ATAS Evolution Workstation , Method 'Large Volume'

		Name of the method and it will be displayed on the status view during the time that the method is active.
General		Time that the OPTIC will stabilize its parameters after they are set to their initial values and after the ready input sign
Method Name	Method1	received from the gas chromatograph.
Equilibration Time (sec)	5	Method run time. Normally this is set equal to the GC run time.
End Time (sec)	300	Method full time. Normany this is set equal to the GC full time.
		The temperature is normally set to about 5°C - 10°C or more below the atmospheric boiling point of the solvent.
Inlet Temperature		Do not use a too fast ramp rate, this will have the same effect as a hot injection. Normally 5°C/sec is a good value for
Initial Temperature (*C)	35	
Ramp Rate (*C/sec)	5,0	Final temperature of the OPTIC. Do not exceed the maximum temperature of the liner. ('A' type liner 325°C and 827
Final Temperature (°C)	200	305°C) the maximum temperature of the liners can be found on our website, www.atasgl.com
Hold Time (sec)	137	Time when floating point starts. (Floating = heater turned off, no cooling)
Temperature Control	Keep Until End	Normally 'Keep Until End' will be used. However if you would like to cool the injector before the end of the GC run
Tomporation Control	THOOP OTHER ETTE	select 'Floating'. (This will save cooling gas and electrical power.) (Please remember, there is no set-point for the final temperature, in this case it is called 'Floating')
∃ Septum Purge Flow		Septum purge flow should be set here, normal setting would be 5 ml/min. The flow is controlled with a mass flow co
Septum Purge Flow (ml/min)	5	(not a fixed restrictor.)
Solvent Venting		For a large volume injection most of the solvent needs to be vented off. This can be done by time or by making use o solvent sensor. 'Fixed Time': is a mode that uses user defined time to vent the solvent out. The injector will switch to
Vent Mode	Threshold	splitless state after vent time is elapsed. 'Solvent Level': the sensor is used and the injector will be switched to splitle
Vent Time (sec)	30	depending on the level of the sensor. (solvent peak) 'Threshold': the sensor is used and the injector will switch to split
Solvent Monitor Level (%)	10	depending on the threshold set for the sensor. (solvent peak)
Solvent Monitor Threshold	25	Time that the solvent will be vented. The 'Vent Flow' is active during this time. (most stable vent mode)
Solverk Monitor Theshold	23	The OPTIC will switch from vent flow to splitless when the sensor has reached the relative level (%) of the solvent p
7 C-1 Fl	_	(relative vent mode)
Column Flow/Injector Pressure		
Carrier Control Mode	Flow	The OPTIC will switch from vent flow to splitless when the sensor has reached the threshold value of the negative sle solvent peak. (absolute vent mode) Start with value 100 and optimize.
Transfer Time (sec)	180	Solvent peak, (absolute vent mode) start with value 100 and optimize.
Sample Sweep Column Flow (ml/mir		Select here Flow or Pressure. (the flow mode
Transfer Column Flow (ml/min)	1,0	Time during which the 'Transfer Column Flow' is active. It is important to set this time not too short. If this time is t
Start Column Flow (ml/min)	1,0	high boilers will be lost. 180 sec is sufficient in most applications.
End Column Flow (ml/min)	1,0	Column flow at the moment of injection and during the vent time.
Sample Sweep Injector Pressure (kF		
Transfer Injector Pressure (kPa)	50,0	The column flow at the time that the compounds are transferred into the column. This flow can be increased to impro sample transfer. (also called pressure pulse)
Start Injector Pressure (kPa)	50,0	sample transfer. (also caned pressure pulse)
End Injector Pressure (kPa)	50,0	Starting column flow. This should be set to an appropriate flow for the installed column.
		Column flow at the end of the run. Can be used to force the high-boilers out of the column. This is normally set equal initial column flow.
Split Flow		
Split Flow Vent Flow (ml/min)	50	Split flow during injection and 'Vent Time'.

Cryotrap section is only visible when it is selected in the Configuration/System Configuration

	Cryotrap				
	Cryotrap Low Temperature (°C)	30			
	Low Temperature Hold Time (sec)	0			
	Cryotrap High Temperature (*C)	35			
	Cryotrap Heat Ramp Rate (*C/sec)	15.0			

Beginning temperature of the Cryotrap in the method. When LN2 is used -110° C will be fine for many compounds. With CO2 as a coolant the lowest temperature is -70° C.

Time that the trap is cold after the start in signal. This time should be longer than the delay time + time to ramp the inlet till the maximum set point.

Upper temperature of the trap. This should not be higher as the maximum temperature of the column.

Ramp rate of the Cryotrap from low to high. Normally set to 60°C/sec.

Auxiliary section is only visible when it is selected in the Configuration/System Configuration

	Auxiliary Flow/Pressure				
	Start Aux Flow 1 (ml/min)	10			
	Aux Gas Control Time 1 (sec)	600			
	End Aux Flow 1 (ml/min)	10			
	Start Aux Flow 2 (ml/min)	0			
	Aux Gas Control Time 2 (sec)	0			
_	End Aux Flow 2 (ml/min)	0			
	2 (ml/min)	0			
	Aux Gas Continue Anna	0-3			
	End Aux Flow 7 (ml/min)				
	Start Aux Flow 8 (ml/min)	0			
	Aux Gas Control Time 8 (sec)	0			
	End Aux Flow 8 (ml/min)	0			
	Start Aux Flow 9 (ml/min)	0			
	Aux Gas Control Time 9 (sec)	0			
	End Aux Flow 9 (ml/min)	0			

Start flow of the auxiliary flow module. Usually used for Inlet Backflush.

Time that step 1 is active.

End of step 1 flow.

To add a flow step: point with the computer mouse in the graphic display on the aux flow profile where you like to add a step and 'right click' with the mouse and select 'Add Step'.