**Table S3** Isotopic composition of Hg for UM-Almadén

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Hg | δ199Hg | 2σ | δ200Hg | 2σ | δ201Hg | 2σ | δ202Hg | 2σ | Δ199Hg | 2σ | Δ200Hg | 2σ | Δ201Hg | 2σ |
|  | concentration | ‰ |  | ‰ |  | ‰ |  | ‰ |  | ‰ |  | ‰ |  | ‰ |  |
| UM-Almadén-1 | 0.3 ng mL-1 | -0.07  |  | -0.18  |  | -0.34  |  | -0.44  |  | 0.04  |  | 0.04  |  | -0.01  |  |
| UM-Almadén-2 | 0.3 ng mL-1 | -0.19  |  | -0.33  |  | -0.46  |  | -0.58  |  | -0.04  |  | -0.04  |  | -0.02  |  |
| UM-Almadén-3 | 0.3 ng mL-1 | -0.19  |  | -0.29  |  | -0.49  |  | -0.54  |  | -0.06  |  | -0.02  |  | -0.09  |  |
|  |  | **-0.15**  | **0.14**  | **-0.26**  | **0.14**  | **-0.43**  | **0.16**  | **-0.52**  | **0.14**  | **-0.02**  | **0.10**  | **0.00**  | **0.08**  | **-0.04**  | **0.10**  |
| UM-Almadén-4 | 0.5 ng mL-1 | -0.11  |  | -0.21  |  | -0.35  |  | -0.48  |  | 0.01  |  | 0.04  |  | 0.01  |  |
| UM-Almadén-5 | 0.5 ng mL-1 | -0.15  |  | -0.24  |  | -0.42  |  | -0.50  |  | -0.02  |  | 0.02  |  | -0.04  |  |
| UM-Almadén-6 | 0.5 ng mL-1 | -0.15  |  | -0.25  |  | -0.46  |  | -0.54  |  | -0.01  |  | 0.02  |  | -0.05  |  |
|  |  | **-0.13**  | **0.04**  | **-0.23**  | **0.04**  | **-0.41**  | **0.10**  | **-0.51**  | **0.06**  | **-0.01**  | **0.04**  | **0.02**  | **0.02**  | **-0.03**  | **0.06**  |
| UM-Almadén-7 | 1.0 ng mL-1 | -0.16  |  | -0.28  |  | -0.43  |  | -0.54  |  | -0.02  |  | -0.01  |  | -0.02  |  |
| UM-Almadén-8 | 1.0 ng mL-1 | -0.16  |  | -0.28  |  | -0.46  |  | -0.54  |  | -0.03  |  | -0.01  |  | -0.05  |  |
| UM-Almadén-9 | 1.0 ng mL-1 | -0.13  |  | -0.27  |  | -0.46  |  | -0.52  |  | 0.00  |  | -0.01  |  | -0.07  |  |
|  |  | **-0.15**  | **0.04**  | **-0.27**  | **0.02**  | **-0.45**  | **0.04**  | **-0.53**  | **0.02**  | **-0.02**  | **0.04**  | **-0.01**  | **0.00**  | **-0.05**  | **0.04**  |