JR 108

ANALYTICAL WORK REQUEST

COPIES: WHITE-*File*; YELLOW-*Requester*; BLUE-*Analyst*

T O		DATE	CHARGE-*Job No.*
	ANALYTICAL CHEMISTRY AND SPECTROSCOPY GROUP ORGANIC RESEARCH	1/21/63	4009
		REQUESTER K.L. McHugh	LOCATION 206

WORK REQUESTED OR ANALYSIS REQUIRED

GLC

REASON

Determine the approximate ratio of terphenyls to quaterphenyls in two benzene extracts of different Santowax's.

COMMENTS

Not interested in absolute percentages of various terphenyls; rather would like the total percent of terphenyl to total percent of quaterphen

SAMPLE IDENTIFICATION

① Benzene extract of Santowax R
② Benzene extract of Santowax OMP

DATA FOR SPECTROSCOPY WORK *Include reaction carried out and possible by-products.*

Solutions ~ 65 g in 170 cc of benzene (essentially saturated solutions).

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This side to be filled in by analytical chemistry and spectroscopy group

TYPE OF WORK NEEDED *Check appropriate combination*

☐ CHEMICAL ☐ INSTRUMENTAL ☐ IR ☐ UV ☐ EMISSION

☐ ESTABLISHED METHODS ☐ METHOD DEVELOPMENT ☐ EXPLORATORY

COMMENTS

6 m 5% SF-52 on Chromo P @ 300°C

ASSIGNED TO

ANALYTICAL REPORT

	ϕ_2	ϕ_3	ϕ_4
Extract of Santomer R	0.3%	81.0%	18.7%
Extract of Santomer OMP	0.5%	95.6%	3.9%

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SIGNATURE [signature] DATE 1/23/62

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