ORGANIC RESEARCH

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GENERAL PHYSICAL CHEMISTRY GROUP WORK REQUEST

DATE	CHARGE - Job No.
11/17/65	4382
REQUESTER	**LOCATION**
Bannister	Lab 206 Sta-601

WORK REQUESTED OR ANALYSIS REQUIRED

GC

REASON: On samples 2 & 3, level of component 1 (orig. 0.1%) is desired for standardization. If successful & if you can do it on the same column programmed for gross composition, please determ. component 1 in the other samples also.
2 quant. anal. of samples 2 thru 6 is desired.
#2 contains FH-140, m50, & o55
#3-6 " " & F-255?

COMMENTS (e.g. Accuracy requirements, timing situation)

Determination of the #1 component in sample #2 is of greatest priority

SAMPLE INDENTIFICATION (notebook page numbers, lot numbers, dates, or other information that will be unequivocal indefintely.)

(1) Diisopropyl Hydrogen Phosphite
(2) MCS 314 twice-Millipore-filtered
(3) MCS 293 Unused, English Electric #1 Sample
(4) " " 33Hr. 50 min. " " #2 "
(5) " " 70Hr. 20 min. " " #3 "
(6) " " 128Hr. 5 min. " " #4 "

SPECIAL INFORMATION (Data that will facilitate our work such as known solvents for molecular weight samples, melting point if properties in solid and liquid state are needed, maximum process temperature for thermal stability samples, boiling points for gas chromatography, chemical reaction involved, etc.)

Unstable ____, *Explosive* ____, *Toxic* ____, *Stench* ____, *sublimes* ____, *Hygroscopic* ____, *Use dry box* ____

M. P. ____, *B.P.* ____ *mm, Solvents* ____

Other ____

DSW 298973

Q-627

STLCOPCB4068886

This side to filled in by general physical chemistry group

REPORT OF RESULTS | DATE 12-2-65

TO: | CC:

MCS-293

	Unused	33 hr	70 hr	128 hr
L.B.	0.15%	0.56%	0.58%	0.51%
① -ϕsϕ	0.05	0.05	0.08	0.05
② ϕsϕl	0.80	0.79	0.80	0.75
③ ϕssϕ	0.13	0.12	0.14	0.11
④ - os	0.07	0.08	0.10	0.07
⑤ - FH+40	52.1	51.5	51.3	51.8
⑥	+	0.09	0.14	0.14
⑦	-	~~0.08~~	~~0.13~~	~~0.11~~
⑧	-			
⑨ 4 Ring	11.4	11.2	11.6	11.4
⑩ 4 Ring	21.8	21.8	21.7	21.8
⑪ 4 Ring	13.5	13.7	13.5	13.3

MCS-314

0.17% - L.B.
0.12 - ϕsϕ
0.17 - ϕsϕcl ? (2 comp.)
24.2 - os
75.3 - ss

DSW 298974

G. Gasser

SIGNATURE

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