

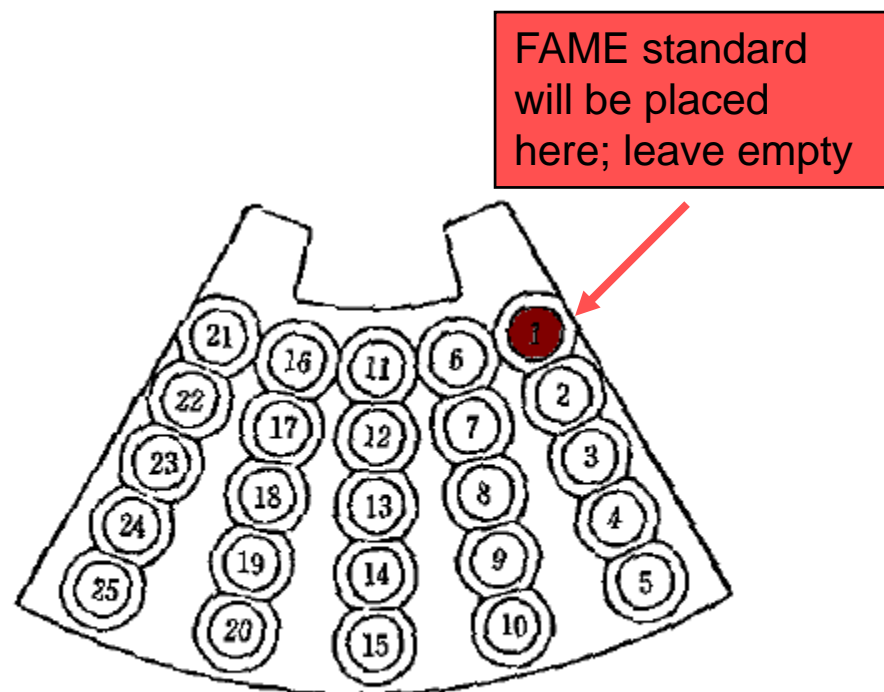
How to Make a GC Batch File

The GC software needs to 'know' where to find your samples in the autosampler tray. This is accomplished by creating a *batch file* which associates a given vial in the autosampler tray with a sample description, amount injected, data file name, and GC conditions for the analysis.



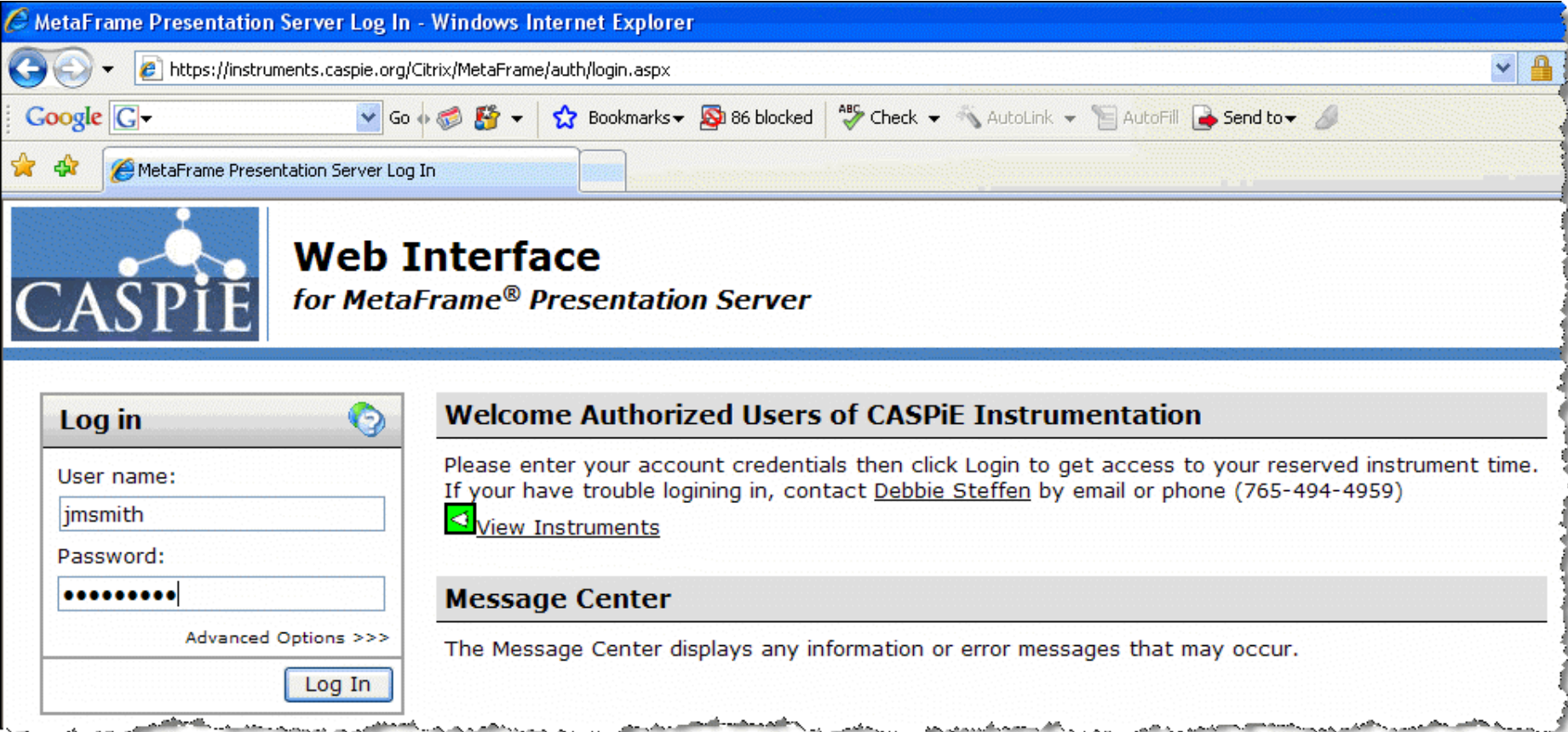
How to Make an GC Batch File

- After you have placed your samples in vials, a TA will assist you to place them in an autosampler tray.
- A representation of the tray is shown on the right. Notice the markings 1 through 25 on the tray.
- **Leave position 1 empty.** A FAME standard will be placed in this location by CASPiE lab staff.
- Place your samples in sequential order in the tray starting at position 2 (keep them together as a group).
- Note the location of your first sample and write it down. You will use the location of your first sample when you create the batch file.



Load the CASPIE Instrument Site

- To open the GC software launch your web browser and navigate to the CASPIE instrument website at <https://instruments.caspie.org>.
- Enter your account information to login.



MetaFrame Presentation Server Log In - Windows Internet Explorer

https://instruments.caspie.org/Citrix/MetaFrame/auth/login.aspx

Google G Go Bookmarks 86 blocked Check AutoLink AutoFill Send to

MetaFrame Presentation Server Log In

CASPIE

Web Interface

for MetaFrame® Presentation Server

Log in

User name:
jmsmith


Password:
●●●●●●●●

Advanced Options >>>

Log In

Welcome Authorized Users of CASPIE Instrumentation

Please enter your account credentials then click Login to get access to your reserved instrument time. If you have trouble logging in, contact [Debbie Steffen](#) by email or phone (765-494-4959)

 [View Instruments](#)

Message Center

The Message Center displays any information or error messages that may occur.

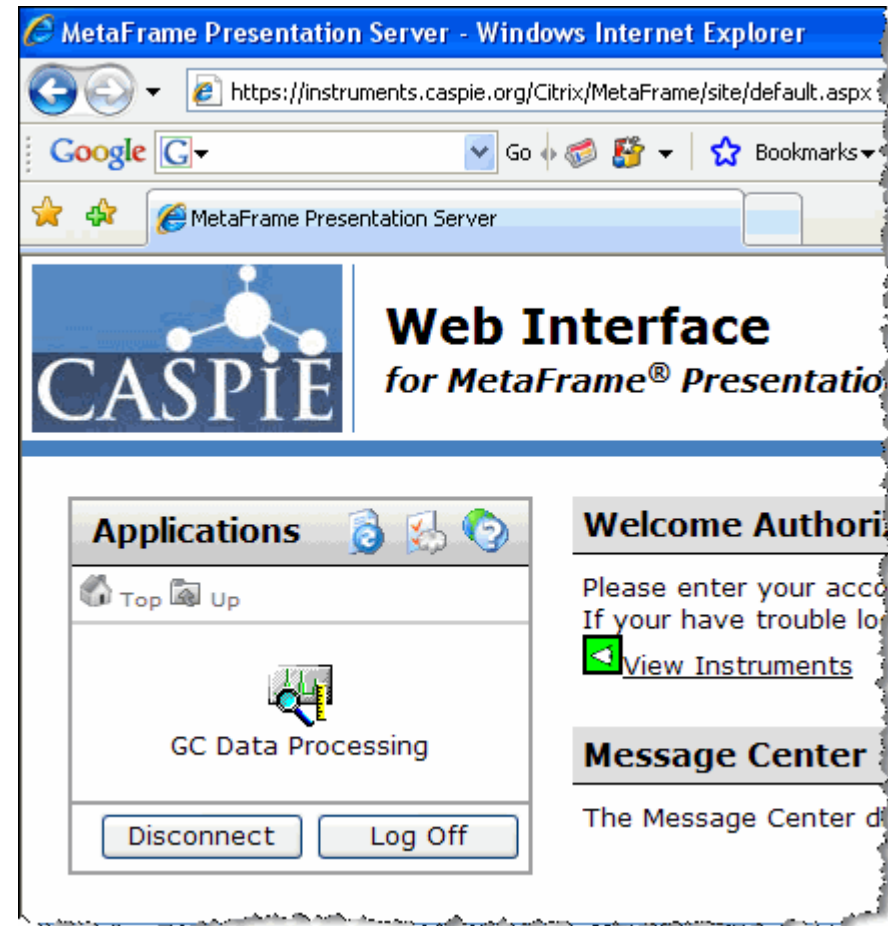
The GC Data Processing Software



You will use a copy of the GC software that *is not attached to the instrument* to produce the batch file. The version of the software not attached to an instrument is called the 'GC Data Processing'.

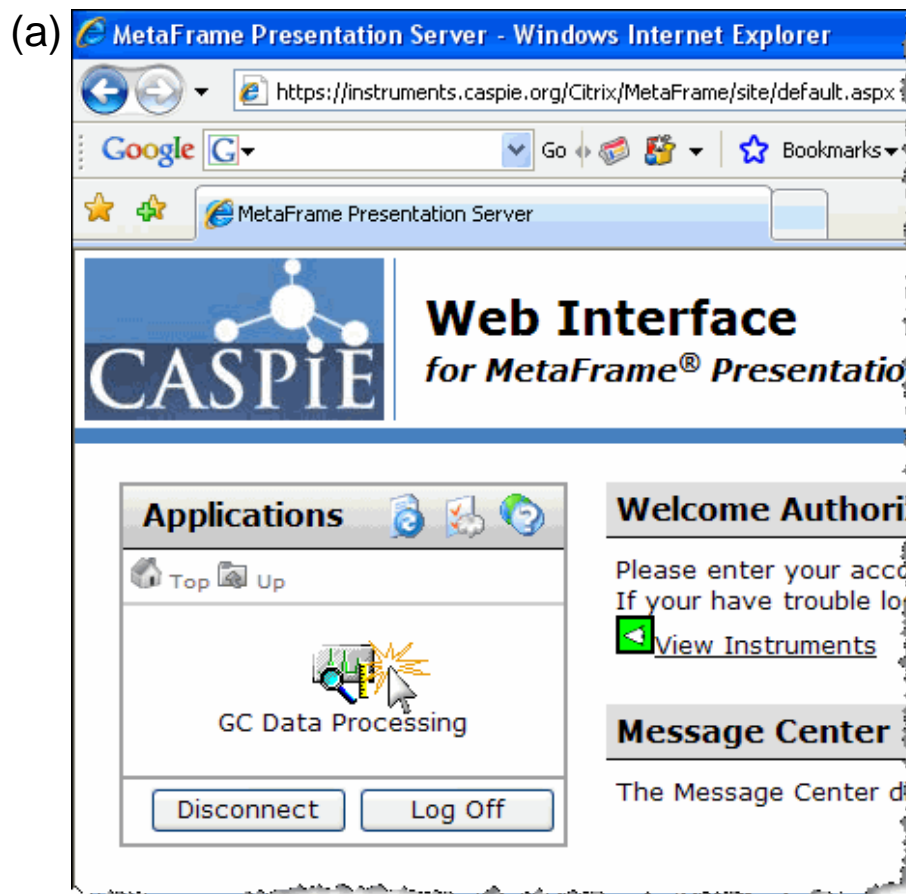
You will always have access to the GC data processing software during a CASPiE module. You will only have access to the instrument for remote control during your scheduled hours.

You will need the Citrix client installed on the computer you are using to proceed.



Launch GC Data Processing Software

- You should see one icon in the ‘Applications’ box. Launch the GC data processing software by clicking once on the icon (a).
- If the ‘GC Data Processing’ icon is not present ask your TA for help.
- A login window will appear (b). Use the user ID ‘Student.’ No password is required.

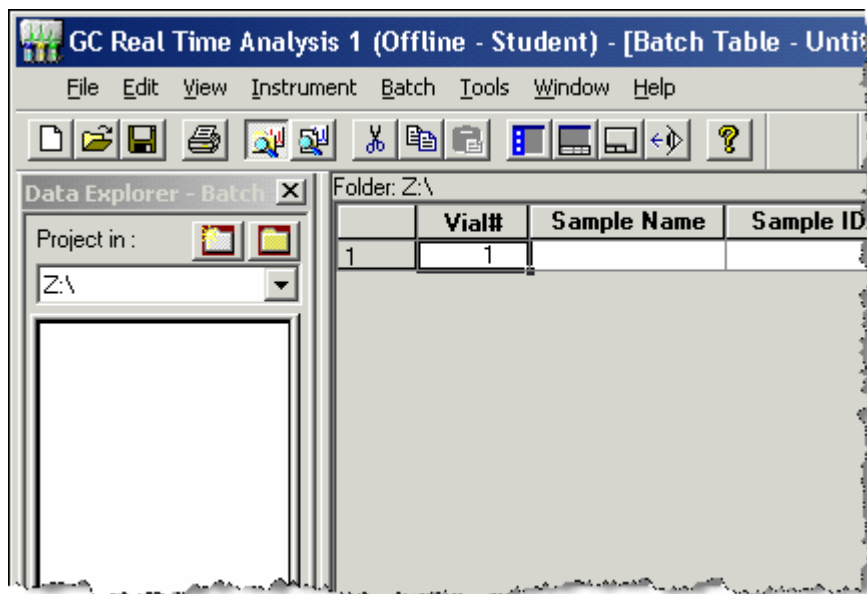


Launch Batch Table Wizard

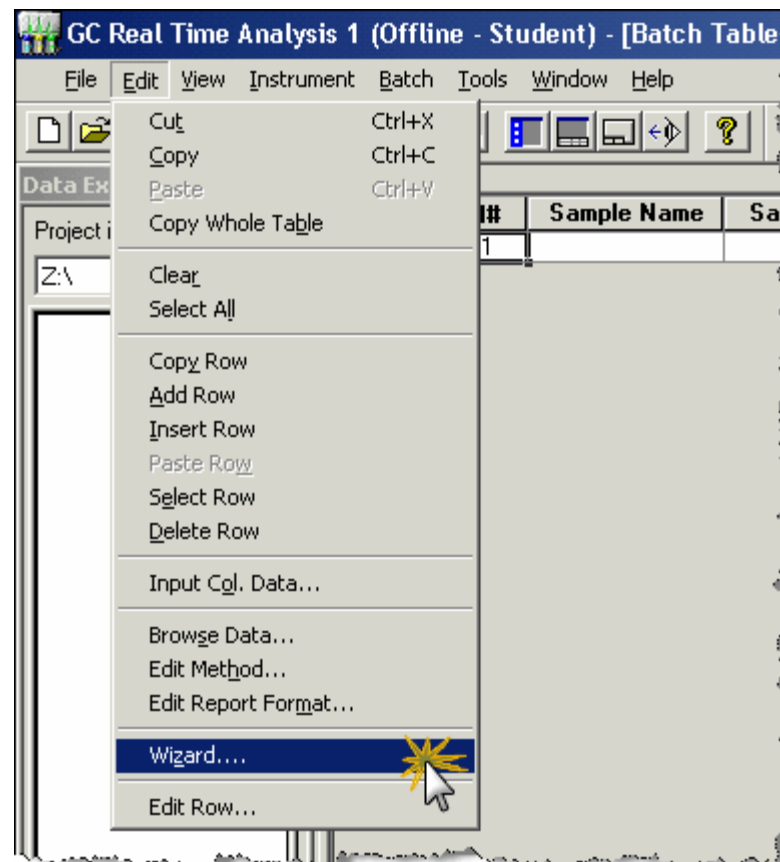


- The data processing application window will be labeled 'GC Real Time Analysis 1 (Offline)'. (a) 'Offline' means the instrument is not attached.
- Launch the batch table wizard by selecting Edit | Wizard. (b)

(a)



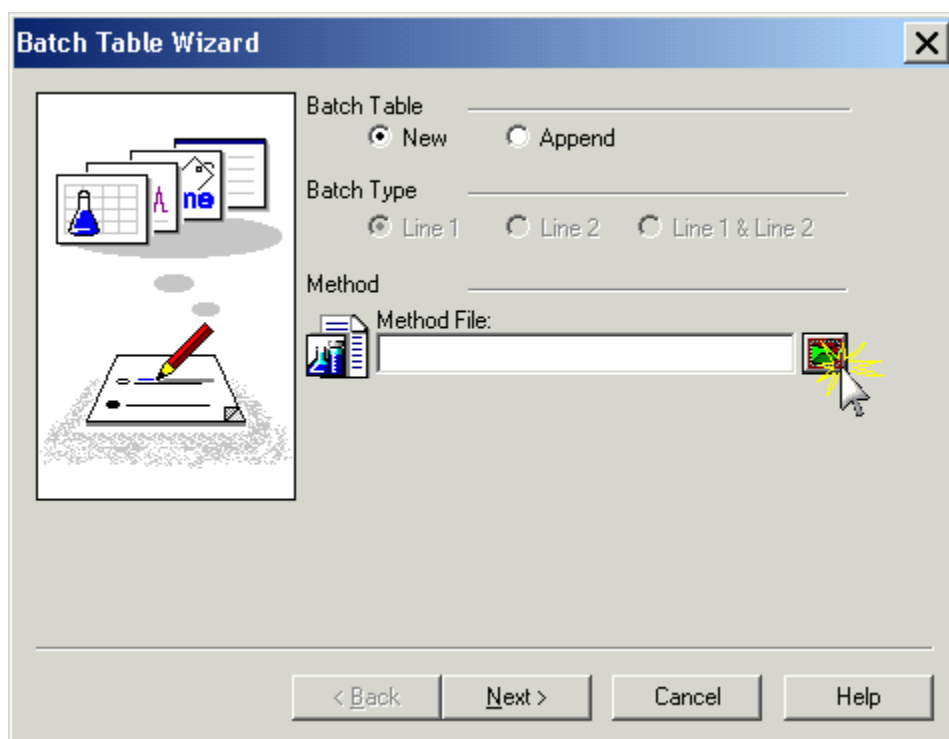
(b)



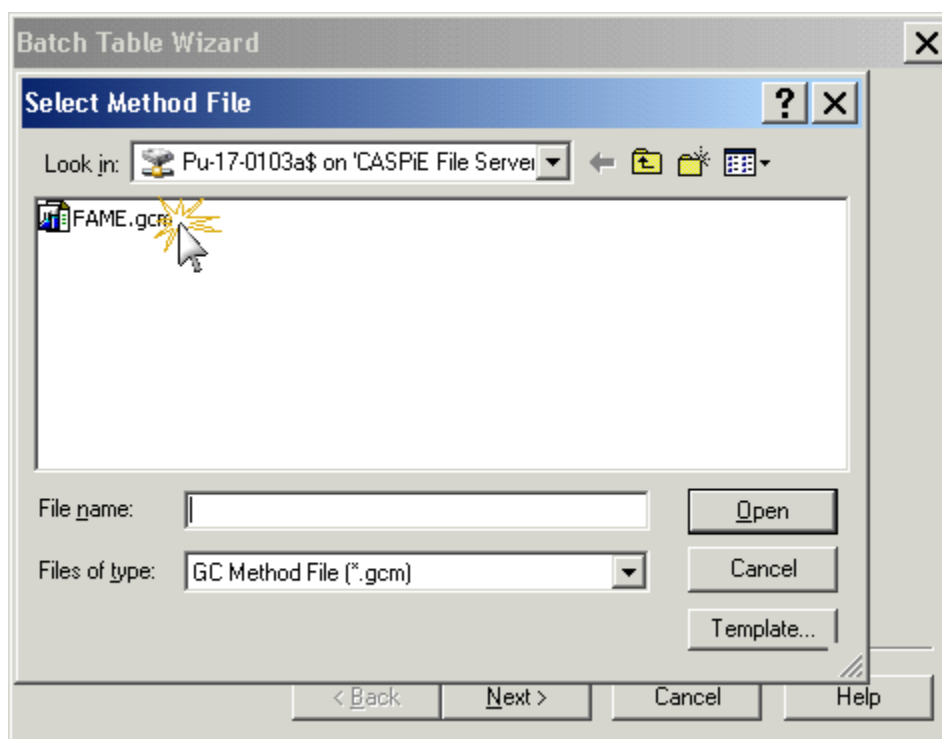
Batch Table Wizard

- In the 'Batch Table Wizard' window (a) Click on the Method open icon this will open another window (b).
- Select FAME.gcm from the Select Method File window and click Open. This file contains all the information needed to run the instrument such as He pressure and oven temperatures.

(a)



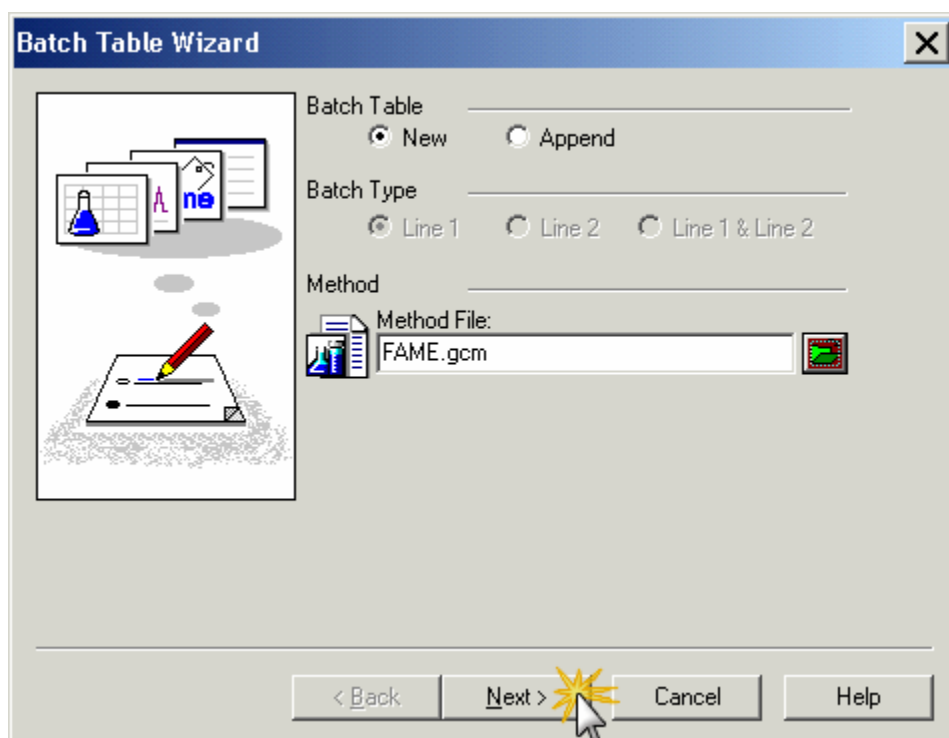
(b)



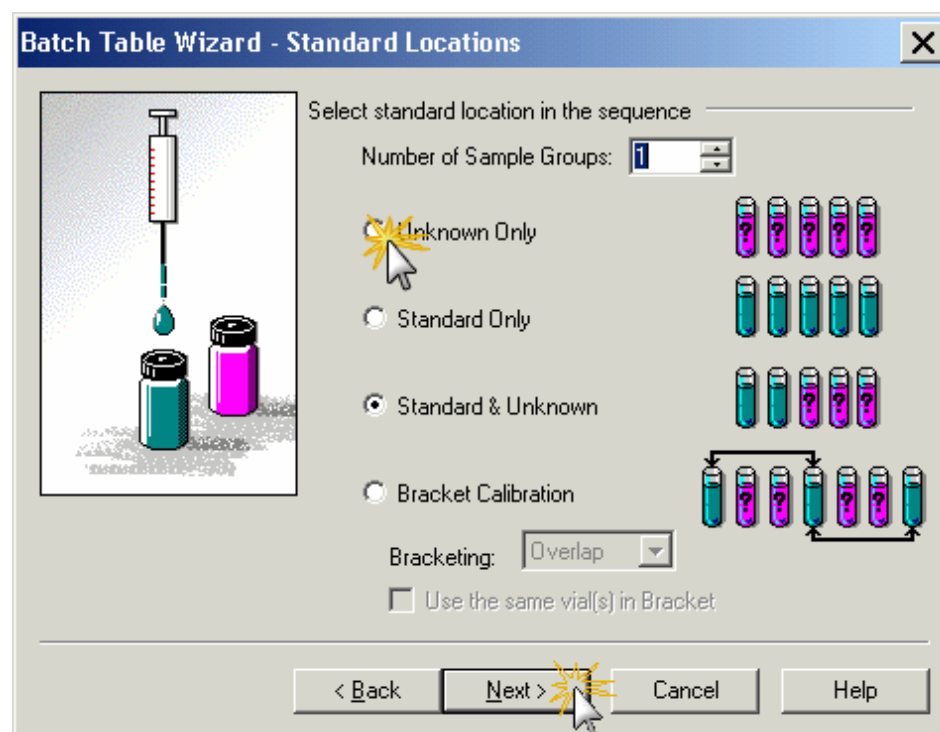
Batch Table Wizard

- Click on the 'Next' button (a).
- In the '- Standard Locations' window click on the 'Unknown Only' button, then on 'Next' button (b).

(a)

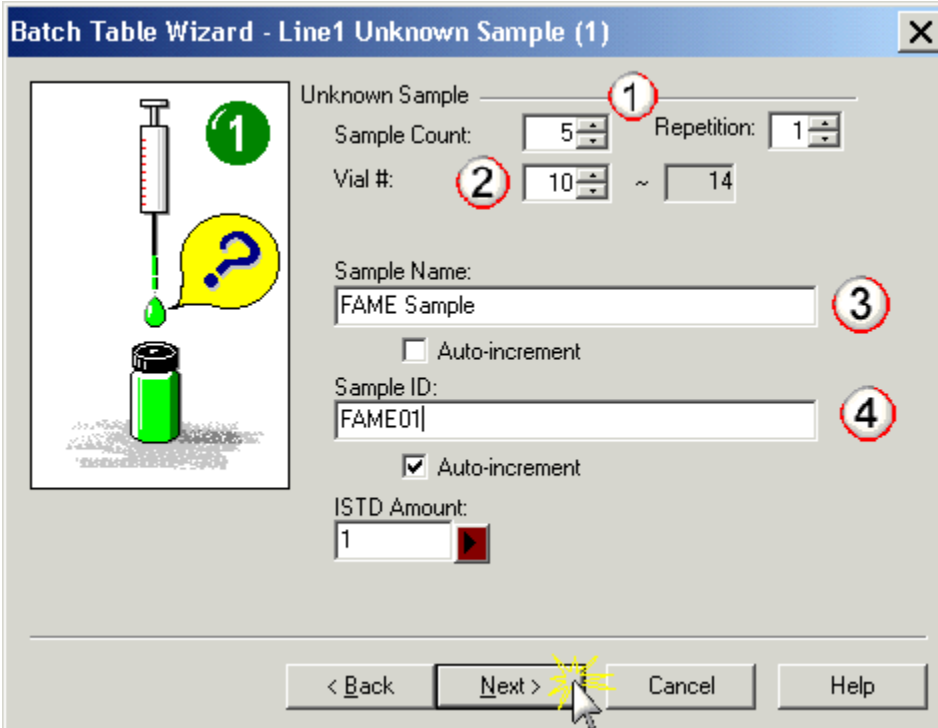


(b)



Batch Table Wizard

- In the 'Sample Count' box enter the number of samples you placed in the tray (1).
- In the 'Vial #' box enter the location in the autosampler tray where you placed your first sample. In this example the first vial was in position 10 (2).
- In the 'Sample Name' box enter a base name for your samples (3).
- In the 'Sample ID' box enter an base ID with the suffix '01' and make sure the 'Auto-increment' box is checked (4).
- Click 'Next' to continue.



Batch Table Wizard - Line1 Unknown Sample (1)

Unknown Sample 1

Sample Count: Repetition:


Vial #: 2 ~


Sample Name: 3

Auto-increment

Sample ID: 4

Auto-increment

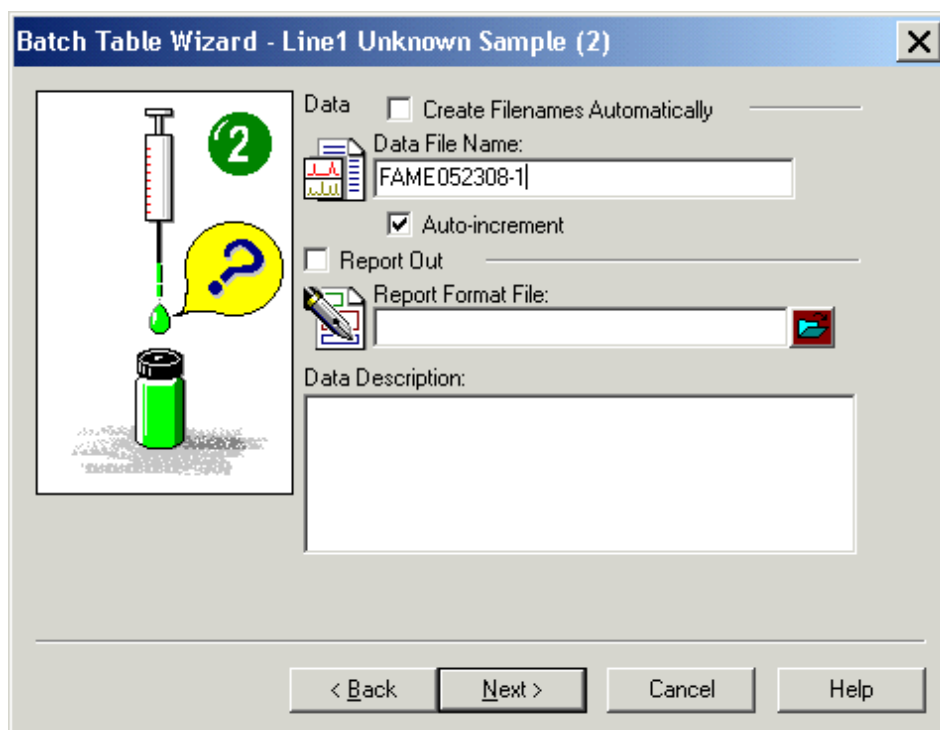
ISTD Amount: 

< Back Next >  Cancel Help

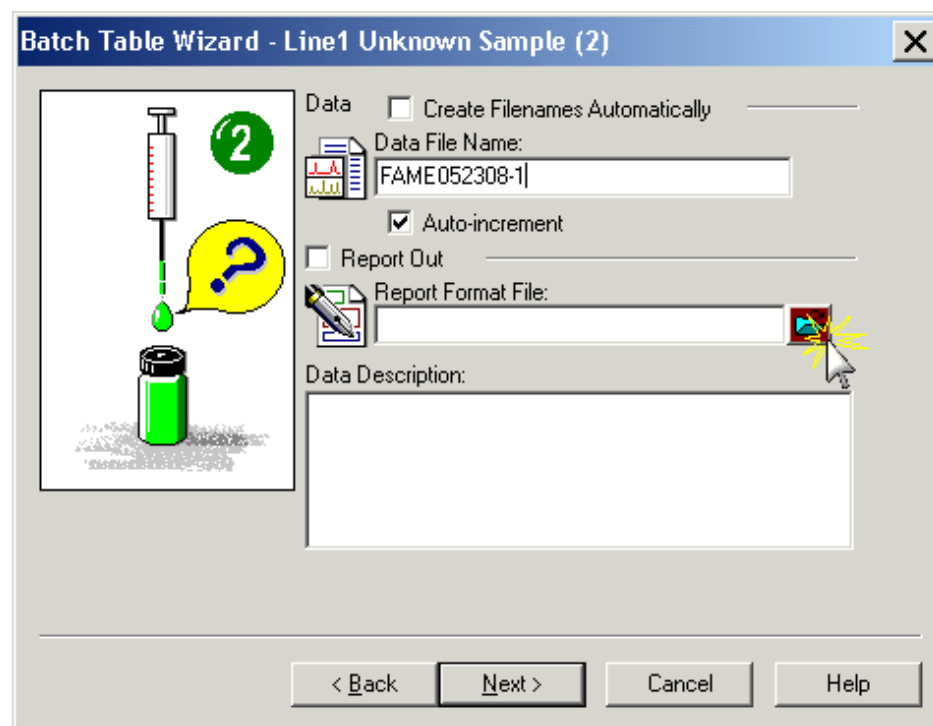
Batch Table Wizard

- In the 'Data File Name' box enter a file name prefix (a). Include a form of the date in the file name prefix to ensure unique file names. Add '-1' as a suffix at the end of the file name and ensure that the 'Auto-increment' box is checked.
- Adjacent to the 'Report Format File' box click on the file open icon.

(a)



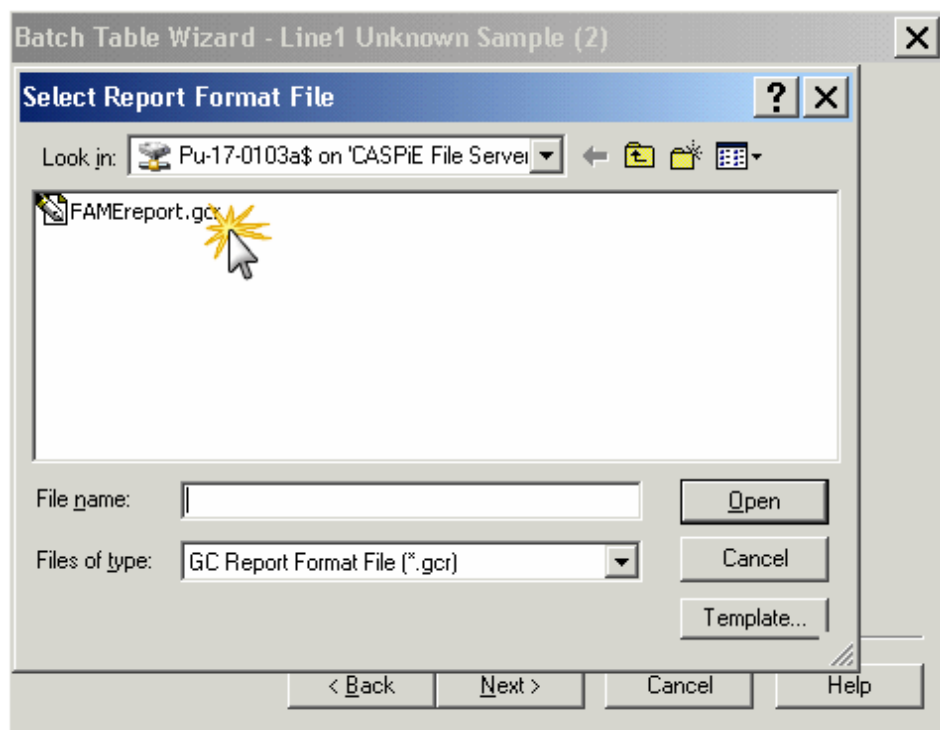
(b)



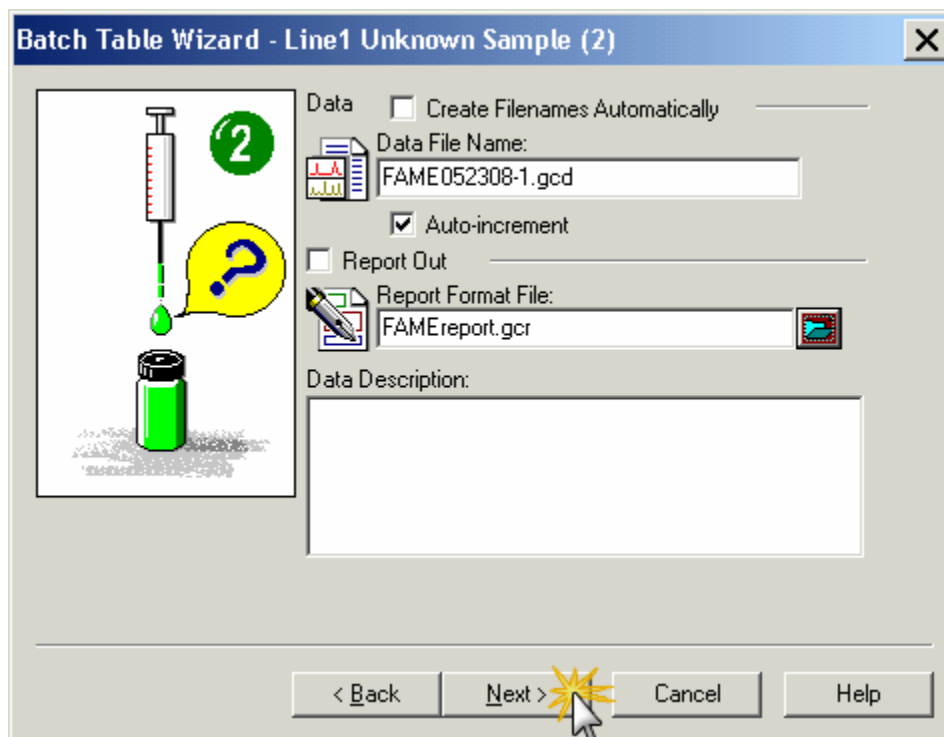
Batch Table Wizard

- In the 'Select Report Format File' window click on the FAMEreport.gcr file and click 'Open.' (a)
- Click 'Next' to continue. (b)

(a)



(b)

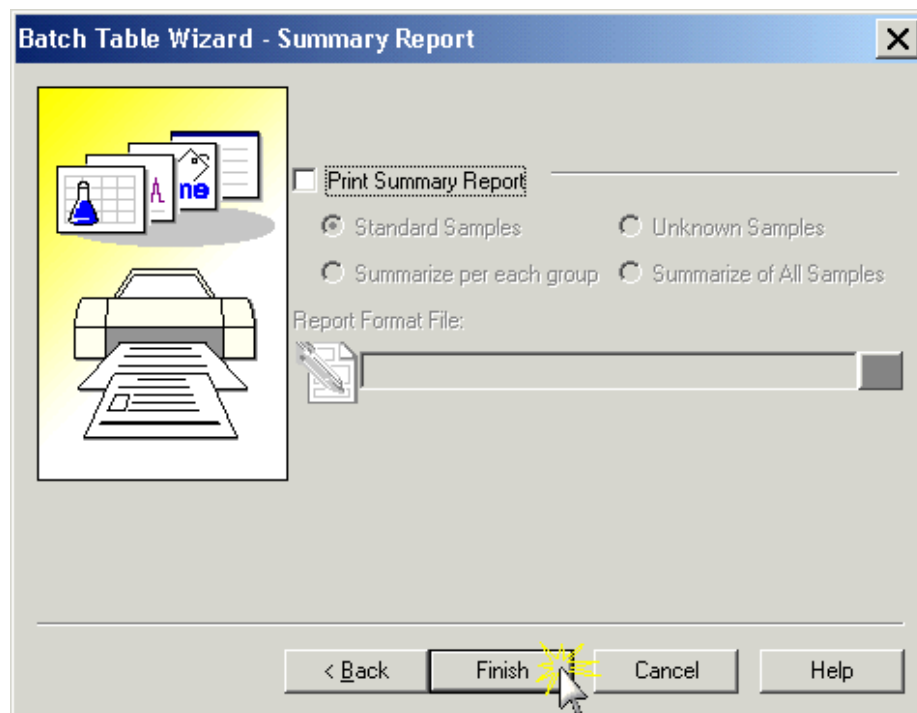


Batch Table



- Click 'Finish' to complete the table (a).
- The finished table will look similar to that shown below (b).

(a)



(b)

GC Real Time Analysis 1 (Offline - Student) - [Batch Table - Untitled]

File Edit View Instrument Batch Tools Window Help

Data Explorer - Batch

Project in : Z:\

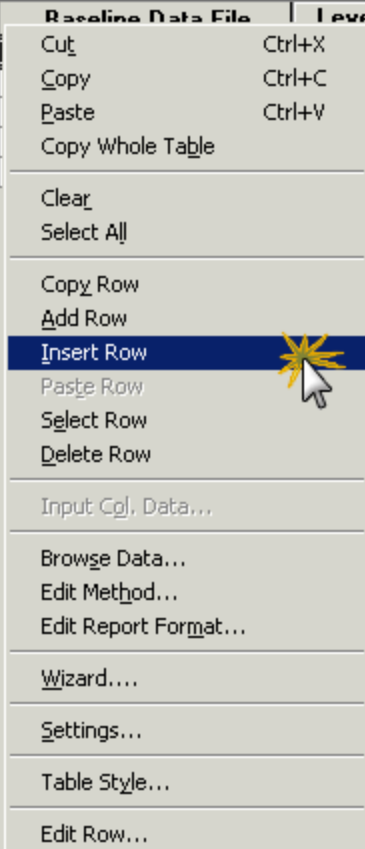
	Vial#	Sample Name	Sample ID	Sample Type	Method File	Data File
1	10	FAME Sample	FAME01	0:Unknown	FAME.gcm	FAME052308-1.gcd
2	11	FAME Sample	FAME02	0:Unknown	FAME.gcm	FAME052308-2.gcd
3	12	FAME Sample	FAME03	0:Unknown	FAME.gcm	FAME052308-3.gcd
4	13	FAME Sample	FAME04	0:Unknown	FAME.gcm	FAME052308-4.gcd
5	14	FAME Sample	FAME05	0:Unknown	FAME.gcm	FAME052308-5.gcd

Insert Row in Batch Table

- Now add a row to the batch table for the FAME standard that will be placed in position one.
- Right click on row 1 then select 'Insert Row.'

Folder: Z:\

	Vial#	Sample Name	Sample ID	Sample Type	Method File	Data File	Baseline Data File	Level#
1	10	FAME Sample	FAME01	0:Unknown	FAME.gcm	FAME052308-1.gcd		
2	11	FAME Sample	FAME02	0:Unknown	FAME.gcm	FAME052308-2.gcd		
3	12	FAME Sample	FAME03	0:Unknown	FAME.gcm	FAME052308-3.gcd		
4	13	FAME Sample	FAME04	0:Unknown	FAME.gcm	FAME052308-4.gcd		
5	14	FAME Sample	FAME05	0:Unknown	FAME.gcm	FAME052308-5.gcd		



Edit New Row

- Right click on the new row and select 'Edit Row'.

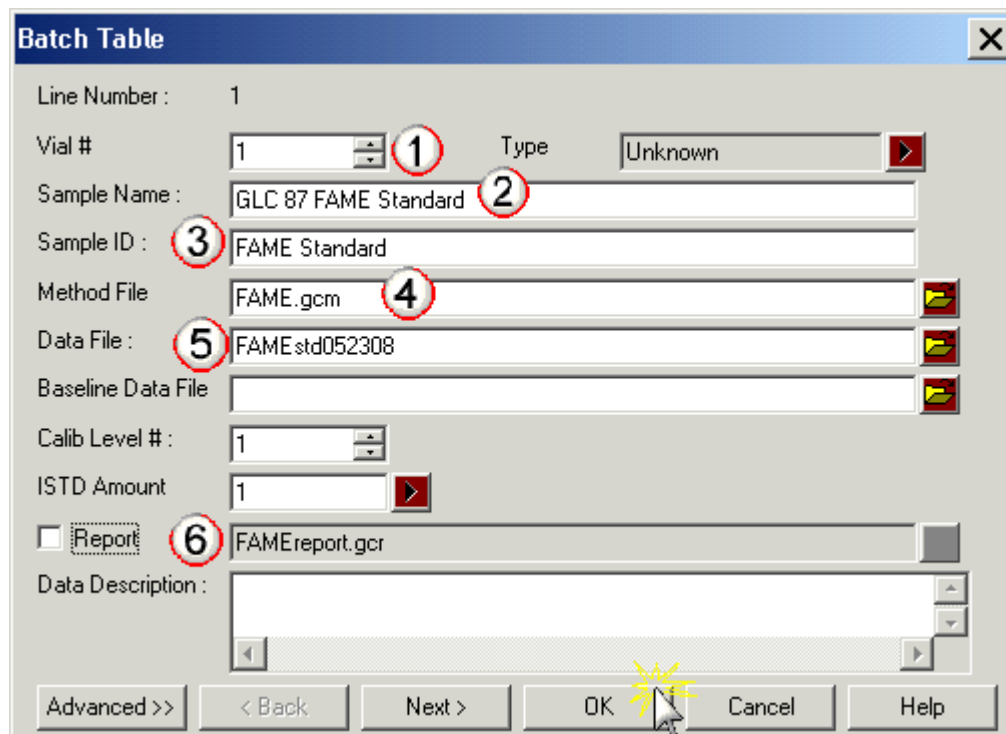
Folder: Z:\

	Vial#	Sample Name	Sample ID	Sample Type	Method File	Data File	Baseline Data File
1	1			0:Unknown			
2	10	FAME Sample	FAME01	0:Unknown	FAME.gcm	FAME052308-1	
3	11	FAME Sample	FAME02	0:Unknown	FAME.gcm	FAME052308-2	
4	12	FAME Sample	FAME03	0:Unknown	FAME.gcm	FAME052308-3	
5	13	FAME Sample	FAME04	0:Unknown	FAME.gcm	FAME052308-4	
6	14	FAME Sample	FAME05	0:Unknown	FAME.gcm	FAME052308-5	

- Cut Ctrl+X
- Copy Ctrl+C
- Paste Ctrl+V
- Copy Whole Table
- Clear
- Select All
- Copy Row
- Add Row
- Insert Row
- Paste Row
- Select Row
- Delete Row
- Input Cgl. Data...
- Browse Data...
- Edit Method...
- Edit Report Format...
- Wizard...
- Settings...
- Table Style...
- Edit Row...

Standard Sample Batch Table Row

- Make sure that the number '1' is in the 'Vial #' box (1).
- Enter 'GLC 87 FAME Standard' in the 'Sample Name' box (2).
- Enter 'FAME Standard' in the 'Sample ID' box (3).
- Click on the file open icon next to the 'Method File' box and select the 'FAME.gcm' file (4).
- Enter a file name for the standard in the 'Data File' box. Include a date in the file name to make it unique (5).
- Check the 'Report' box then open the report file 'FAMEreport.gcr'. Uncheck the 'Report' box when finished (6).
- Click 'OK' to complete the row.



The screenshot shows the 'Batch Table' dialog box with the following fields and actions highlighted by numbered callouts:

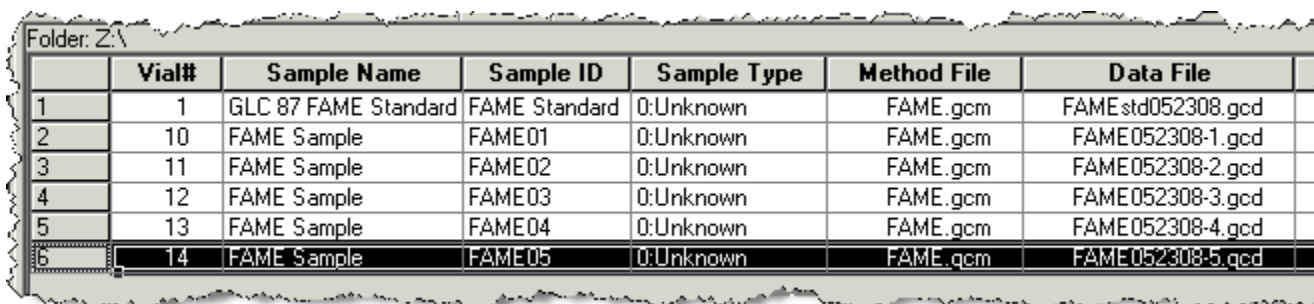
- 1: Vial # (value: 1)
- 2: Sample Name (value: GLC 87 FAME Standard)
- 3: Sample ID (value: FAME Standard)
- 4: Method File (value: FAME.gcm)
- 5: Data File (value: FAMEstd052308)
- 6: Report checkbox (checked) and Report file (value: FAMEreport.gcr)

Buttons at the bottom: Advanced >>, < Back, Next >, OK, Cancel, Help.

Save Batch File

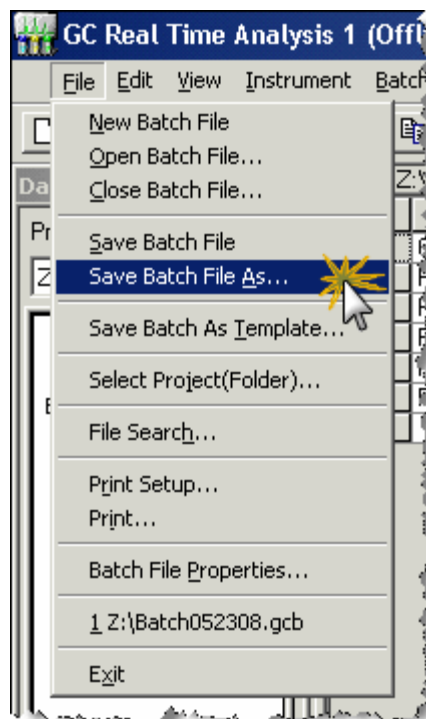
- Proofread the batch table and correct any errors. (a)
- Save the batch file by selecting 'Save Batch File As...' (b)
- Enter a batch file name that includes the date and click on 'Save'. (c)

(a)

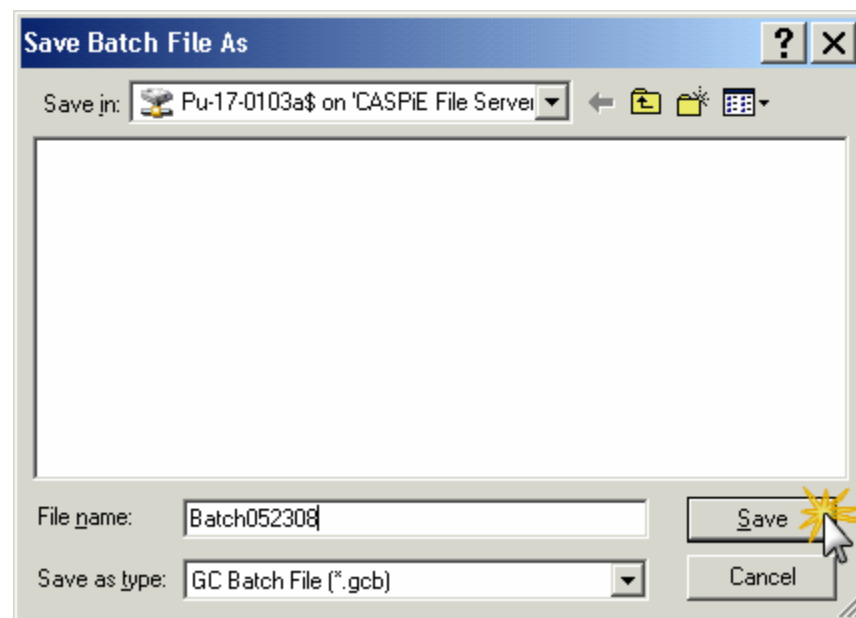


	Vial#	Sample Name	Sample ID	Sample Type	Method File	Data File
1	1	GLC 87 FAME Standard	FAME Standard	0:Unknown	FAME.gcm	FAMEstd052308.gcd
2	10	FAME Sample	FAME01	0:Unknown	FAME.gcm	FAME052308-1.gcd
3	11	FAME Sample	FAME02	0:Unknown	FAME.gcm	FAME052308-2.gcd
4	12	FAME Sample	FAME03	0:Unknown	FAME.gcm	FAME052308-3.gcd
5	13	FAME Sample	FAME04	0:Unknown	FAME.gcm	FAME052308-4.gcd
6	14	FAME Sample	FAME05	0:Unknown	FAME.gcm	FAME052308-5.gcd

(b)

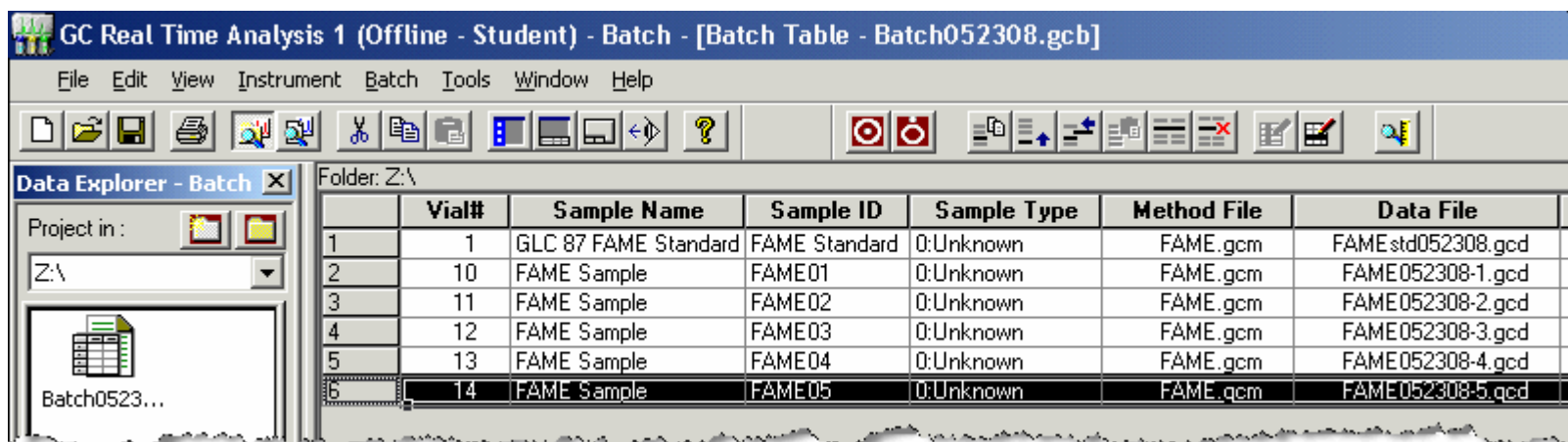


(c)



Exit Program

- After the batch is saved the file name will appear at the top of the window.
- When you are ready to remotely control the GC you will retrieve your batch file and initiate a 'batch run' to collect data for your samples.
- Instructions for running the GC are given in another tutorial.
- You are now finished; exit the program.



GC Real Time Analysis 1 (Offline - Student) - Batch - [Batch Table - Batch052308.gcb]

File Edit View Instrument Batch Tools Window Help

Data Explorer - Batch

Folder: Z:\

	Vial#	Sample Name	Sample ID	Sample Type	Method File	Data File
1	1	GLC 87 FAME Standard	FAME Standard	0:Unknown	FAME.gcm	FAMEstd052308.gcd
2	10	FAME Sample	FAME01	0:Unknown	FAME.gcm	FAME052308-1.gcd
3	11	FAME Sample	FAME02	0:Unknown	FAME.gcm	FAME052308-2.gcd
4	12	FAME Sample	FAME03	0:Unknown	FAME.gcm	FAME052308-3.gcd
5	13	FAME Sample	FAME04	0:Unknown	FAME.gcm	FAME052308-4.gcd
6	14	FAME Sample	FAME05	0:Unknown	FAME.gcm	FAME052308-5.gcd