

CHAPTER V

CONCLUSIONS

SECR process in vapor phase application appears a good promising to regenerate the spent activated carbon. SECR process can be effective in subsequent adsorption even though half of residual surfactant still remain in the carbon bed. This study has shown that trichloroethylene exhibits a significant mass transfer limitation due to its large molecule. As the flow rate of regenerant solution is increased, the effective capacity of the regenerated carbon increases .