



GC-MS On-Demand Services

Project Parameters Q&A

The GC-MS on-demand service allows a company to provide up to 8 samples in one order. . Choose this option when you need a basic GC-MS profile.

Each sample that you are sending requires proper labeling. The sample number assigned on-line must be used to label the corresponding physical sample that you are shipping.

For each sample material, please send enough of each material for several analytical procedures. Typically this is approximately 20-100mL or grams but the amount needed for analysis may vary depending on the nature of the material. Shipping instructions are outlined in the next section of this document.

GC-MS Parameters:

The analytical process utilized will be VAC standard analysis. The standard analysis includes dynamic headspace extraction utilizing an absorbent such as TenaxTA, Activated Carbon with various pore sizes, stir bar sorptive extraction (Twister), or SPME, or other. VAC will choose the appropriate technique/ sorbent based on the nature of the material. VAC will also choose the appropriate GC column with suitable stationary phase.

SHIPPING INSTRUCTIONS

1.0 Items Needed

- 1.1. Printed or clear & legibly written material labels
- 1.2. Non-spill container(s) (glass jars when applicable)
- 1.3. Clean, heavy duty aluminum foil
- 1.4. Bubble wrap
- 1.5. Sealable plastic bags (i.e. Ziploc storage or freezer bags)
- 1.6. Packing slip

2.0. Procedure:

- 2.1. Place a printed or clear and legibly written label on outside of each container. It is important to be aware of the odors associated with packaging and shipping supplies and minimize or avoid them if possible. Examples include odorous markers, glues, previously used corrugated packaging.

- 2.2. Fill container with designated material to levels specified in material shipping instructions. Send sufficient material to conduct analyses (typically between 20-100mL or grams). Please contact VAC with questions.
 - 2.3. If using glass jars (preferably mason jars), fill with material, place foil under jar lid between sample and lid, cover with and secure lid. Please ensure lid is tightly sealed to prevent spillage.
 - 2.4. Wrap each labeled container in aluminum foil and mark with sample number on outside of foil. This can be hand written, as long as it is legible, with a permanent marker or a printed label securely attached. Note if materials are sealed inside glass it is okay to print on the outside of glass with permanent marker.
 - 2.5. Wrap each container in bubble wrap. For glass containers, ensure containers are wrapped appropriately to prevent breakage during shipping.
 - 2.6. If concerned about the possibility of spillage, container can be place in a Ziploc bag after steps 3.1 – 3.5 are completed.
 - 2.7. A packing slip must be placed in the box with the containers. If more than one box is used, ensure packing slip includes list of contents of each box.
- 3.0. Shipping Address
- 3.1. 29750 US Highway 431, Grant, AL 35747