | - |
| | OS69 | 1 | - | - | - | - | - | <i>Nemertea (Turbellaria)</i> |
| | OS70 | 0 | - | - | - | - | - | - |

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS68 - 70) (erroneous identifications in brackets).

| LabCode / Smp. | Taxonomic Errors | Major Taxonomic Group | | | | | |
|----------------|------------------|-----------------------|---|-----------|----------|---|-------|
| | | Polychaeta | Oligochaeta | Crustacea | Mollusca | Echinodermata | Other |
| Bl_2539 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 1 | - | - | - | <i>Abra tenuis (Scrobicularia plana Juvenile)</i> | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2540 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2541 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 1 | <i>Praxilella affinis (Euclymene oerstedii aggregate)</i> | - | - | - | - |
| Bl_2542 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2543 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2543 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2543 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2543 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2543 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| Bl_2543 | OS68 | 0 | - | - | - | - | - |
| | OS69 | 0 | - | - | - | - | - |
| | OS70 | 0 | - | - | - | - | - |
| TOTAL | 122 | 47 | 3 | 27 | 27 | 3 | 15 |
| % Error | | 39 | 2 | 22 | 22 | 2 | 12 |

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

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 OS68-OS70.

| | | OS68 | | | | | | | | |
|---------|--------|----------|------------|-------------|-------------|-----------|----------|---------------|----------|---------|
| LabCode | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | Other | Overall |
| BI_2502 | OD | 0.0663 | 2.8334 | - | - | 0.7191 | 0.8368 | 0.8869 | 0.2089 | 5.5514 |
| | AD | 0.0734 | 3.0370 | - | - | 0.7773 | 0.8664 | 0.9206 | 0.2056 | 5.8803 |
| | %diff. | -10.71 | -7.19 | - | - | -8.09 | -3.54 | -3.80 | 1.58 | -5.92 |
| BI_2510 | OD | 0.1248 | 1.2063 | 0.0194 | - | 0.1748 | 15.1135 | - | - | 16.6388 |
| | AD | 0.0826 | 0.8378 | 0.0196 | - | 0.1325 | 13.7973 | - | - | 14.8698 |
| | %diff. | 33.8141 | 30.5480 | -1.0309 | - | 24.1991 | 8.7088 | - | - | 10.63 |
| BI_2519 | OD | - | - | - | - | - | - | - | - | 0.0000 |
| | AD | - | - | - | - | - | - | - | - | 0.0000 |
| | %diff. | - | - | - | - | - | - | - | - | - |
| BI_2529 | OD | - | 0.0521 | - | - | - | 0.0265 | - | - | 0.0786 |
| | AD | - | 0.0594 | - | - | - | 0.0249 | - | - | 0.0843 |
| | %diff. | - | -14.0115 | - | - | - | 6.0377 | - | - | -7.25 |
| BI_2533 | OD | 0.0016 | 0.0789 | - | - | 7.0059 | 7.1221 | - | 0.0001 | 14.2086 |
| | AD | 0.0023 | 0.0540 | - | - | 6.8052 | 7.0418 | - | 0.0001 | 13.9034 |
| | %diff. | -43.75 | 31.56 | - | - | 2.86 | 1.13 | - | 0.00 | 2.15 |
| BI_2534 | OD | - | 0.1227 | 0.0001 | - | 0.0246 | 0.1940 | - | 0.0002 | 0.3416 |
| | AD | - | 0.0742 | 0.0001 | - | 0.0182 | 0.1941 | - | 0.0002 | 0.2868 |
| | %diff. | - | 39.53 | 0.00 | - | 26.02 | -0.05 | - | 0.00 | 16.04 |
| BI_2535 | OD | - | 0.1071 | - | - | 0.0025 | 0.0366 | - | 0.0902 | 0.2364 |
| | AD | - | 0.1393 | - | - | 0.0028 | 0.0358 | - | 0.0919 | 0.2698 |
| | %diff. | - | -30.0654 | - | - | -12.0000 | 2.1858 | - | -1.8847 | -14.13 |
| BI_2536 | OD | - | 0.3183 | - | - | 0.0001 | 0.0185 | - | - | 0.3369 |
| | AD | - | 0.3412 | - | - | 0.0004 | 0.0161 | - | - | 0.3577 |
| | %diff. | - | -7.1945 | - | - | -300.0000 | 12.9730 | - | - | -6.17 |
| BI_2537 | OD | 0.0024 | 0.0001 | 0.0025 | - | 0.8704 | 0.1973 | - | 0.0001 | 1.0728 |
| | AD | 0.0021 | 0.0001 | 0.0022 | - | 0.5472 | 0.1636 | - | 0.0011 | 0.7163 |
| | %diff. | 12.50 | 0.00 | 12.00 | - | 37.13 | 17.08 | - | -1000.00 | 33.23 |
| BI_2539 | OD | - | - | - | - | - | - | - | - | 0.0000 |
| | AD | - | - | - | - | - | - | - | - | 0.0000 |
| | %diff. | - | - | - | - | - | - | - | - | - |
| BI_2540 | OD | - | - | - | - | - | - | - | - | 0.0000 |
| | AD | - | - | - | - | - | - | - | - | 0.0000 |
| | %diff. | - | - | - | - | - | - | - | - | - |
| BI_2541 | OD | - | - | - | - | - | - | - | - | 0.0000 |
| | AD | - | - | - | - | - | - | - | - | 0.0000 |
| | %diff. | - | - | - | - | - | - | - | - | - |
| BI_2542 | OD | - | 0.1956 | 0.0253 | - | 0.0013 | 1.4481 | - | - | 1.6703 |
| | AD | - | 0.2241 | 0.0318 | - | 0.0006 | 1.4404 | - | - | 1.6969 |
| | %diff. | - | -14.57 | -25.69 | - | 53.85 | 0.53 | - | - | -1.59 |
| BI_2543 | OD | - | 0.0639 | 0.0002 | - | 0.0239 | 0.3207 | - | - | 0.4087 |
| | AD | - | 0.0592 | 0.0002 | - | 0.0251 | 0.2796 | - | - | 0.3641 |
| | %diff. | - | 7.36 | 0.00 | - | -5.02 | 12.82 | - | - | 10.91 |
| BI_2544 | OD | - | 0.0347 | 0.0002 | - | - | 0.0008 | - | - | 0.0357 |
| | AD | - | 0.0495 | 0.0002 | - | - | 0.0009 | - | - | 0.0506 |
| | %diff. | - | -42.65 | 0.00 | - | - | -12.50 | - | - | -41.74 |

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 OS68-OS70.

| | | OS69 | | | | | | | | |
|---------|--------|----------|------------|-------------|-------------|-----------|----------|---------------|--------|---------|
| LabCode | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | Other | Overall |
| BI_2502 | OD | 0.0026 | 3.2328 | - | 0.0020 | 3.7361 | 7.8593 | 0.2742 | 0.2575 | 15.3645 |
| | AD | 0.0019 | 3.2952 | - | 0.0019 | 3.2687 | 7.7433 | 0.2817 | 0.2861 | 14.8788 |
| | %diff. | 26.92 | -1.93 | - | 5.00 | 12.51 | 1.48 | -2.74 | -11.11 | 3.16 |
| BI_2510 | OD | - | 0.5752 | - | - | 0.1851 | - | - | - | 0.7603 |
| | AD | - | 0.4244 | - | - | 0.1302 | - | - | - | 0.5546 |
| | %diff. | - | 26.22 | - | - | 29.66 | - | - | - | 27.06 |
| BI_2519 | OD | - | 0.0283 | 0.0038 | - | 0.0149 | - | - | - | 0.0470 |
| | AD | - | 0.0205 | 0.0017 | - | 0.0122 | - | - | - | 0.0344 |
| | %diff. | - | 27.56 | 55.26 | - | 18.12 | - | - | - | 26.8085 |
| BI_2529 | OD | 0.0086 | 0.7422 | - | 0.0032 | 0.0024 | 3.2070 | 3.2532 | 1.1984 | 8.4150 |
| | AD | 0.0086 | 1.2974 | - | 0.0030 | 0.0022 | 3.1117 | 3.4473 | 1.1719 | 9.0421 |
| | %diff. | 0.0000 | -74.8046 | - | 6.2500 | 8.3333 | 2.9716 | -5.9664 | 2.2113 | -7.45 |
| BI_2533 | OD | 0.0001 | 0.1088 | 0.0016 | - | - | 2.0709 | - | 0.3988 | 2.5802 |
| | AD | 0.0008 | 0.0776 | 0.0017 | - | - | 2.0768 | - | 0.3476 | 2.5045 |
| | %diff. | -700.00 | 28.68 | -6.25 | - | - | -0.28 | - | 12.84 | 2.93 |
| BI_2534 | OD | - | 0.0044 | 0.0174 | - | 0.0108 | 0.8864 | - | 0.0106 | 0.9296 |
| | AD | - | 0.0037 | 0.0167 | - | 0.0099 | 0.8629 | - | 0.0093 | 0.9025 |
| | %diff. | - | 15.91 | 4.02 | - | 8.33 | 2.65 | - | 12.26 | 2.92 |
| BI_2535 | OD | - | 0.0637 | - | - | 0.0072 | - | - | - | 0.0709 |
| | AD | - | 0.0596 | - | - | 0.0062 | - | - | - | 0.0658 |
| | %diff. | - | 6.4364 | - | - | 13.8889 | - | - | - | 7.19 |
| BI_2536 | OD | - | 0.0002 | 0.0037 | - | 0.0029 | 0.0002 | - | 0.0294 | 0.0364 |
| | AD | - | 0.0002 | 0.0038 | - | 0.0028 | 0.0002 | - | 0.0271 | 0.0341 |
| | %diff. | - | 0.0000 | -2.7027 | - | 3.4483 | 0.0000 | - | 7.8231 | 6.32 |
| BI_2537 | OD | - | 0.0084 | - | - | 0.0007 | 0.2165 | - | - | 0.2256 |
| | AD | - | 0.0052 | - | - | 0.0003 | 0.1986 | - | - | 0.2041 |
| | %diff. | - | 38.10 | - | - | 57.14 | 8.27 | - | - | 9.53 |
| BI_2539 | OD | - | - | - | - | - | - | - | - | 0.0000 |
| | AD | - | - | - | - | - | - | - | - | 0.0000 |
| | %diff. | - | - | - | - | - | - | - | - | - |
| BI_2540 | OD | - | - | - | - | - | - | - | - | 0.0000 |
| | AD | - | - | - | - | - | - | - | - | 0.0000 |
| | %diff. | - | - | - | - | - | - | - | - | - |
| BI_2541 | OD | - | 0.0701 | 0.0006 | - | 0.0045 | 0.0670 | - | - | 0.1422 |
| | AD | - | 0.1005 | 0.0011 | - | 0.0035 | 0.0639 | - | - | 0.1690 |
| | %diff. | - | -43.37 | -83.33 | - | 22.22 | 4.63 | - | - | -18.85 |
| BI_2542 | OD | - | 0.1318 | 0.0498 | - | - | 0.0344 | - | - | 0.2160 |
| | AD | - | 0.1280 | 0.0598 | - | - | 0.0296 | - | - | 0.2174 |
| | %diff. | - | 2.88 | -20.08 | - | - | 13.95 | - | - | -0.65 |
| BI_2543 | OD | - | 0.0434 | 0.0136 | - | 0.0120 | 0.1706 | - | - | 0.2396 |
| | AD | - | 0.0413 | 0.0141 | - | 0.0134 | 0.1827 | - | - | 0.2515 |
| | %diff. | - | 4.84 | -3.68 | - | -11.67 | -7.09 | - | - | -4.97 |
| BI_2544 | OD | - | 0.0738 | - | - | - | 0.0003 | - | - | 0.0741 |
| | AD | - | 0.0751 | - | - | - | 0.0012 | - | - | 0.0763 |
| | %diff. | - | -1.76 | - | - | - | -300.00 | - | - | -2.97 |

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

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by APEM Ltd. for the major taxonomic groups present in samples OS68-OS70.

| LabCode | | OS70 | | | | | | | Overall | |
|---------|--------|----------|------------|-------------|-------------|-----------|----------|---------------|----------|----------|
| | | Nemertea | Polychaeta | Oligochaeta | Chelicerata | Crustacea | Mollusca | Echinodermata | | Other |
| BI_2502 | OD | - | 0.7992 | 0.0004 | - | 0.0062 | 0.1198 | 0.0032 | 0.0003 | 0.9291 |
| | AD | - | 0.6016 | 0.0004 | - | 0.0044 | 0.1148 | 0.0031 | 0.0002 | 0.7245 |
| | %diff. | - | 24.72 | 0.00 | - | 29.03 | 4.17 | 3.13 | 33.33 | 22.02 |
| BI_2510 | OD | 0.0691 | 0.1622 | - | - | 0.0305 | 0.0507 | - | - | 0.3125 |
| | AD | 0.0452 | 0.1066 | - | - | 0.0198 | 0.0475 | - | - | 0.2191 |
| | %diff. | 34.59 | 34.28 | - | - | 35.08 | 6.31 | - | - | 29.89 |
| BI_2519 | OD | - | 0.0053 | - | - | 0.0064 | 0.0211 | - | - | 0.0328 |
| | AD | - | 0.0050 | - | - | 0.0067 | 0.0204 | - | - | 0.0321 |
| | %diff. | - | 5.66 | - | - | -4.69 | 3.32 | - | - | 2.1341 |
| BI_2529 | OD | 0.0038 | 0.4519 | - | 0.0001 | 0.1147 | 0.2082 | 14.3402 | 0.0506 | 15.1695 |
| | AD | 0.0035 | 0.4485 | - | 0.0001 | 0.1354 | 0.1705 | 13.1220 | 0.0643 | 13.9443 |
| | %diff. | 7.8947 | 0.7524 | - | 0.0000 | -18.0471 | 18.1076 | 8.4950 | -27.0751 | 8.08 |
| BI_2533 | OD | 0.0014 | 0.1873 | 0.0001 | - | - | 0.7054 | 5.1569 | 0.0002 | 6.0513 |
| | AD | 0.0004 | 0.1147 | 0.0001 | - | - | 0.6276 | 4.7346 | 0.0002 | 5.4776 |
| | %diff. | 71.43 | 38.76 | 0.00 | - | - | 11.03 | 8.19 | 0.00 | 9.48 |
| BI_2534 | OD | - | 6.4923 | 1.1806 | - | 0.0892 | 7.0212 | - | 0.0001 | 14.7834 |
| | AD | - | 5.0395 | 0.5572 | - | 0.1038 | 6.6556 | - | 0.0001 | 12.3562 |
| | %diff. | - | 22.38 | 52.80 | - | -16.37 | 5.21 | - | 0.00 | 16.42 |
| BI_2535 | OD | 0.0581 | 10.2929 | 0.0110 | 0.0038 | 0.1155 | 113.1162 | - | 1.0099 | 124.6074 |
| | AD | 0.0692 | 9.5305 | 0.0116 | 0.0034 | 0.1089 | 115.4615 | - | 0.8381 | 126.0232 |
| | %diff. | -19.1050 | 7.4070 | -5.4545 | 10.5263 | 5.7143 | -2.0734 | - | 17.0116 | -1.14 |
| BI_2536 | OD | - | 0.0186 | 0.0009 | - | - | 0.0063 | - | - | 0.0258 |
| | AD | - | 0.0188 | 0.0008 | - | - | 0.0058 | - | - | 0.0254 |
| | %diff. | - | -1.0753 | 11.1111 | - | - | 7.9365 | - | - | 1.55 |
| BI_2537 | OD | - | 0.0064 | 0.0012 | - | 0.0002 | 0.0003 | - | 0.0001 | 0.0082 |
| | AD | - | 0.0041 | 0.0011 | - | 0.0002 | 0.0002 | - | 0.0001 | 0.0057 |
| | %diff. | - | 35.94 | 8.33 | - | 0.00 | 33.33 | - | 0.00 | 30.49 |
| BI_2539 | OD | - | 0.2993 | 0.0975 | - | 0.0001 | 0.1673 | - | 0.0001 | 0.5643 |
| | AD | - | 0.1815 | 0.0647 | - | 0.0001 | 0.1355 | - | 0.0001 | 0.3819 |
| | %diff. | - | 39.36 | 33.64 | - | 0.00 | 19.01 | - | 0.00 | 32.32 |
| BI_2540 | OD | - | 0.0448 | - | - | 0.0030 | 0.0524 | - | 0.0001 | 0.1003 |
| | AD | - | 0.0417 | - | - | 0.0031 | 0.0505 | - | 0.0001 | 0.0954 |
| | %diff. | - | 6.92 | - | - | -3.33 | 3.63 | - | 0.00 | 4.89 |
| BI_2541 | OD | - | - | - | - | - | - | - | - | 0.0000 |
| | AD | - | - | - | - | - | - | - | - | 0.0000 |
| | %diff. | - | - | - | - | - | - | - | - | - |
| BI_2542 | OD | - | 0.0299 | 0.0090 | - | 0.0001 | 0.0001 | - | - | 0.0391 |
| | AD | - | 0.0315 | 0.0085 | - | 0.0004 | 0.0002 | - | - | 0.0406 |
| | %diff. | - | -5.35 | 5.56 | - | -300.00 | -100.00 | - | - | -3.84 |
| BI_2543 | OD | - | 0.3188 | 0.0028 | - | - | 0.0424 | - | 0.0001 | 0.3641 |
| | AD | - | 0.3329 | 0.0010 | - | - | 0.0404 | - | 0.0001 | 0.3744 |
| | %diff. | - | -4.42 | 64.29 | - | - | 4.72 | - | 0.00 | -2.83 |

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 2018/19 (OS01-70).

| Scheme Year | Exercise | Number of samples | | % Pass |
|---------------|--------------|-------------------|------------------|-----------|
| | | Pass (>90% BCSI) | Fail (<90% BCSI) | |
| 02 (1995/96) | 01 | 14 | 0 | 100 |
| 03 (1996/97) | 02, 03, 04 | 27 | 11 | 71 |
| 04 (1997/98) | 05, 06, 07 | 33 | 7 | 83 |
| 05 (1998/99) | 08, 09, 10 | 30 | 12 | 71 |
| 06 (1999/00) | 11, 12, 13 | 37 | 14 | 73 |
| 07 (2000/01) | 14, 15, 16 | 30 | 15 | 67 |
| 08 (2001/02)* | 17, 18, 19 | 35 | 10 | 78 |
| 09 (2002/03)* | 20, 21, 22 | 33 | 11 | 75 |
| 10 (2003/04)* | 23, 24, 25 | 43 | 8 | 84 |
| 11 (2004/05)* | 26, 27, 28 | 51 | 3 | 94 |
| 12 (2005/06)* | 29, 30, 31 | 50 | 4 | 93 |
| 13 (2006/07)* | 32, 33, 34 | 63 | 6 | 91 |
| 14 (2007/08)* | 35, 36, 37 | 69 | 12 | 85 |
| 15 (2008/09)* | 38, 39, 40 | 67 | 24 | 74 |
| 16 (2009/10)* | 41, 42, 43 | 75 | 18 | 81 |
| 17 (2010/11)* | 44, 45, 46 | 85 | 14 | 86 |
| 18 (2011/12)* | 47, 48, 49 | 95 | 4 | 96 |
| 19 (2012/13)* | 50, 51, 52 | 102 | 6 | 94 |
| 20 (2013/14)* | 53, 54, 55 | 73 | 29 | 72 |
| 2014/15 (21)* | 56, 57, 58 | 71 | 22 | 76 |
| 2015/16 (22)* | 59, 60, 61 | 81 | 15 | 84 |
| 2016/17 (23)* | 62, 63, 64 | 72 | 12 | 86 |
| 2017/18 (24)* | 65, 66, 67 | 70 | 9 | 89 |
| 2018/19 (25)* | 68, 69, 70 | 73 | 16 | 82 |
| | Total | 1379 | 282 | 83 |

* - Own Samples selected from completed data matrices
 BCSI - Bray Curtis Similarity Index (untransformed)