REPORT SHEET

GC/MASS SPEC OF ETHYL BENZENE SAMPLES

1) FRESH ETHYL BENZENE LOT 5-784

0.1% VOLATILES (BENZENE, TOLUENE, Me-CYCLOHEXANE)

99.9% Et Ø

2) ETHYL BENZENE TK 141 7/28/76

0.6% VOLATILES

98.7% Et Ø

0.6% ØCH$_2$Cl

0.1% 5-100

3) ETHYL BENZENE TK-142 7/28/76

0.1% VOLATILES

99.9% Et Ø

DSW 298041

GC/MS 76-178

SIGNATURE	DATE	NOTE BOOK
Robert O. Kelly II	8/12/76	

STLCOPCB4067952

WORK REQUEST | TO

APPLIED SCIENCES
RESEARCH CENTER LABORATORIES
MONSANTO INDUSTRIAL CHEMICALS CO.

WORK REQUESTED GLC - Mass; Identification

REASON/COMMENTS Sarlosol 100 is benzylated ethylbenzene, made at Delaware River by benzylation, FEA with benzyl chloride using aluminum chloride catalyst. Lately some benzylation reactions have stopped, apparently due to deactivation of the catalyst (moisture content is low).
Please compare the recovered FA from DA with the fresh FA. Identify as many components as possible. Can any hydrolytic components (e.g. alcohols) be observed in the recovered FA?

SAMPLE IDENTIFICATION Ethylbenzene, recovered, Tk-141
" " " -142
" , fresh, Lot S-784

J C Wygant
REQUESTER

BLDG. T LAB./OFFICE 210

MAIL ZONE T3E

PHONE NUMBER 4 4620

PRODUCT Sarlosol 100

BUSINESS GROUP Fume Pro

DATE SUBMITTED 8 4 76

DATE NEEDED BY 8 11 76

JOB NUMBER 44-000-760.42 - 111457

SAMPLE DISPOSAL ☐ RETURN
☐ DISCARD

R-108 REV. 7-72

(SUBMIT WHITE, YELLOW AND GREEN COPIES)

DSW 298042

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