

## Compile Module

### **Description**

The compile module allows the user to easily assemble and collate analytical results generated by Chemstation. By dragging selected files to the compile window this module generates a table based on the common elements of the files such as compound name or retention time; this table can then be exported to Excel or Word for further manipulation or analysis.

### **Features**

Graphical user interface means no command language required.

Select data files or sequences by double clicking in the Explorer or dragging and dropping into the Catalog Pane.

Identify directories that contain sequences or data files using a Windows Explorer interface including network drives.

See file name and sample name on directory tree.

View descriptive data file information (such as sample name, info, date acquired, method, etc.) in the Catalog Pane.

Customize and sort information fields for display.

Preview, Print and export sample logs of individual sequences or whole directories to your printer or spreadsheet.

Maximize views for printing or to focus on specific information.

Organizes data by sample and header fields. For example; organize rows by compound name and display retention time or area percent.

Sort columns by ascending, descending or initial order.

Select and or exclude data to be displayed for a given header field.

Calculate statistics such as sum, mean, standard deviation and relative standard deviation with simple mouse clicks.

Preview and print compiled data table and Chemstation reports.

### **Requirements**

Compile Module requires that Chemstation be configured to generate Report.CSV files.

#### **Operating System**

Windows 95 (with Internet Explorer 4.0), Windows 98, Windows NT, Windows 2000

#### **Hardware**

5 MB free hard disk space  
Minimum 32 MB RAM  
Recommended 64 MB RAM)

#### **Display**

Minimum 800 x 600 resolution, High Color (16 bit)  
Recommended 1024 x 768 True Color (24 bit)

## Compile Module

### Catalog Pane

View sample information such as sample name, sample info, operator and date of collection.

The screenshot displays the 'Data Analysis Tool Kit 1.5' interface. On the left is the 'Explorer Pane' showing a file tree. The top right is the 'Catalog Pane' with a table of sample information. The bottom right is the 'Compiled Data Pane' showing a table of compound names and their retention times.

| Sequence     | Datafile | Sample                           | Info                             | Operator | Date                | Me |
|--------------|----------|----------------------------------|----------------------------------|----------|---------------------|----|
| Example Data | HTFD01.d | Naphtha Hydrotreater Feed 001    | Naphtha Hydrotreater Feed 001    | DAG      | 04-Mar-00, 21:08:10 | DH |
| Example Data | HTPR01.d | Naphtha Hydrotreater Product 001 | Naphtha Hydrotreater Product 001 | DAG      | 05-Mar-00, 01:17:19 | DH |

| Compound Name       | Std Dev | RS%   | Naphtha Hydrotreater Feed | Naphtha Hydrotreater Product |
|---------------------|---------|-------|---------------------------|------------------------------|
| n-propane           | 0.000   | 0.00% | 1                         | 1                            |
| i-butane            | 0.000   | 0.00% | 2                         | 2                            |
| n-butane            | 0.000   | 0.00% | 3                         | 3                            |
| t-butene-2          | 0.000   | 0.00% | 4                         | 4                            |
| 2,2-dimethylpropane | 0.000   | 0.00% | 5                         | 5                            |
| c-butene-2          | 0.000   | 0.00% | 6                         | 6                            |
| 3-methyl-butene-1   | 0.000   | 0.00% | 7                         | 7                            |
| i-Pentane           | 0.000   | 0.00% | 8                         | 8                            |
| pentene-1           | 0.000   | 0.00% | 9                         | 9                            |
| 2-methyl-butene-1   | 0.000   | 0.00% | 10                        | 10                           |
| n-Pentane           | 0.000   | 0.00% | 11                        | 11                           |
| isoprene            | 0.000   | 0.00% | 12                        | 12                           |
| t-pentene-2         | 0.000   | 0.00% | 13                        | 13                           |
| c-pentene-2         | 0.000   | 0.00% | 14                        | 14                           |
| 2-methylbutene-2    | 0.000   | 0.00% | 15                        | 15                           |
| 1t,3-pentadiene     | 0.000   | 0.00% | 16                        | 16                           |
| 1c,3-pentadiene     | 0.000   | 0.00% | 17                        | 17                           |

### Explorer Pane

Identify data files and directories on your computer or across a network. Drag and drop files or directories from here into the Catalog Pane.

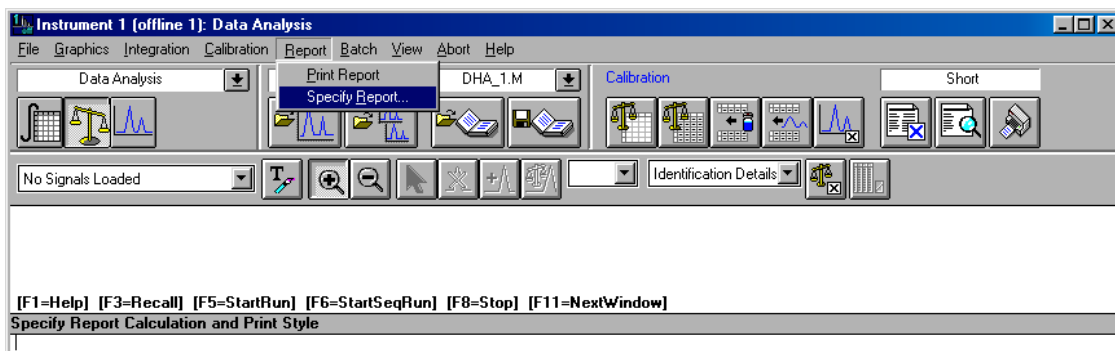
### Compiled Data Pane

View compiled data including retention time, area percents and statistical information for compounds within samples.

## Chemstation Configurations

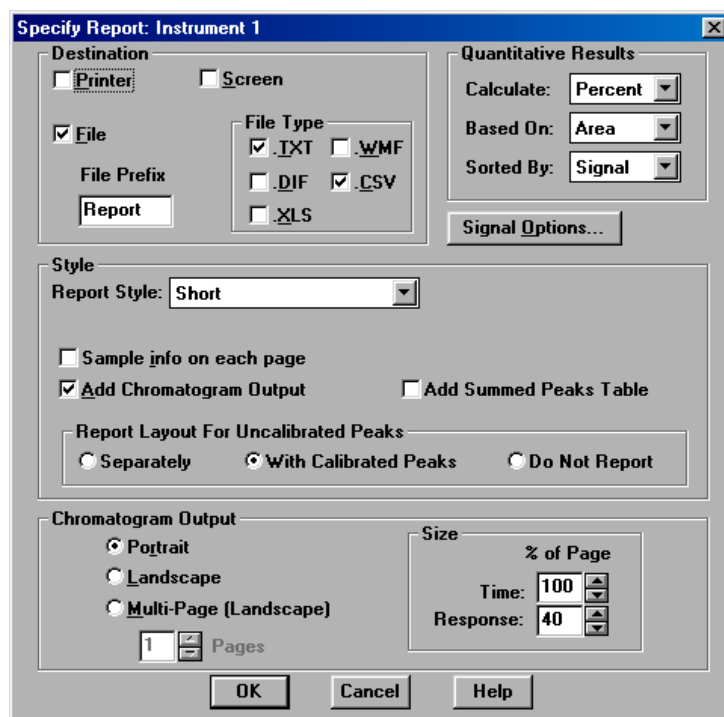
To understand how Chemstation should be set for optimal use of the Data Analysis Tool Kit please refer to the images below.\* After you have followed the examples here, select any other destinations for the Report as Chemstation can be configured to have multiple output destinations.

1.



- Open Chemstation
- Select **Report** from the top menu
- Select **Specify Report** to open the Specify Report window

2.



- Select Destination **File**
- Enter **Report** in File Prefix
- Select File Types **.TXT** and **.CSV**
- Choose any other Report parameters that you would like

\*Note: Your Chemstation software may be different than the one pictured here. All modules of The Data Analysis Tool Kit work with versions of Chemstation compatible with Microsoft Windows 95, 98, NT and 2000.