GRANT RD. PROJECT (#9839)

BADGE # 7417:

8 HRS. EXPOSURE ON 11-28-89
TEMP = 60°
RH = 60%
HUMBERTO LOPEZ (# 12143)

BADGE # 7437:

8 HRS EXPOSURE ON 11-28-89
TEMP = 60°
RH = 60%
ROGER CABALLERO (# 02169)

BADGE # 7502:

8 HRS. EXPOSURE ON 11-29-89
TEMP = 60°
RH = 60%
HUMBERTO LOPEZ (# 12143)

BADGE # 7487:

8 HRS EXPOSURE ON 11-29-89
TEMP = 60°
RH = 60%
ROGER CABALLERO (# 02169)

MONITERING BADGE ANALYSIS

9024398

PERSONAL BADGE ANALYSIS

M.B.A LABS

MICROBIOLOGICAL AND BIOCHEMICAL ASSAY

LABORATORIES

P.O.BOX 9461
HOUSTON,TEXAS 77261

340 S.66 TH STREET
TEL (713) 928-2701

SAMPLE SUBMITTED BY:	RIEDEL - PETERSON
DATE RECEIVED:	11-30-89
DATE COMPLETED:	12-12-89
LABORATORY REPORT NUMBER:	J-23088-91
SAMPLE IDENTIFICATION:	4 BADGES SAMPLE#7417,7437,7487,7502

THE SAMPLES WERE ANALYZED BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY USING HEWLETT-PACKARD MODEL #5970 GC/MS SYSTEMS.

THE SAMPLES WERE PREPARED FOR ANALYSIS ACCORDING TO THE METHODS DESCRIBED IN:

40 CFR PART 136, FEDERAL REGISTER, FRIDAY, OCTOBER 26, 1984 ENVIRONMENTAL PROTECTION AGENCY, PART VIII.

SAMPLES WERE DESORBED IN CARBON DISULFIDE FOR 30 MINUTES BEFORE INJECTING INTO GC/MS FOR ANALYSIS.

THE SAMPLES WERE ANALYZED FOR THE FOLLOWING COMPOUNDS:

GC/MS SCAN

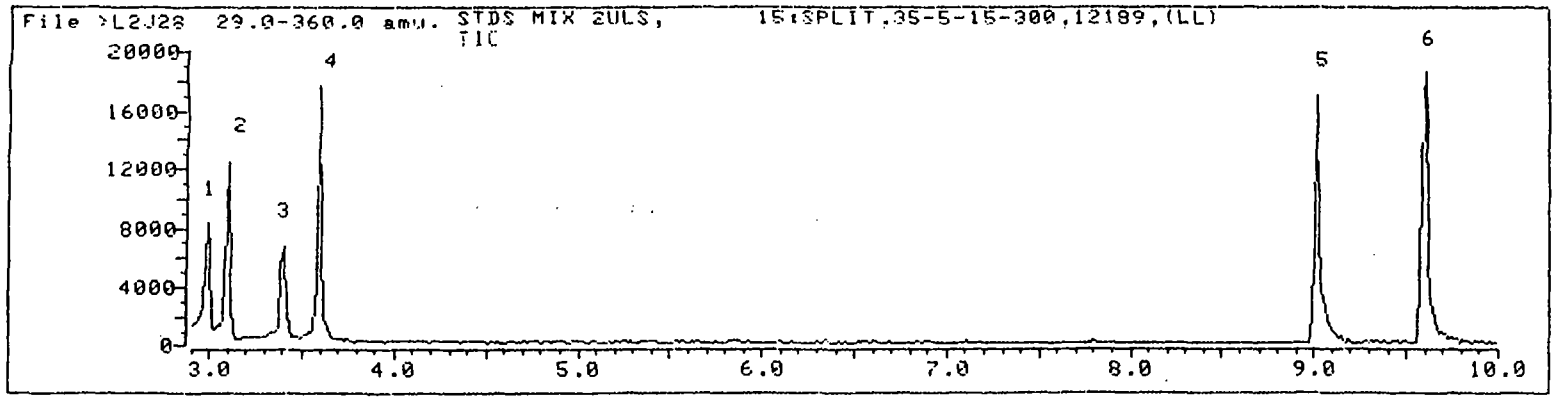
Ben Hoosman

THE GC/MS PARAMETERS WERE AS FOLLOWS:

COLUMN	25 METER FUSED SILICA CAPILLARY COATED WITH SE-30
CARRIER GAS	HELIUM @ 30 CM/SEC(0.9 ML/MIN)
INJECTOR TEMP	270 DEGREES
COLUMN TEMP	5 MINUTES @ 35 DEGREES, THEN 8 DEGREES PER MINUTE TO 300 DEGREES, HOLD AT 300 DEGREES.
INJECTION MODE	SPLIT
SPLIT RATIO	15:1
GC/MS INTERFACE	DIRECT
IONIZATION MODE	ELECTRON IMPACT
ELECTRON ENERGY	70 V
MASS RANGE SCAN	29 TO 360 AMU
SCAN TIME	0.4 SEC

COPIES OF THE TOTAL ION CHROMATOGRAMS ARE INCLUDED WITH THIS REPORT. ALL GC/MS DATA IS PERMANENTLY STORED AT MBA LABORATORIES ON MAGNETIC MEDIA.

Ben Hassanein

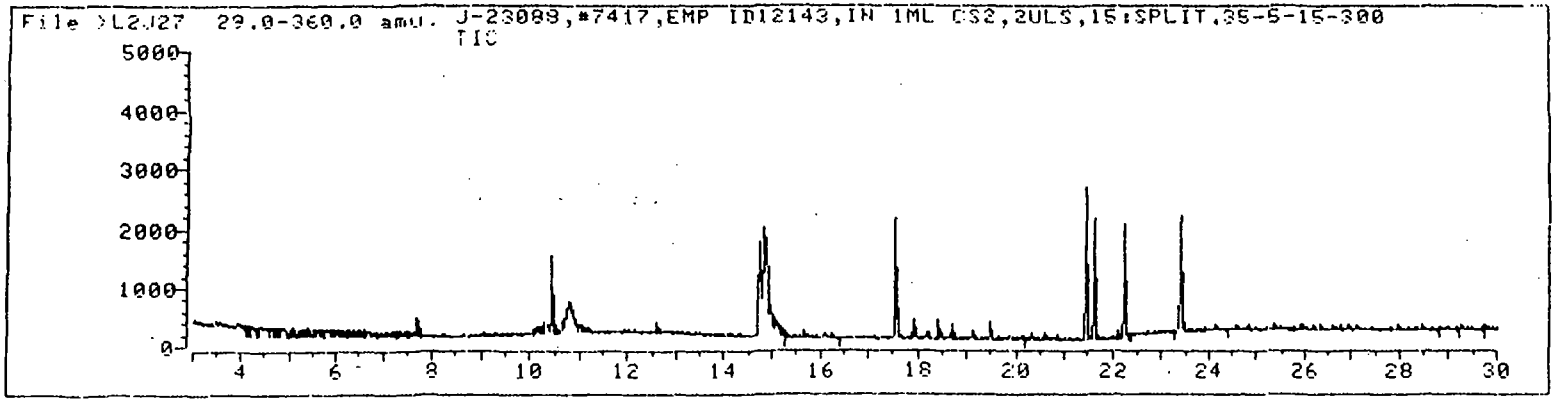


SAMPLE ID = STANDARDS MIX.

RESULTS

1. CHLOROFORM	2.98	MINS	104	NGS
2. TETRAHYDROFURAN	3.10	MINS	64	NGS
3. 1,2-DICHLOROETHANE	3.40	MINS	82	NGS
4. BENZENE	3.60	MINS	58	NGS
5. STYRENE	9.01	MINS	64	NGS
6. CUMENE	9.60	MINS	74	NGS

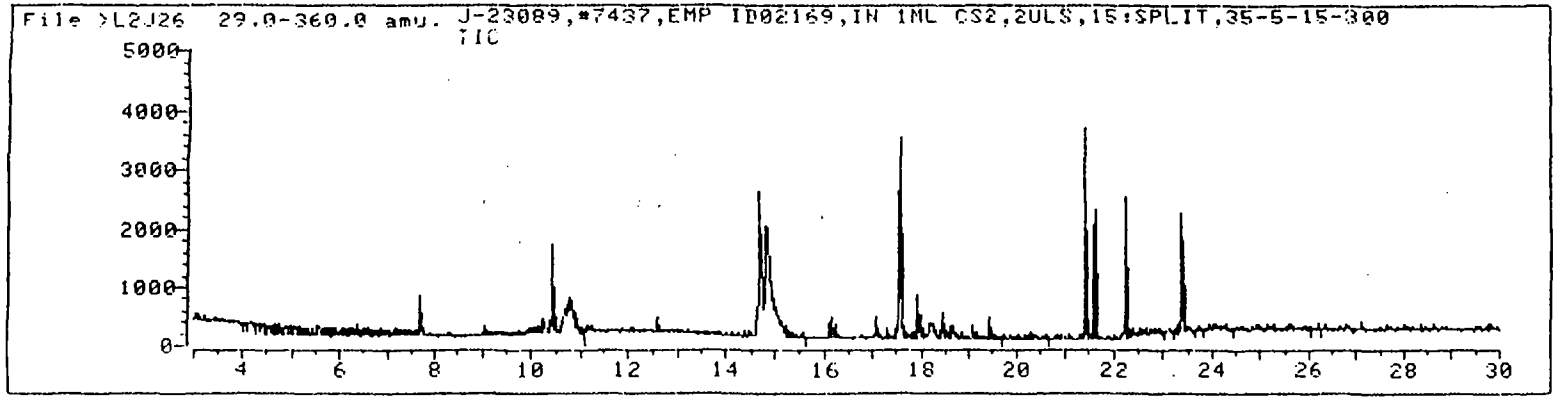
Ben Hussman



SAMPLE ID = J-23088, BADGE# 7417, EMP# 23088

RESULTS

1. PHTHALIC ANHYDRIDE		14.79	MINS	0.24	PPM
2. AROMATIC SOLVENTS	(MW=120)	10-24	MINS	0.21	PPM

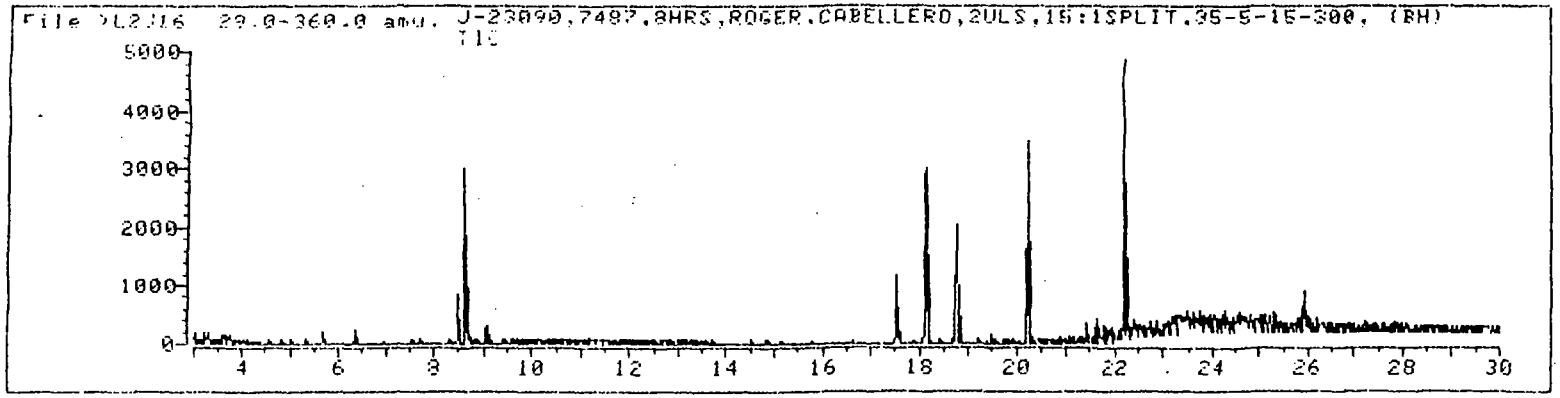


SAMPLE ID = J-23089, BADGE# 7437, EMP# 02169

RESULTS

1. PHTHALIC ANHYDRIDE		14.79	MINS	0.31	PPM
2. AROMATIC SOLVENTS	(MW=120)	10-24	MINS	0.27	PPM

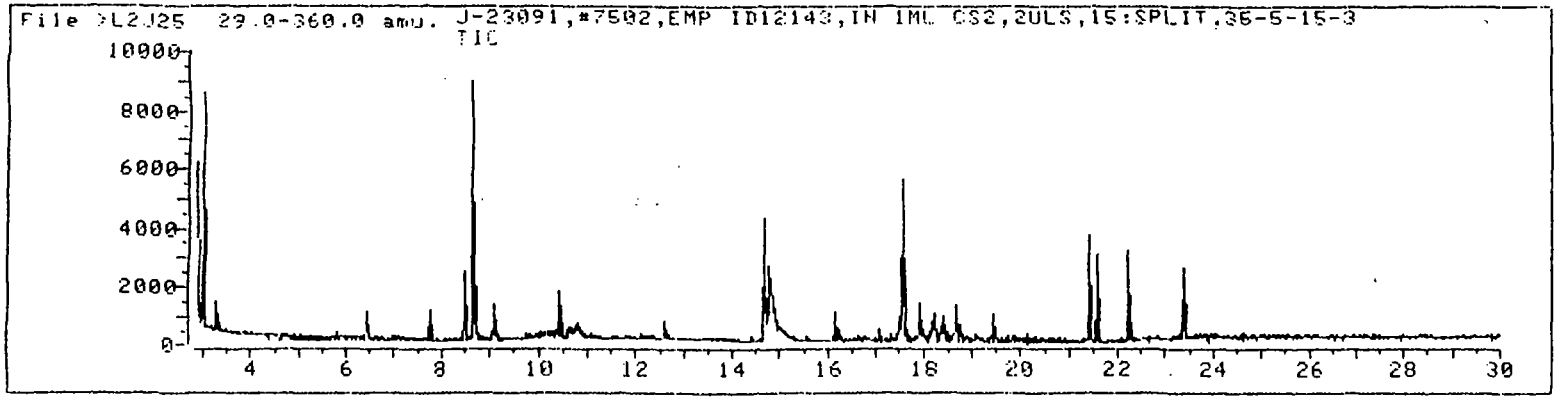
Ben Hovsamian



SAMPLE ID = J-23090, BADGE# 7487, EMP# 02169

RESULTS

1. XYLENES	8-9	MINS	0.09	PPM
2. AROMATIC SOLVENTS	17-24	MINS	0.81	PPM



SAMPLE ID = J-23091, BADGE# 7502, EMP# 12143

RESULTS

1. 3-METHYL-PENTANE	3.00	MINS	0.22	PPM
2. XYLENES	8-9	MINS	2.63	PPM
3. PHTHALIC ANHYDRIDE	14.70	MINS	2.46	PPM
4. AROMATIC SOLVENTS	17-24	MINS	0.25	PPM
5. ALIPHATIC HYDROCARBONS (C6-C8)	16-20	MINS	0.73	PPM

Ben Yosamia