



# Millennium<sup>32</sup>

## Training

# Reporting



## Reports

### ➤ Individual reports

- ❑ Basic Chromatogram and Peak Report
- ❑ Modify Chromatogram\*\*
- ❑ Make a Chromatogram in a Chromatogram\*\*
- ❑ Modify Peak Report
- ❑ Modify a calibration report and setup a filter\*\*
- ❑ Modify a Header & add an icon
- ❑ Preview the Report\*\*

### ➤ Summary Reports

- ❑ Modify Peak report to add statistics
- ❑ Change the peak report to group by \*\*
- ❑ Save the Report as a PDF\*\*
- ❑ Send the report to your email address

\*\* Exercise to be Done

1. Highlight one (for individual) or several (for summary) results and select Preview/Publisher

2. Select "Use the currently open report Method named Untitled"

This will create a blank page to create a new report

Sample Name	Injection	Sample Type	Processed Channel Descr.	Date Acquired	Date Processed	Processing Method	
LFA-Bar005	62	2	Unknown	214 Extract	00:13 AM	08/02/01 @ 15:43 PM	Default
LFA-Bar005	61	2	Unknown	214 Extract	04:50 PM	08/02/01 @ 15:42 PM	Default
LFA-Bar005	62	1	Unknown	214 Extract	08:10 PM	08/02/01 @ 15:42 PM	Default
LFA-Bar005	61	1	Unknown	214 Extract	03:56 PM	08/02/01 @ 15:41 PM	Default
LFA-Bar004	60	2	Unknown	214 Extract	09:34 PM	08/02/01 @ 15:40 PM	Default
LFA-Bar004	60	1	Unknown	214 Extract	09:41 PM	08/02/01 @ 15:39 PM	Default
LFA-Bar005	62	2	Unknown	214 Extract	04:15 PM	08/02/01 @ 15:38 PM	Default
LFA-Bar005	61	2	Unknown	214 Extract	05:55 PM	08/02/01 @ 15:37 PM	Default
LFA-Bar005	59	1	Unknown	214 Extract	03:19 PM	08/02/01 @ 15:37 PM	Default
LFA-Bar005	57	2	Unknown	214 Extract	03:34 PM	08/02/01 @ 15:36 PM	Default
LFA-Bar002	58	1	Unknown	214 Extract	03:01 PM	08/02/01 @ 15:36 PM	Default
Std-Bar008	56	2	Standard	214 Extract	03:13 PM	08/02/01 @ 15:35 PM	Default
Std-Bar007	55	1	Standard	214 Extract	02:49 PM	08/02/01 @ 15:34 PM	Default
Std-Bar008	56	1	Standard	214 Extract	07:20 PM	08/02/01 @ 15:34 PM	Default
Std-Bar008	54	2	Standard	214 Extract	07:35 PM	08/02/01 @ 15:33 PM	Default
Std-Bar007	55	1	Standard	214 Extract	1:56 PM	08/02/01 @ 15:33 PM	Default
Std-Bar006	54	1	Standard	214 Extract	04:02 PM	08/02/01 @ 15:32 PM	Default
Std-Bar005	53	1	Standard	214 Extract	01:19 PM	08/02/01 @ 15:31 PM	Default
Std-Bar005	53	2	Standard	214 Extract	2:10 PM	08/02/01 @ 15:31 PM	Default
Std-Bar004	52	1	Standard	214 Extract	05:56 PM	08/02/01 @ 15:30 PM	Default

Open Report Method dialog box options:

- Use the Report Method in the acquisition Method Set Barbars
- Use the Report Method named Default
- Use a Report Method that was generated to be appropriate for the selected data
- Use the following Report Method: [Method\_untitled]
- Use the currently open Report Method named Untitled

## Use the Report Method Wizard to Create a Basic Report

1.

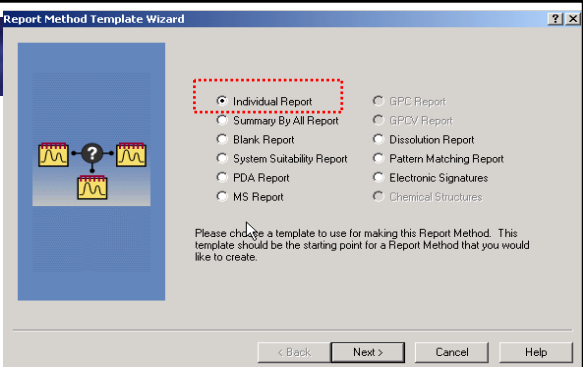
2.

New Method/Group dialog box options:

- Create a new Report Method
- Create a new Report Group
- Use Report Method/Group Wizard?

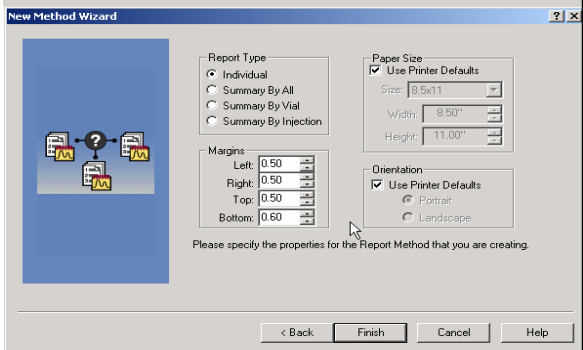


1. Select the desired Report Type (individual for this exercise)

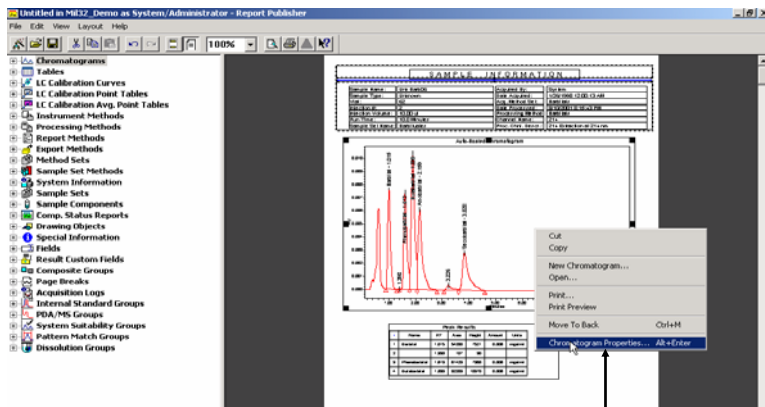


2. Select the Margins and Paper Size/Orientation

(Use Printer defaults will come from the Print Setup in Windows)

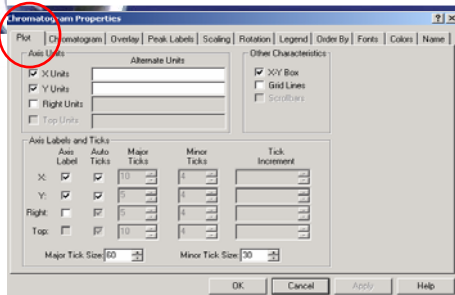


The report will be displayed as selected from the wizard

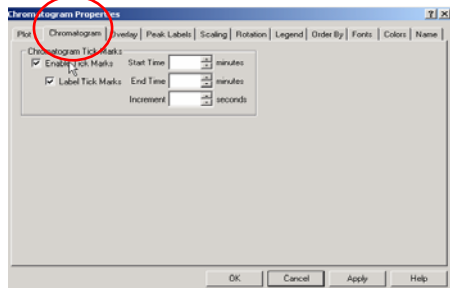


➤ Right Click on the Report and select "Chromatogram Properties to modify the chromatogram display

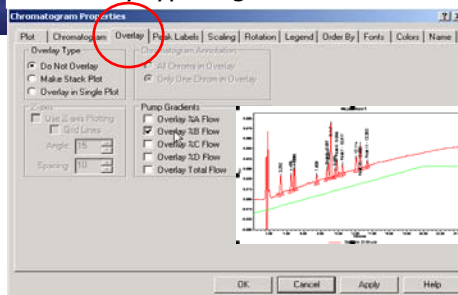
## 1. Set the X – Y labels preferences



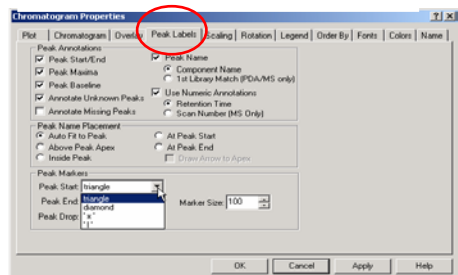
## 2. Tick Marks & labels




## 3. Overlay type - gradient curve



## 4. Peak Annotations and Labels





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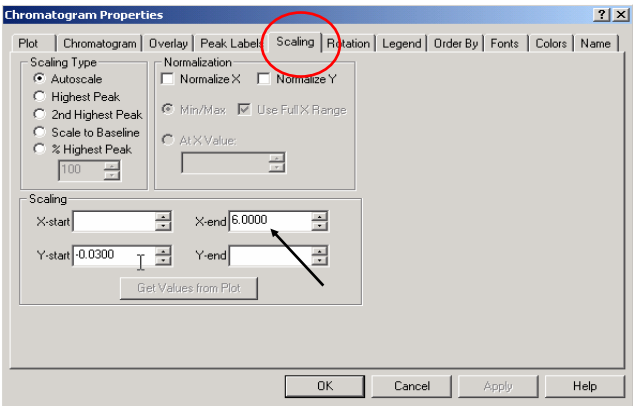
# Scaling

**Normalization** - display of data along the x or y axis at 100 percent of the full data range.

**Scaling** - enter different x (time) and y (Height) coordinates.

An **X-start** time of 0 minutes is entered and an **X-end** time of 6 minutes is entered.

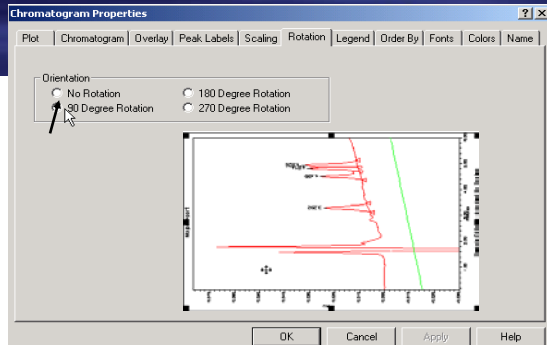
Click **Apply** to apply the change to the Chromatogram Properties window is still open.





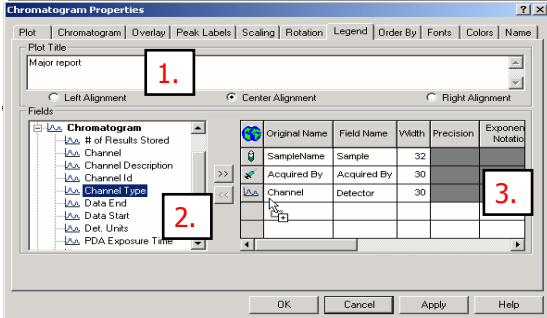
# Plot Rotation

Changes the orientation display of the chromatogram (not the full report).



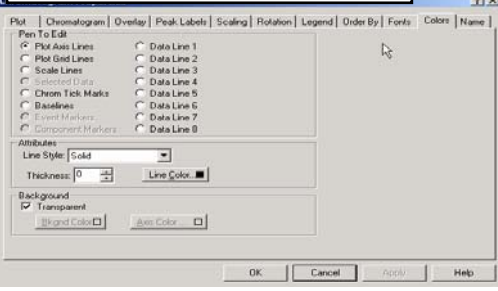
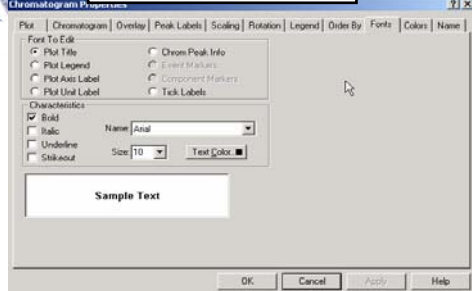
# Legend

- 1. Plot Title - Displays a title directly above the plot
- 2. Fields List – select from the list what fields to include with the chromatogram plot
- 3. Table - Identifies the fields selected for inclusion in the plot legend.



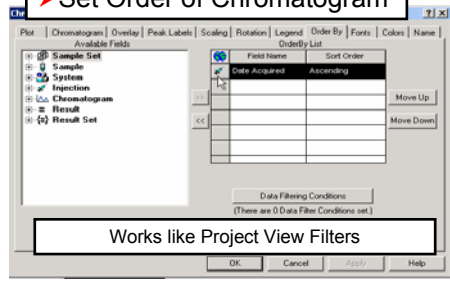
# ➤ Set Fonts and Size

# ➤ Set Colors and Line Thickness



# ➤ Set Order of Chromatogram

➤ Order By is for Summary and multiple chromatogram



➤ Will be covered in summary reports

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Untitled in Mill32\_Demo as System/Administrator - Report Publisher

File Edit View Layout Help

100%

**Chromatograms**

- Auto Scaled Chromatogram
- Auto Scaled with Legend
- Chromatogram w Gradient
- GPC Std Overlay
- Landscape Chromatogram
- My Chromatogram
- Normalized Chromatograms
- Overlay Chrom w Basic Legend
- Overlay Chromatogram
- Stacked Chromatograms

**Tables**

- LC Calibration Curves
- LC Calibration Point Tables
- LC Calibration Avg. Point Tables

**Instrument Methods**

**Processing Methods**

**Report Methods**

**Export Methods**

**Method Sets**

**Sample Set Methods**

**System Information**

**Sample Sets**

**Sample Components**

**Comp. Status Reports**

**Drawing Objects**

**Special Information**

**Fields**

**Result Custom Fields**

**Composite Groups**

**Page Breaks**

**Acquisition Logs**

**Internal Standard Groups**

**PDA/MS Groups**

**System Suitability Groups**

**Pattern Match Groups**

**Dissolution Groups**

**SAMPLE INFORMATION**

Sample Name:	01.Buc	Created By:	Sys Admin
Sample Type:	Unknown	Date Acquired:	12/10/2001 2:26:31 PM
Unit:	1	Lab. Method Set:	Fastfire_00
Method:	1	Lab. Method:	Fastfire_00
Injection Volume:	10 µl	Processing Method:	Fastfire_00
GC Type:	GC 1100	Printer:	HP LaserJet 4050
Sample Size Label:	Fastfire_00	Printer Name:	HP
		Proc. Dir. Root:	F:\A 214\Dir

**Chromatogram Properties**

Plot Chromatogram Overlay Peak Labels Scaling Rotation Legend Order By Fonts Colors Name

Group Name

My Chromatogram

Save Group To Project

1. Save the Group to Project
2. Now displayed as a Chromatogram Group for future selection

OK Cancel Apply Help

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## Method Properties

1. Select the Processing method from the report tree, and add it to the list – edit the processing method report selection by using Processing Method properties.

Untitled in December\_Processing as System/Administrator - Report Publisher

File Edit View Layout Help

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**Chromatograms**

**Tables**

- LC Calibration Curves
- LC Calibration Point Tables
- LC Calibration Avg. Point Tables

**Instrument Methods**

**Processing Methods**

- Component Information
- Integration Information
- Processing Method Group

**Report Methods**

**Export Methods**

**Method Sets**

**Method Set Group**

**System Information**

**Sample Components**

**Sample Sets**

**Comp. Status Reports**

**Drawing Objects**

**Special Information**

**Fields**

**Result Custom Fields**

**Composite Groups**

**Page Breaks**

**Acquisition Logs**

**System Suitability Groups**

**Structure Groups**

**Peak Results**

#	Name	RT	Area	Height	Abund	Unit
1	Peak1	0.710	101120	2000		
2	Peak2	0.240	302000	11147	399.000	µg/L
3	Peak3	1.400	27000	3000		
4	Peak4	1.070	40000	4000	400.000	µg/L

**Processing Method: IS**

Type: LC Showed: 12/10/2001 1:20:41 PM

**Method Information**

Created By: [User]  
Modified User: [User]

Processing Method Properties... Alt+Enter

Display Properties for the selected annotation object. Project: December\_Processing [Individual] P1: 3.42Z S1: 9.00P



Use the Method Properties to select what attributes to include in the Method Report, version history and method differences

Processing Method Properties

Processing Method | Order By | Fonts | Colors | Name

Items to Include in the Report

- Method Information
- Event Table
- Component Table
- Group Tables
- Default Value Tables
- System Suitability Limits Tables
- Pattern Match Parameters
- Detector Noise and Drift

Method Revision Information:

- Revision History Details
- Revision Summary Information
- Differences from Previous Version
  - Print Differences Only
  - Print Entire Methods

OK Cancel Apply Help

Revision History

Version 1 12/11/2001 4:17:30 PM User System Method (Bwilson\December\_Processing : 2829) copied into project. (from Full Audit Trail project)

Version 1 12/10/2001 1:20:41 PM User System Created method 'IS'

Method Version Summaries

Name	Type	Comments	Date	Modified User	Locked	Method Id	Method Version
1 IS	Processing		12/11/2001 4:17:30 PM	System	No	1070	1

Method Differences

This method is at the first version.  
Therefore, no difference report will be generated.



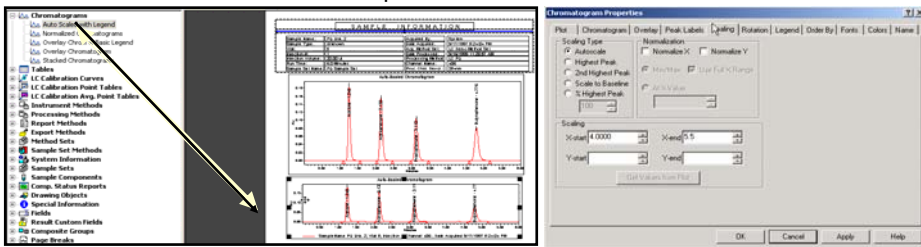
## Report Method Tips

- To show the gradient table, you must select the complete Instrument Report and not the short report
- Make sure the peaks table and box is wide enough so the table will not word wrap
- Use the Properties of each type of group to specify what will be displayed in the report



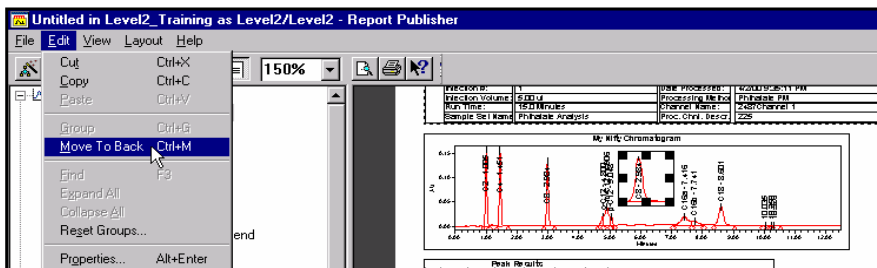
## Creating a Chromatogram within a Chromatogram

- 1) Click on **Chromatograms** in the report group tree.
- 2) Double-click on **Auto Scaled Chromatogram** to add another chromatogram plot to the report page
- 3) Select the new chromatogram group, **right-click** and select **Properties**. Adjust the following:
  - a) Scaling - **X-start** and **X-end** times.
  - b) Select **Legend** & delete the plot title & Plot characteristics
- 4) Select **OK** button to return to the Report Publisher window.



## Creating a Chromatogram within a Chromatogram

- 5) Resize the modified chromatogram to fit within a section of the first chromatogram box.
- 6) Move the modified chromatogram inside the first chromatogram box.
- 7) Reposition the small chromatogram within the larger one, if necessary, by selecting **Edit...Move to Back**.

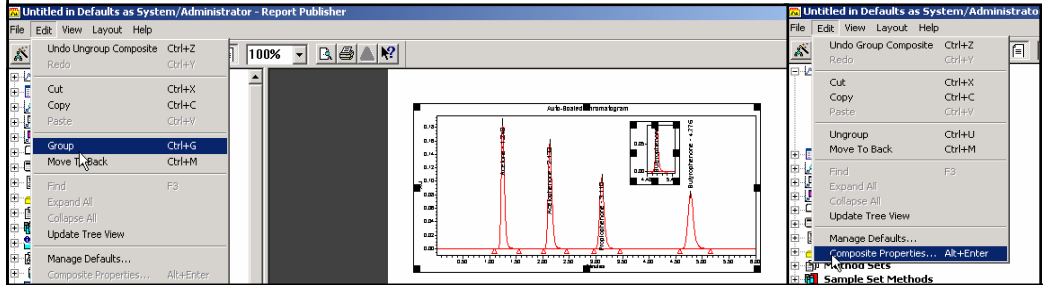




## Creating a Chromatogram within a Chromatogram

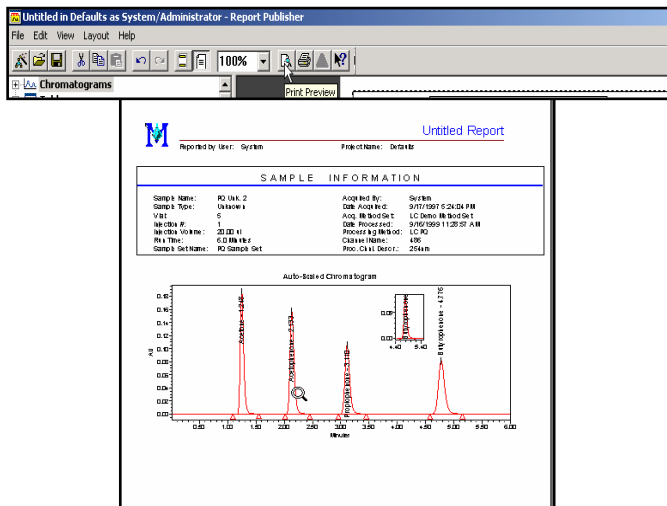
Create a Composite Groups (groups “glued” together):

8. Draw a box around both of the chromatograms - Select **Edit...Group**.
9. The composite chromatogram group is surrounded by dashed lines
10. Right-click inside the composite group and select **Edit -Properties**.
11. Select the **Name** tab & enter a name. Enter **Chromat in Chromat**.
12. Click on the **Save Group to Database & OK**



## Creating a Chromatogram within a Chromatogram

13. Use **Print Preview** to view the Chromatogram in a Chromatogram Group

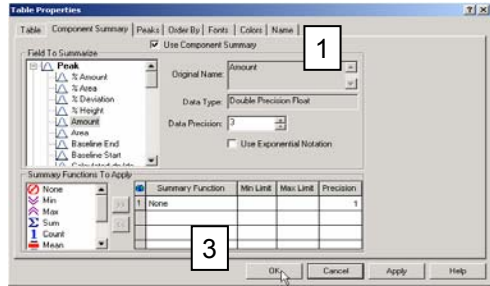




## Edit a Peaks Table – Component Summary

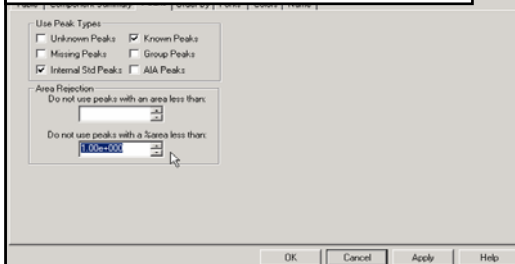
Component Summary's will show a compounds data for one peak result in a row (ex. amount). Used more for Summary Reports.

- Select Use Component Summary
- Select **Ok** to understand that all other peak column fields will be deleted except for Amount
- Select **Ok** to see the table results in the Publisher
- The Peak Results will be displayed for Amount in row

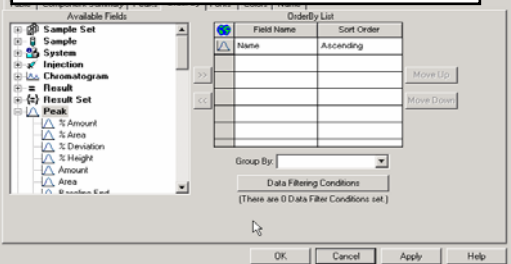


Peak Results				
Component Summary For Amount				
SampleName	Acetone	Acetophenone	Propiophenone	Butyrophenone
PQ Unk. 3	3755.853	10.002	10.006	10.013

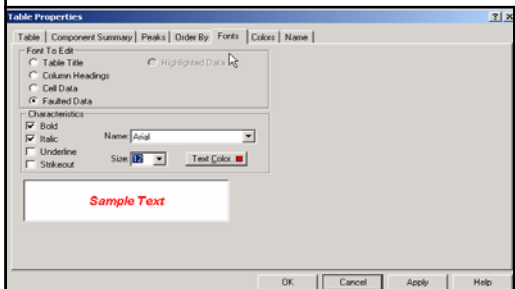
1. Select Peaks types to Known Peaks and Internal Standards



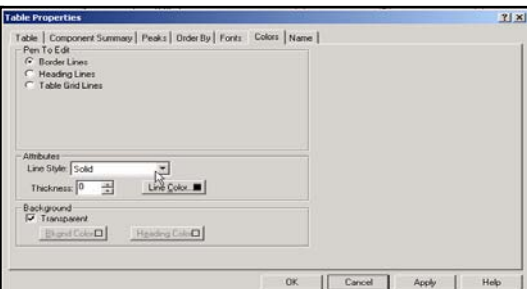
2. Change the Order by to Name (Peak Name)



3. Change the Font to Arial 12



4. Keep the colors at the default





# Data Filter

Data Filter is a way to eliminate or include a specific peak/field/value from the peaks table

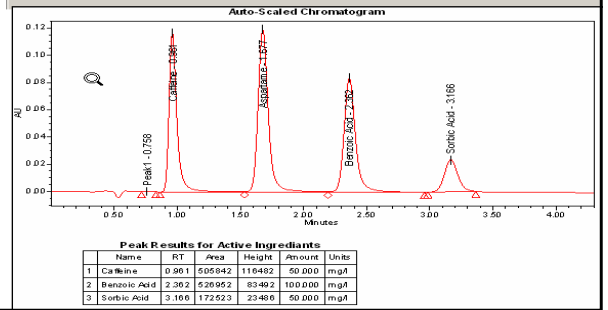
To eliminate the Internal Standard (Aspartame) and peaks with no amounts :

1. Double click on **Peak** in the Available Fields list, and select **Name**
2. Click and drag **Name** to the Column Name in the condition list
3. Click on **Condition One** and select **Not Equals**, then enter **Aspartame** and **Ok**



# Data Filter (2)

4. Repeat this with Amount, and a data condition of not equal to 0.
5. Select Ok to exit from the Data Filter Conditions and Ok again to exit the Table Properties
6. The Table will be displayed in the Publisher
7. Click on the Print Preview button to view the Peaks table report



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- Save the Edited Peaks Table as a Group by selecting name, entering a Group Name and clicking "Save Group to Project".
- Preview the edited peak results table in the Publisher, viewing the modified columns and entries displayed.
- This Table Peak Results group will be displayed in the Tree view under Tables.

Peak Results					
	Name	RT	Area	Height	ugs/ml
1	Acetone	1.248	791152	186960	3755.853
2	Acetophenone	2.131	779235	156581	10.002
3	Butyrophenone	4.768	630779	81062	10.013

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## Add a Calibration Curve to the Report

Peak Results					
	Name	RT	Area	Height	ugs/ml
1	Acetone	1.248	791152	186960	3755.853
2	Acetophenone	2.131	779235	156581	10.002

- Click and drag the Calibration Plot to the Report page



To Modify what is displayed in the calibration plot :

1. Right-click on the Plot to edit the calibration Properties
2. Select Legend and delete A, B, C, and D from the Fields list
3. Change the Order by List to Add Time by Ascending
4. Click Data Filtering Conditions

The screenshot shows the 'LC Calibration Plot Properties' dialog box. The 'Fields' section contains a table with the following data:

Original Name	Field Name	Width	Precis
Name	Name:	30	
Processing Method	Processing Method:	71	
Fit Type	Fit Type:	22	
Cal Curve Id	Cal Curve Id:	14	
R <sup>2</sup>	R <sup>2</sup> :	8	

The 'OrderBy List' section shows a table with the following data:

Field Name	Sort Order
Time	Ascending

The 'Data Filtering Conditions' section shows a button labeled 'Data Filtering Conditions' with the text '(There are 0 Data Filter Conditions set.)' below it.



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## Data Filter

Data Filter is a way to eliminate or include a specific compound from the calibration plot

To eliminate the Internal Standard (Acetone) :

1. Double click on **Calibration Curve** in the Available Fields list, and select **Name**
2. Click and drag **Name** to the Column Name in the condition list
3. Click on **Condition One** and select **Not Equals**, then enter **Acetone** and **Ok**

The screenshot shows the 'Data Filter Conditions' dialog box. The 'Available Fields' list on the left contains the following items:

- Sample Set
- System
- Calibration
- Calibration Curve
- A
- B
- Bounded Slope
- Cal Curve Id
- Calibration Code
- Curve alpha
- Curve K
- D
- Data Origin
- E
- Equation
- F
- Fit Type
- MG
- Name
- Order

The 'Data Filter Conditions' table on the right has the following data:

Column Name	Condition 1	or	Condition 2	or	Condition 3	or
Name						

The 'Create a Condition' dialog box is open, showing the following data:

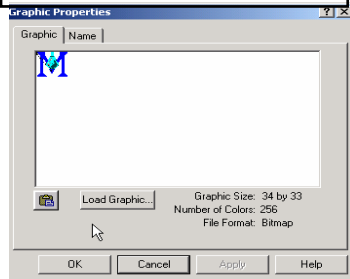
Where:	Name
Not Equals	Acetone



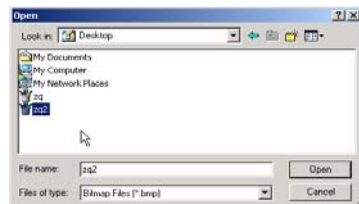


## Edit a Header – Changing a Graphic

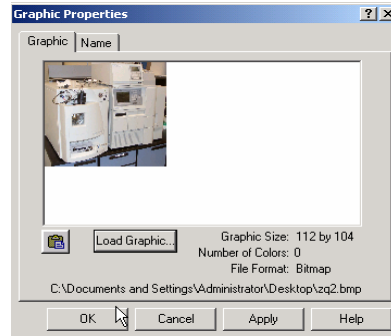
3. Select Load Graphic



4. Select the desired bmp/ eps file

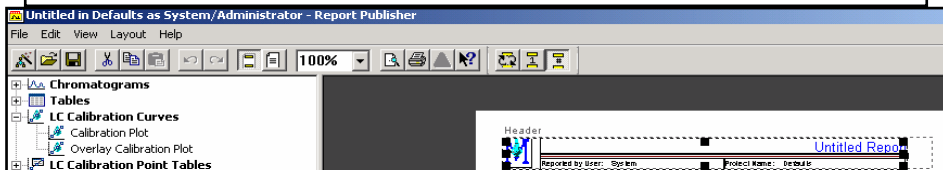


5. Select Ok to Finish

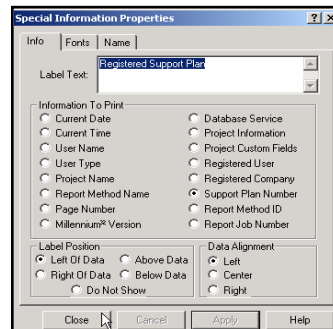


## Edit a Header – Special Information

6. The Header will be displayed. Double click on “Reported by User” and change it to the “support plan number”



7. The Special Information Properties will be displayed. Select **Support Plan Number** from the list and click Close.





# Edit a Header – Viewing the Changes

8. Use Print/Preview to view the edited Header



9. This displays the edited Report Header with the new icon

Registered Support Plan M6NMI2345 Project Name: Defaults

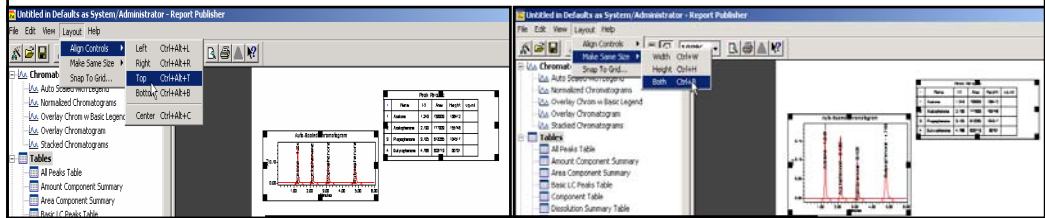
**SAMPLE INFORMATION**

Sample Name:	PQ Unk. 4	Acquired By:	System
Sample Type:	Unknown	Date Acquired:	5/17/1997 5:37:56 PM
Vial:	7	Acq. Method Set:	LC Demo Method Set
Injection #:	1	Date Processed:	8/13/2001 7:24:41 AM
Injection Volume:	20.00 ul	Processing Method:	LC PQ1_IS
Run Time:	6.0 Minutes	Channel Name:	486
Sample Set Name:	PQ Sample Set	Proc. Chnl. Descr.:	254nm

Auto-Scaled Chromatogram



# Use the Layout – Align Control and Make Same Size to design the Report



Aligned Report displayed in preview

Registered Support Plan M6NMI2345 Project Name: Defaults

**Auto-Scaled Chromatogram**

**Peak Results**

	Name	RT	Area	Height	ug/ml
1	Acetone	1.249	788009	186412	
2	Acetophenone	2.130	777003	155746	
3	Propiophenone	3.105	618265	104517	
4	Butyrophenone	4.766	628713	80701	



## Summary Reports – 2 Styles

A single Report that includes the chromatogram and the report for each injection, the next chromatogram and report

- Group a chromatogram and a peak table together to a composite group
- Set the Chromatogram, table and composite Group by to

➤ A single report of summary data for all injections in one table and chromatograms

- Summary Statistics for the individual components



## *Important Terms and Concepts*

- Composite Groups
- Individual Report Method
- Report Group
- Summary Report Method



# Summary Report

Collect a few Results together

GEMFIBROZIL as System/Administrator - Project

SampleName	Vial	Injection	Sample Type	Processed Channel Descr.	Date Acquired	Date Processed	Processing Method
248908804-1 Initial	33	1	Unknown	276 nm	22/06/2004 16:15:31	23/06/2004 10:13:56	GEM_STB_ASSAY
248908804-1 Initial	32	1	Unknown	276 nm	22/06/2004 15:59:01	23/06/2004 10:13:55	GEM_STB_ASSAY
248908804-1 Initial	31	1	Unknown	276 nm	22/06/2004 15:42:29	23/06/2004 10:13:53	GEM_STB_ASSAY
STD 2 ASS	30	3	Standard	276 nm	22/06/2004 15:25:57	23/06/2004 10:12:01	GEM_STB_ASSAY
STD 2 ASS	30	2	Standard	276 nm	22/06/2004 15:09:30	23/06/2004 10:12:00	GEM_STB_ASSAY
STD 2 ASS	30	1	Standard	276 nm	22/06/2004 14:53:04	23/06/2004 10:11:59	GEM_STB_ASSAY
STD 1 ASS	29	3	Standard	276 nm	22/06/2004 14:36:34	23/06/2004 10:11:58	GEM_STB_ASSAY
STD 1 ASS	29	1	Standard	276 nm	22/06/2004 14:03:27	23/06/2004 10:11:57	GEM_STB_ASSAY
STD 1 ASS	29	2	Standard	276 nm	22/06/2004 14:20:08	23/06/2004 10:11:57	GEM_STB_ASSAY
SST	1	1	Unknown	276 nm	22/06/2004 12:17:32	23/06/2004 10:01:24	GEM_STB_SST

For Help, press F1 | 737 Selected



# Summary Report

GEMFIBROZIL as System/Administrator - Report Publisher

100%

**Open Report Method**

Please select the Report Method that you would like to use to preview the data that you have selected:

- Use the Report Method in the acquisition Method Set GEM\_STB\_401042.
- Use the Report Method named Default.
- Use a Report Method that was generated to be appropriate for the selected data.
- Use the following Report Method: **Component Summary**
- Use the currently open Report Method named Untitled.

OK Cancel Help

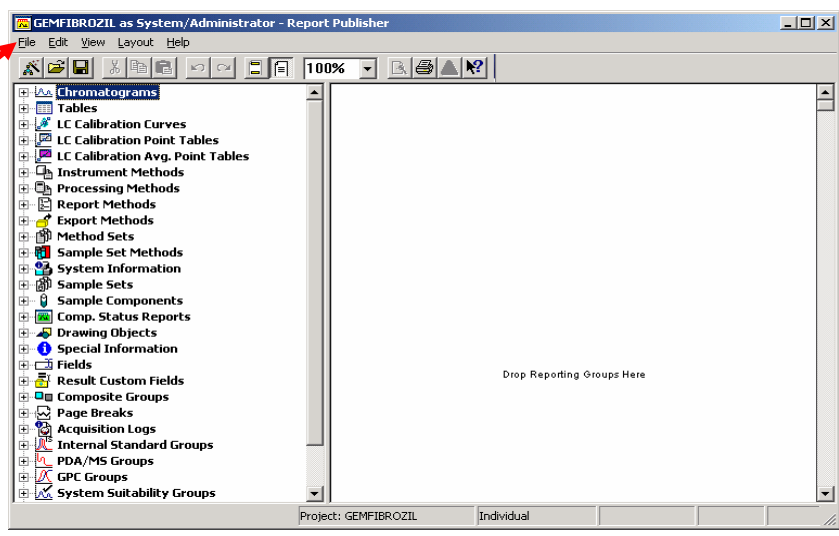
Project: GEMFIBROZIL Individual



# Summary Report

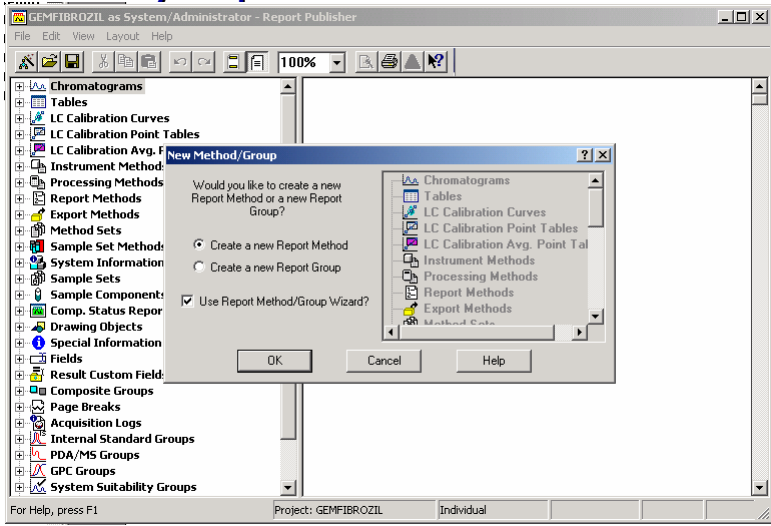
# The Report Wizard

Click



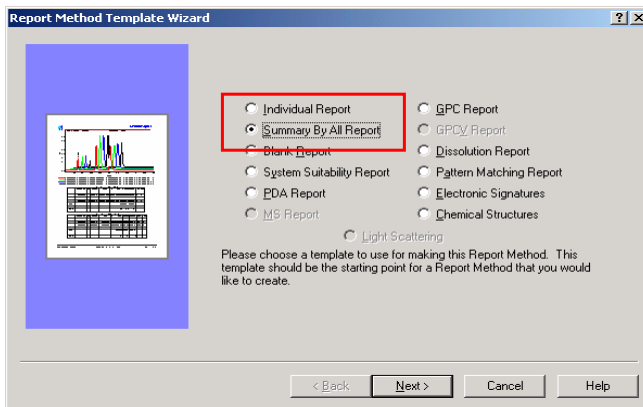
# Summary Report

# The Report Wizard

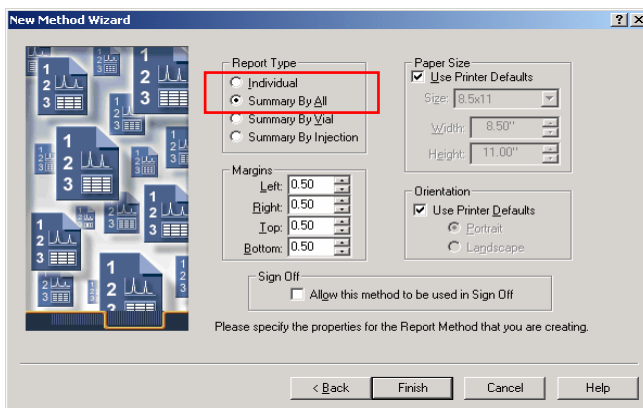




## Summary Report

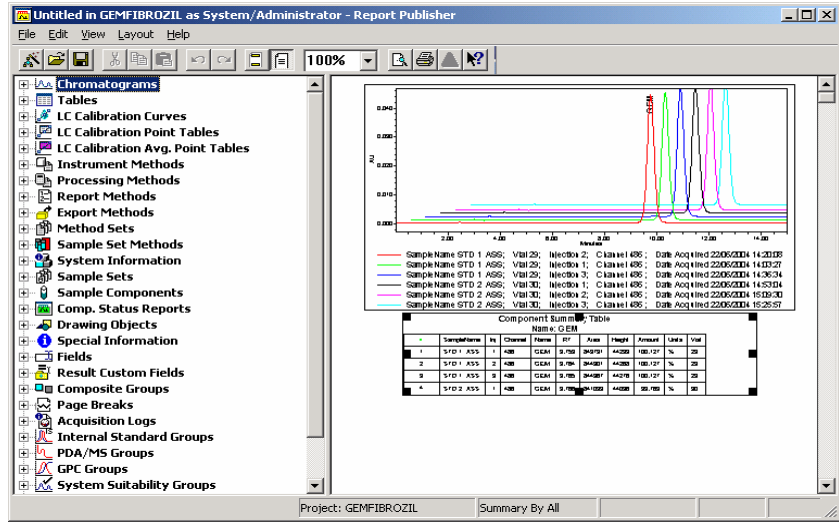


## Summary Report





# Summary Report



# Summary Report

## Overlay Options

**Chromatogram Properties**

Order By: Plot | Chromatogram

Fonts: Structures | Overlay

Colors: Peak Labels | Scaling | Rotation | Legend

Name

Overlay Type

- Do Not Overlay
- Make Stack Plot
- Overlay in Single Plot

Z-axis

- Use Z-axis Plotting

Angle: 15

Spacing: 10

Chromatogram Annotation

- All Chroms in Overlay
- Only One Chrom in Overlay

Pump Gradients

- Overlay %A Flow
- Overlay %B Flow
- Overlay %C Flow
- Overlay %D Flow
- Overlay Total Flow

Buttons: OK, Cancel, Apply, Help



# Summary Report

Unlabeled in GEMFBR021L as System/Administrator - Report Publisher

Chromatogram showing a single sharp peak at approximately 10.00 minutes. The y-axis is labeled 'AU' and ranges from 0.000 to 0.040. The x-axis is labeled 'Minutes' and ranges from 2.00 to 14.00.

Legend for Chromatogram:

- SampleName STD 1 ASS, Vial 29, Injection 2, Channel 406, Date Acquired 22/06/2004 14:20:08
- SampleName STD 1 ASS, Vial 29, Injection 1, Channel 406, Date Acquired 22/06/2004 14:03:27
- SampleName STD 1 ASS, Vial 29, Injection 3, Channel 406, Date Acquired 22/06/2004 14:36:34
- SampleName STD 2 ASS, Vial 30, Injection 1, Channel 406, Date Acquired 22/06/2004 14:53:04
- SampleName STD 2 ASS, Vial 30, Injection 2, Channel 406, Date Acquired 22/06/2004 15:09:30
- SampleName STD 2 ASS, Vial 30, Injection 3, Channel 406, Date Acquired 22/06/2004 15:25:57

Component Summary Table:

SampleName	Vial	Channel	Name	RT	Area	Height	Amount	Unit	Val		
1	STD 1 ASS	1	406	GEM	9.759	942791	44202	100.127	%	29	
2	STD 1 ASS	2	406	GEM	9.704	944001	44288	100.127	%	29	
3	STD 1 ASS	3	406	GEM	9.705	944697	44278	100.127	%	29	
4	STD 2 ASS	1	406	GEM	9.766	941099	44299	99.760	%	30	
5	STD 2 ASS	2	406	GEM	9.757	940058	44056	99.760	%	30	
6	STD 2 ASS	3	406	GEM	9.770	920111	43973	99.760	%	30	
Mean									942573	44152	99.2493
Std. Dev.									2251	124	0.186

Summary Functions



# Summary Report

Table Properties

Table | Component Summary | Peaks | Order By | Fonts | Colors | Name

Available Fields

- Sample Set
- Sample
- System
- Injection
- Chromatogram
- Result
- Result Set
- Peak
- PDA Peak
- GPC Peak
- Sys. Suit. Peak
- Calibration
- Methods
- Libraries
- UV Spectra

OrderBy List

Field Name	Sort Order
Channel	Ascending
Name	Ascending
Vial	Ascending
Injection	Ascending

Group By: Name

Data Filtering Conditions  
(There are 0 Data Filter Conditions set.)

OK Cancel Apply Help



# Editing Method Properties

1. Right Click in the Publisher to access the method Properties

2. Modify Method Properties to Summary By All and select OK



# Group the Chromatogram & Table

1. Highlight both the table and chromatogram and select Edit – Group
2. Select in between the Chromatogram and Group and select Composite Properties
3. Select Name and enter in a Group Name and save to project as a Composite Group

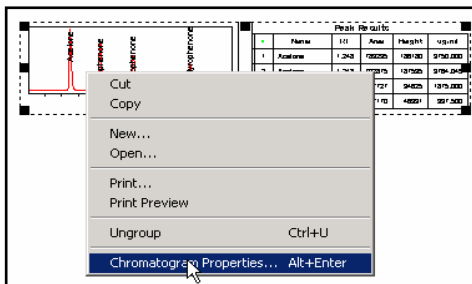
This will be displayed in the composite group tree



## Making a Multi -Chromatogram/Report Summary

1. Right Click and select Chromatogram Properties

2. Add the fields and names to include in the chromatogram display

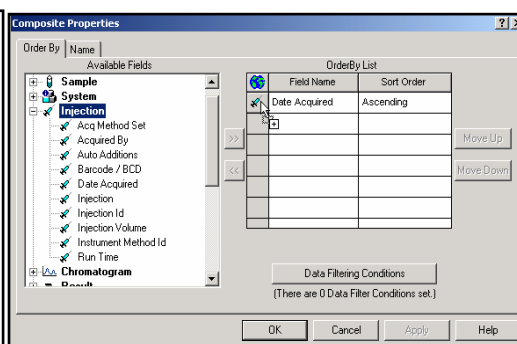
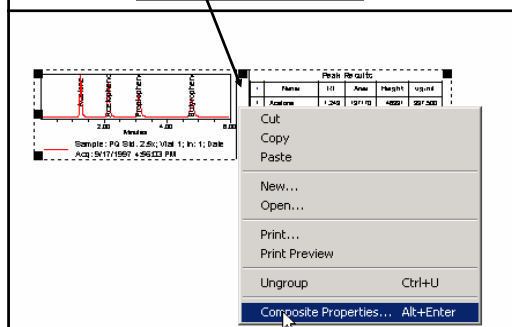


## Making a Chromatogram – Report

3. Right Click and select Composite Properties

4. In the Order By List select Date Acquired and set the Sort Order to Ascending

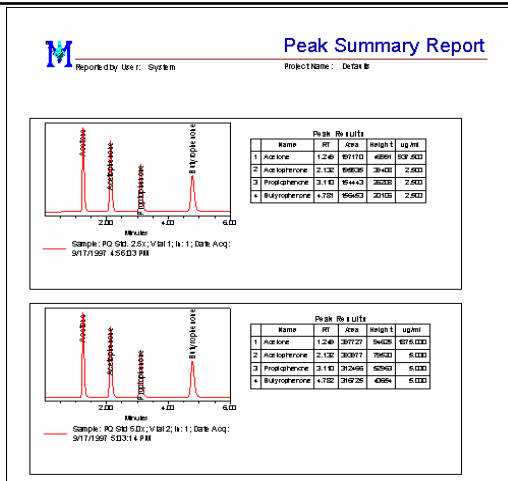
Click between Plot and Table





## Making a Multi-Chromatogram/Report Summary

5. Select Print / Preview to View the new summary report



## Making a Summary Table with peak statistics

1. Select the All Peaks Table from the table group

Group report in Defaults as System/Administrator - Report Publisher

File Edit View Layout Help

100%

Chromatograms

- Tables
  - All Peaks Table
  - Amount Component Summary
  - Area Component Summary
  - Basic LC Peaks Table
  - Component Table
  - Dissolution Summary Table
  - EP Sys Suit Result Table

Name	RT	Area	Height	ug/ml
1 Acetone	1.240	752220	12830	570.000
2 Acetone	1.240	752275	12920	570.000
3 Acetone	1.240	801737	24420	1070.000
4 Acetone	1.240	811110	48200	397.000

- Cut
- Copy
- Paste
- New Table...
- Open...
- Print...
- Print Preview
- Table Properties... Alt+Enter

2. Right Click and Select table Properties



## Making a Summary Table with peak statistics

3. Double click on ug/ml to setup summary functions (statistics)

4. Select in the summary Function drop – down box to select Min and Max for ug/ml

The screenshot shows two dialog boxes. On the left is the 'Table Properties' dialog, with the 'Table' tab selected. It shows a table with columns: Sample, Vial, Acquired, Peak, RT, Area, Height, ug/ml. On the right is the 'Column Properties' dialog for the 'ug/ml' field. The 'Summary Functions To Apply' list is open, showing 'Min' and 'Max' selected. The 'Table Properties' dialog also shows 'Table Title' as 'Peak Results' and alignment options set to 'Center Alignment'.

5. Repeat this for Retention Time (RT) except add % RSD to Min, Max



## Making a Summary Table with peak statistics

6. In the Peaks Table, check only Internal STD Peaks & Known Peaks, and set Do not use Peak Area's less than: 1%

7. In the Order by, select retention Time Ascending. In the Group By: Select Name from the drop down box. Select Ok.

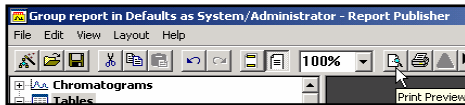
The screenshot shows two dialog boxes. On the left is the 'Table Properties' dialog, with the 'Peaks' tab selected. Under 'Use Peak Types', 'Internal STD Peaks' and 'Known Peaks' are checked. Under 'Area Rejection', 'Do not use peaks with an area less than:' is set to 0.0000e+000 and 'Do not use peaks with a %area less than:' is set to 1.0000. On the right is the 'Properties' dialog, with the 'Order By' tab selected. 'Retention Time' is selected in the 'Field Name' list and 'Ascending' in the 'Sort Order' list. The 'Group By' dropdown is set to 'Name'.

This will set up a summary table group by compound name in retention time order



## Making a Summary Table with peak statistics

8. Select Print/Preview to view the peak summary report sorted by component



Peak Summary

Reported by User: System Project Name: Default

Peak Results  
Peak: Acetone

Sample	Vial	Acquired	Peak	RT	Area	Height	ug/ml
1	P-Q Std 10x	3 9/17/997 5:10:10 PM	Acetone	1.248	789235	186180	3750.000
2	P-Q Unk. 2	5 9/17/997 5:24:04 PM	Acetone	1.248	792875	187595	3764.045
3	P-Q Std 5.0x	2 9/17/997 5:03:14 PM	Acetone	1.249	397727	94625	1875.000
4	P-Q Std. 2.5x	1 9/17/997 4:56:03 PM	Acetone	1.249	197170	49991	937.500
5	P-Q Unk. 1	4 9/17/997 5:17:07 PM	Acetone	1.249	782423	187682	3761.896
Min				1.2			937.5
Max				1.2			3764.0
% RSD				0.1			

Peak Results  
Peak: Acetophenone

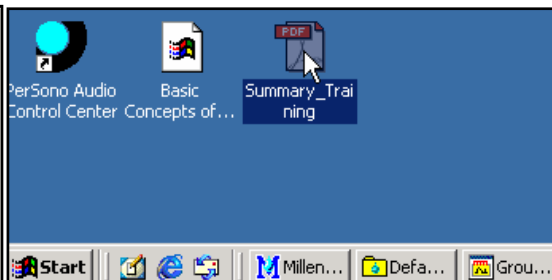
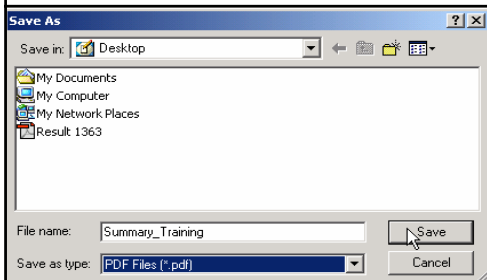
Sample	Vial	Acquired	Peak	RT	Area	Height	ug/ml
1	P-Q Std 10x	3 9/17/997 5:10:10 PM	Acetophenone	2.132	770192	156130	10.000
2	P-Q Std. 2.5x	1 9/17/997 4:56:03 PM	Acetophenone	2.132	195505	39409	2.500
3	P-Q Std 5.0x	2 9/17/997 5:03:14 PM	Acetophenone	2.132	393977	79620	5.000
4	P-Q Unk. 2	5 9/17/997 5:24:04 PM	Acetophenone	2.133	700469	157184	10.018
5	P-Q Unk. 1	4 9/17/997 5:17:07 PM	Acetophenone	2.133	701272	157244	10.029
Min				2.1			2.5
Max				2.1			10.0
% RSD				0.0			

## Save the Summary Report to a PDF Format

1. From the Preview select the Save Report icon.



2. Enter in the File Name and location (save to desktop) as a PDF file
3. Select the Windows desktop and double click on the report name pdf format





## Preview of the Millennium<sup>32</sup> Result in PDF Format (Adobe Acrobat)

4. View the pdf report

Reported by User: System Project Name: Defaults

**Peak Results**  
Peak: Acetone

	Sample	Vial	Acquired	Peak	RT	Area	Height	ug/ml
1	PQ Std 10x	3	9/17/1997 5:10:10 PM	Acetone	1.248	789235	186180	3750.000
2	PQ Unk. 2	5	9/17/1997 5:24:04 PM	Acetone	1.248	792875	187595	3764.045
3	PQ Std 5.0x	2	9/17/1997 5:03:14 PM	Acetone	1.249	397727	94625	1875.000
4	PQ Std. 2.5x	1	9/17/1997 4:56:03 PM	Acetone	1.249	197170	46991	937.500
5	PQ Unk. 1	4	9/17/1997 5:17:07 PM	Acetone	1.249	792423	187682	3761.896
Min					1.2			937.5
Max					1.2			3764.0
% RSD					0.1			



## Email the PDF from your desktop (Lotus Notes or Microsoft exchange must be configured)

Message Options

This message has not been sent.

To: Santa\_Claus@NorthPole.com

Cc:

Subject: Millennium<sup>32</sup> Report

Result 1727.pdf



## *Summary*

- Use Preview of Results to view a report as it would appear if printed.
- Use Report Publisher to make changes to a Report Method.
- Add a Report Method to a Method Set to automatically generate reports while acquiring data from another injection.