Familiarization Checklist

Purpose of Procedure

To demonstrate the steps required to transfer data using a demo data file and sequence, evaluate the resulting data and perform routine operational maintenance. Familiarization is intended to give operators a basic overview of the operation and maintenance of the GPC data analysis software and is not designed to substitute for a full operator training course.

Customer Responsibilities

The customer should ensure that

- The G2182AA GPC data analysis software is installed and operational.
- The G2182AA GPC data analysis software demo data files and sequences are available (automatically installed during installation of the GPC data analysis software).
- Users can operate Microsoft Windows NT or Windows 2000 or Windows XP and the ChemStation
- The G2182AA GPC data analysis software manual is available
- Users of the instrument should be present at all times during the familiarization, otherwise important information on operation and maintenance may be missed.

Checklist

Setup

- ❑ Explain work flow in the G2182AA GPC data analysis software.
- ❑ Activate the GPC evaluation for a method.
- ❑ Explain GPC settings dialog.

Data analysis and Reporting

- ❑ Load the method GPC_SAM.M
- ❑ Load a sample data file from GPC_DEMO, e.g. 049-001.D
- ❑ Make sure that the Report Settings are set to Interactive screen review
- ❑ Select Calculate GPC results
- ❑ Explain the raw data/chromatogram (R), elugram (E) and mass distribution window (M)
- ❑ Show how to optimize manually the baseline and the effect on the molecular weight data
- ❑ Change the Report Settings in GPC Settings to Print results
- ❑ Select Calculate GPC results
- ❑ Explain the printed report

Calibration

- ❑ Highlight the raw data window and load a data file containing GPC standards from GPC_DEMO, e.g. 001-0101.D
- ❑ Explain the Sample Editor window
- ❑ Open the Calibration window, reduce and place it such that you still see the elugram (E) window
- ❑ Explain how to insert the calibration data with the help of the "Add to calibration" window
- ❑ Do the same with the other two calibration files 002-0201.D and 003-0301.D
- ❑ Explain how to select the best curve fit with the Deviation (%) function in the calibration table

Sequencing

- ❑ In Method and Run Control load the sequence GPC_Demo.S
- ❑ Change the Part of methods to run in the Sequence Parameters window to Reprocessing Only
- ❑ Close all raw data windows (R) besides one
- ❑ Start the sequence
- ❑ While the sequence is running explain the changing information displayed in the raw data (R), elugram (E) and mass distribution window (M)

Maintenance

- ❑ Backup CAL files.

Additional Support Information

- ❑ Explain how to use the manual and help.
- ❑ Explain Agilent Technologies support services and how to obtain help.
- ❑ Software
- ❑ Assist Packages
- ❑ Additional Training
- ❑ Consulting
- ❑ Explain warranty.

Not included in Familiarization

- ❑ Training on PC, Windows or ChemStation
- ❑ GPC methods and calibration types
- ❑