WORK REQUEST

TO

APPLIED SCIENCES
RESEARCH CENTER LABORATORIES
MONSANTO INDUSTRIAL CHEMICALS CO.

WORK REQUESTED Please Run Mass Spectrum of Sample # 1084702

REASON/COMMENTS
- Structural confirmation By M.W. determination
- Sample is volatile: b.p. ≅ 60°C @ 18 m.m Hg
- Sample probably smells unpleasant

SAMPLE IDENTIFICATION 1084702

DSW 298023

REQUESTED W.C. Christopfel

BLDG. T LAB./OFFICE 203

MAIL ZONE 72E

PHONE NUMBER 4-4563

PRODUCT $BrCH_2CH_2-S-CH_3$

BUSINESS GROUP F+F

DATE SUBMITTED 13 July 76

DATE NEEDED BY 16 July 76

JOB NUMBER 45-000-76012.0121021

SAMPLE DISPOSAL ☐ RETURN ☑ DISCARD

SUBMIT WHITE, YELLOW AND GREEN COPIES

STLCOPCB4067934

REPORT SHEET

The structure of $Br(CH_2)_5CH_3$ was confirmed by molecular weight and fragmentation pattern using both probe mass spectrometry. The material also contains a small amount of a ~~tribrom~~ dibromo species, MW = 246, and a trace of a tribromo species MW = 310. (The dibromo species apparently does have a methyl group, so might be like

$Br.CH(CH_2)_5CH_3$ or

$Br.CHCH_2 5CH_2CH_3$.)

DSW 298024

CC/MS. # 76-151

SIGNATURE Robert S. Kelly	DATE 7/19/76	NOTE BOOK

STLCOPCB4067935