

**Table 1S** Standard curves, linear ranges, Recovery, LODs and LOQs of arsenic (As).

| Element         | Arsenic (As)       |
|-----------------|--------------------|
| Standard curves | $Y=0.9107X-0.9129$ |
| Linear ranges   | 20~4000            |
| r               | 0.9992             |
| Recovery        | 97.2%              |
| Precision       | 0.96%              |
| LOD             | 0.005              |
| LOQ             | 0.017              |