

Prova 4

1. La tecnica IR per la caratterizzazione dei composti organici.
2. Piano di emergenza ed evacuazione in un laboratorio chimico.

Come ordinare in ordine alfabetico un elenco in colonna di un foglio di lavoro Excel

To Start Up the GC (p 17)

Successful operation begins with a properly installed and maintained GC. The utility requirements for gases, power supply, venting of hazardous chemicals, and required operational clearances around the GC are detailed in the Agilent GC, GC/MS, and ALS Site Preparation Guide.

1. Check gas source pressures. For required pressures, see the Agilent GC, GC/MS, and ALS Site Preparation Guide.
2. Turn on the carrier and detector gases at their sources and open the local shutoff valves.
3. Turn on the cryo coolant at its source, if used.
4. Turn on the GC power. Wait for Power on successful to display.
5. Install the column.
6. Check that the column fittings are leak free. See the Troubleshooting manual.
7. Load the analytical method. See "To load a method".
8. Wait for the detector(s) to stabilize before acquiring data. The time required for the detector to reach a stable condition depends on whether the detector was turned off or its temperature was reduced while the detector remained powered
 - "To start running a sequence" For details on how to create methods and sequences using the GC keypad, see "Methods and Sequences".

Prova 2

1. Metodi di ionizzazione per la spettrometria di massa per lo studio di composti organici.
2. Norme per la manipolazione di liquidi criogenici.

Come inserire un'immagine in un foglio di lavoro Word

Beeping instrument (p.12)

A single beep means that a problem exists, but the problem will not prevent the GC from executing the run. The GC will emit one beep and display a message. The GC can start the run and the warning disappears when a run starts. A series of warning beeps sound if the GC encounters a more serious problem. The GC starts with one beep. The longer the problem persists, the more the GC beeps. For example, a series of beeps sound if the front inlet gas flow cannot reach setpoint. The message Front inlet flow shutdown is briefly displayed. The flow shuts down after 2 minutes. Press [Off/No] to stop the beeping.

A continuous beep sounds if a hydrogen flow is shut down or a thermal shutdown occurs. Press [Clear] to stop the beep.

Fault messages indicate hardware problems that require user intervention. Depending on the type of error, the GC will beep once or not at all.

Prova 3

1. La GPC (*gel permeation chromatography*) per la caratterizzazione delle macromolecole organiche.
2. I dispositivi di protezione individuale (DPI) in un laboratorio chimico.

Come si possono fare sommatorie in un foglio di lavoro Excel

Instrument Control (p 17)

The Agilent 7890B GC is typically controlled by an attached data system such as Agilent OpenLAB CDS. Alternately, the GC can be controlled entirely from its keypad, with output data being sent to an attached integrator for report generation. Agilent data system users – Please refer to the online help included in the Agilent data system for details on how to load, run, or create methods and sequences using the data system. Standalone GC users – If you are running your GC without an attached data system, see the following for details on loading methods and sequences from the keypad:

- “To load a method”
- “To load a stored sequence” For details on running methods and sequences from the keypad see:
- “To manually inject a sample with a syringe and start a run”
- “To run a method to process a single ALS sample”

Prova 5

1. Tecniche gas-cromatografiche per la caratterizzazione e quantificazione di miscele di composti organici.
2. Norme di sicurezza e prevenzione antincendio.

Come inserire note o riferimenti bibliografici in un foglio di lavoro word

To Shut Down the GC for Less Than a Week (p 19)

1 Wait for the current run to finish.

2 If the active method has been modified, save the changes.

WARNING Be careful! The oven, inlet, and/or detector may be hot enough to cause burns. If they are hot, wear heat-resistant gloves to protect your hands.

3 Turn off all gases, except the carrier gas, at their sources. (Leave the carrier gas on to protect the column from atmospheric contamination.)

4 If you are using cryogenic cooling, turn off the cryo coolant at the gas source.

5 Reduce detector, inlet, and column temperatures to between 150 and 200 °C. If desired, the detector can be turned off. See the following table to determine if it is advantageous to shut down the detector for a short time period. The time required to return the detector to a stable condition is a factor. See Table 1.

Prova 6

1. Tecniche HPLC per la caratterizzazione e quantificazione di miscele di composti organici.
2. Norme per lo smaltimento di prodotti chimici e materiali contaminati.

In un foglio di lavoro Word come è possibile formattare il carattere e la dimensione del testo?

What Is a Method? (p 38)

A method is the group of settings required to analyze a specific sample. Since every type of sample reacts differently in the GC—some samples require a higher oven temperature, others require a lower gas pressure or a different detector—a unique method must be created for each specific type of analysis.

What Is Saved in a Method?

Some of the settings saved in a method define how the sample will be processed when the method is used. Examples of method settings include:

- The oven temperature program
- The type of carrier gas and flows
- The type of detector and flows
- The type of inlet and flows
- The type of column
- The length of time to process a sample

Data analysis and reporting parameters are also stored in a method when it is created on an Agilent data system, for example OpenLAB CDS or MassHunter software. These parameters describe how to interpret the chromatogram generated by the sample and what type of report to print. See the Advanced Operation Manual for more details on what can be included in a method.