

Modification of a commercial atomic absorption spectrophotometer for cold-vapor determination of mercury

U.S. Dept. of the Interior, Bureau of Mines - Determination of mercury in fish by cold vapour atomic absorption spectrometry using an automatic mercury analyzer

Description: -

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Spectrophotometer.

Atomic absorption spectroscopy.

Mercury -- Analysis.Modification of a commercial atomic absorption spectrophotometer for cold-vapor determination of mercury

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Report of investigations / Bureau of Mines ;Modification of a commercial atomic absorption spectrophotometer for cold-vapor determination of mercury

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Tags: #Browse #subject: #Atomic #absorption #spectroscopy

Browse subject: Atomic absorption spectroscopy

All fish species sampled had concentrations less than the WHO limit of 0. Lodenius, Human hair mercury levels in Tucuruí area, State of Pará, Brazil. In practice the cold-vapor method has proven to be the most reliable, and numerous studies in the improvement of the technique have been made.

Browse subject: Atomic absorption spectroscopy

Discussion and Conclusions There are many commercially available mercury cold-vapor systems.

Variables in the determination of mercury by cold vapor atomic absorption

The quartz windows were cut from the end windows of worn-out hollow cathode lamps. Souza, Hair mercury speciation as a function of gender, age, and body mass index in inhabitants of the Negro River basin, Amazon, Brazil.

Browse subject: Atomic absorption spectroscopy

The demand for analyses of many environmental samples has created a need for a simple and rapid method for the routine determination of mercury at this low level. Such diverse materials as ores, mill products, stream water, sediments, and flue dust have been analyzed. After the sodium metasilicate was dry, the optical cell was wrapped over its entire length with 14 turns of No.

Modification of a reaction vessel for the determination of total mercury in hair by cold vapor atomic absorption spectrometry

Smith, Lester Elkin Burkhart, Oak Ridge Y-12 Plant, Carbide and Carbon Chemicals Corporation, and U. Reductant solution is prepared by weighing 1 g SnCl_2 into a beaker and adding 1 ml concentrated HCl and enough distilled water to adjust the volume to 100 ml.

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Clarkson, Atomic absorption determination of total, inorganic and organic mercury in blood. Such diverse materials as ores, mill products, stream water, sediments, and flue dust have been analyzed. It has been a more rapid and sensitive method for determining mercury than the colorimetric dithiazone or the flame atomic absorption methods previously used.

Method for Determining Mercury on JSTOR

Determination of Traces of Mercury.

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