

Callidus SW v.5.1 - Features and Benefits

Callidus v.5.1 is a mature software representing a major step forward for completeness and ease of use. The simple structure provides a truly intuitive tool allowing the operator to use the SW from day one. It offers elegant solutions allowing highest instrument performances. Functionalities are neatly grouped under three main menus: **Instrument** – **Analysis** – **Sample Manager**.

Instrument

- Permanent display of all parameters for continuous monitoring of the Instrument Status
- Full Instrument control via serial communication through user-friendly graphical interface
- Full implementation of Standby, AutoStandby and AutoReady facilities, in one window
- Effective automatic Leak Tests
- Full Diagnostics and Preventive Maintenance

Analysis

- Automatic load of Instrument and Data Processing Parameters
- Single Page AutoRun window for sample sequence analysis
- Naming AutoRuns logically using two-field table
- Appending samples in the Sample Table during acquisition
- Extensive set of graphic tools for peaks detection

Sample Manager

- Powerful sample search engine to quickly find AutoRuns
- Optimisation of Calibration data for each Element
- Reporting sample results using one of the pre-arranged Report formats
- Fast scroll facility through all the chromatograms and individual results within one AutoRun
- One-Touch AutoRuns BackUp facility

Single page AutoRun window allows to prepare for automatic sample sequence analysis with outstanding simplicity. The window is divided in: Sample Table, Method,

The screenshot shows the 'Single page AutoRun window' with the following sections:

- Sample Table:** A table with 6 rows and 4 columns: Pos., Sample Name, Type, W (mg).

Pos.	Sample Name	Type	W (mg)
1	L-Cystine-1	Std	0.5610
2	L-Cystine-2	Std	1.0560
3	L-Cystine-3	Std	1.4520
4	Sample-4	Smp	0.7010
5	Sample-5	Smp	0.8360
6	Sample-6	Smp	1.2210
- Method:** A table of parameters with 'Applied' and 'Set to' values.

Parameter	Applied	Set to
Carrier	80 kPa	80
Purge	80 ml/min	80
Oxygen	20 ml	20
$\Delta P O_2$	35 kPa	35
Oxidation time	8.7 sec	8.7
Sample Delay	10 sec	10
Run time	320 sec	320
Front Furnace	1020 °C	1020
Rear Furnace	OFF °C	OFF
GC Oven	115 °C	115
- Report Configuration:** CHNS Configuration, Additional Information: 1000, Print options: Default reports (selected), Custom, All reports, No reports.
- Data Processing:** Calibration Type: Linear (selected), Component Table:

Element	N	C	H	S	O
Retention time (s)	33	50	114	201	-
Window (±s)	3	10	46	40	-
Interval from (s)	-	-	-	-	-
Integration to (s)	-	-	-	-	-
- Autorun:** Save, Import, Load, Start buttons, Stand-by at the end of Autorun (checkbox).

Data Processing and Report Configuration