**Metals levels in Transitional and Coastal Waters by ICPMS and Voltammetry analysis of spot samples and passive samplers (DGT)**

*Supplementary information*

Table S1 – Samples collected at each sampling site for analysis by ICPMS, voltammetry (Volt) and DGT and deploying times of DGTs (days).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sampling sites** | **nº samples (ICP)** | **nº of samples (Volt)** | **nº samples (DGT)** | **DGT deploying time (days)** |
| La Luz | 9 | 12 | 18 | 2-7 |
| Jinámar | 6 | 6 | 6 | 4-7 |
| Taliarte | 9 | 12 | 12 | 2-7 |
| Gando | 6 | 6 | 6 | 4-7 |
| Oporto | 5 | 10 | 4 | 3 |
| Lisbon | 6 | 12 | 8 | 5 |
| Sesimbra | 6 | 12 | 8 | 5 |
| Port-en-Bessin | 10 | 12 | 6 | 4 |
| Saint-Nazaire | 10 | 12 | 12 | 4 |
| Saumonard | 10 | 12 | 6 | 4 |
| Dublin Bay-2 | 6 | 12 | 6 | 5 |
| Dublin Bay-4 | 6 | 12 | 6 | 5 |
| Liverpool | 6 | 6 | 3 | 6 |
| Buoy 38A | 7 | 6 | 6 | 6-7 |
| Newhaven | 3 | 6 | 5 | 4 |
| Molo Dogana | 6 | 10 | 6 | 5 |
| Molo Ichnusa | 6 | 10 | 6 | 5 |
| Molo Rinascita | 6 | 10 | 6 | 5 |
| Sant'Elmo Dock | 6 | 10 | 12 | 2-5 |
| Ria of Aveiro | 12 | 24 | 8 | 5 |
| Oiartzun | 70 | 70 | 35 | 5 |
| Deba | 20 | 24 | 6 | 5 |
| Charente estuary | 20 | 20 | 6 | 4-7 |
| Aulne Estuary | 10 | 12 | 3 | 4 |
| Alexandra Basin - River Liffey | 8 | 11 | 8 | 5 |
| River Lee - Lough Mahon | 5 | 8 | 6 | 5 |
| River Ballynacorra | 5 | 6 | 6 | 5 |
| Fal estuary | 20 | 16 | 12 | 4 |
| Belfast Lough | 22 | 12 | 6 | 6-7 |

Table S2 - Certified and measured average concentrations and standard deviations of Ni, Cd and Pb (μg/L) in SLEW-3 CASS-6 (National Research Council of Canada) using voltammetry and ICPMS.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CRM |  | Method | Cd (µg/L) | Pb (µg/L) | Ni (µg/L) |
| SLEW-3 | Certified | Voltammetry | 0.047±0.004 | 0.009±0.002 | 1.23±0.07 |
| Measured | 0.046±0.003 | 0.013±0.002 | 1.2±0.1 |
| CASS-6 | Certified | Voltammetry | 0.0217±0.0018 | 0.0106±0.0040 | 0.418±0.040 |
| Measured | 0.023±0.003 | 0.014±0.003 | 0.420±0.003 |
| CASS-6 | Certified | ICPMS | 0.0217±0.0018 | 0.0106±0.0040 | 0.418±0.040 |
| Measured | 0.024±0.0028 | 0.0103±0.0015 | 0.429±0.035 |