

CAPTURE ZONE ANALYSES FOR PUMP AND TREAT SYSTEMS

EPA Headquarters

July 12, 2007

10:00 Introductory Remarks

10:15 Overview of Key Concepts

- What is a Capture Zone?
- Why is Capture Zone Analysis Important?
- Concept of “Converging Lines of Evidence”

10:30 Six Basic Steps for Capture Zone Analysis

- Step 1: Review Site Data, Conceptual Model, and Remedy Objectives
- Step 2: Target Capture Zone
- Step 3: Water Levels

12:00 Lunch (1 hour)

1:00 Six Basic Steps for Capture Zone Analysis (continued)

- Step 4: Calculations
- Step 5: Concentration Trends and Tracers
- Step 6: Summarizing “Converging Lines of Evidence”

2:15 Case Study

2:45 Summary of Key Concepts for a Manager or Reviewer

3:00 Adjourn