

## Summary of Linkage Infrastructure Applications for Funding to Commence in 2006

### Western Australia

#### Curtin University of Technology

**LE0668452** Prof RI Kagi; Prof R Alexander; A/Prof K Grice; Dr JJ Brocks; A/Prof EL Ghisalberti; A/Prof RD Trengove; Dr CF Vernon; Dr A Heitz; Dr PF Greenwood; Dr CA Joll; Dr B Warton; Dr FM Buseti

**Approved** **A research grade liquid chromatograph - mass spectrometer for quantitative analysis of trace**

**Project Title** **organic analytes in complex matrices**

**2006 :** \$290,000

**Primary RFCD** 2504 ANALYTICAL CHEMISTRY

#### **Partner Organisation(s)**

Curtin University of Technology

The University of Western Australia

The Australian National University

Murdoch University

CRC for Water Quality and Treatment

Water Corporation of WA

Centre for Groundwater Studies

CSIRO Minerals

**Administering Institution** Curtin University of Technology

#### **Project Summary**

The ARC has provided matching funding of \$300K to a consortium of Australian universities, CSIRO, CRCs, water utilities and other research centres for an investment in a modern system for measurement of organic species in complex mixtures. The system, called a liquid chromatograph-mass spectrometer, has application in environmental studies of soils, sediments and natural waters; in control of quality of potable water supplies; studies of natural products and plant extracts; and in studies related to petroleum exploration, production, and environmental issues.