Vista 2000

α/β Control Software for Radiochemistry

Highlights

Full QC -
Trends, Efficiency, Background

Multiple Systems -
Any mix to 64 detectors

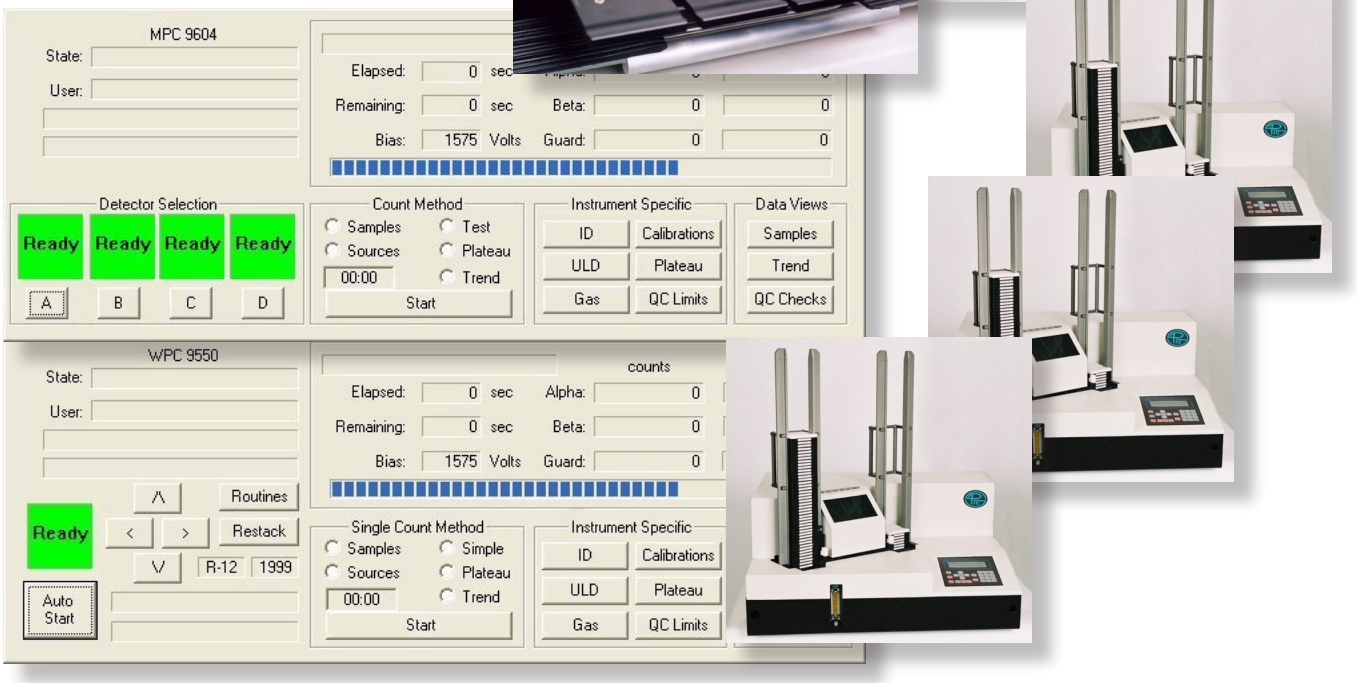
Flexible Reporting -
Standard plus user customized (no database knowledge needed!)

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

Control any mix of systems to 64 detectors total - MDS, WPC-9550, and MPC-9300 currently supported



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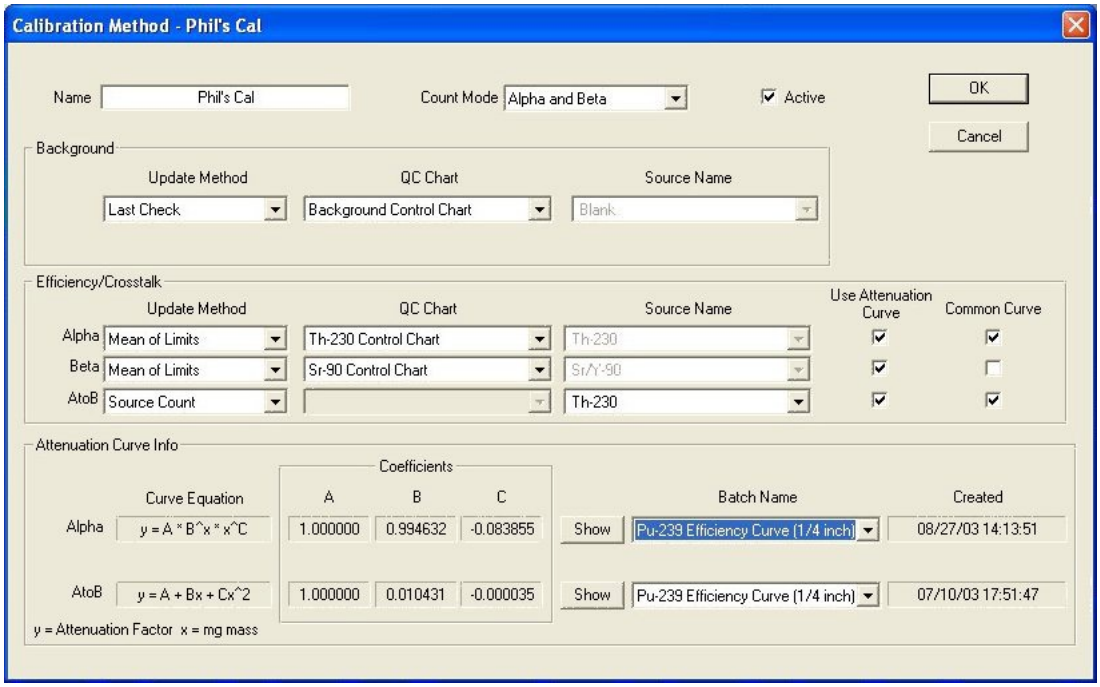
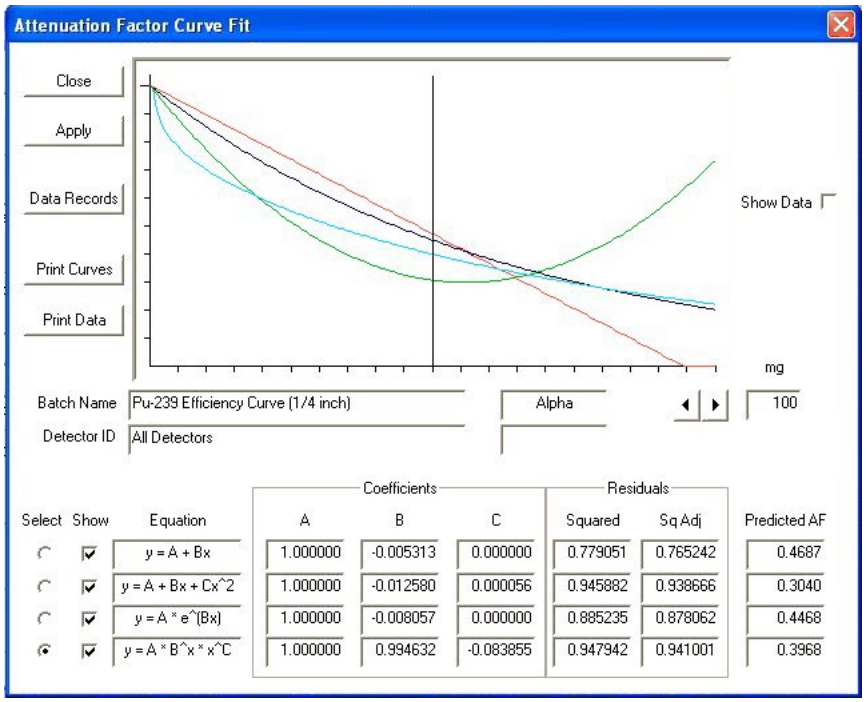
Mass Attenuation





Mass attenuation correction for calculating accurate sample activity

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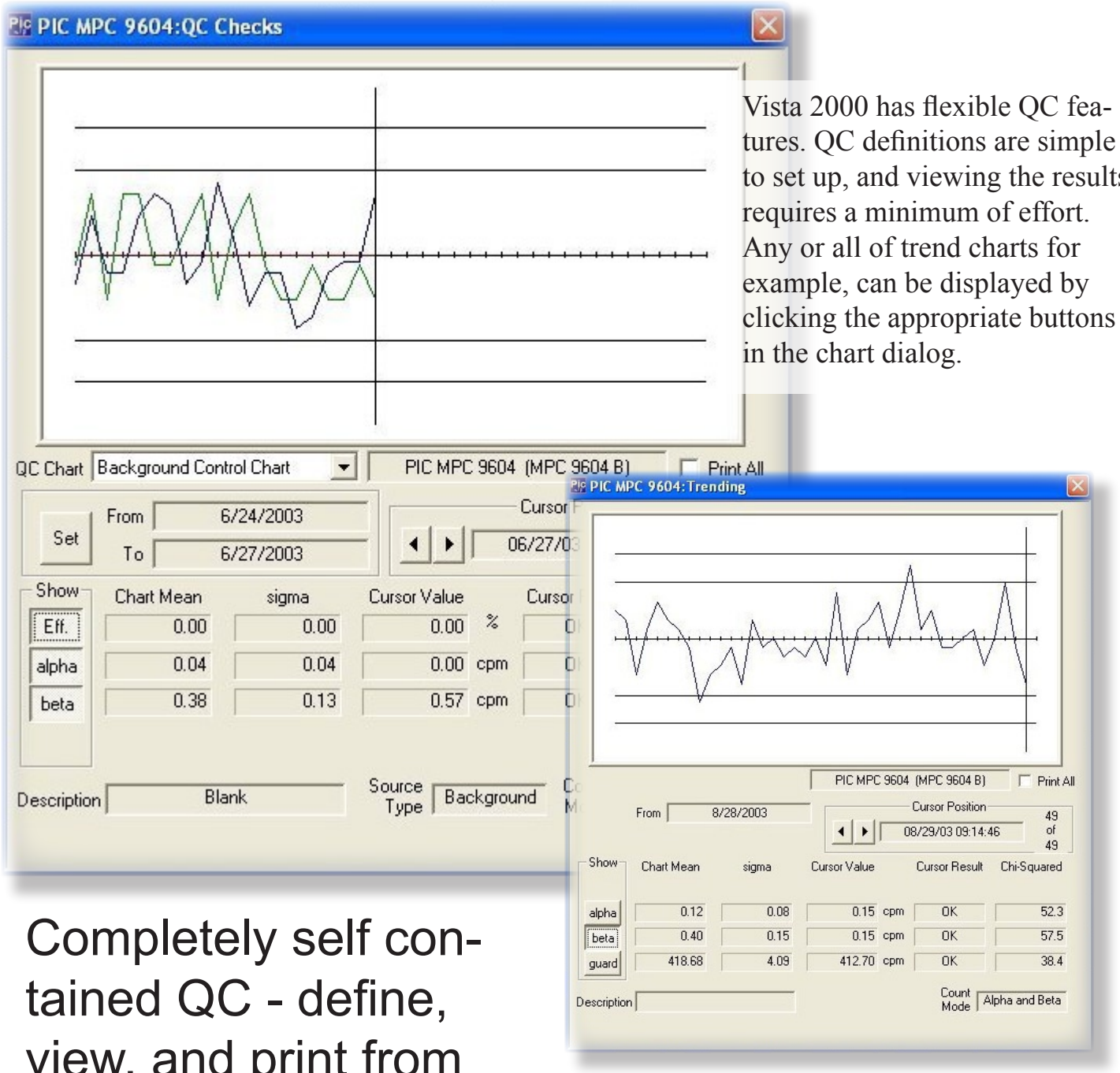
Quality Control



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.

Completely self contained QC - define, view, and print from within Vista 2000

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Reporting

Alpha/Beta Count Results
Sample Activity Report

PIC MPC 9604 - B Address: *1*

Sample ID *EAG99-1690-02*
EAG99 Repeat *1*

Batch ID *1690*

Count Routine *Gross Alpha Beta EPA 900.0 (Soil)* Detector Volts *1,515.0*

Sample Qty 0.100 *g* sd 0.000 *g*

Residual Wt 100.000 *mg* sd 0.000 *mg*

Count Date 10/25/1999 11:20 Collection Date 1 Half Life 0.00 *days*
Collection Date 2 8/25/1999 00:00 Decay Factor 1.000

Sample Count Time 60.00 *mins* Background Count Time 1,000.00 *mins*

	Efficiency %	Attenuation Factor	Activity Divisor	Background cpm	Gross counts	Gross cpm	Net cpm
Alpha	19.930	0.349	1.000	0.054	11	0.183	0.129
sd	0.438						

Alpha/Beta Count Results
Summary Activity Report

Count Routine *Gross Alpha Beta EPA 900.0 (Soil)*
Batch ID *1690*

Sample ID *EAG99-1690-02*
EAG99
Sample Qty 0.100 *g* Count Date 10/25/1999 11:20
Residual Wt 100.000 *mg* Sample Count Time 60.00 *mins*

Alpha	8.383 ±	7.238	pCi/g	838.257 % of MPC *MDC is Greater Than Limit*
Beta	10.980 ±	4.024	pCi/g	365.985 % of MPC *MDC is Greater Than Limit*

Sample ID *EAG99-1690-05*
EAG99
Sample Qty 0.100 *g* Count Date 10/25/1999 12:27
Residual Wt 100.000 *mg* Sample Count Time 60.00 *mins*

Alpha	13.784 ±	8.716	pCi/g	1,378.372 % of MPC *MDC is Greater Than Limit*
Beta	6.430 ±	3.464	pCi/g	214.317 % of MPC *MDC is Greater Than Limit*

Sample ID *EAG99-1690-09*
EAG99
Sample Qty 0.100 *g* Count Date 10/25/1999 14:15
Residual Wt 100.000 *mg* Sample Count Time 60.00 *mins*

Alpha	7.302 ±	6.906	pCi/g	730.235 % of MPC *MDC is Greater Than Limit*
Beta	5.957 ±	3.348	pCi/g	198.552 % of MPC *MDC is Greater Than Limit*

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

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