



Instructions for Catalog # 1101QR
Air and Emissions Volatiles on Sorbent
Revision 052412

Description:

- This standard is packaged in a 2 mL flame-sealed ampule containing approximately 2 mL of standard concentrate.
- This concentrate is not preserved.
- The solvent for this concentrate is Methanol.
- The concentrate should be stored at $4\pm 2^{\circ}\text{C}$.
- The prepared standard will contain a subset of the analytes listed on the data reporting form in the ranges specified.

Before you begin:

- This standard has been prepared as a concentrate intended for spiking onto a sorbent tube of your choice and must be prepared prior to analysis.
- The dilution instructions presented below involve loading a liquid standard directly onto the sorbent tube. In some instances, introduction of too much Methanol in the analytical system may cause chromatographic interferences. ERA recommends purging the solvent from the tube after loading, if sorbent tube is capable of retaining analytes of interest. If this is not possible, adding a smaller volume of spike mix is appropriate. Results need to be reported in terms of the dilution instructions provided below.
- This standard should be analyzed as soon as possible after the sample is prepared.

Instructions:

1. Take a sorbent tube of your choice and place it near your desorption apparatus.
2. Carefully snap the top off of the Volatiles on Sorbent ampule.
3. Using a ten-microliter syringe, transfer $5.0\ \mu\text{L}$ of the concentrate, into the sorbent portion of the tube.
4. Immediately place the spiked sorbent tube into your desorption apparatus and analyze following your normal procedures.
5. Report your results as ng/sample for the prepared sample.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.