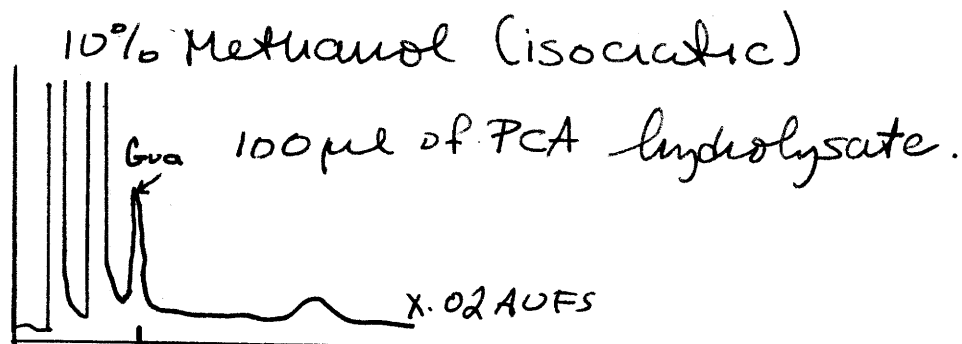


4/21/76 Guanine Chromatography under RPC Conditions

Purpose: To get additional information on the base-part of the adduct. A method will be developed using the Micromeritics LC and a reversed phase column.



4/21/76 Hydrochloric Acid Hydrolysis of Peak 1

Purpose: to take
Adduct \longrightarrow base + dihydrodiol
 $\xrightarrow{4\text{mg DNA}}$ LC

- SAMPLE \rightarrow 4-21-1
- The sample of 4 ml JE-1 which Bob Coy had used to isolate peak 1 yesterday was conc. to ~ dynes (sample a little wet)
 - add 0.5 ml ~ 0.1 N HCl
 - heat at 90-100°C for 60 min (water bath)
 - remove 0.2 ml (by syringe) and add to PS vial
 - freeze in dry ice-acetone and freeze-dry the HCl white powder
 - add 0.40 ml H₂O - dissolved quickly
 - submit 0.05 ml (50 μ l) to HPLC on DC-4A column

Results: facing page

Possibly these conditions weren't severe enough to liberate Guanine.