

**CH SOP-06-1- Work Instruction- Making modified can lids for the extraction procedure**

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*Approved by Director: Dr. Guy Vallaro*

Purpose: To modify a can lid of each size to hold the charcoal tube used in the extraction procedure

Scope: To attach a Swagelok fitting to a can lid

Responsibility: Arson section chemist or designee

Analytical procedure: As part of the *QA/QC* program, can lids of each size are modified at intervals determined by the chemist according to the following:

1. In the center of a can lid, punch three holes in a triangular pattern approximately 1/2 inch apart (use an awl and a hammer to punch the holes).
2. Using wire cutters or tin snips, remove the metal within the three holes.
3. Work a 1/4 inch Swagelok "bulkhead union" fitting into the hole and tighten into place.
4. Screw on a 1/4 inch Swagelok cap fitting containing a graphite ferrule.
5. Insert a SKC charcoal tube through the cap/ferrule and tighten it down.
6. Remove the charcoal tube.

Documentation: Arson analysis method  
CH SOP-06