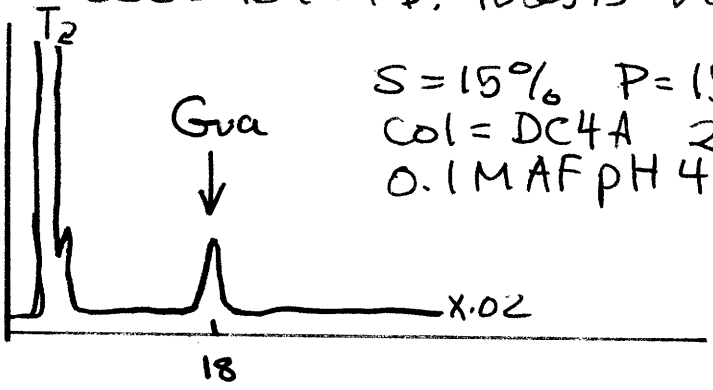
~~4/22/76~~
4/20/76 Perchloric Acid Hydrolysis of Peak 1

Procedure:

- The entire remainder of the material isol. from peak 1 was concentrated to a small volume and transfered to a PS vial
- the total vol. transf. was ~ 1 ml
- freeze in Revco freezer and lyophilize
- after ~ 3 hr. the dry powder (guess <100 μg) was hydrolyzed with 0.1 ml $HClO_4$ at 100°C for 60 min
- sample neutralized with 0.470 ml KOH (3 N)
- add 1 drop HCOOH
- filter
- inject 100 μl into ion exchange system used for Ph.D. thesis research.



S = 15% P = 1500 T = 55
Col = DC4A 25 x .22 cm
0.1 M AF pH 4.30 (fresh)

Results: a small peak was seen in the hydrolysate at the retention time of guanine. These results were reproducible and peaks were not seen at the t_Rs of cytosine and adenine.

Conclusions:

1. There is a peak at the t_R of guanine after $HClO_4$ hydrolysis of the presumptive adduct in peak 1.
2. Can't make any generalizations, but there was a large peak early in chgm — this ~~[illegible]~~ usually occurs, however, and no thymine adduct has ever been identified. Cyt and Ade were not observed.