

CHAPTER 6

RECOMMENDATIONS FOR FUTURE WORK

The following statements are recommended for future studies.

1. Other widely used coagulants such as polyaluminumchloride (PACl) and iron-salt coagulants should be studied so as to make the comparison with the results obtained in this study.
2. The chlorinated DBPs in term of HAAs, HANs and cyanogen halides should be also considered as NOM surrogates and determined so that the other matrix correlations among NOM surrogates can be done.
3. Due to the formations of dichlorobromoform and bromoform were observed in this study, this may be caused by the reason that bromide may be present in water samples. Therefore, the investigation of brominated organic compound is interesting for further study.
4. Ozonization and membrane processes which are currently served as the advanced water purification techniques should be considered to be used for NOMs removal.
5. Data sets which will be further subdivided into lower and higher AMW- NOM including humic and nonhumic fractions in an attempt to determine the contribution of these fractions to NOM properties and reactivity must be performed in the future work.