

ETHYL CORPORATION

901 RUSS BUILDING • 235 MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

May 8, 1959

Mr. J. Cholak
Kettering Laboratories
College of Medicine
Eden and Bethesda Avenue
Cincinnati 19, Ohio

Re: X105A Project

Dear Jack:

Received the notes from John Koshnle relative to your telephone conversation with him this morning. So that there will be no misunderstanding, may I confirm some of our thinking.

1. For all phase 1 and phase 2 gasoline (TEL) LIA, observations will be made from 4 cubic feet samples. Phase 3 gasoline (X105A) LIA, observations will be made from 2 cubic feet samples.
2. I assigned two separate sample numbers when the LIA and millipore grid were run simultaneously thinking it would help you in data processing. As you suggest, I will now assign one sample number.
3. On the millipore grid determination, I will discard the backing and fold the exposed grid surface before mailing as you suggest.
4. I will attempt to identify the activity at Yellow Cab by number of cabs being fueled during sampling. It will be difficult to express the amount of activity prior to sampling because of lack of manpower and time. As you know, the amount of prior activity at the pump islands may influence the observed test. By this I mean how wet the gasoline mops may be, the amount of gasoline remaining on the floor, and the amount and degree of wetness of mop-up rags on the floor.

Suppose I did this, record every 15 minutes the number of cabs serviced at the islands from 2 PM to 2 AM. This would give you a good measure of the pump island activity but, as you know, this pattern would not be duplicated

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exactly each day with Saturday being the most active day, Friday next in activity, and Sunday the least active.

5. I will note on the AISI tapes the date and time every day I am at the Yellow Cab garage. Since there are 3 additional widely separated areas involved in this program, I am not present at any one spot on consecutive days.
6. The time to obtain one-4 cubic feet LIA sample is 9 minutes and 45 seconds. This is the present calibration using a motor driven vacuum pump and wet test meter at Yellow Cab garage. 10 minutes 5 seconds when using the millipore grid simultaneously. Other areas are hand-cranked LIA's and take approximately 10-12 minutes.
7. Will be simply delighted to see you on the 21st, and thanks for appreciating this work-load problem and the common sense guidance you have given us to date.

Best regards,

Wil
Wil Hancock

WYH:mjm

cc: LL Huxtable
JF Koehnle

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