

## Supporting Information

### A. Pre-laboratory Handout

- 1) Calculate the molarity (M) of 29.0 g of ethanol (C<sub>2</sub>H<sub>6</sub>O) in 545 mL of solution.
- 2) Calculate the molarity of 6.57 g of methanol (CH<sub>4</sub>O) in 1.50 x 10<sup>2</sup> mL of solution.
- 3) Describe the process of rhizofiltration.
- 4) Describe some advantages and disadvantages of phytoremediation.
- 5) What do you expect to occur in this experiment?
- 6) What other experiments would you suggest or like to test?

### B. Data Sheets

#### *Trial #1—initial zinc solution*

#### *Calculations*

Total volume of EDTA titrated (mL) \_\_\_\_\_

Molarity of zinc solution \_\_\_\_\_

#### *Trial #2—10 minute sample*

Total volume of EDTA titrated (mL) \_\_\_\_\_

Molarity of zinc solution \_\_\_\_\_

#### *Trial #3—30 minute sample*

Total volume of EDTA titrated (mL) \_\_\_\_\_

Molarity of zinc solution \_\_\_\_\_

#### *Trial #4—60 minute sample*

Total volume of EDTA titrated (mL) \_\_\_\_\_

Molarity of zinc solution \_\_\_\_\_

- Graph (using a computer spreadsheet program such as Excel if possible) the molarity of zinc solution (y-axis) vs. time (x-axis). Attach the graph to your data sheet.
- Discuss your results. What does your graph indicate has happened during this experiment? Based on the prelab lecture and handout, is this what you expected? Why or why not?