

| A13.5_2010 Sample Log NOAA Ship Ronald H. Brown |       |                     |       |         |        |                   |      |                  |      | EXPO Code 33RO21010308 |       |         |        |         | M11      |       |
|---|-------|---------------------|-------|---------|--------|-------------------|------|------------------|------|------------------------|-------|---------|--------|---------|----------|-------|
| Station/Cast                                    |       | Sampling Start(UTC) |       | Date    | Time   | Sampling End(UTC) |      | Date             | Time | Bottom                 | Depth | C14Box  | NutBox | SaltBox |          |       |
| 119   |       | 1                   |       | 4/15/10 | 16:00  | 4/15/10           |      | 17:05            | 5028 |                        |       |         | 9000W  | 700     |          |       |
| Niskin  |       | CFC                 |       | Helium  | Oxygen | Oxygen            |      |                  |      |                        |       |         | Nut    |         | Salt     |       |
| Number  | Press | Syringe             | Tube  | Flask   | Temp   | pH                | pCO2 | DIC              | Alk  | C-14                   | DOC   | Tritium | Tube   | Bottle  | Comments |       |
| 5121  | 1     | 210                 |       | 1       | ✓ 4.7  | 1                 | ✓ 1  | A1, A25, A1A, B1 |      |                        | 1     | ✓       | 1      | ✓       | 701      | ✓     |
| 2   | 4600  |                     |       | 2       | ✓ 5.0  | 2                 | ✓ 2  | A2               | 2    |                        | 2     | ✓       | 2      | ✓       | 702      | 204 ✓ |
| 3   | 4200  |                     |       | 3       | ✓ 5.1  | 3                 | ✓ 3  | A3               | 3    |                        | 3     | ✓       | 3      | ✓       | 703      | ✓     |
| 4   | 3800  |                     |       | 4       | ✓ 5.1  | 4                 | ✓ 4  | A4               | 4    |                        | 4     | ✓       | 4      | ✓       | 704      | ✓     |
| 5   | 3400  |                     |       | 5       | ✓ 5.5  | 5                 | ✓ 5  | A5               | 5    |                        | 5     | ✓       | 5      | ✓       | 705      | ✓     |
| 6   | 3000  |                     |       | 6       | ✓ 5.6  | 6                 | ✓ 6  | A6               | 6    |                        | 6     | ✓       | 6      | ✓       | 706      | ✓     |
| 7   | 2600  |                     |       | 7       | ✓ 5.9  | 7                 | ✓ 7  | A7               | 7    |                        | 7     | ✓       | 7      | ✓       | 707      | ✓     |
| 8   | 2200  | 613 ✓               |       | 8       | ✓ 6.7  | 8                 | ✓ 8  | A8               | 8    |                        | 8     | ✓       | 8      | ✓       | 708      | ✓     |
| 9   | 1800  | 385 ✓               |       | 9       | ✓ 7.0  | 9                 | ✓ 9  | A9               | 9    |                        | 9     | ✓       | 9      | ✓       | 709      | ✓     |
| 10  | 1650  | 772 ✓               |       | 10      | ✓ 7.2  | 10                | ✓ 10 | A10              | 10   |                        | 10    | ✓       | 10     | ✓       | 710      | ✓     |
| 11  | 1500  | 262 ✓               |       | 11      | ✓ 7.9  | 11                | ✓ 11 | A11              | 11   |                        | 11    | ✓       | 11     | ✓       | 711      | ✓     |
| 12  | 1350  | 477 ✓               |       | 12      | ✓ 8.1  | 12                | ✓ 12 | A12              | 12   |                        | 12    | ✓       | 12     | ✓       | 712      | ✓     |
| 13  | 1200  | 297 ✓               |       | 13      | ✓ 8.3  | 13                | ✓ 13 | A13              | 13   |                        | 13    | ✓       | 13     | ✓       | 713      | ✓     |
| 14  | 1050  | 598 ✓               |       | 14      | ✓ 8.4  | 14                | ✓ 14 | A14              | 14   |                        | 14    | ✓       | 14     | ✓       | 714      | ✓     |
| 15  | 900   | 596 ✓               |       | 15      | ✓ 8.7  | 15                | ✓ 15 | A15              | 15   |                        | 15    | ✓       | 15     | ✓       | 715      | ✓     |
| 16  | 750   | 2711 ✓              |       | 16      | ✓ 9.2  | 16                | ✓ 16 | A16              | 16   |                        | 16    | ✓       | 16     | ✓       | 716      | ✓     |
| 17  | 600   | 635 ✓               |       | 17      | ✓ 9.9  | 17                | ✓ 17 | A17              | 17   |                        | 17    | ✓       | 17     | ✓       | 717      | ✓     |
| 18  | 450   | 765 ✓               |       | 18      | ✓ 11.3 | 18                | ✓ 18 | A18              | 18   |                        | 18    | ✓       | 18     | ✓       | 718      | ✓     |
| 19  | 300   | 585 ✓               |       | 19      | ✓ 13.3 | 19                | ✓ 19 | A19              | 19   |                        | 19    | ✓       | 19     | ✓       | 719      | ✓     |
| 02M1N   | 20    | 225                 | 417 ✓ | 20      | ✓ 15.7 | 20                | ✓ 20 | A20              | 20   |                        | 20    | ✓       | 20     | ✓       | 720      | ✓     |
| 21  | 150   |                     |       | 21      | ✓ 17.1 | 21                | ✓ 21 | A21              | 21   |                        | 21    | ✓       | 21     | ✓       | 721      | ✓     |
| 22  | 100   | 761 ✓               |       | 22      | ✓ 18.3 | 22                | ✓ 22 | A22              | 22   |                        | 22    | ✓       | 22     | ✓       | 722      | ✓     |
| 23  | 50    | 264 ✓               |       | 23      | ✓ 23.4 | 23                | ✓ 23 | A23              | 23   |                        | 23    | ✓       | 23     | ✓       | 723      | ✓     |
| 24  | 5     | 771 ✓               |       | 24      | ✓ 30.1 | 24                | ✓ 24 | A24              | 24   |                        | 24    | ✓       | 24     | ✓       | 724      | ✓     |
| Sampler Initials                                |       |                     |       | CL      |        |                   |      | GHP              |      |                        |       | DM      |        |         |          |       |