

Georges-Marie Momplaisir, Research Chemist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

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Area of Expertise: My research efforts address 1) the development and application of analytical methods to determine volatile and non-volatile trace-element containing compounds in environmental and biological matrices, 2) development of extraction methods for engineered nanomaterials (EMM) in complex matrices, and 3) Development of analytical methods to study the effects of EMM on soil microbial activities.

Select Publications:

MOMPLAISIR, G., M. H. HIATT, AND C. G. ROSAL. ThP05 Biogeneration of Volatile Selenium Compounds in Biosolids/Biofuels and Quantification by VD/GC/ICPMS . Presented at 2012 Winter Conference on Plasma Spectrochemistry, Tucson, AZ, January 09 - 14, 2012.

MOMPLAISIR, G., C. G. ROSAL, E. M. HEITHMAR, K. E. VARNER, L. A. RIDDICK, D. F. BRADFORD, AND N. G. TALLENT-HALSELL. Development of a Solid Phase Extraction Method for Agricultural Pesticides in Large-Volume Water Samples. Journal of Separation Science. Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany, 81:1380-1386, (2010).

BRADFORD, D. F., E. M. HEITHMAR, N. G. TALLENT-HALSELL, G. MOMPLAISIR, C. G. ROSAL, K. E. VARNER, M. S. NASH, AND L. A. RIDDICK. Temporal Patterns and Sources of Atmospherically Deposited Pesticides in Alpine Lakes of the Sierra Nevada, California , USA. ENVIRONMENTAL SCIENCE & TECHNOLOGY. American Chemical Society, Washington, DC, 44(10):4609-4614, (2010).

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Education:

- Ph.D. in Analytical Chemistry, McGill University
- B.SC. in Chemistry, Université de Montréal

Professional Experience:

- Research Chemist, U.S. EPA, NERL, ESD, ECB, 1999 – Present

- Research Chemist and Laboratory Coordinator for the Harry Reid Center of
- Environmental Studies, University of Nevada, Las Vegas, NV, 1998 – 1999
- Post-Doctoral Research Associate of the U.S. National Research Council, 1995 – 1998