

Typical Limits of Detection (LOD) for on-line analysers

| Metal | Metal Name | PDV (Portable analyser) | OVA (on-line analyser) |
|-------------------|---------------|--------------------------|------------------------|
| Ag | Silver | 0.5µg/l | 5µg/l |
| As (III) | Arsenic (III) | 5µg/l | -- |
| As (total) | Arsenic | 0.5µg/l | 2µg/l |
| Au | Gold | 2µg/l | 5µg/l |
| Bi | Bismuth | 2µg/l | -- |
| Cd | Cadmium | 0.5µg/l | 0.5µg/l |
| Co | Cobalt | 10µg/l (1*) | 10µg/l |
| Cr | Chromium | 5µg/l (1*) | 10µg/l |
| Cu | Copper | 0.5µg/l | 1µg/l |
| Fe | Iron | 5µg/l | 10µg/l |
| Hg | Mercury | 0.1µg/l | 0.5µg/l |
| Mn | Manganese | 2µg/l | 5µg/l |
| Mo | Molybdenum | 1ug/l* | 1ug/l |
| Ni | Nickel | 5µg/l | 5µg/l |
| Pb | Lead | 0.5µg/l | 1µg/l |
| Pd | Palladium | 5µg/l | 5µg/l |
| Sb | Antimony | 5µg/l | 5µg/l |
| Se | Selenium | 5µg/l | 10µg/l |
| Sn | Tin | 5µg/l | 5µg/l |
| Te | Tellurium | 10µg/l | 10µg/l |
| Tl | Thallium | 2µg/l | 2µg/l |
| U | Uranium | 1µg/l* | 5µg/l |
| Zn | Zinc | 0.5ug/l | 2µg/l |

Notes: Limits vary with sample type. Typical clean water values are shown.

* using the LabCell method.

Methods are available for the determination of metals from USEPA, NIOSH, ASTM, DIN, AOAC and ISO.