

## 106.1 - Metal (Inorganics) Constituents in Natural Matrices (liquid and solid forms)

These SRMs and RM are for analysis of materials of health or environmental interest. [Also see Categories 105 and 111.]

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

| SRM                   | Description                                                                                  | Unit Size             | Elemental Composition                                |
|-----------------------|----------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------|
| <a href="#">1640a</a> | Trace Elements in Natural Water                                                              | 250 mL                | 22 elements certified                                |
|                       |                                                                                              |                       | <i>7 reference values</i>                            |
| <a href="#">1641f</a> | Mercury in Water                                                                             | 10 x 10 mL            | 1 element certified                                  |
| <a href="#">1643f</a> | Trace Elements in Water                                                                      | 250 mL                | 29 elements certified                                |
| <a href="#">1646a</a> | Estuarine Sediment                                                                           | 70 g                  | 20 elements certified                                |
| <a href="#">1648a</a> | Urban Particulate Matter                                                                     | 2 g                   | 25 elements certified                                |
|                       |                                                                                              |                       | <i>8 reference values</i>                            |
|                       |                                                                                              |                       | (6 information values)                               |
|                       |                                                                                              |                       | <i>9 reference values</i>                            |
| <a href="#">1947</a>  | Lake Michigan Fish Tissue                                                                    | 5 x 8 grams           | 8 elements certified                                 |
| <a href="#">2385</a>  | Slurried Spinach                                                                             | 4 x 70 g              | 7 elements certified                                 |
| <a href="#">2387</a>  | Peanut Butter                                                                                | 3 x 170 g             | 9 elements certified                                 |
|                       |                                                                                              |                       | plus numerous non-elemental constituents             |
| <a href="#">2451</a>  | Fine Carbon (Activated) - From Cyanide Ore Leaching                                          | 100 g                 | 1 element certified (Hg)                             |
|                       |                                                                                              |                       | <i>1 reference value (Au)</i>                        |
| <a href="#">2583</a>  | Trace Elements in Indoor Dust (Nominal Mass Fraction of 90 mg/kg Lead)                       | 8 g                   | 5 elements certified                                 |
| <a href="#">2584</a>  | Trace Elements in Indoor Dust (Nominal Mass Fraction of 1 % Lead)                            | 8 g                   | 5 elements certified                                 |
|                       |                                                                                              |                       | <i>10 reference values</i>                           |
| <a href="#">2586</a>  | Trace Elements in Soil Containing Lead From Paint (Nominal Mass Fraction of 500 mg/kg Lead)  | 55 g                  | 4 elements certified                                 |
|                       |                                                                                              |                       | <i>25 reference values</i>                           |
| <a href="#">2587</a>  | Trace Elements in Soil Containing Lead from Paint (Nominal Mass Fraction of 3000 mg/kg Lead) | 55 g                  | 4 elements certified                                 |
|                       |                                                                                              |                       | <i>14 reference values</i>                           |
| <a href="#">2696</a>  | Silica Fume (powder form)                                                                    | 70 g                  |                                                      |
| <a href="#">2700</a>  | Hexavalent Chromium in Contaminated Soil (Low Level)                                         | 75 g                  | 4 elements certified                                 |
|                       |                                                                                              |                       | <i>9 reference values</i>                            |
| <a href="#">2701</a>  | Hexavalent Chromium in Contaminated Soil (High Level)                                        | 75 g                  | 4 elements certified                                 |
|                       |                                                                                              |                       | <i>8 reference values</i>                            |
| <a href="#">2702</a>  | Inorganics in Marine Sediment                                                                | 50 g                  | 24 elements certified                                |
|                       |                                                                                              |                       | 8 reference values                                   |
| <a href="#">2703</a>  | Sediment for Solid Sampling (Small Sample) Analytical Techniques                             | 5 g                   | 22 elements certified                                |
|                       |                                                                                              |                       | <i>7 reference values</i>                            |
|                       |                                                                                              |                       | (9 information values)                               |
| <a href="#">2706</a>  | New Jersey Soil, Organics and Trace Elements                                                 | 50 g                  | 23 elements                                          |
|                       |                                                                                              |                       | <i>29 reference values</i>                           |
|                       |                                                                                              |                       | plus PAHs                                            |
| <a href="#">2709a</a> | San Joaquin Soil Baseline Trace Element Concentrations                                       | 50 g                  | 19 elements certified                                |
|                       |                                                                                              |                       | <i>15 reference values</i>                           |
|                       |                                                                                              |                       | (10 information values)                              |
| <a href="#">2710a</a> | Montana I Soil Highly Elevated Trace Element Concentrations                                  | 50 g                  | 22 elements certified                                |
|                       |                                                                                              |                       | <i>13 reference values</i>                           |
|                       |                                                                                              |                       | (13 information values)                              |
| <a href="#">2711a</a> | Montana II Soil Moderately Elevated Trace Element Concentrations                             | 50 g                  | 25 elements certified                                |
|                       |                                                                                              |                       | <i>8 reference values</i>                            |
|                       |                                                                                              |                       | (12 information values)                              |
| <a href="#">2780a</a> | Hard Rock Mine Waste                                                                         | 50 g                  | 35 certified values                                  |
|                       |                                                                                              |                       | <i>24 reference values</i>                           |
|                       |                                                                                              |                       | (5 information values)                               |
| <a href="#">2781</a>  | Domestic Sludge                                                                              | 40 g                  | 12 elements certified                                |
|                       |                                                                                              |                       | <i>10 reference values</i>                           |
| <a href="#">2782</a>  | Industrial Sludge                                                                            | 70 g                  | 10 elements certified                                |
|                       |                                                                                              |                       | <i>16 reference values</i>                           |
| <a href="#">2783</a>  | Air Particulate on Filter Media                                                              | 2 +2 Blnk (47 mm dia) | 18 elements certified; 9 ref values                  |
| <a href="#">2983</a>  | Inorganics in Geoduck Clam Tissue ( <i>Panopea generosa</i> )                                | 12 g                  | 2 elements certified                                 |
|                       |                                                                                              |                       | <i>4 elements non-certified</i>                      |
|                       |                                                                                              |                       | <i>plus non-elemental constituents non-certified</i> |
| <a href="#">8210</a>  | Hemp                                                                                         | 3 x 1.5 g             | <i>13 elements non-certified plus cannabinoids</i>   |
| <a href="#">8610</a>  | Mercury Isotopes in UM-Almaden Mono-Elemental Secondary Standard                             | 4 x 5 mL              | <i>1 reference value</i>                             |
| <a href="#">8704</a>  | Buffalo River Sediment                                                                       | 50 g                  | <i>25 reference values</i>                           |
| <a href="#">8785</a>  | Air Particulate Matter on Filter Media                                                       | 3 filters             | <i>1 reference value</i>                             |
| <a href="#">8786</a>  | Filter Blank for RM 8785                                                                     | filter                | (1 information value)                                |

- Certified values are normal font.

- Non-certified and reference values are italicized.

- Information values and values of potential interest are within parentheses.