



Pacific Rim Laboratories Inc. (PRL) specializes in the analysis of ultra-trace organic pollutants by high resolution mass spectrometry. PRL brings together principals that have over 60 years combined experience with some of the most prominent HRMS labs in Canada. We are accredited to ISO 17025 by CALA for specific tests listed with CALA.

PRL is servicing clients from a specially designed 850 m² lab and office complex in Greater Vancouver. Easy access to the US border plus an international cargo terminal at Vancouver International Airport, makes PRL an easy delivery point for samples from around the world. Call or email to find out how PRL can help with your analytical needs.

Key Words: Dioxin, PCB, HRMS, PBDE, TBT, ultra-trace, analytical, food, pulp, stack testing, ambient air, congener specific

Talk to someone who knows: When you have a question, you want to know that the person you are speaking with has some depth of knowledge about the topic. The principals at PRL have that experience and knowledge and are available to assist clients in understanding their data.

David Hope, CEO – has been involved in organic analysis for thirty years, more than half of that at the senior management level. He has been sworn in as an expert witness on “the fate of oil in the marine environment,” Chaired the Organic Committee for the BC Methods Manual and is the Chair for Trade Team Canada Environment’s Asia Working Group. He was instrumental in setting up two dioxin labs in the late 1980’s before moving into a management role. More recently Dave has taken an active role in marketing analytical services and is well known in North American, South American and Asian markets. Email: dave@pacificrimlabs.com

Patrick Pond, CTO – is a 30 year veteran of dioxin labs having set up and worked in a number of public and private facilities including Maxxam Analytics, as the technical head of their dioxin facility. Prior to Maxxam he worked with Chung Chui and Dr. Lau at Environment Canada’s River Road Laboratory. In the dioxin analytical field few analysts are capable of processing a wide range of samples through the entire analytical process and produce high quality data. Patrick is one such person. Email: pat@pacificrimlabs.com

Analytical Services

Dioxin/Furans – water, soil, tissue, pulp, blood, food, ambient air, stack tests
Detection Limits 1-5 pg/L (water), 0.5 – 2 ng/kg (soil), 0.1 – 0.5 ng/kg (food)

PCBs – congener specific analysis for dioxin-like PCBs, homolog totals.
Detection Limits 10-50 pg/L (water), 2-5 ng/kg (soil), 0.1 – 0.5 ng/kg (food)

PBDEs – congener specific analysis for dioxin-like PCBs, homolog totals.
Detection Limits 10-250 pg/L (water), 2-25 ng/kg (soil), 1-25 ng/kg (food)

Tributyltin – marine water, sediment, tissue
Detection Limits 1-5 ng/L (water), 1 µg/kg (soil/sediment), 10 µg/kg (tissue).

Organochlorine Pesticides –water, soil/sediment, tissue
Detection Limits 0.1-1 ng/L (water), 0.1-1 µg/kg (soil/sediment), 0.05-1 µg/kg (tissue).