

CHAPTER VI

CONCLUSION AND RECOMMENDATION

6.1 Conclusion

Techniques in preconcentration neutron activation analysis of some trace toxic elements in water eg, As, Sb, Co, Cd, Hg, Zn, W, Mo, Se and Cr (VI) had been developed and tested with using the Standard Reference Material. These techniques were found reliable.

Subsequently, the method was applied for the determination of trace metals in both pure chemistry field as well as the water pollution concern. This was thus confirmed that the techniques were practical.

The developed techniques were fast, easily operated and applicable for the routine analysis.

6.2 Recommendation

It is recommended that further studies should be done on the possibility of increasing the scope of these techniques both on the number of trace elements as well as the fields of application. According to this, other new reagents used for the chelates formation etc. should be looked for.

For the economical purposes, the locally produced activated charcoal should be studied.