

ENVIRONMENTAL ANALYSIS

Advanced Analytical provides advanced scientific analytical services to clients from Australia and overseas. We test for an extensive range of organic and inorganic chemical contaminants for customers in the environmental market sector. Emerging technologies and innovative and developing methodologies are our key drivers to facilitate testing to the very low levels of detection that will meet or exceed all new regulatory guideline requirements.

We offer:

- Low level detection of contaminants that meet or exceed international regulatory guidelines which includes for example;
 - All types of organic or inorganic contaminants required for your clients for environmental site reports
 - This could include organochlorine or organophosphorous or other similar residues
 - Contaminants in all types of waters, soils, sediments or biota from any site worldwide. (We have import permits for Australian Quarantine Authorities)
- Detection of uncommon chemical residues using emerging analytical techniques which includes as examples;
 - - The organo tin compounds (tri butyl tin) in marine sediments
 - Herbicides and pesticides for example, glyphosates or triazines AND their metabolites
- Testing for contaminants in a diverse and/or difficult matrices including for example;
 - Organotin compounds in biological samples of plant or animal origin
- Technical expertise and extensive experience in the analytical testing market of all types of environmental samples for any type of organic and inorganic contaminant. We can develop and accredit new methods for the difficult analyses to suit your specific needs.

Our instrumentation and testing capabilities include:

- LC/MS/MS for low level detection of non-volatiles, for example detection of herbicides including glyphosate, paraquat and diquat.
- High Performance Large Volume Injection GC/MS for low level detection of semi-volatiles, for example PAHs, organochlorine pesticides and organotins in sediments, to meet ANZECC guideline values.
- Purge & trap GCMS for volatile organics such as BTEX and VHCs.
- ICP-AES and CVAAS for routine trace element analyses in environmental matrices.

We promise to deliver high quality results on time and in full.