

## Outline of Material for Presentation at U. of Kentucky

### Particulate Phase

#### I. Smoking Procedure

##### A. Cigarette Conditioning and Selection

75°F. 60% R.H.; wt ±20 mg; RTD

##### B. Smoking Conditions

35 cc puff, 2 sec duration, once a minute

##### C. Collection

Cambridge Filter

Freeze-out

Electrostatic Precipitation

Solvent

#### II. Analyses

##### A. Direct (on sample as collected)

###### 1. Gross Analyses

Total Weight

Dry Weight

Total Acids

Total Bases

Total N

Nicotine

###### 2. Individual (direct or in solvent directly)

Water

Nicotine

Humectant

Menthol

##### B. Fractionation

###### 1. Solvent Extraction

Acids

Phenols

Bases

Neutrals

Water solubles

} organic phase

###### 2. Chromatography

Column

Paper

Thin Layer

Gas