RURAL centre

Research Towards
Understanding Rural Health
in Atlantic Canadian Landscapes

Physical description of the Environmental Health Laboratory

The Atlantic RURAL Centre's Environmental Health Laboratory, located in the National Research Council's Institute of Marine Biosciences in Halifax, contains 732 square feet of space and is capable of housing a variety of analytical and monitoring equipment. Additionally the laboratory will employ a research scientist (Dr. Mark Gibson) and depending on the projects underway several project coordinators and up to 10 research staff consisting of both field and lab technicians. The lab will also be used to train students.

Currently, the laboratory houses the following equipment:

- Perkin-Elmer TurboMatrix Thermal Desorption system coupled to a Perkin-Elmer Clarus 500 Gas Chromatograph with flame ionization and electron capture detection (TD-GC-FID/ECD). The TD-GC-FID/ECD is currently set up for the analysis of volatile organic hydrocarbons (VOCs) for applications related to indoor/outdoor air quality and for personal and occupational exposure assessment.

- Four SKC Inc. Deployable particulate samplers (DPS). The DPS is a filter based fine atmospheric particle ($PM_{2.5}$) monitor used for static area monitoring, ambient monitoring and personal exposure studies.

- One Thermo, model 49, automatic ozone analyzer for ambient real-time ozone monitoring.

The RURAL Centre, Centre for Clinical Research, 5790 University Avenue, Rm. #420, Halifax NS Canada, B3H 1V7
Phone: (902) 494-8051 Fax: (902) 494-1597 Email:info@theruralcentre.com Web: www.theruralcentre.com

A CIHR Sponsored Collaborative Initiative of:
Dalhousie University, Memorial University, Mount Allison University, Nova Scotia Agricultural College,
NSCC Centre of Geographic Sciences, Saint Mary's University, University of New Brunswick, and University of Prince Edward Island