15

M.B.A. LABS

MICROBIOLOGICAL AND BIOCHEMICAL ASSAY LABORATORIES

P.O. BOX 9461 340 S. 66th STREET HOUSTON, TEXAS 77261
TELEPHONE NO. (713) 928-2701

Site: St. Louis Airport
ID # MOD98 57 62 615
Page 1 of 3
Other MBA Labs

FAX TELEPHONE # 713-928-9063

DATE June 21, 1988

TO: Tom Covilli

FROM: Joe Kresse

TOTAL PAGES BEING SENT 22 (INCLUDES THIS COVER LETTER)

IF YOU DO NOT RECEIVE ALL OF THESE PAGES, PLEASE TELEPHONE US AS QUICKLY AS POSSIBLE AT 928-2701.

THANK YOU!

30285382

M.B.A. LABS

MICROBIOLOGICAL AND BIOCHEMICAL ASSAY LABORATORIES

P.O. BOX 9461 340 S. 66th STREET HOUSTON, TEXAS 77261
TELEPHONE NO. (713) 928-2701

SAMPLE SUBMITTED BY:	Allstates Environmental
DATE RECEIVED:	5-13-1988
DATE COMPLETED:	6-9-1988
LABORATORY REPORT NUMBER:	J-12403
SAMPLE IDENTIFICATION:	Sample 0509-CS

RESULTS

Phenolics	0.5 mg/kg
pH	8.30
E.P. TOX METALS	
Silver	<.1 mg/l
Arsenic	<.1 mg/l
Barium	.5 mg/l
Cadmium	<.1 mg/l
Chromium	<.1 mg/l
Lead	<.1 mg/l
Selenium	<.1 mg/l
Mercury	<0.001 mg/l
Oil & Grease	224 mg/kg
TOX	4.9 mg/kg

Reactivity

Total Available H_2S	<2 mg/kg
Total Cyanide	<0.5 mg/kg
PCB	<0.05 mg/kg
Flash Point	>140°F

Jol Krest

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:	ALLSTATE ENV.
DATE RECEIVED:	5-13-88
DATE COMPLETED:	5-25-88
LABORATORY REPORT NUMBER:	J-12403
SAMPLE IDENTIFICATION:	#0509

THE SAMPLES WERE ANALYZED BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY USING HEWLETT-PACKARD MODEL # 5970 & 5985 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.

1. VOC'S METHOD 624
2. ACID/BASE-NEUTRAL METHOD 625
3. EPA MIX PESTICIDES METHOD 625
4. PCB'S (BY G.C.)METHOD 608

THE SAMPLES WERE ANALYZED FOR THE FOLLOWING COMPOUNDS:

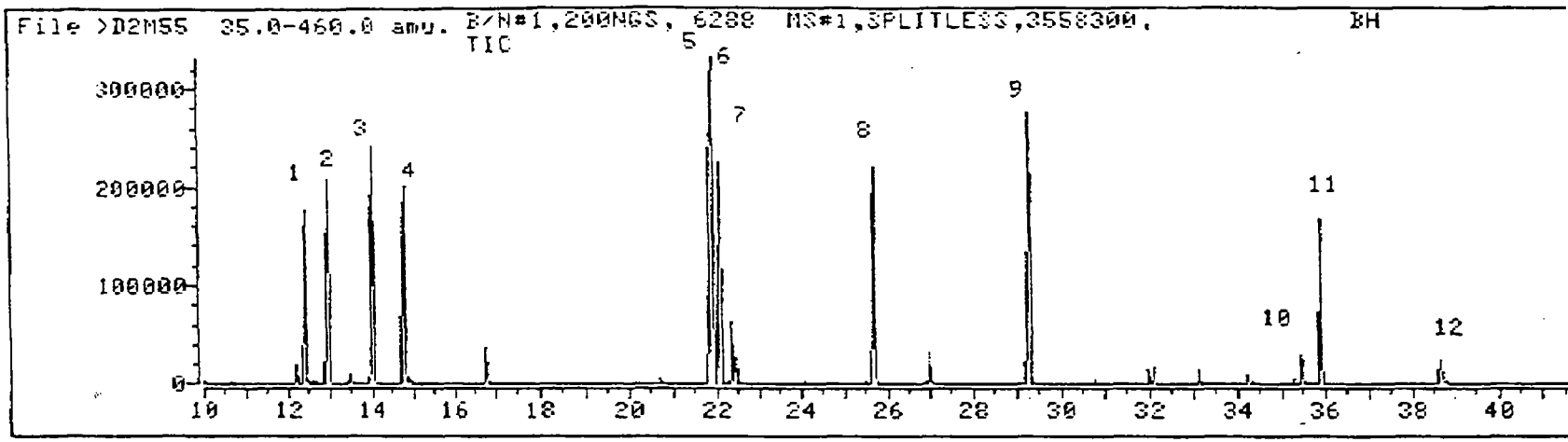
VOLATILE ORGANICS (P.P)
EPA MIX PESTICIDES
ACID/BASE-NEUTRAL EXTRACTABLES

BASE NEUTRAL/ACID EXTRACTABLES

THE GC/MS PARAMETERS WERE AS FOLLOWS:

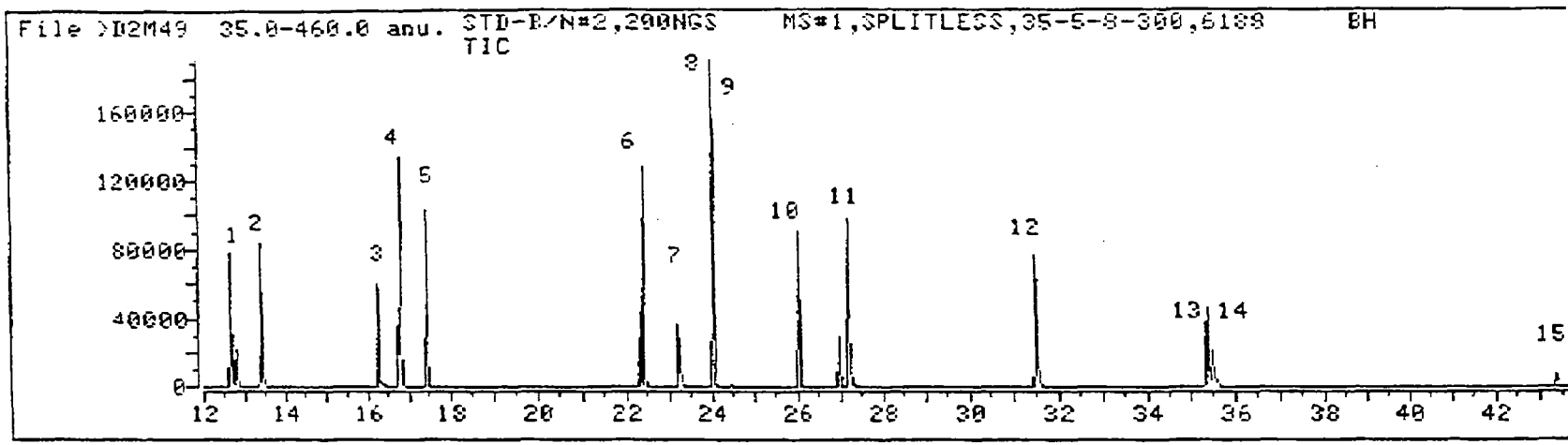
COLUMN	25 METER FUSED SILICA CAPILLARY COATED WITH SE-30
CARRIER GAS	HELIUM @ 30 CM/SEC(0.9 ML/MIN)
INJECTOR TEMP	270 DEGREES
COLUMN TEMP	5 MINUTES @ 35 DEGREES, THEN 8 DEGREES PER MINUTE TO 300 DEGREES, HOLD AT 300 DEGREES.
INJECTION MODE	SPLITLESS
SPLIT RATIO	----
GC/MS INTERFACE	DIRECT
IONIZATION MODE	ELECTRON IMPACT
ELECTRON ENERGY	70 V
MASS RANGE SCAN	35 TO 450 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.



SAMPLE ID = BASE/NEUTRAL #1

1- BIS(2-CHLOROETHHYL) ETHER
2- 1,4-DICHLOROBENZENE
3- BIS (2-CHLOROISOPROPLY) ETHER
4- NITROBENZENE
5- DIMETHYL PHTHALATE
6- ACENAPHTHYLENE
7- 2,4-DINITROTOLUENE
8- 4-BROMOPHENYL PHENYL ETHE
9- BIS(2-ETHYL HEXYL) PHTHAL
10- 3,3'-DICHLOLROBENZIDINE
11- DIOCTYL PHTHALATE
12- BENZO(B)FLUORANTHENE



SAMPLE ID = BASE/NEUTRAL #1

1- BIS(2-CHLOROETHHYL) ETHER
2- 1,4-DICHLOROBENZENE
3- BIS (2-CHLOROISOPROPLY) ETHER
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5- DIMETHYL PHTHALATE
6- ACENAPHTHYLENE
7- 2,4-DINITROTOLUENE
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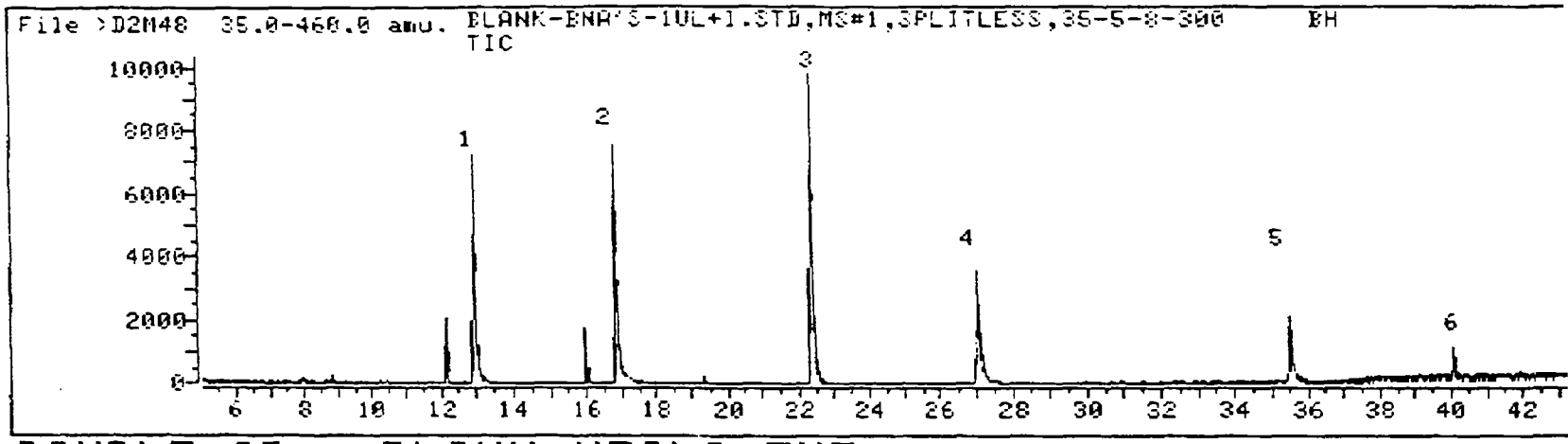
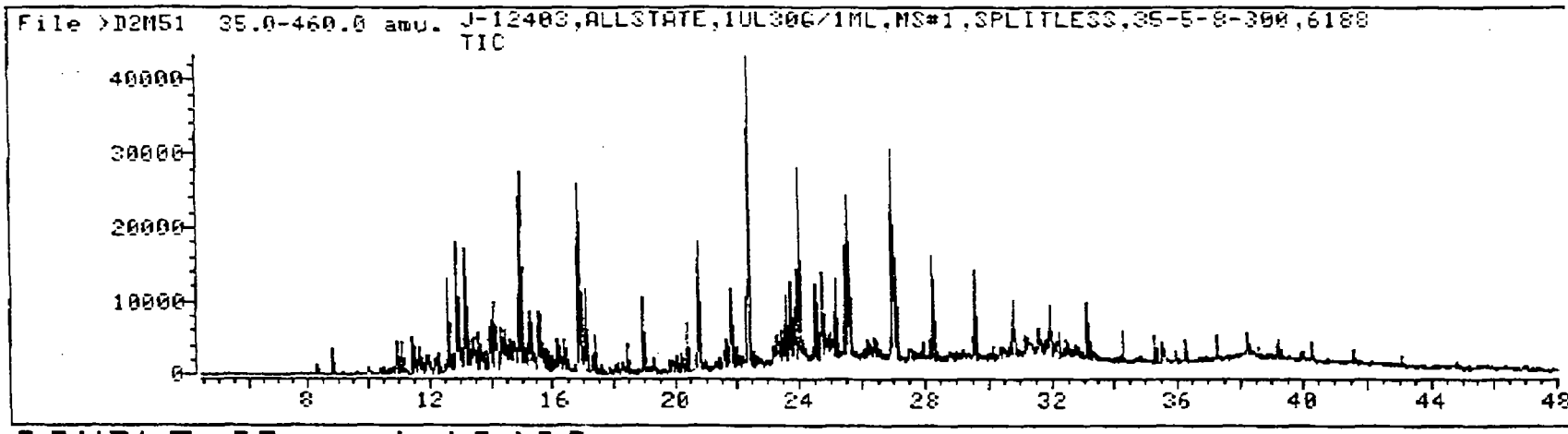


SAMPLE ID = BLANK-MECL2 EXT.

RESULTS

1. BNA'S(P.P)	NOT	FOUND	<5	UG/L

*THESE ARE INTERNAL STANDARDS.



SAMPLE ID = J-12403

RESULTS

1. BNA'S (P.P)	NOT	FOUNI	<10	UG/KG

*OTHER COMPOUNDS FOUND:

1. MID.RANGE ALIPHATICS(NAPHTHA)	11-20	MINS	9.53	MG/KG
2. HEAVY ALIPHATICS	20-48	MINS	11.48	MG/KG
3. TETRAHYDRO ,4,7-METHANO-H-INDENE	21-24	MINS	5.74	MG/KG

M E T H O D F I L E L I S T

Method file: PEST04 GC type: 5890 Run Type: SIM, GC, EI
Column: Cap Splitless: Yes

Temperature:	Inj.P	Intfc	Source
	270.0	280.0	0.0

GC/DIP		LEVEL A	LEVEL B	POST RUN
Temp 1	150.0	280.0	0.0	0.0
Time 1	4.0	3.0	0.0	0.0
Rate	8.0	0.0	0.0	
Temp 2	280.0	0.0	0.0	
Time 2	3.0	0.0	0.0	

Oven equilibration Time: 0.00 min

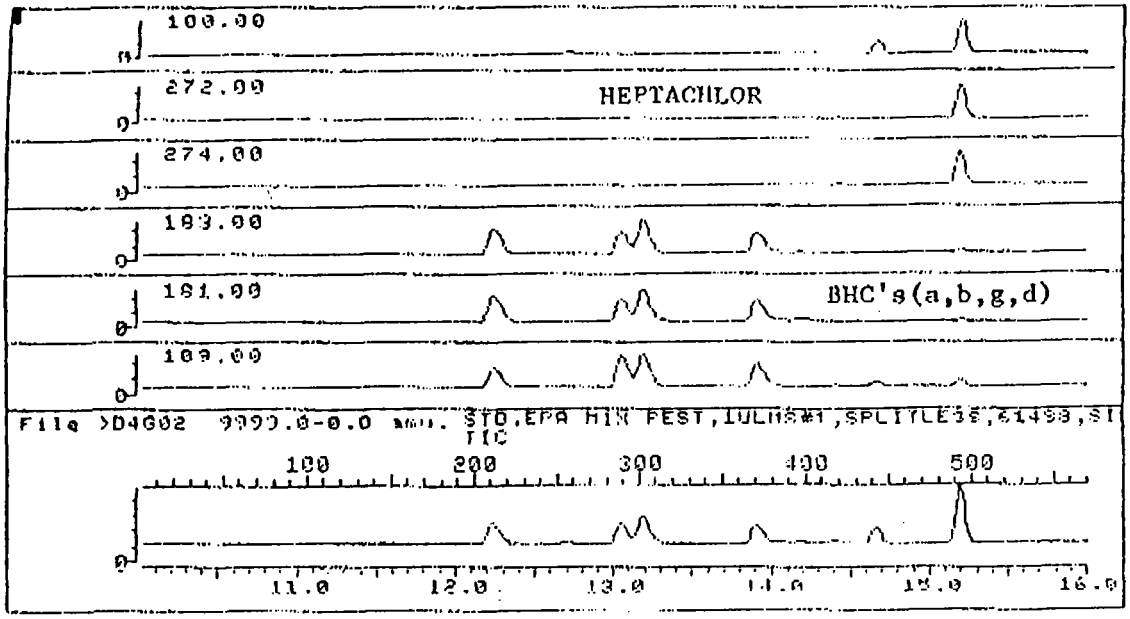
Run time: 23.00
Scan Start time: 10.00
Splitless valve time: 1.00

	ON	OFF	ON	OFF
Relay #1:	327.0	327.0	327.0	327.0
Relay #2:	327.0	327.0	327.0	327.0
Triac #0:	327.0	327.0	327.0	327.0
Triac #1:	327.0	327.0	327.0	327.0

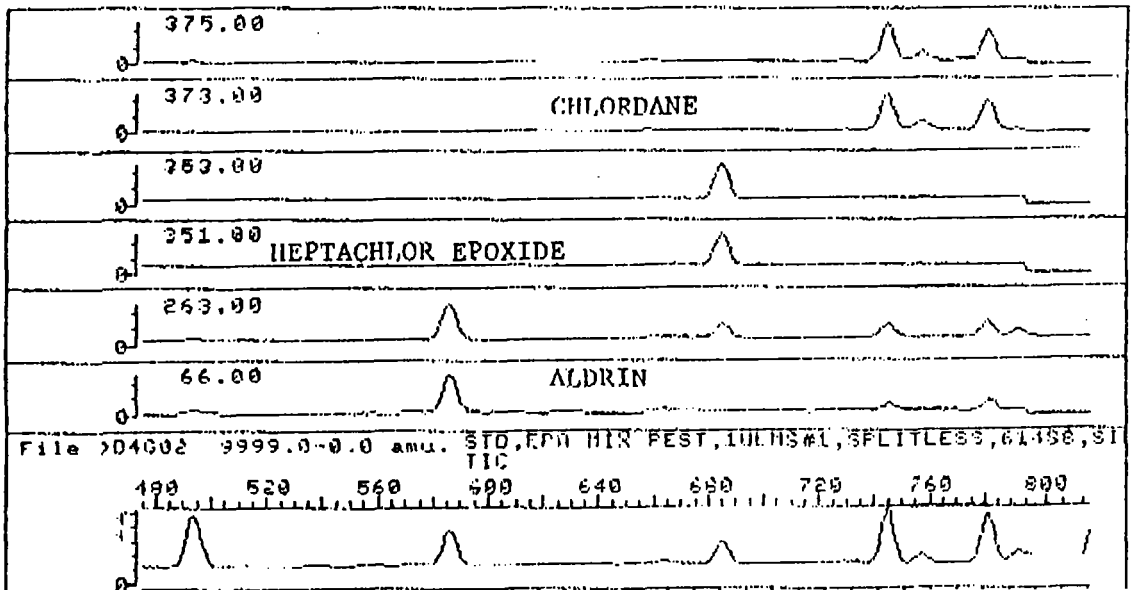
Sim Parameters: Number of groups: 2

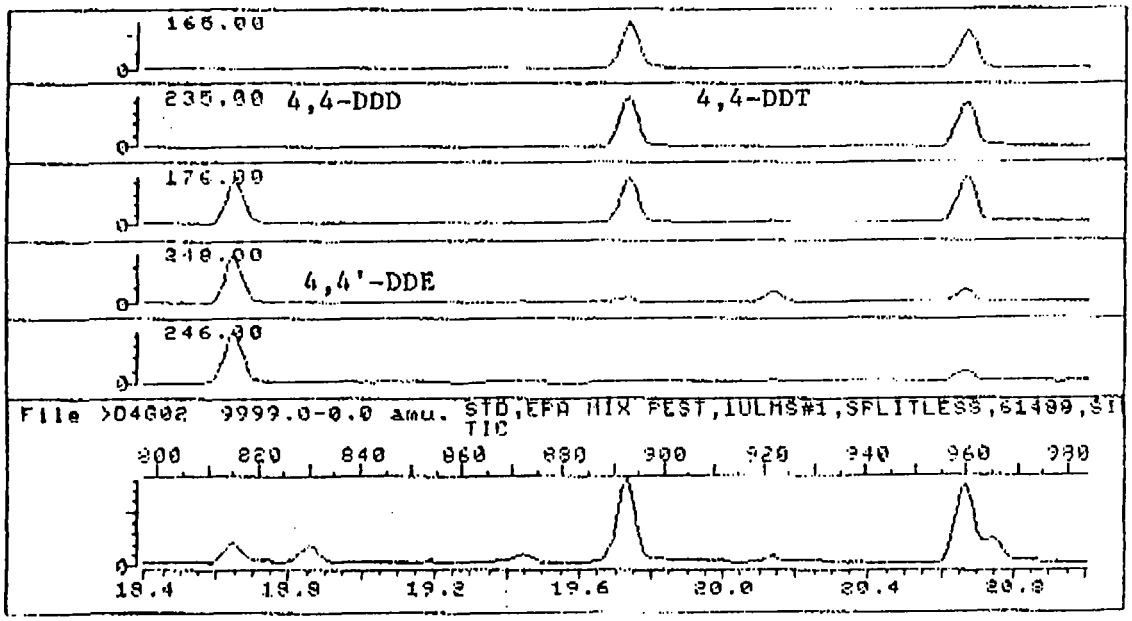
Multiplier voltage: 2300

Group 1		Group 2		Group 3		Group 4		Group 5	
Start/Stop		Start/Stop		Start/Stop		Start/Stop		Start/Stop	
10.00	18.40	18.40	23.00	0.00	0.00	0.00	0.00	0.00	0.00
M/Z	Dwell	M/Z	Dwell	M/Z	Dwell	M/Z	Dwell	M/Z	Dwell
-66.0	50	-79.0	50	0.0	0	0.0	0	0.0	0
100.0	50	159.0	50	0.0	0	0.0	0	0.0	0
109.0	50	165.0	50	0.0	0	0.0	0	0.0	0
181.0	50	176.0	50	0.0	0	0.0	0	0.0	0
183.0	50	195.0	50	0.0	0	0.0	0	0.0	0
263.0	50	201.0	50	0.0	0	0.0	0	0.0	0
272.0	50	235.0	50	0.0	0	0.0	0	0.0	0
274.0	50	246.0	50	0.0	0	0.0	0	0.0	0
351.0	50	248.0	50	0.0	0	0.0	0	0.0	0
353.0	50	261.0	50	0.0	0	0.0	0	0.0	0
355.0	50	-263.0	50	0.0	0	0.0	0	0.0	0

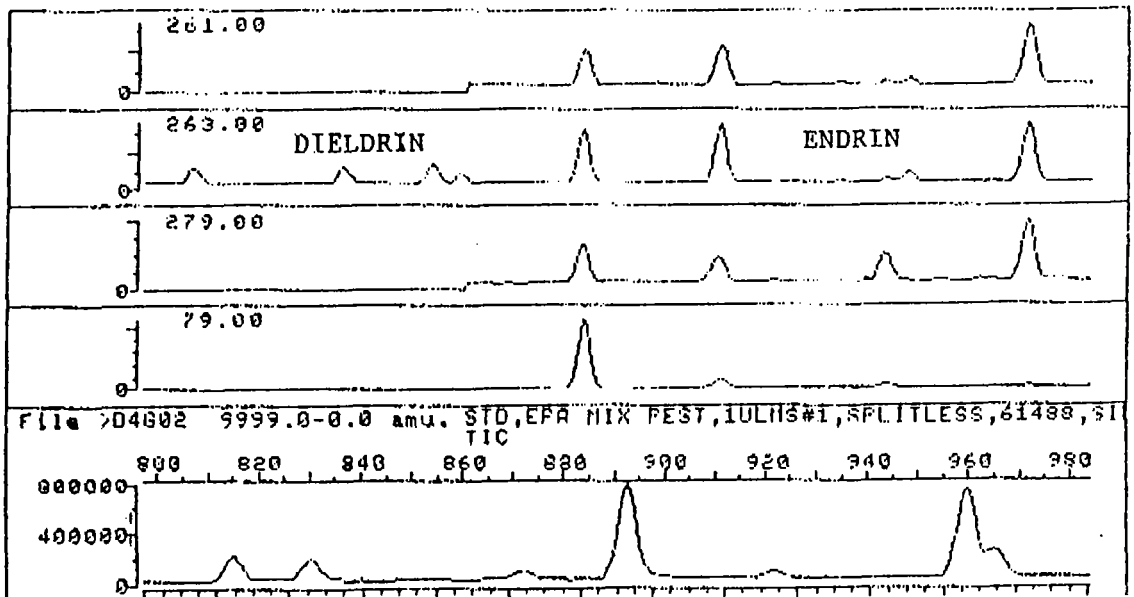


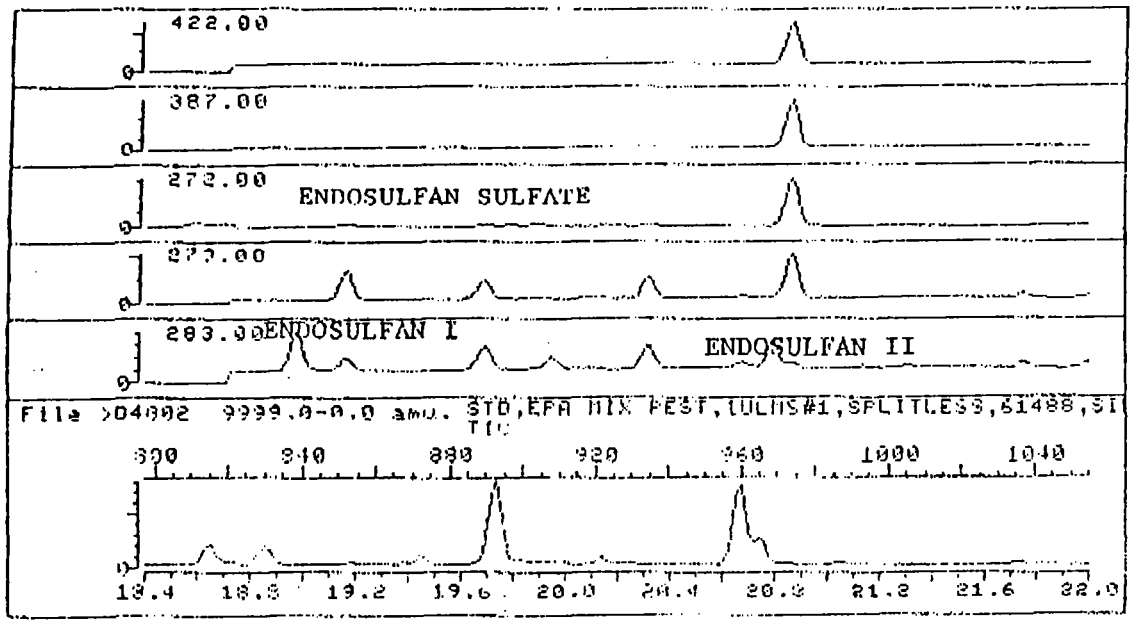
EPA MIX STANDARDS (pg-1)



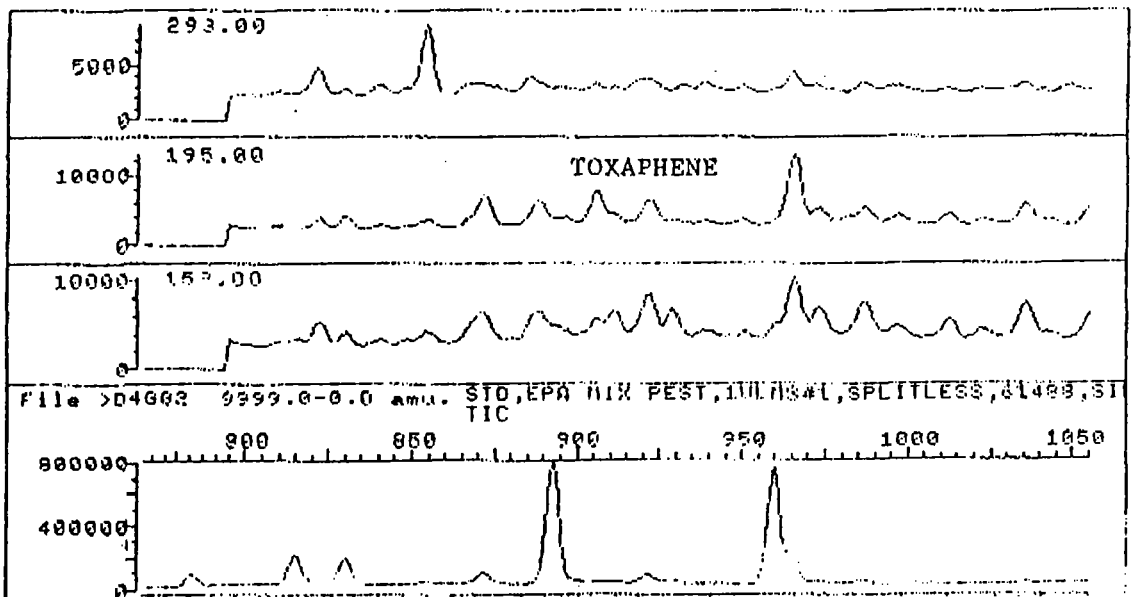


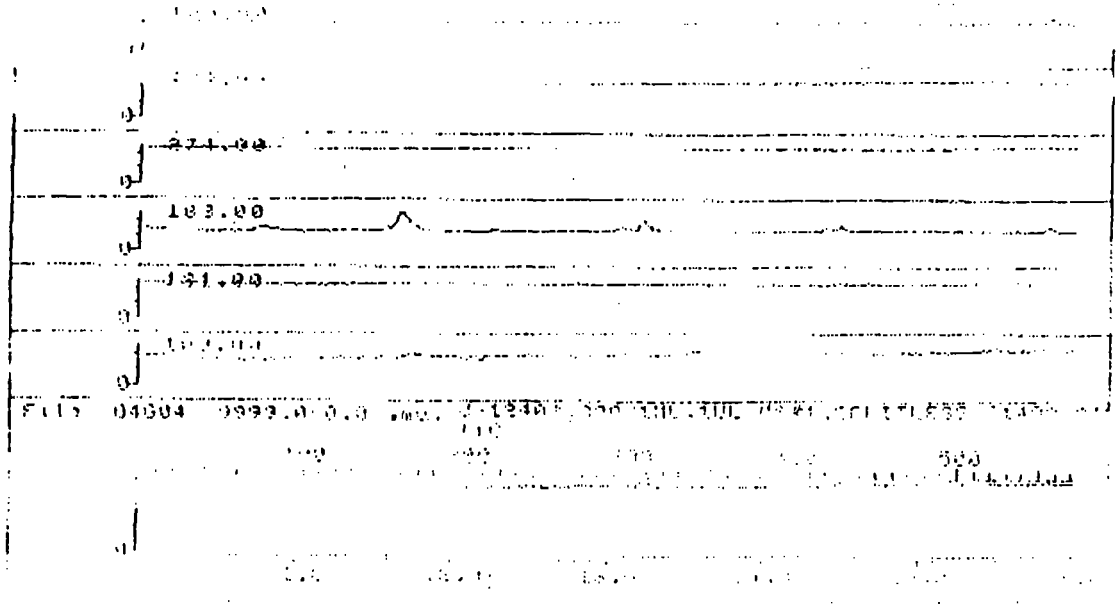
EPA MIX PESTICIDES STANDARD (page 2)



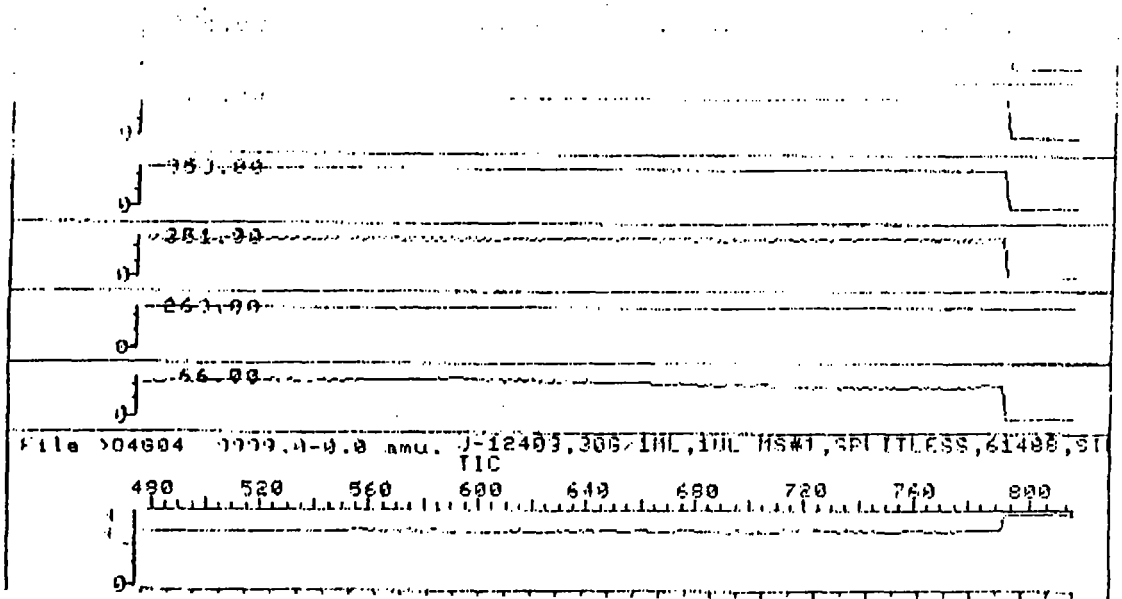


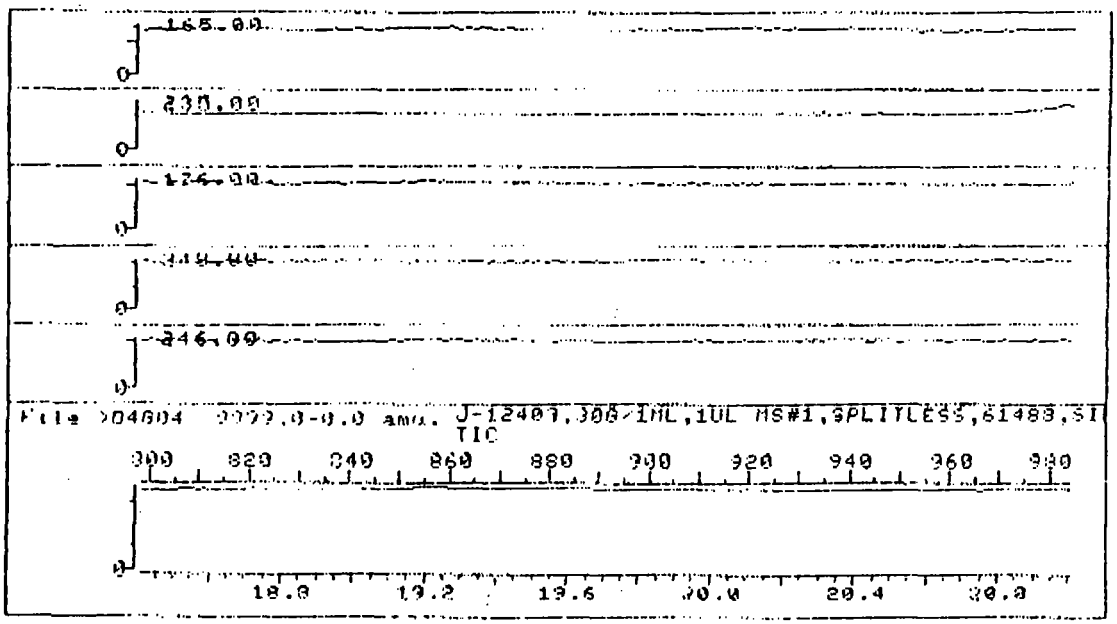
EPA MIX PESTICIDES STANDARD. (page 3)



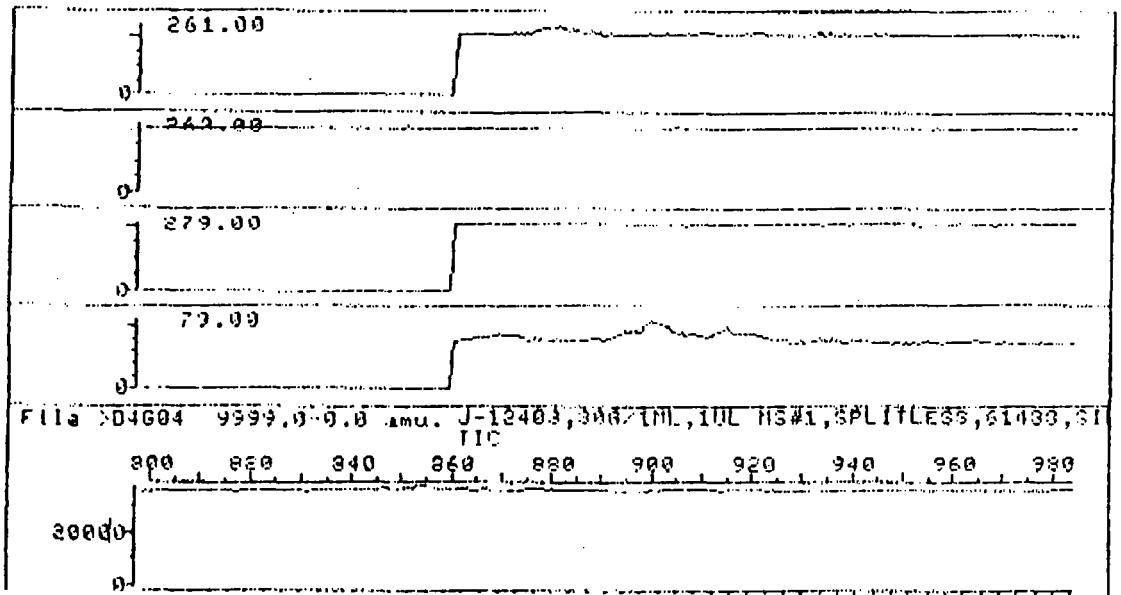


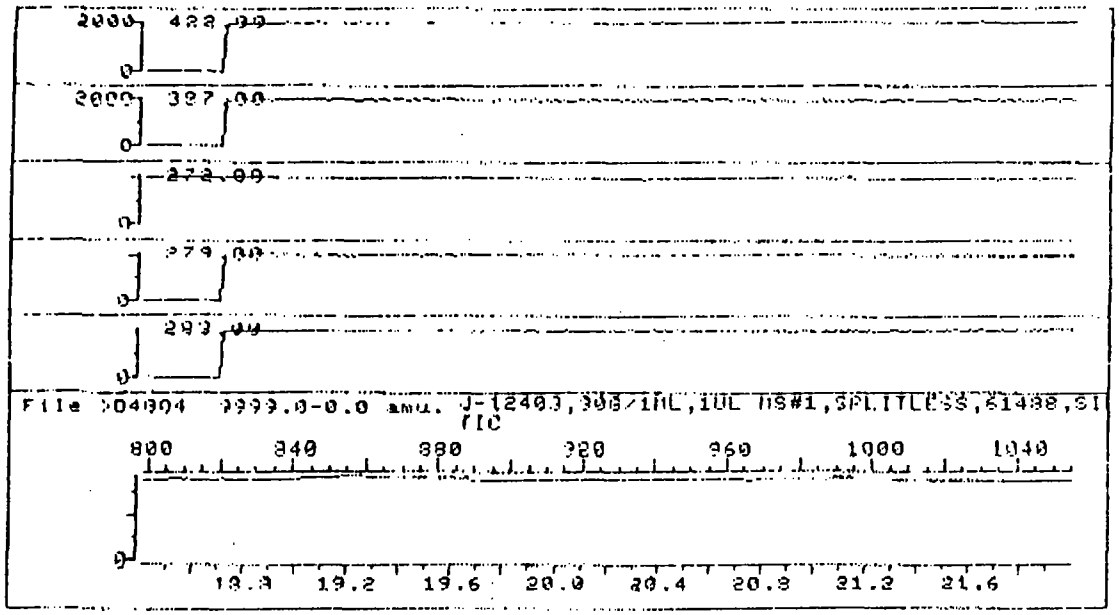
SAMPLE ID =J-12403,pesticides (page 1)



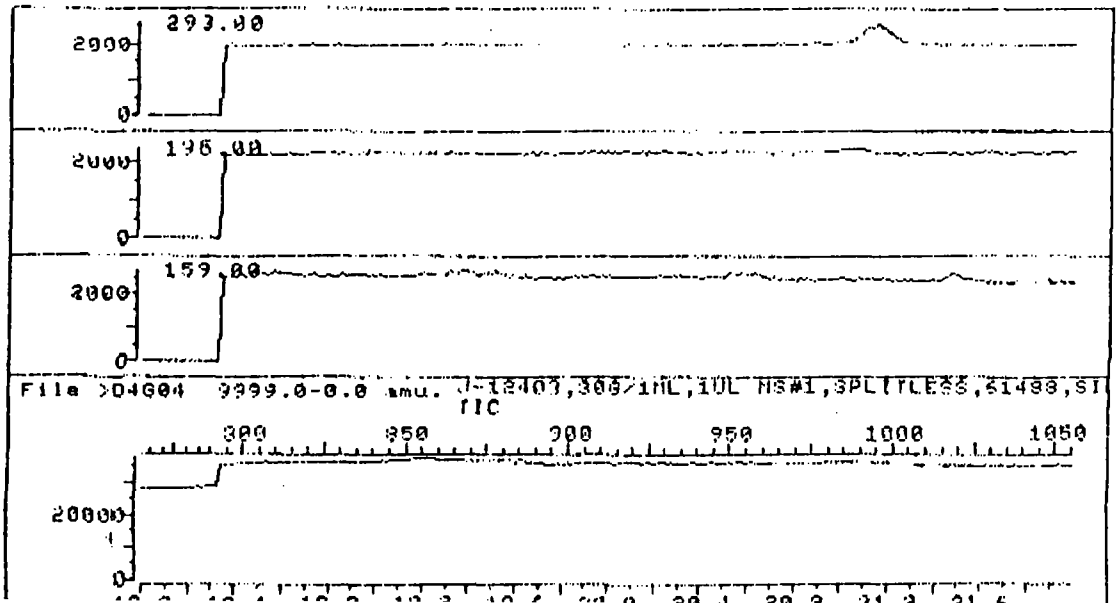


SAMPLE ID =J-12403,PESTICIDES (page 2)





SAMPLE ID =J-12403,PESTICIDES (page 3)



X PESTICIDES

I D= J-12323

RESULTS

C'S(a,b,g,d)	NOT	FOUND	<0.05	MG/KG
PTACHLOR	NOT	FOUND	<0.05	MG/KG
DRIN	NOT	FOUND	<0.05	MG/KG
PTACHLOR EPOXIDE	NOT	FOUND	<0.05	MG/KG
ELDRIN	NOT	FOUND	<0.05	MG/KG
DRIN	NOT	FOUND	<0.05	MG/KG
DOSULFAN I	NOT	FOUND	<0.05	MG/KG
DOSULFAN II	NOT	FOUND	<0.05	MG/KG
4'-DDE	NOT	FOUND	<0.05	MG/KG
4'-DDD	NOT	FOUND	<0.05	MG/KG
4'-DDT	NOT	FOUND	<0.05	MG/KG
XAPHENE	NOT	FOUND	<0.50	MG/KG
B'S(BY GC)	NOT	FOUND	<0.05	MG/KG

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: ALLSTATES ENV.

DATE RECEIVED: 5-13-88

DATE COMPLETED: 5-25-88

LABORATORY REPORT NUMBER: J-12403

SAMPLE IDENTIFICATION: #0509-CS

THE SAMPLES WERE ANALYZED BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY USING HEWLETT-PACKARD MODEL #5985 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.

1. VOC'S METHOD 624

THE SAMPLES WERE ANALYZED FOR THE FOLLOWING COMPOUNDS:

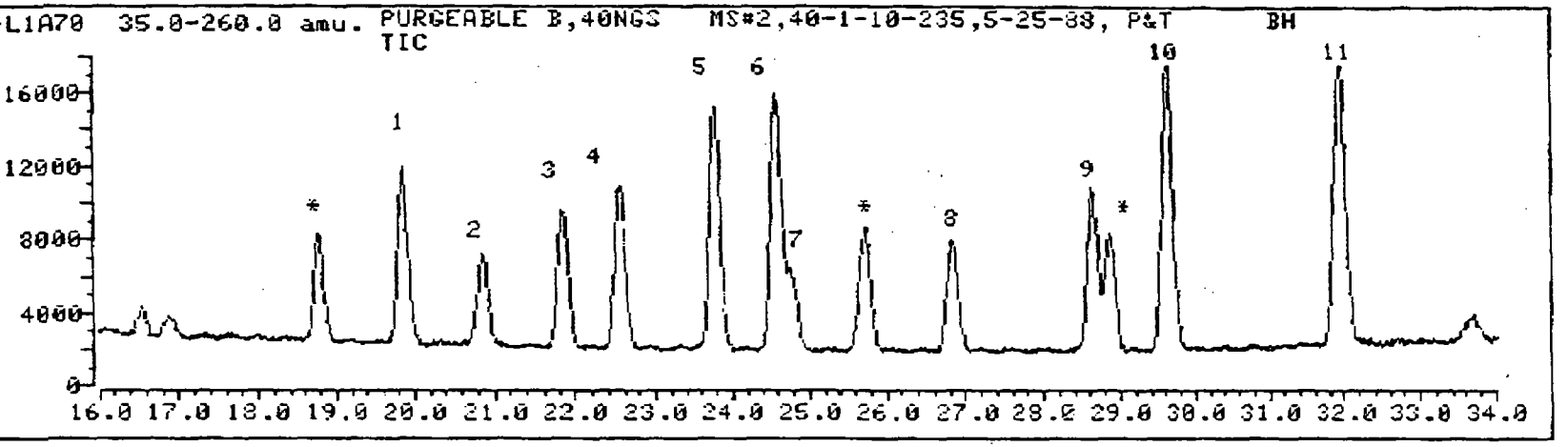
VOLATILE ORGANICS (P.P)

THE GC/MS PARAMETERS WERE AS FOLLOWS

PURGE GAS	HELIUM @ 20 MLS/MIN
PURGE TIME	12 MINUTES
DESORB TIME	04 MINUTES
DESORB TEMP	180 DEGREES
COLUMN	1% SP-1000 ON CARBOPACK B, 60/80 MESH 1/4 INCH X 6 FEED ,PYREX
CARRIER GAS	HELIUM @ 20 CM/SEC (0.9 ML/MIN)
INJECTION TEMP	180 DEGREES
	50 DEGREES FOR 1 MINS, THEN 10 DEGREES PER MINUTES TO 220 DEGREES, HOLD 15 MINS
GC/MS INTERFACE	MOLECULLAR JET SEPARATOR
MASS RANGE	33 TO 260
SCAN TIME	0.9 SEC
IONIZATION MODE	ELECTRON IMPACT
ELECTRON ENERGY	70 V

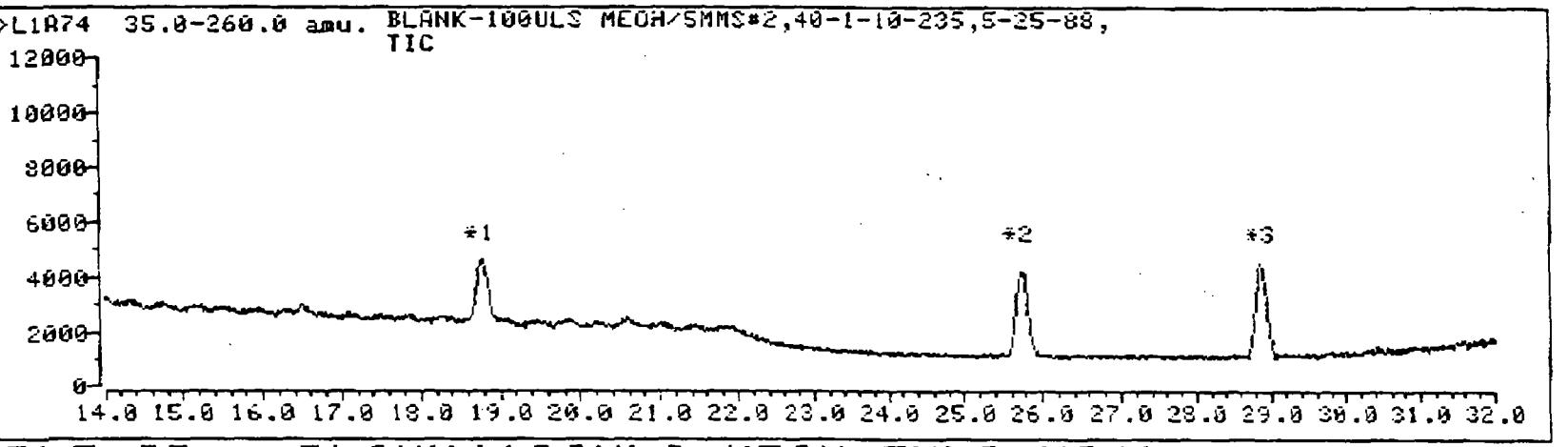
COPIES OF THE TOTAL ION CHROMATOGRAMS ARE INCLUDED WITH THIS REPORT. ALL GC/MS DATA IS PERMANENTLY STORED AT MBA LABORATORIES ON MAGNETIC TAPE.

Ben Hassanian



PLE ID = STANDARD PURGEABLE B

- 1,2-DICHLOROETHENE
- 1,2-DICHLOROETHANE
- 1,1,1-TRICHLOROETHANE
- BROMODICHLOROMETHANE
- TRANS-1,3-DICHLOROPROPENE
- BENZENE
- CIS-1,3-DICHLOROPROPENE
- BROMOFORM
- 1,1,2,2-TETRACHLOROETHANE
- TOLUENE
- ETHYLBENZENE
- * THESE ARE INTERNAL STANDARDS.



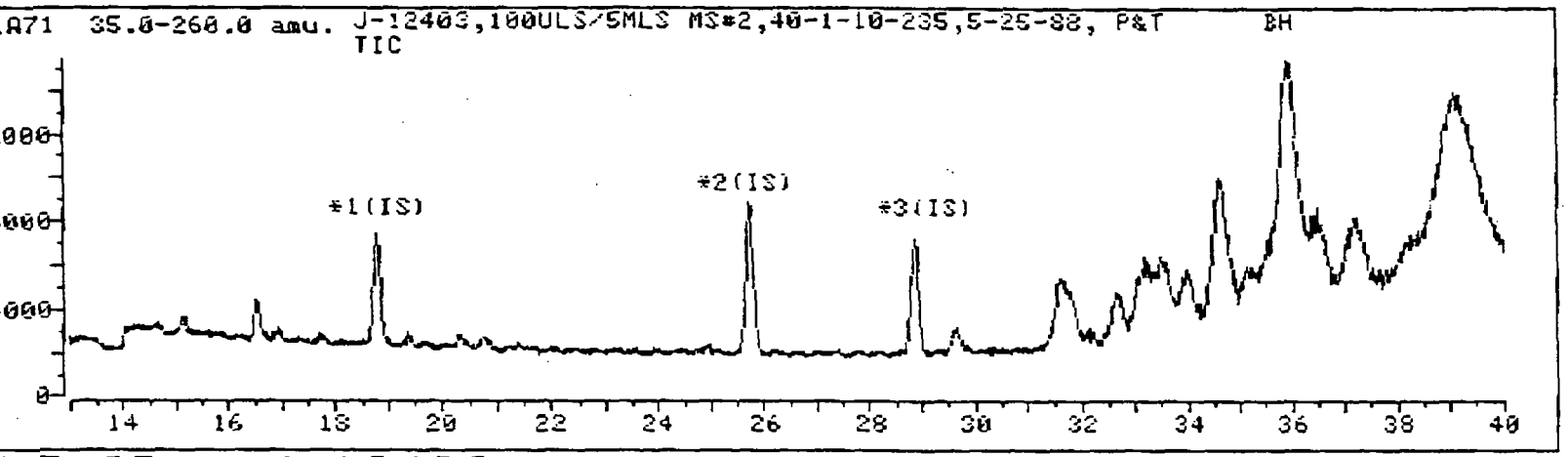
PLE ID = BLANK(100ULS MEOH/5MLS H2O)

RESULTS

1- VOA'S(P.P)	NOT FOUND	<10	UG/KG

ARE INTERNAL STANDARDS.

1. BROMOCHLOROMETHANE
2. 2-BROMO-1-CHLOROPROPANE
3. 1,4-DICHLOROBUTANE



LE ID = J-12403

RESULTS

1- VOLATILE ORGANICS(P.P)	NOT	FOUND	<20	UG/KG
COMPOUNDS FOUND:				
. ALIPHATICS	30-40	MINS	1392	UG/KG

RE INTERNAL STANDARDS.

9

Site: St. Louis Airport
ID #: MOD985716615
Brch: 63
EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
726 MINNESOTA AVENUE
KANSAS CITY, KANSAS 66101

RECEIVED
JUN 07 1988
CMPL SECTION

07 JUN 1988

MEMORANDUM

SUBJECT: St. Louis Airport Drum Site

FROM: per William L. Brinck
Senior Nuclear Engineer

Carl M. Walter

TO: John Chen
Superfund

Radiological data on samples taken from the subject site were reviewed at your request.

There are numerous questions regarding the collection and analysis of the samples. These questions have been related to you on a marked-up copy of the data. Because of these questions, I feel that the data can only be used to qualitatively assess the site.

The data does not indicate that the site has significant contamination by radionuclides. The sludge sample shows levels of radium and thorium at about 10% of the soil concentrations reported. The water samples, while indicating concentrations of radioactivity above the drinking water standard, are well below the levels in the soil. The radium and thorium levels in the water may be attributable to sediment in the water. This cannot be checked unless the sampling and analytical procedures are available.

Based on the data available, even with its obvious flaws, it appears that the samples represent only natural radioactivity from the soil at the site and do not represent radioactive contamination.

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St. Louis Airport Drum Site
Radiological Data

Sample No.	Sample Type	Radium 226	Thorium 232	Uranium 238	Sample Desc.
AA12493/MC A02050688	Pit sludge	120 +/- 40 pCi/l	180 +/- 40 pCi/l		
mca01908sw	Pit water	30 +/- 10 pCi/l	75 +/- 20 pCi/l	< 165 pCi/l	
AA12478/MC A005-01B	SOIL	1.0 +/- 0.1 pCi/g	1.1 +/- 0.2 pCi/g	<3.4 pCi/g	Soil/spoils pile from above drum level, on west side
AA12479/MC A006-02A	Soil ?	0.7 +/- 0.1 pCi/l	0.8 +/- 0.1 pCi/gm	<3.9 pCi/l	
AA12480/MC A007-02B	Soil	0.7 +/- 0.1 pCi/l	0.7 +/- 0.1 pCi/gm	<4.1 pCi/l	soil/soils pile from interrmediate level below drums, north side
AA12481/MC A004-01A	Soil	1.2 +/- 0.2 pCi/l	1.3 +/- 0.2 pCi/gm	<2.8 pCi/l	Soil/spoils pile from above drum level, on west side 0-6"
AA12482/MC A008-03A	Soil	1.0 +/- 0.1 pCi/l	1.3 +/- 0.2 pCi/g	<4.3 pCi/l	Soil/spoils pile final level below drum, west side 0-6 "
AA12483/MC A009-03B	soil	1.0 +/- 0.1	1.2 +/- 0.2	< 4.5	Soil/spoils pile final level below drums, north side 12-18 "
AA12484/MC A010-04A	soil	1.0 +/- 0.1	0.8 +/- 0.1	< 4.3	soil/spoils pile final level below drums, east side 0-6 "
AA12485/MC A011-04B	soil	1.1 +/- 0.2	0.9 +/- 0.1	< 4.2	spoils pile final level below drums,

St. Louis Airport Drum Site
Radiological Data

Sample No.	Sample Type	Radium 226	Thorium 232	Uranium 238	Sample Desc.
AA12487/MC A013-05B	soil	0.9 +/- 0.1	1.2 +/- 0.2	<5.0	spoils pile of truck bed, south side 12-18 "
AA12488/MC A014-06A	soil	1.1 +/- 0.2	1.1 +/- 0.2	<3.2	Approx. 21 feet west of E2750, N2750 0-6 "
AA12489/MC A015-06B	Soil	0.9 +/- 0.1	1.1 +/- 0.2	none	Approx. 21 feet west of E2750, N2750 6-12 "
AA12490/MC A016-06C	Soil	0.8 +/- 0.1	0.9 +/- 0.2	< 6.3	Approx 21 feet west of E2750, N2750 12-18 "
AA12491/MC A017-07A	Soil	1.1 +/- 0.2	1.1 +/- 0.2	< 3.3	Approx. 20 feet west of second sump pond 0-6 "
AA12492/MC A018-07B	soil	1.3 +/- 0.2	1.6 +/- 0.2	< 1.4	Approx. 20 feet west of second sump pump 6-12 "

3.

metaTRACE, Inc. 13715 Rider Trail North • Earth City, MO 63045 • (314) 298-8566

St. Louis Airport
MOD985767615
1.3
Metatrace

May 18, 1988

Mr. Chris Alston
R.M. Wester and Associates
215 Indacom Drive
St. Peters, MO 63376

Dear Mr. Alton:

Enclosed are the radiological results for the samples from the MCA Site. All results are in units of picoCuries per gram (pCi/g) on a dry weight basis for soils, and picoCuries per Liter (pCi/L) for the water and sludge samples. Values for percent moisture are also enclosed.

We routinely perform isotopic analyses for radionuclides in the Uranium and Thorium series by chemical separation and either alpha spectrometry or gas proportional counting. Time permitting, that is the method of choice. Due to your requirement for a quick turn-around, we used the alternate methodology of gamma spectrometry for these samples. As we discussed, this method measures the photon emission of the progeny of the nuclides of interest and assumes an equilibrium condition, an assumption which is not always appropriate.

We normally take more time to dry, grind and homogenize soil samples then we were able to with these samples. This type of preparation adds uncertainty due to an inexact duplication of the condition for which a counting geometry has been established.

I urge you to consider having these analyses confirmed using the radiochemical methods mentioned above. If you have any further questions please contact me directly.

Sincerely,

Patrick T. Kelly

Patrick T. Kelly
Program Manager

metaTRACE, Inc. 13715 Rider Trail North • Earth City, MO 63045 • (314) 298-8566

We have no information as to data quality from this lab. Do They participate in "EPA QA program"?
(MSL, Las Vegas: - EPA Cross Check Program.)

RADIOLOGICAL RESULTS FOR SLUDGE SAMPLE
All values are pico Curies per Liter (pCi/L)

metaTRACE#/RMW ID	Ra-226	Th-232
AA12493/MCA02050688	120 +/- 40	180 +/- 40

~180 pCi/l

Counting time?

This sample was analyzed using an intrinsic germanium photon detection system. No other photon emitting radionuclides were detected except K-40 and Ra-228 which are not quantified for this report. The correction and calibration factors used were those for a water sample, although it contained an undetermined amount of solid matter. It would be more accurate to analyze this sample by separating the liquid and solid phases, and analyze each separately.

from below, Ra-228 is important.

This is absolutely correct.

We are concerned about solid phase, for disposal. Liquids are not allowed in RCRA disposal sites. Only one sample? Where collected? Is it representative?

PRELIMINARY DATA

RADIOLOGICAL RESULTS FOR WATER SAMPLE #MCA 01908SW

Not Filtered

Radium 226	30 +/- 10 picoCuries per gram
Radium 228	61 +/- 18 picoCuries per gram
Uranium 238	< 165 picoCuries per gram
Thorium 232	75 +/- 20 picoCuries per gram

liter? - yes

This mistake brings lab qualification into question.

This sample was counted for ~1000 minutes using an intrinsic germanium photon detection system. These data should be considered preliminary results.

Only one sample? Where collected? How collected and preserved? Was sample filtered to remove solids? [illegible]

metaTRACE, Inc. 13715 Rider Trail North • Earth City, MO 63045 • (314) 298-8566

RADIOLOGICAL RESULTS FOR SOIL SAMPLES
All Values are picoCuries per gram (pCi/g)

metaTRACE #/RMW ID	Ra-226	Th-232	U-238
AA12478/MCA005-01B	1.0 +/- 0.1	1.1 +/- 0.2	<3.4
AA12479/MCA006-02A	0.7 +/- 0.1	0.8 +/- 0.1	<3.9
AA12480/MCA007-02B	0.7 +/- 0.1	0.7 +/- 0.1	<4.1
AA12481/MCA004-01A	1.2 +/- 0.2	1.3 +/- 0.2	<2.8
AA12482/MCA008-03A	1.0 +/- 0.1	1.3 +/- 0.2	<4.3
AA12483/MCA009-03B	1.0 +/- 0.1	1.2 +/- 0.2	<4.5
AA12484/MCA010-04A	1.0 +/- 0.1	0.8 +/- 0.1	<4.3
AA12485/MCA011-04B	1.1 +/- 0.2	0.9 +/- 0.1	<4.2
AA12486/MCA012-05A	1.0 +/- 0.1	1.1 +/- 0.2	<1.0
AA12487/MCA013-05B	0.9 +/- 0.1	1.2 +/- 0.2	<5.0
AA12488/MCA014-06A	1.1 +/- 0.2	1.1 +/- 0.2	<3.2
AA12489/MCA015-06B	0.9 +/- 0.1	1.1 +/- 0.2	*
AA12490/MCA016-06C	0.8 +/- 0.1	0.9 +/- 0.2	<6.3
AA12491/MCA017-07A	1.1 +/- 0.2	1.1 +/- 0.2	<3.3
AA12492/MCA018-07B	1.3 +/- 0.2	1.6 +/- 0.2	<1.4
AA12489/MCA015-06B*	U-238 results are 1.5 +/- 0.2 pCi/g		
AA12486/MCA012-05A	Th-230 results are <11 pCi/g		
AA12492/MCA018-07B	Th-230 results are <14 pCi/g		

All in range of normal background soils.

Note that these concentrations are greater than that detected in the "sludge" and "water" samples.

All samples were air dried until dry to the discretion of the radiochemistry analyst. The samples were then packed into cans and counted using an intrinsic germanium photon detection system until enough information was available to

Good procedures leave nothing

5/16/88

Verbal

15 SOIL SAMPLES - WESTER - MetaTrace, Inc:

Telecon from Alston says highest level is 1.5 picocuries/gm.

Represents typical background.

MIDCOAST

5/17/88

Levels Detected:

① Ra 226 120 pico C/L

② Th 232 180 pico C/L

In "sludge": Question these results

— per Westin and Associates on 5/10/88 (Tues)

— Verbal — Chris Alston

~~[illegible]~~ Conversion &

① Ra 226 120 pico/L = pico/gm →

No!

$120\ pC/\ell \times \frac{10^{-3}\ \ell}{gm}$ (assume density = 1)

$= 0.120\ pC/gm.$

$120\ pico/L \times \left(\frac{3.78\ L}{1\ Gal}\right)\left(\frac{1\ gal}{8.33\ lbs}\right)\left(\frac{1\ lb}{454\ gm}\right)$

$= 0.1199$ pico curies/gram

Someone is confused here.

DOT "Radioactive material" = specified under 49 CFR 173.403(y)

= specific activity > 0.002 picocuries/gm or 2000 picocuries/gm

② Th 232 180 pico C/L

$180\ pico\ C/L \left(\frac{3.78\ L}{1\ Gal}\right)\left(\frac{1\ Gal}{8.33\ lbs}\right)\left(\frac{lb}{454\ g}\right) = 0.1799$ pico

raddata

06/07/88

St. Louis Airport Drum Site
Radiological Data

Sample No.	Sample Type	Radium 226	Thorium 232	Uranium 238
AA12493/MC A02050688	Pit sludge	120 +/- 40 pCi/l	180 +/- 40 pCi/l	
mca01908sw	Pit water	30 +/- 10 pCi/l	75 +/- 20 pCi/l	< 165 pCi/l
AA12478/MC A005-01B	SOIL	1.0 +/- 0.1 pCi/g	1.1 +/- 0.2 pCi/g	<3.4 pCi/g
AA12479/MC A006-02A	Soil ?	0.7 +/- 0.1 pCi/l	0.8 +/- 0.1 pCi/~~l~~ g	<3.9 pCi/~~l~~ g
AA12480/MC A007-02B	Soil	0.7 +/- 0.1 pCi/l	0.7 +/- 0.1 pCi/~~l~~	<4.1 pCi/l
AA12481/MC A004-01A	Soil	1.2 +/- 0.2 pCi/l	1.3 +/- 0.2 pCi/l	<2.8 pCi/l
AA12482/MC A008-03A	Soil	1.0 +/- 0.1 pCi/l	1.3 +/- 0.2 pCi/~~l~~	<4.3 pCi/l
AA12483/MC A009-03B	soil	1.0 +/- 0.1	1.2 +/- 0.2	< 4.5
AA12484/MC A010-04A	soil	1.0 +/- 0.1	0.8 +/- 0.1	< 4.3
AA12485/MC A011-04B	soil	1.1 +/- 0.2	0.9 +/- 0.1	< 4.2
AA12486/MC A012-05A	soil	1.0 +/- 0.1	1.1 +/- 0.2	<1.0
AA12487/MC A013-05B	soil	0.9 +/- 0.1	1.2 +/- 0.2	<5.0
AA12488/MC A014-06A	soil	1.1 +/- 0.2	1.1 +/- 0.2	<3.2
AA12489/MC A015-06B	Soil	0.9 +/- 0.1	1.1 +/- 0.2	none
AA12490/MC A016-06C	Soil	0.8 +/- 0.1	0.9 +/- 0.2	< 6.3

Structure for database: A:drumsite.dbf
Number of data records: 18
Date of last update : 06/07/88

Field	Field Name	Type	Width	Dec
1	SAMPLEDESC	Character	75	
2	SAMPLE_NO	Character	30	
3	DATE_COLCT	Date	8	
4	COLTD_BY	Character	15	
5	SAMPLE_TYP	Character	15	
6	ANALYST	Character	15	
7	RA226	Character	25	
8	TH232	Character	25	
9	RA228	Character	25	
10	UR238	Character	25	
11	TH230	Character	25	
12	UR235	Character	25	
13	UR234	Character	25	
** Total **			334	