

US EPA ARCHIVE DOCUMENT

## A QUICK INTRO TO CHEMSTATION METHOD 8261 SURROGATE CORRECTIONS

- Load the Example.m method using the Enhanced Data Analysis main menu option Method8261 | Load Method.
- Load the 'Oxysm.ini' surrogate file using Method8261 | Load Surrogate File. The file is in the ...example.m\8261dir\Surrogates directory.
- Click Method8261 | Create Calibration File.
  - Press the 'Add Standard' button and select 'Example1.d' as the standard directory.
  - The Standard Level Selection dialog will be displayed. Select 'Conc1' as the standard concentration. Press "Exit".
  - Press the 'Add Surrogate Reference' and select 'Example1.d' 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 Method8261 | Load Calibration File.
- Perform a check calibration. Click Method8261 | Check Calibration.
  - Select 'Example1.d' 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 response and the check standard response. 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 Method8261 | Method 8261 Quantitation.
  - Click the 'Add File' button and select 'Example1.d'.
  - 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 a review. 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) 784-8324 or [mclemore.steven@epa.gov](mailto:mclemore.steven@epa.gov).