

Sampling Instructions (BTEX/VOCs)

Images used with permission of Sigma-Aldrich

Inspect your Media

- Each sampling unit consists of three parts:
 - White diffusion body (RAD-120)
 - Triangular supporting plate (RAD-121)
 - BTEX/VOCs solvent desorption cartridge (RAD-130).
- Compare the content with the packing slip and notify Pace Analytical of any discrepancy or damage.

Prepare for Sampling

- Open the plastic bag containing the solvent desorption cartridge (RAD-130).
- Remove the plastic cap from the tube, and place the cartridge into the diffusion body, as shown in Figure 1.
- Set aside the glass tube and plastic stopper in the original plastic bag for return shipment.
- With the diffusion body in a vertical position, screw it onto the triangular supporting plate, as shown in Figure 2 (RAD-121).
 - ***NOTE** - Do not hold the diffusive body horizontally when you screw it onto the plate.*
- The lower part of the white diffusion body has a place for central positioning of the cartridge. A correctly centered cartridge should not stick out.
 - ***NOTE** - If this happens, the cartridge is not correctly positioned. If the geometry of the sampler is disturbed, the results can be less reliable.*

Collect Samples (Record of Date/Time is critical)

- Remove the label from the sample pocket.
- Document date and time.
- Attach to triangular supporting plate.
- The assembled sampling unit is now ready to collect ambient air samples.
- Place, or mount, the sampler at desired sample location.
 - ***NOTE** – Sampling time in the field determines reporting limit on your final report. This should be pre-established. Please contact Pace immediately, if you are unsure of sampling time.*
- Upon completion of sampling, transfer the cartridge from the diffusion body back to the original glass tube.
- Replace the stoppers on the tube.
- Document the date, time and temperature on the barcode label.
- Transfer the label to the original glass tube, housing the absorbent cartridge as shown in Figure 3.

Return Samples

- Return all components in the package as you received them. Complete a Chain of Custody record and return with the sample to Pace Analytical for analysis.



Figure 1

Place the desorption cartridge RAD-130 into the white diffusion body RAD-120



Figure 2

White diffusion body in vertical position screwed into supporting plate



Figure 3