Installing and Removing Smcreporter for Use With Agilent ChemStation

Installing Smcreporter

Smcreporter is distributed on CD-Rom or as a downloadable zip file. The distribution includes a full featured install program. The install program includes three types of installations – 1) program files only, 2) program files and example method and data files (installing example files is recommended to verify the installation), and 3) C++Builder 4 source code for all executables.

Before beginning the installation:
- Agilent's ChemStation software must be loaded on the target computer.
- Make sure that the GC/MS data analysis application is in enhanced mode.
  The data analysis window title must indicate 'Enhanced Data Analysis'. Consult ChemStation documentation to set the analysis mode if required.
- The installation program asks for two installation file paths - the destination directory and the data destination. It is essential that Smcreporter files be installed in the proper ChemStation directories. To find the proper directories, use a text editor to read the WIN.INI file (located in the Windows system directory – usually C:\WINDOWS or C:\WINNT).
  - ▸ The ChemStation destination directory is the value of the Path key (Path=) in the [PCS] section (see User's Guide Appendix 4) – for example: C:\HPCHEM.
  - ▸ The data destination is the value of the _datapath$ key. The _datapath$ key is found under the [PCS, #] section, where # represents the instrument number. If there is more than one _datapath$ key, find the appropriate instrument number by entering _instnum<Enter> on the ChemStation command line (results of variables entered on the command line are shown at the bottom of the ChemStation window). Remove the trailing backslash (\) to obtain the data destination – for example: C:\HPCHEM\1\DATA.
- Confirm the ChemStation version.
  On the Enhanced Data Analysis main menu, select Help|About. Note whether the version starts with 'B', 'C', or 'D'. For the 'D' version, note the full version identification – letter and numeric code. The program uses different macros depending on the ChemStation version.
- Remove any prior versions of Smcreporter by following the instructions below under 'Removing Smcreporter'.

The installation CD has an autorun program and will start when placed in the CD drive. The downloadable zip program should first be unzipped to any media – i.e., a zip drive or a temporary directory on any mapped drive. It can then be copied to a CD (in which case the install will start when inserted in the CD drive), or started by executing the Setup.exe file in the location where the unzipped files reside.

The first dialog box displayed (Figure 1) prompts for the destination directory. Accept the default entry – C:\HPCHEM – only if it is the ChemStation destination directory determined above. To change the selection, click the Browse button and use the Choose Folders dialog to select the ChemStation directory on your system. If the directory is entered from the keyboard, be sure there is not a trailing backslash. Click the 'Next' button.
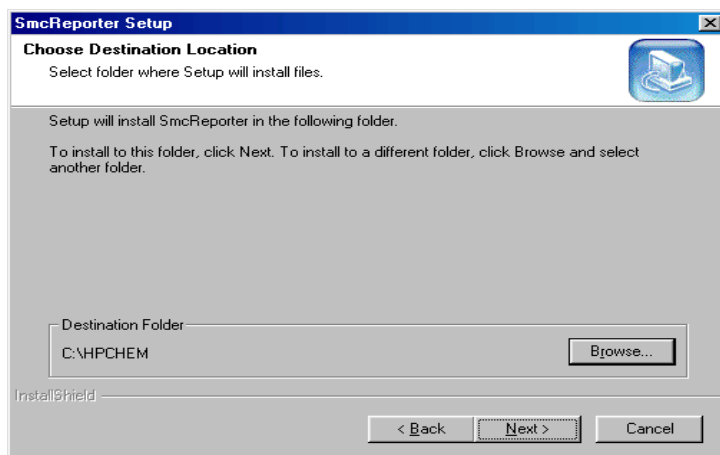

Figure 1 - Choose Destination Location Dialog

The install program looks in the destination directory to find the ChemStation version. The Confirm ChemStation Version dialog (Figure 2) will be displayed. If the install program cannot find the version, it defaults to version B. Confirm that the version is correct by selecting the appropriate radio button. Note that Version C and Version D.00.00 install the same files. Version D.00.01 (or higher – that is, version D following installation of program patches) is a different set of files. Click 'Next".
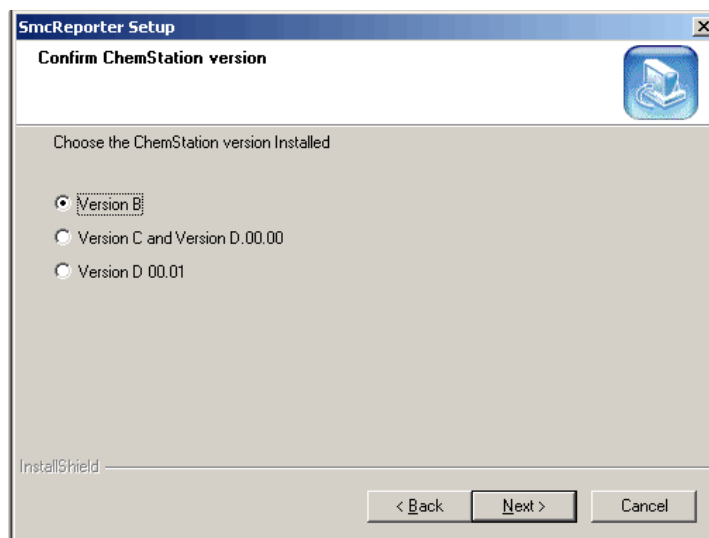

Figure 2 – Confirm ChemStation Version Dialog

The 'Next' button will bring up the 'Setup Type' dialog (Figure 3). There are three setup types:

• Program Files Only – this option installs only the files necessary to run Smcreporter. These files are listed in the User's Guide Appendix 1.

• Programs and Example Data – installs the program files as above and example method and data files. This is the suggested option. The example files can be used to verify that the installation is working properly (see User's Guide Appendix 2).

• Source Code – installs the C++Builder 4 source code for Smcreporter. All source code will be installed in a subdirectory – Method8261 – under the installation directory. Source for three executable programs and a C++Builder component library object are installed in subdirectories.

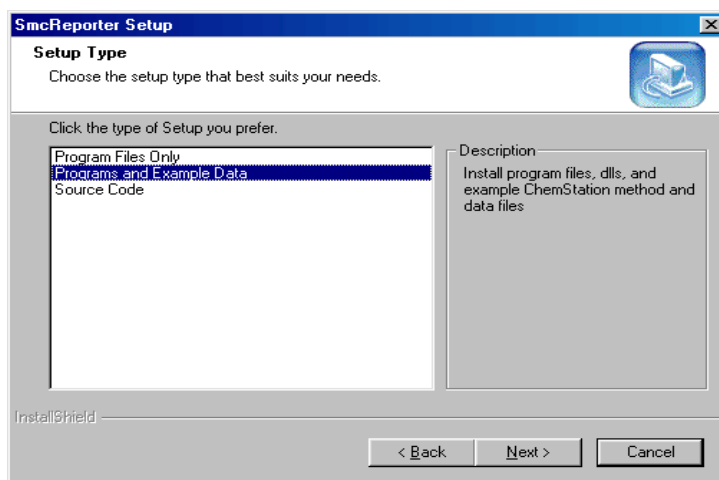Select the desired setup type and click the 'Next' button.

Figure 3 - Setup Type Dialog

If 'Program Files Only' or 'Programs and Example Data' are selected, a dialog similar to Figure 1 will be displayed. This dialog (Choose Data Destination) is used to identify the data directory for ChemStation. Accept the default entry – C:\HPCHEM\1\DATA – only if it is the ChemStation data directory. To change the selection, click the Browse button and use the Choose Folders dialog to select the ChemStation data directory on your system. If the directory is entered from the keyboard, be sure there is not a trailing backslash. Click the 'Next' button.

After clicking 'Next', the Smcreporter files will be loaded onto the host machine. A progress bar will be shown and the install program will close at the end of the installation.

Installation Notes

Please note the following points about the Smcreporter installation:

• During installation, a subdirectory called 'Sys8261.d' is created in the data directory. This subdirectory provides a known path to a data file that allows Smcreporter ChemStation macro files to create and maintain the 8261 library files. Do not delete the Sys8261.d

subdirectory.
- The installation program replaces two macros in the MSEXE subdirectory. The original versions of these two files - enhmsbar.mac and envcomm.mac - are renamed with a .bac extension before being replaced with Smcreporter versions.
- The installation uses the default ChemStation directory structure. Program files and macros are installed in the Msexe and Msmacros subdirectories under the installation directory. Example data files are installed in the data directory indicated during the install. The example method is placed in the Methods subdirectory at the same level as the Data directory. For example, if C:\HPCHEM\1\DATA was selected as the data directory, example data files will be located there, and the example method file will be located in C:\HPCHEM\1\METHODS. Appendix 1 includes a list of files installed.

Removing Smcreporter

To remove Smcreporter, use the Windows Add/Remove Programs facility. Using the Start button, select Start | Settings | Control Panel. Select Add/Remove Programs. Highlight Smcreporter and click the Add/Remove button. All installed components of Smcreporter will be removed.

Uninstall Notes

When Smcreporter is removed from a machine, the two macros which were renamed in the install program are not restored to their original names. Rename Enhmsbar.bac and Envcomm.bac to Enhmsbar.mac and Envcomm.mac.