A QUICK INTRO TO STAND-ALONE
METHOD 8261 SURROGATE CORRECTIONS

This section provides a quick run-through of Method 8261 procedures using example files provided in the installation program.

- Load the compound library ExampleLibrary.txt (all files are located in the installation directory) using the 'File | Open Library...' menu option.
- Load the 'ExampleSurrogate.ini' surrogate file using 'Files | Open Surrogate File...'.
- Click 'Calibration | Create/New...'.
  - Press the 'Add Standard' button and select 'Example1.txt' as the standard file.
  - The 'Standard Level Selection' dialog will be displayed. Select 'Conc1' as the standard concentration. Press 'Exit'.
  - Press the 'Add Surrogate Reference' and select 'Example1.txt' as the surrogate reference file.
  - Click the 'Save' button and save the calibration as '1point.cal'.
  - Click 'Print' to print the calibration report and surrogate report.
  - Click 'Exit'.
- Load the calibration file just created using 'File | Open Calibration File...'.
- Perform a check calibration. Click 'Calibration | Check Calibration...'.
  - Select 'Example1.txt' as the check standard.
  - Select the Conc1 radio button.
  - Press the 'Print' button to produce a check calibration report. This report should show the same values for the Calibration and Check Standard responses. Predicted recovery should be 100 percent and deviations should be zero.
    The calibration and check calibration surrogate reports should be nearly identical (axes of the graph may shift and very small numbers – $<10^{-6}$ – may show in place of zero).
  - Click 'Exit'.
- Perform a quantitation. Click 'Quantitation | Process Sample Files...'.
  - Click the 'Add File' button and select 'Example1.txt'.
  - In the 'File Processing Input' dialog, enter 1 for the sample size.
  - Click 'Enter'.
  - Click the 'Process' button to print a quantitation report. Predicted recoveries should be 100 percent and deviations zero.
  - Click the 'Review' button to show the results of the quantitation. This is a text file that can be exported to a spreadsheet.
  - Click 'Exit'.

If results are not as predicted, contact Steven McLemore - Anteon Corporation - at (702) 798-2283 or mclemore.steven@epa.gov.