

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Core Environmental Consultants and Service

**SDG No.:** Q3346

**Contract:** CORE02

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |            |           |           |
|----------|-------------------------|------------------------------------------|-----------|------------|-----------|-----------|
|          |                         | Al                                       | Ca        | Fe         | Mg        | Ag        |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000 | -0.0000440 | 0.0000000 | 0.0000000 |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000  | 0.0000000 | 0.0000000 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000930  | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000  | 0.0000000 | 0.0000000 |
| Lead     | 220.353                 | -0.0000920                               | 0.0000000 | 0.0000380  | 0.0000000 | 0.0000000 |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000 | -0.0001440 | 0.0000000 | 0.0000000 |
| Silver   | 328.068                 | 0.0000000                                | 0.0000000 | -0.0001490 | 0.0000000 | 0.0000000 |

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| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|          |                         | As                                       | Ba        | Be        | Cd        | Co         |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870  |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Lead     | 220.353                 | 0.0000000                                | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000  |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0003570 |
| Silver   | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |

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| Analyte  | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |           |           |           |            |
|----------|-------------------------|----------------------------------------|-----------|-----------|-----------|------------|
|          |                         | Cr                                     | Cu        | K         | Mn        | Mo         |
| Arsenic  | 193.759                 | -0.0029000                             | 0.0000000 | 0.0000000 | 0.0000000 | 0.0004900  |
| Barium   | 493.409                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium  | 226.502                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Chromium | 267.716                 | 0.0000000                              | 0.0000000 | 0.0000070 | 0.0002200 | 0.0000000  |
| Lead     | 220.353                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0001400 | -0.0008600 |
| Selenium | 196.090                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0007460 | 0.0000000  |
| Silver   | 328.068                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | -0.0000120 |

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**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |           |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|-----------|
|          |                         | Na                                       | Ni        | Pb        | Sb        | Se        |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead     | 220.353                 | 0.0000000                                | 0.0006580 | 0.0000000 | 0.0000000 | 0.0001290 |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000 | 0.0003330 | 0.0000000 | 0.0000000 |
| Silver   | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |           |           |
|----------|-------------------------|------------------------------------------|------------|-----------|-----------|-----------|
|          |                         | Sn                                       | Ti         | Tl        | V         | Zn        |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000630  | 0.0001280 | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0001110 | 0.0000000 |
| Lead     | 220.353                 | 0.0000000                                | -0.0003610 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver   | 328.068                 | 0.0000000                                | -0.0007420 | 0.0000000 | 0.0000000 | 0.0000000 |