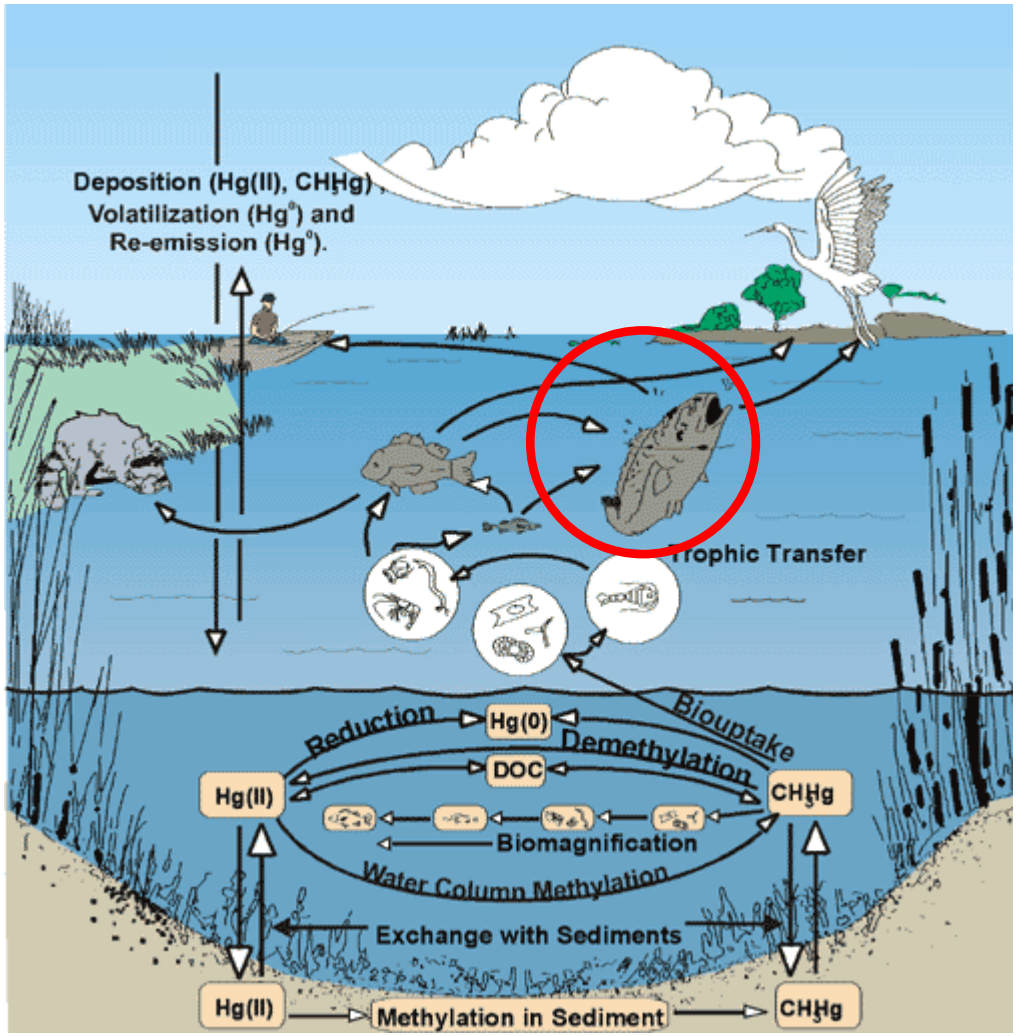

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The Odds and Evens of Mercury Isotopes: Applications of Mass-Dependent and Mass-Independent Isotope Fractionation

Bridget A. Bergquist[1] and Joel D. Blum[2]

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Both MDF and MIF preserved in fish, such as this small mouth bass from Lake Solitaire, Ontario, provide new insights into bioaccumulation of monomethylmercury and the photochemical degradation of MeHg prior to incorporation into the food web.

Mercury (Hg) is a redox-active trace metal that is viewed internationally as a priority pollutant. Research into Hg stable isotope biogeochemistry is rapidly providing new insight into the behavior of Hg. With the recent discovery that Hg can exhibit both mass-dependent

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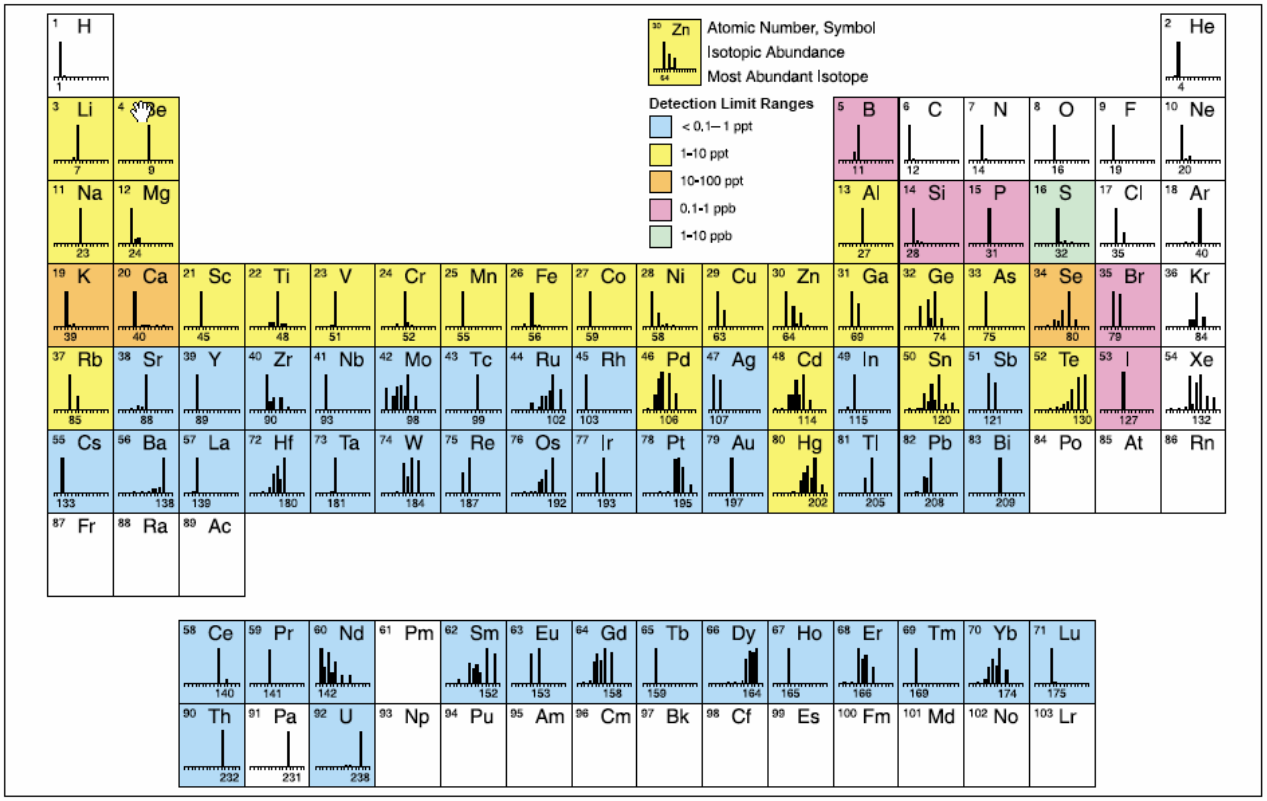
One of two multi-collector High Resolution Inductively Coupled Plasma-Mass Spectrometers (HR-MC-ICP-MS) at the Wisconsin State Laboratory of Hygiene

Environmental Isotope Facility at The Wisconsin State Laboratory of Hygiene



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