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## All about mercury

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The EVISA Link database contains information about all aspects of mercury speciation:

- mercury species determination (analytical methods etc)
- toxicity and biological activity of different mercury species
- distribution and fate of mercury species in the environment
- mobility, bioavailability and bioaccumulation of mercury species
- Research groups and their projects related to the chemical speciation of Hg
- Standards, rules and legislation related to mercury

If you are looking for something special, please go to the Link Database that will allow for more specific search.

### Chemical Analysis

#### US EPA Method 7471a: Mercury in solid or semisolid waste (manual cold-vapor technique)

MERCURY IN SOLID OR SEMISOLID WASTE (MANUAL COLD-VAPOR TECHNIQUE) Method 7471 is approved for measuring total mercury (organic and inorganic) in soils, sediments, bottom deposits, and sludge-type mater...

#### US EPA Method 7471B: Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

MERCURY IN SOLID OR SEMISOLID WASTE (MANUAL COLD-VAPOR TECHNIQUE) Method 7471 is approved for measuring total mercury (organic and inorganic) in soils, sediments, bottom deposits, and sludge-type mater...

#### US EPA Method 7472: Mercury in aqueous samples and extracts by anodic stripping voltametry

MERCURY IN AQUEOUS SAMPLES AND EXTRACTS BY ANODIC STRIPPING VOLTAMMETRY (ASV) This method is applicable for laboratory determinations of dissolved organic and inorganic divalent mercury ions and compoun...

#### US EPA Method 7473: Mercury in solids and solutions by thermal decomposition, amalgamation and atomic absorption spectrometry

Method 7473 is designated for the determination of mercury (CAS No. 7439-97-6) in solids, aqueous samples, and digested solutions in both the laboratory and field environments. Integration of thermal ...

#### US EPA Method 747: Mercury in Sediment and Tissue Samples by Atomic Fluorescence Spectrometry

MERCURY IN SEDIMENT AND TISSUE SAMPLES BY ATOMIC FLUORESCENCE SPECTROMETRY This procedure measures total mercury in sediment and tissue samples. The range of this method is from approximately 1 part pe...

#### US EPA: Clean Water Act Analytical Methods: Method 1631: Measurement of Mercury in Water

This method allows for the determination of mercury at a minimum level of 0.5 parts-per-trillion and supports measurements for mercury published in the National Toxics Rule and in the Final Water Qual...

#### US EPA: Mercury Preservation Techniques

The EDRB-LV Solution Researchers at the EDRB-LV found that a trace amount of gold chloride (AuCl<sub>3</sub>) added to the HNO<sub>3</sub> solution preserved all forms of mercury. The gold acts as a strong oxidizing agent t...

#### US FDA: Analysis of Foods for As, Cd, Cr, Hg and Pb by Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Current Method CFSAN/ORS/DBC/CHCB April 25, 2011 This method is for the analysis of food for the following elements: arsenic, cadmium, chromium, lead and mercury. The technique used for determining the...

#### US FDA: Elemental Analysis Manual (EAM) for Food and Related Products

The U. S. Food and Drug Administration's (FDA) responsibility for maintaining a safe food supply is met in part by monitoring for toxic and nutritional elements in food and related products. FD...

#### US FDA: Elemental Analysis Manual: Section 4.8: HPLC-ICP-MS Determination of Methylmercury and Total Mercury in Seafood

This method describes procedures for using high performance liquid chromatography (HPLC) and inductively couple plasma-mass spectrometry (ICP-MS) to determine methylmercury and total mercury in seaf...

#### USGS Method OFR\_01-445: Methyl Mercury in Water

Brief Method Summary: Samples are distilled to remove potential interferences. Samples are then ethylated and purged onto carbon traps. The traps are thermally desorbed, separated with a GC column, an...

### Information

**Mercury in Medicine – Taking Unnecessary Risks** A Report Prepared by



The establishment of EVISA is funded by the EU through the Fifth Framework Programme (G7RT-CT-2002-05112).

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**BNASS/TraceSpec 2014: Tandem Conference**  
31.08.2014  
University of Aberdeen - Aberdeen, Scotland

**AOAC's 128th Annual Meeting & Exposition**  
07.09.2014  
Boca Raton, Florida, USA

**24. ICP-MS Anwendertreffen und 11. Symposium Massenspektrometrische Verfahren Elementspurenanalyse 2014**  
15.09.2014  
HZG Helmholtz Zentrum Geesthacht, Germany

... more Events

News

What's new on EVISA's web site ?

Man is significantly contaminating oceans with mercury

New research indicates that chromium (II) is even more genotoxic than chromium (VI)

Analytik Jena AG Signs Agreement to Acquire Bruker's ICP-MS Business

EU Commission consults on chromium VI in toys

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