

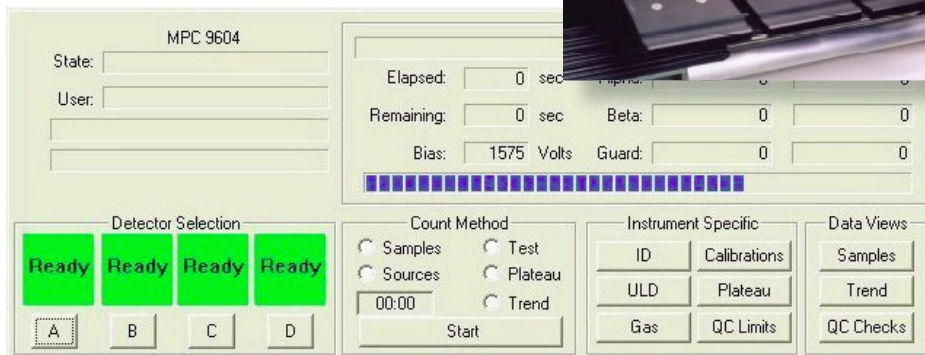
Vista 2000

Alpha Beta Control Software for Radiochemistry



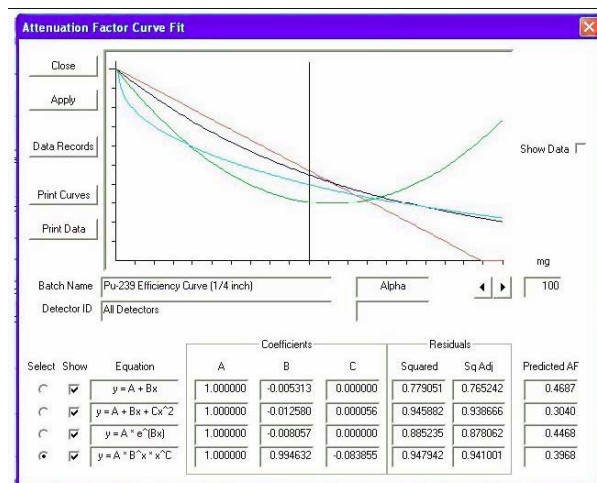
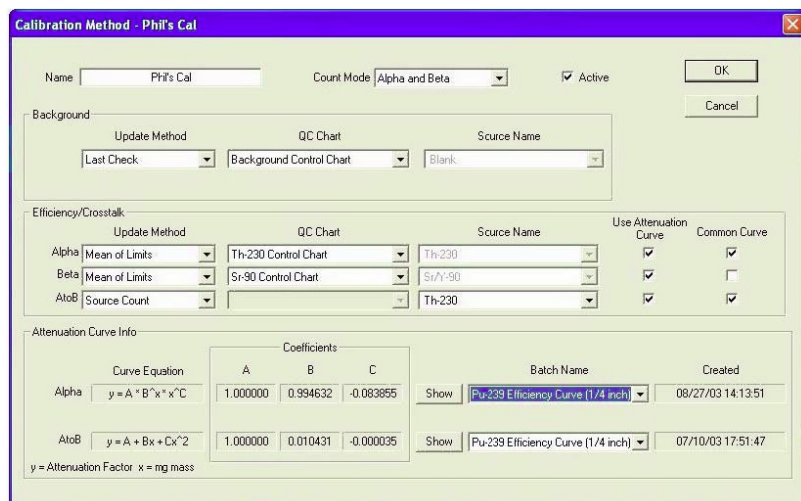
FEATURES:

- Full QC:** Background, Efficiency, Trends
- Multiple Systems:** Any mix to 64 detectors
- Flexible Reporting:** Standard plus user customized (no database knowledge needed!)
- Unified platform:** Same software controls single detector, multi-detector, automatic, and manual systems
- Self Configuring:** Easy field expansion of hardware
- Mass attenuation:** Individual calibration curves for each count routine; multiple curve fits to choose from



Mass Attenuation

Mass attenuation correction for calculating accurate sample activity



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Vista 2000 has flexible QC features. QC definitions are simple to set up, and viewing the results requires a minimum of effort. Any or all of trend charts for example, can be displayed by clicking the appropriate buttons in the chart dialog.

QC Chart: Background Control Chart
PIC MPC 9604 (MPC 9604 B) Print All
From: 6/24/2003 To: 6/27/2003
Cursor: 06/27/03

Show	Chart Mean	sigma	Cursor Value	Cursor
Eff.	0.00	0.00	0.00 %	
alpha	0.04	0.04	0.00 cpm	
beta	0.38	0.13	0.57 cpm	

Description: Blank Source Type: Background

Trending: PIC MPC 9604 (MPC 9604 B) Print All
From: 8/28/2003 Cursor Position: 49 of 49
08/29/03 09:14:46

Show	Chart Mean	sigma	Cursor Value	Cursor Result	Chi-Squared
alpha	0.12	0.08	0.15 cpm	OK	52.3
beta	0.40	0.15	0.15 cpm	OK	57.5
guard	418.38	4.09	412.70 cpm	OK	38.4

Description: Count Mode: Alpha and Beta

Completely self contained QC

- Define
- View
- Print

From within Vista 2000

Vista 2000

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REPORTING:

Standard reports are provided as well as the option of creating your own custom reports - without requiring database knowledge

Alpha/Beta Count Results Sample Activity Report				Address: f			
Sample ID <i>EAG99-1690-02</i> <i>EAG99</i>				Repeat <i>1</i>			
Batch ID <i>1690</i>							
Count Routine <i>Gross Alpha Beta EPA 900.0 (Soil)</i>				Detector Volts <i>1,515.0</i>			
Sample Qty	<i>0.100 g</i>	sd	<i>0.000 g</i>				
Residual Wt	<i>100.000 mg</i>	sd	<i>0.000 mg</i>				
Count Date	<i>10/25/1999 11:20</i>	Collection Date 1	<i></i>	Half Life	<i>0.00 days</i>		
		Collection Date 2	<i>8/25/1999 00:00</i>	Decay Factor	<i>1.000</i>		
Sample Count Time	<i>60.00 mins</i>	Background Count Time	<i>1,000.00 mins</i>				
Efficiency %	Attenuation Factor	Activity Divisor	Background cpm	Gross counts	Gross cpm	Net cpm	
Alpha	<i>19.930</i>	<i>0.348</i>	<i>1.000</i>	<i>0.054</i>	<i>11</i>	<i>0.183</i>	<i>0.129</i>
sd	<i>0.438</i>						

Alpha/Beta Count Results Summary Activity Report			
Count Routine <i>Gross Alpha Beta EPA 900.0 (Soil)</i>			
Batch ID <i>1690</i>			
Sample ID <i>EAG99-1690-02</i> <i>EAG99</i>			
Sample Qty	<i>0.100 g</i>	Count Date	<i>10/25/1999 11:20</i>
Residual Wt	<i>100.000 mg</i>	Sample Count Time	<i>60.00 mins</i>
Alpha	<i>8.383 ±</i>	<i>7.230 pCi/g</i>	<i>838.257 % of MPC</i> <i>MDC is Greater Than Limit</i>
Beta	<i>10.980 ±</i>	<i>4.004 pCi/g</i>	<i>365.985 % of MPC</i> <i>MDC is Greater Than Limit</i>
Sample ID <i>EAG99-1690-05</i> <i>EAG99</i>			
Sample Qty	<i>0.100 g</i>	Count Date	<i>10/25/1999 12:27</i>
Residual Wt	<i>100.000 mg</i>	Sample Count Time	<i>60.00 mins</i>
Alpha	<i>13.784 ±</i>	<i>8.716 pCi/g</i>	<i>1,378.372 % of MPC</i> <i>MDC is Greater Than Limit</i>
Beta	<i>6.430 ±</i>	<i>3.464 pCi/g</i>	<i>214.317 % of MPC</i> <i>MDC is Greater Than Limit</i>
Sample ID <i>EAG99-1690-09</i> <i>EAG99</i>			
Sample Qty	<i>0.100 g</i>	Count Date	<i>10/25/1999 14:15</i>
Residual Wt	<i>100.000 mg</i>	Sample Count Time	<i>60.00 mins</i>
Alpha	<i>7.302 ±</i>	<i>6.506 pCi/g</i>	<i>730.235 % of MPC</i> <i>MDC is Greater Than Limit</i>
Beta	<i>5.857 ±</i>	<i>3.340 pCi/g</i>	<i>198.552 % of MPC</i> <i>MDC is Greater Than Limit</i>



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