UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VI
HOUSTON BRANCH
6608 HORNWOOD DRIVE
HOUSTON, TEXAS 77074

Ref. Case No. 7435

Site Name S. CAVALCADE

Date: 7-27-87

Subject: CLP Data Review

From: Michael Daggett, Chief, Organic Lab Section; 6E-HL

To: Keith Bradley, Hazardous Waste Section; 6E-SH

A review of the laboratory raw data for the reference site has been completed by members of the Laboratory Section. Samples were:

INORGANIC:

ORGANIC: FD388
FD389

The data was found:

(✓) Acceptable

( ) Provisional; use of data requires caution. Problems are noted in Review Summary.

( ) Unacceptable; data should not be used. Problems are noted in Review Summary.

Questions regarding the review can be addressed to me.

Attachments

cc: David Stockton, 6E-HL
Duane Geuder, WH-548A

1012315

004410

004410

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VI
HOUSTON BRANCH
6608 HORNWOOD DRIVE
HOUSTON, TEXAS 77074

ORGANIC QA CHECKLIST

Site S CANICADE

Case No. 7455

Reviewed By M. ALIFEKY

Date 7-27-87

Contract No. 68-01-7143

Contractor SAIC

Matrix WATER [Low Level]

Acct. # TFA06MU56 SF 7TFAJN81

Sample No. FD 558
FD 559

004411

OVERALL COMMENTS (To Be Completed By EPA PERSONNEL)

	VOA	B/N	A	Pest	Other
1. Holding Times	A	A	A	A	
2. Tuning/Performance	A	A	A	A	
3. Calibrations	A	A	A	A	
4. Blanks	A	A	A	A	
5. Surrogates	A	A2	A	A	
6. Matrix Spike/Dup	A	A	A	A	
7. Compound Identity	A	A	A	A	
8. Case Assessment	A	A	A	A	

COMMENTS OR CLARIFICATIONS (See Attached)

A - Acceptable - All items delivered; all criteria met.

P - Provisional - Data usable; some non-essential review items missing or criteria were not met.

U - Unacceptable - Data unusable; essential review items missing or criteria not met.

COMMENTS/CLARIFICATIONS
REGION VI CLP QA REVIEW

Case 7435 Site S. CAVALCADE Lab SAIC

The following is a summary of sample qualifiers used by Region VI in reporting this CLP data:

No.	Acceptable	Provisional	Unacceptable
VOA	2		
BN	1		
A	1		
Pest	1		
Other			

COMMENTS:

1- DUE PURGE ACCEPTABLE FOR TOC WATER SAMPLES, ANALYZED AT LOW LEVEL. SAMPLE # FD309 ANALYZED FOR VOA ONLY. SAMPLE # FD308 ANALYZED FOR TOTAL ORGANICS.

2- NITROBENZENE-D5 SURROGATE RECOVERY, IN SAMPLES # FD308, FD308MS & FD308 MSD ARE OUTSIDE THE CONTRACT REQUIRED RECOVERY WINDOW.

3- 1,2,4 TRICHLOROBENZENE AND PENTACHLOROPHENOL MS&MSD & 2,4 DINITROTOLUENE MSD RECOVERY WERE OUTSIDE THE QC LIMITS.

4- THREE TARGET COMPOUNDS, METHYLENE CHLORIDE, 1,4 DIOXANE & 2-HEXANONE, 5-METHYL, WERE REPORTED IN THE BLANK. THE CONCENTRATIONS WERE WITHIN THE ADVISORY LIMITS.

5- TUNING, CALIBRATIONS MET ALL CONTRACT REQUIREMENTS.

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ORGANIC QA CHECKLIST
CONTINUATION PAGE

CASE NO. 7435 SITE S. CAVALCADE

COMMENTS:

6- NO TARGET COMPOUNDS REPORTED IN ANY OF THE ANALYZED SAMPLES

004413

[redacted]

SAIC

004414

SAIC

Science Applications International Corporation

July 16, 1987

RAS Case Number: 7435 analyzed for Region VI
Contract Number: 68-01-7143
SAIC Project # : 2-885-04-463-15
Ageous Samples : FD388, FD389

Remarks:

General:
Two aqueous samples were received. Sample FD389 was analyzed for VOA analytes only, while sample FD388 was analyzed for Full HSL organics, at SMO's direction.

Due to the limited volume of sample received by the lab for performing extractable QC analyses. the lab was directed by SMO to perform separate, full volume extractions on both the BNA and pesticide samples. The lab was further instructed to do half volume extractions for the matrix spike and duplicate.

BNA:
N-butylphthalate detected in the matrix spike samples is from the spiking standard which was made to accomodate other contracts.

Pesticides:
The GC column identification of "Packed 1" refers to a 1.5% SP-2250/ 1.95% SP-2401 on 100/120 Supelcoport. The GC column identification of "Packed 2" refers to a 3% OV-1 on 100/120 Supelcoport.

Should you have any questions concerning this data package, feel free to contact me at (619) 456-7469.

Sincerely,

Lisa J Peterson

Lisa J. Peterson
Contract Laboratory Program Manager

Division of Applied Environmental Sciences, 476 Prospect Street, La Jolla, California 92037 (619) 456-7462
Other SAIC Offices Albuquerque, Chicago, Dayton, Denver, Huntsville, Los Angeles, Oak Ridge, Orlando, San Diego, San Francisco, Tucson and Washington, D.C.

004415

WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No. 7435 Contract Laboratory SAIC Contract No. 68-01-7143

	VOLATILE			SEMI-VOLATILE								PESTICIDE
EPA SAMPLE NO.	TOLUENE-D8 (88-110)	BFB (86-115)	1,2 DICHLOROETHANE-D4 (76-114)	NITROBENZENE-D5 (35-114)	2-FLUOROBIPHENYL (43-116)	TERPHENYL-D14 (33-141)			PHENOL-D5 (10-94)	2-FLUOROPHENOL (21-100)	2,4,6 TRIBROMOPHENOL (10-123)	DIBUTYL CHLORENDATE** (20-134)
FD 388	92	94	96	120*	74	45			40	69	79	125
FD388MS	100	104	102	115*	92	53			61	86	81	83
FD388MSD	100	100	102	117*	86	46			63	90	107	93
METH BLANK	98	88	94	111	83	43			52	82	86	119
MB2	90	100	98	NR	NR	NR			NR	NR	NR	NR
FD389	90	88	94	NR	NR	NR			NR	NR	NR	NR

* VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 18 ; outside of QC limits
Semi-Volatiles: 3 out of 24 ; outside of QC limits
Pesticides: Ø out of 4 ; outside of QC limits

Comments:

00002

004416

WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No. 7435 Contractor SAIC Contract No. 68-01-7143

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug/L)	SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS* RPD	QC LIMITS* RECOVERY
VOA SMO SAMPLE NO. FD388	1,1-Dichloroethene	50	0	63	126	64	128	2	14	61-145
	Trichloroethene	50	0	46	92	44	88	4	14	71-120
	Chlorobenzene	50	0	50	100	51	102	2	13	75-130
	Toluene	50	0	51	102	51	102	0	13	76-125
	Benzene	50	0	63	126	61	122	3	11	76-127
B/N SMO SAMPLE NO. FD388	1,2,4-Trichlorobenzene	100	0	120	120*	110	110*	9	28	39-98
	Acenaphthene		0	90	90	94	94	4	31	46-118
	2,4 Dinitrotoluene		0	94	94	100	100*	6	38	24-96
	Pyrene		0	62	62	56	56	10	31	26-127
	N-Nitroso-Di-n-Propylamine		0	100	100	110	110	9	38	41-116
	1,4-Dichlorobenzene		0	90	90	94	94	4	28	36-97
ACID SMO SAMPLE NO. FD388	Pentachlorophenol	200	0	220	110*	210	105*	5	50	9-103
	Phenol		0	120	60	140	70	15	42	12-89
	2-Chlorophenol		0	210	105	220	112	7	40	27-123
	4-Chloro-3-Methylphenol		0	190	95	180	90	5	42	23-97
	4-Nitrophenol		0	130	65	150	77	18	50	10-80
PEST SMO SAMPLE NO. FD388	Lindane	0.20	0	0.13	65	0.14	70	7.4	15	56-123
	Heptachlor	0.20	0	0.13	65	0.13	65	0	20	40-131
	Aldrin	0.20	0	0.10	50	0.10	50	0	22	40-120
	Dieldrin	0.50	0	0.39	78	0.39	78	0	18	52-126
	Endrin	0.50	0	0.34	68	0.34	68	0	21	56-121
	4,4'-DDT	0.50	0	0.45	90	0.47	94	4.3	27	38-127

*ASTERISKED VALUES ARE OUTSIDE QC LIMITS.

RPD: VOAs 0 out of 5; outside QC limits
B/N 0 out of 6; outside QC limits
ACID 0 out of 5; outside QC limits
PEST 0 out of 6; outside QC limits

RECOVERY: VOAs 0 out of 10; outside QC limits
B/N 3 out of 12; outside QC limits
ACID 2 out of 12; outside QC limits
PEST 0 out of 12; outside QC limits

Comments:

7/85

FORM III 004417

METHOD BLANK SUMMARY

Case No. 7435 Region VI Contractor SAIC Contract No. 68-01-7143

	FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (NBS, TIC OR UNKNOWN)	CONC.	UNITS	CRQL
MB1	1FB163006	6-15-87	VOA	W	L	FIN 2	123-91-1	1,4-Dioxane	8	ug/l	—
	1FB163006	7-8-87	BNA	W	L	FIN 1	110-12-3	2-Hexanone, 5-Methyl	51	ug/l	—
	87163006	6-25-87	Pest	W	L	Delta	—	none found	—	—	—
MB2	1FB163003	6-15-87	VOA	W	L	FIN 2	75-09-2	Methylene Chloride	3	ug/l	5

Comments:

00004

FORM IV 7/85

004418

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

Case No. 7435 Contractor SAIC Contract No 68-01-7143

Instrument ID FINN 1 Date 7-8-87 Time 7:50

Lab ID DFJ4L8 Data Release Authorized By: EACunningham

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.34
68	less than 2.0% of mass 69	0 (0)[1]
69	mass 69 relative abundance	57.31
70	less than 2.0% of mass 69	0 (0)[1]
127	40.0 - 60.0% of mass 198	55.59
197	less than 1.0% of mass 198	0
198	base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	5.71
275	10.0 - 30.0% of mass 198	29.60
365	greater than 1.00% of mass 198	2.69
441	present, but less than mass 443	4.62
442	greater than 40.0% of mass 198	41.65
443	17.0 - 23.0% of mass 442	7.39 (17.75)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1] Value in parenthesis is % mass 69
[2] Value in parenthesis is % mass 442

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
50PPBSTD	SBNA 50	7-8-87	8:15
80PPBSTD	SBNA 80	7-8-87	9:10
20PPBSTD	SBNA20	7-8-87	10:05
120PPBSTD	SBNA120	7-8-87	11:01
160PPBSTD	SBNA 160	7-8-87	12:00
FD388	IFB163001	7-8-87	13:54
FD388MS	IFB163004	7-8-87	14:50
FD388MSD	IFB163005	7-8-87	15:47
MB1	IFB163006	7-8-87	12:56

FORM V 7/85

004419

004419

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

Case No. 7435 Contractor SAIC Contract No. 68-01-7143

Instrument ID FINN 2 Date 6-15-87 Time 5:01

Lab ID BJUN 15 Data Release Authorized By: EAGunningham

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	18.52
75	30.0 - 60.0% of the base peak	47.90
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	6.10
173	Less than 1.0% of the base peak	0.44
174	Greater than 50.0% of the base peak	78.83
175	5.0 - 9.0% of mass 174	4.73 (6.00)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	76.73 (97.33)[1]
177	5.0 - 9.0% of mass 176	3.92 (5.11)[2]

004420

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1]Value in parenthesis is % mass 174
[2]Value in parenthesis is % mass 176.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
25ONGSTD	V50 JUN15	6-15-87	5:50
100NGSTD	V20 JUN 5	6-15-87	6:36
500NGSTD	V 100JUN15	6-15-87	7:20
750NGSTD	V150 JUN15	6-15-87	8:02
1000NGSTD	V200 JUN15	6-15-87	8:46
MB1	IFB163006	6-15-87	10:12
MB2	IFB163003	6-15-87	10:56
FD389	IFB163002	6-15-87	11:39
FD388	IFB163001	6-15-87	12:24
FD388MS	IFB163004	6-15-87	13:09
FD388MSD	IFB163005	6-15-87	14:04

FORM V 7/85

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office
P.O. Box 818 Alexandria Virginia 22313 703 557-2490 FTS 557-2490

ORGANICS TRAFFIC REPORT

Sample Number
FD 388

① **Case Number:**

Sample Site Name/Code:

② **SAMPLE CONCENTRATION**
(Check One)

___ Low Concentration
___ Medium Concentration

③ **SAMPLE MATRIX**
(Check One)

X Water
___ Soil/Sediment

④ **Ship To:**

Attn:

Transfer
Ship To:

⑤ **Regional Office:** ___

Sampling Personnel:

(Name)

(Phone)

Sampling Date:

(Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	
Water (Extractable)			
Water (VOA)			8 oz
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑪ **Analysis Lab:**
Rec'd by: Chestnut Tech
Date Rec'd: 6-11-87
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑦ **Shipping Information**

Name of Carrier

Date Shipped:

Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
X Ground Water ___ Solids
___ Leachate ___ Other (specify) ___

⑨ **Sample Location**

W. 1

⑩ **Special Handling Instructions:**
(e.g., safety precautions, hazardous nature)

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MASTER COPY

004421

Sample Number
FD388

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: SAIC
Case No: 7435
Lab Sample ID No: IFB163001
QC Report No: 7435-6-003
Sample Matrix: Water
Contract No: 68-01-7143
Data Release Authorized By: E A Cunningham
Date Sample Received: 6-11-87

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: NA
Date Analyzed: 6-15-87
Conc/Dil Factor: 1 pH 7
Percent Moisture: (Not Decanted) NA

CAS Number		(ug/l) or ug/Kg (Circle One)
74-87-3	Chloromethane	10 u
74-83-9	Bromomethane	↓
75-01-4	Vinyl Chloride	↓
75-00-3	Chloroethane	↓
75-09-2	Methylene Chloride	5 u
67-64-1	Acetone	10 u
75-15-0	Carbon Disulfide	5 u
75-35-4	1, 1-Dichloroethene	↓
75-34-3	1, 1-Dichloroethane	↓
156-60-5	Trans-1, 2-Dichloroethene	↓
67-66-3	Chloroform	↓
107-06-2	1, 2-Dichloroethane	↓
78-93-3	2-Butanone	10 u
71-55-6	1, 1, 1-Trichloroethane	5 u
56-23-5	Carbon Tetrachloride	5 u
108-05-4	Vinyl Acetate	10 u
75-27-4	Bromodichloromethane	5 u

CAS Number		(ug/l) or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	5 u
10061-02-6	Trans-1, 3-Dichloropropene	↓
79-01-6	Trichloroethene	↓
124-48-1	Dibromochloromethane	↓
79-00-5	1, 1, 2-Trichloroethane	↓
71-43-2	Benzene	↓
10061-01-5	cis-1, 3-Dichloropropene	↓
110-75-8	2-Chloroethylvinylether	10 u
75-25-2	Bromoform	5 u
591-78-6	4-Methyl-2-Pentanone	10 u
108-10-1	2-Hexanone	10 u
127-18-4	Tetrachloroethene	5 u
79-34-5	1, 1, 2, 2-Tetrachloroethane	↓
108-88-3	Toluene	↓
108-90-7	Chlorobenzene	↓
100-41-4	Ethylbenzene	↓
100-42-5	Styrene	↓
	Total Xylenes	↓

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Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name SAIC

Case No 7435

Sample Number FD388

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration Low Medium (Circle One)

Date Extracted/Prepared 6-17-87

Date Analyzed 7-8-87

Conc/Dil Factor 1

Percent Moisture NA

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☑Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	10 u
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1 3-Dichlorobenzene	
106-46-7	1 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2 4-Dimethylphenol	
65-85-0	Benzoic Acid	50u
111-91-1	bis(-2-Chloroethoxy)Methane	10u
120-83-2	2 4-Dichlorophenol	
120-82-1	1 2 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2 4 5-Trichlorophenol	
95-95-4	2 4 5-Trichlorophenol	50u
91-58-7	2-Chloronaphthalene	10u
88-74-4	2-Nitroaniline	50u
131-11-3	Dimethyl Phthalate	10u
208-96-8	Acenaphthylene	10u
99-09-2	3-Nitroaniline	50u

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	10u
51-28-5	2 4-Dinitrophenol	50u
100-02-7	4-Nitrophenol	50u
132-64-9	Dibenzofuran	10u
121-14-2	2 4-Dinitrotoluene	
606-20-2	2 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	50u
534-52-1	4 6-Dinitro-2-Methylphenol	50u
86-30-6	N-Nitrosodiphenylamine (1)	10u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	50u
85-01-8	Phenanthrene	10u
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3 3-Dichlorobenzidine	20u
56-55-3	Benzo(a)Anthracene	10u
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1 2 3-cd)Pyrene	
53-70-3	Dibenzo(a h)Anthracene	
191-24-2	Benzo(g h i)Perylene	

(1)-Cannot be separated from diphenylamine

004423

Laboratory Name SAIC

Case Number 7435

Sample Number
FD3BB

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCB's

Concentration (Low) Medium (Circle One)
Date Extracted/Prepared 6-11-87
Date Analyzed 6-25-87
Cont/Dil Factor 1.0
Percent Moisture (decanted) NA

GPC Cleanup __Yes
Separatory Funnel Extraction ✓Yes
Continuous Liquid-Liquid Extraction __Yes

CAS Number		UG/L
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC(Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
3321-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-11-2	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

Vi = Volume of extract injected (ul)
Vs = Volume of water extracted (ml)
Ws = Weight of sample extracted (g)
Vt = Volume of total extract (ul)

Vs 1000 or Ws ____ Vt 10000 Vi 4

Form 1

Laboratory Name SAIC

Case No 7435

Sample Number FD388

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	No VOAs found			
2. 110-12-3	2-Hexanone, 5-Methyl-	BNA	382	52JB
3.				
4.				
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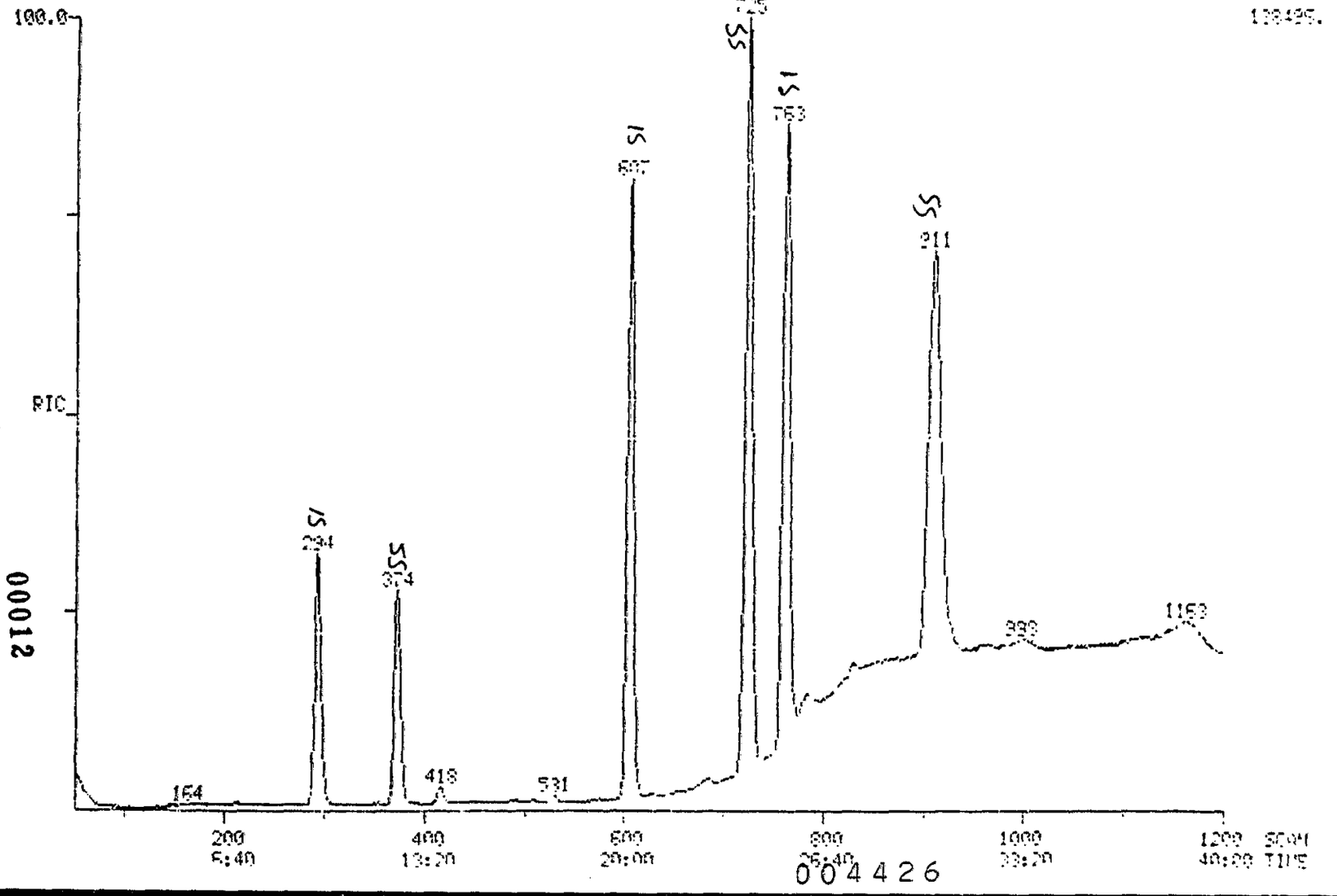
004425

00011

Form 1, Part B

7 85

RIC DATA: IFB163001 #1 SCANS 50 TO 1200
05/15/87 12:24:00 CALI: FCJUN15 #106
SAMPLE: 87-163001,7435,FD 388,VOA,H2O,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
RANGE: G 1,1200 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3



00012

004426

004426

QUANTITATION REPORT FILE: VTEMP

DATA IFB163001 TI
15/07 12 24 00
SAMPLE 87-163001,7435,FD 388,VOA,H2O,5MLS
CONDS 45 DG FOR 3MIN,8 0 DG/MIN TO 200 DG,HOLD
STANDARD ID V50JUN15 INSTRUMENT: FINN2
SENSITIVITY ID BJUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP FAC FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE (VX#46)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	254	9.48	1	1 000	A BB	51756.	50 000 **	17.18
2	114	607	20:14	2	1 000	A BB	407040.	50.000 **	17.18
3	117	763	25.26	3	1.000	A BB	346484.	50.000 **	17.18
4	65	374	12:28	1	1.272	A BB	109714.	47.669 **	16.38
5	98	725	24.10	3	0 950	A BB	453788.	46 323 **	15.92
6	95	911	30 22	3	1 194	A BB	270186	46 965 **	16.14

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R FAC	R.FAC(L)	RATIO
1	9.46	1 00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20.10	1 00	1.000	1 00	50.00	50.00	1.000	1.000	1.00
3	25.22	1 00	1.000	1.00	50 00	50.00	1.000	1.000	1.00
4	12 24	1 01	1.270	1 00	47.67	50.00	2.120	2.224	0.95
5	24 08	1 00	0 951	1.00	46.32	50 00	1.310	1.414	0.93
6	30 14	1 00	1 192	1 00	46.96	50.00	0 780	0.830	0.94

004427

QUANTITATION REPORT FILE VOUN15

DATA IEB163001 TI
04/15/87 12:24:00
SAMPLE 87-163001,7435,FD 300,VOA,H2O,5MLS
COND 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
STANDARD ID VSOJUN15 INSTRUMENT: FINN2
SENSITIVITY ID BJUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
~~4~~	~~BENZENE,1-BROMO-3-FLUORO~~ Surrogate

NO	M/E	SCAN	TIME	REF	RET	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	294	9.48	1	1.000	A BB	323034	50.000 **	25.29
2	RIC	607	20.14	2	1.000	A BB	800830.	50.000 **	25.29
3	RIC	763	25:26	3	1.000	A BB	867480.	50.000 **	25.29
~~4~~	~~RIC~~	~~918~~	~~30:20~~	~~5~~	~~1.195~~	~~A BB~~	~~847040.~~	~~47.722~~	~~24.14~~

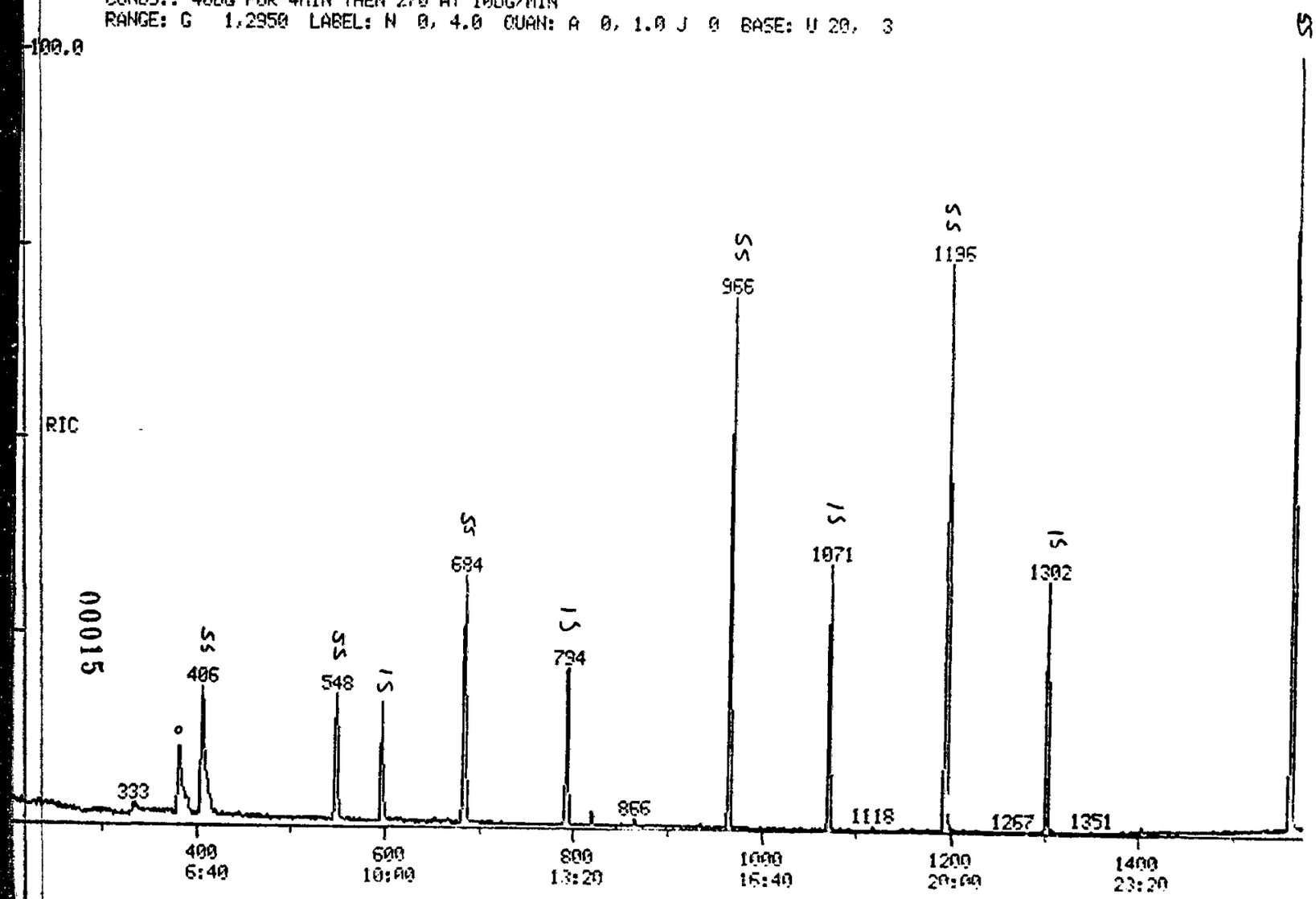
004428

00014

RIC
07/08/87 13:54:00
SAMPLE: 87163001,7435,FD388,BNA,H20
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: IFB163001 #1
CALI: FCJULYS #81

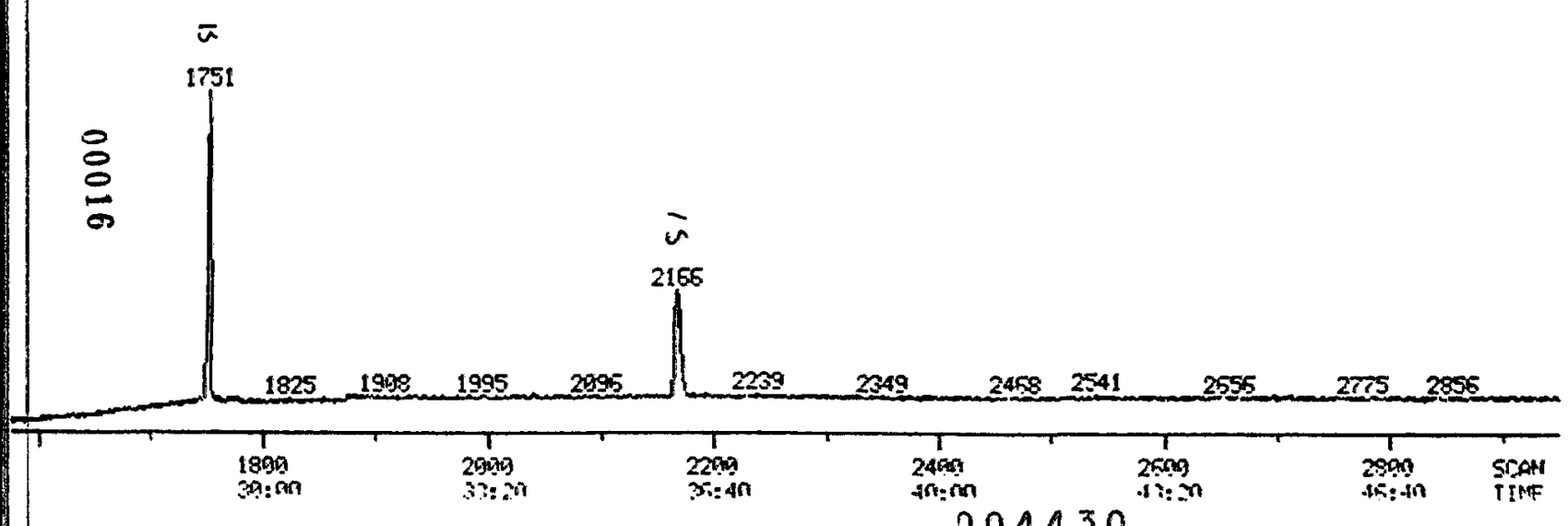
SCANS 200 TO 1575
OUT OF 200 TO 2950



004429

RIC DATA: IFB163001 #1 SCANS 1575 TO 2950
07/08/87 13:54:00 CALI: FCJULY8 #81 OUT OF 200 TO 2950
SAMPLE: 87163001,7435,FD388,BNA,H2O
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

397824.



00016

004430

004430

QUANTITATION REPORT FILE: TEMP

DATA: IFB163001.TI
07/08/87 13 54.00
SAMPLE: 87163001,7435,FD388,BNA,H20
CONDS : 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID. INSTRUMENT: FINNI
SENSITIVITY ID DFJULB ANALYST: RJT INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
7	SS1 D5-PHENOL (DC#16 ACID SURROGATE)
8	SS2 2-FLUOROPHENOL (DC#17 ACID SURROGATE)
9	SS3 D5-NITROBENZENE (DC#34 B/N SURROGATE)
10	SS4 2-FLUORODIPHENYL (DC#56 B/N SURROGATE)
11	SS5 2,4,6-TRIBROMOPHENOL (DC#57 S.S.)
12	SS6 D14-P-TER PHENYL (DC#80 S.S)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	596	9:56	1	1.000	A BB	27785.	40.000	**	4.68
2	136	793	13:13	2	1.000	A BB	112383.	40.000	**	4.68
3	164	1071	17:51	3	1.000	A BB	79919.	40.000	**	4.68
4	188	1302	21:42	4	1.000	A BB	156770.	40.000	**	4.68
5	240	1751	29.11	5	1.000	A BB	203139.	40.000	**	4.68
6	264	2166	36:06	6	1.000	GEDT	127135.	40.000	**	4.68
7	99	548	9:08	1	0 919	A BB	67680.	78.968	**	9.24
8	112	406	6:46	1	0.681	A?VV	99572.	138.058	**	16.16
9	82	684	11:24	2	0 863	GEDT	114661	120.263	**	14.08
10	172	966	16:06	3	0.902	A BB	184402.	74.069	**	8.67
11	330	1195	19:55	3	1.116	A BB	126483.	158.358	**	18.53
12	244	1562	26:02	5	0.892	A BB	454447.	44.701	**	5.23

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:59	0 99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:14	1 00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1 00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:11	0.99	0.920	1.00	78.97	100.00	0.974	1.234	0.79
8	6:52	0.99	0.688	0.99	138.06	100.00	1.433	1.038	1.38
9	11:25	1.00	0.863	1.00	120.26	50.00	0.816	0.339	2.41
10	16:06	1.00	0.902	1.00	74.07	50.00	1.846	1.246	1.48
11	19:55	1.00	1.116	1.00	158.36	100.00	0.633	0.400	1.58
12	26:02	1.00	0.892	1.00	44.70	50.00	1.790	2.002	0.89

004431

QUANTITATION REPORT FILE: UNKS

DATA: IFB163001.TI
07/08/87 13 54:00
SAMPLE: 87163001,7435,FD388,BNA,H2O
CONDS : 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID INSTRUMENT: FINNI
SENSITIVITY ID. DFJUL8 ANALYST: RJT INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	2-HEXANONE,5-METHYL-
3	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
4	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
5	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
6	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
7	~~FERROCENE,1-(1-HYDROXYETHYL)-3-METHYL-~~ [illegible]
8	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	RIC	596	9:56	1	1.000	A BB	159892.	40.000	**	10.14
2	RIC	382	6:22	1	0.641	A BB	206528.	51.667		13.10
3	RIC	794	13:14	3	1.000	A BB	236672.	40.000	**	10.14
4	RIC	1071	17:51	4	1.000	A VV	284034.	40.000	**	10.14
5	RIC	1302	21:42	5	1.000	A BV	331648.	40.000	**	10 14
6	RIC	1751	29:11	6	1.000	A BB	394380.	40.000	**	10.14
~~7~~	~~RIC~~	~~1562~~	~~26:02~~	~~6~~	~~0.892~~	~~A BB~~	~~1013440.~~	~~102.788~~		~~26.06~~
8	RIC	2166	36:06	8	1.000	A BB	253668.	40.000	**	10.14

004432

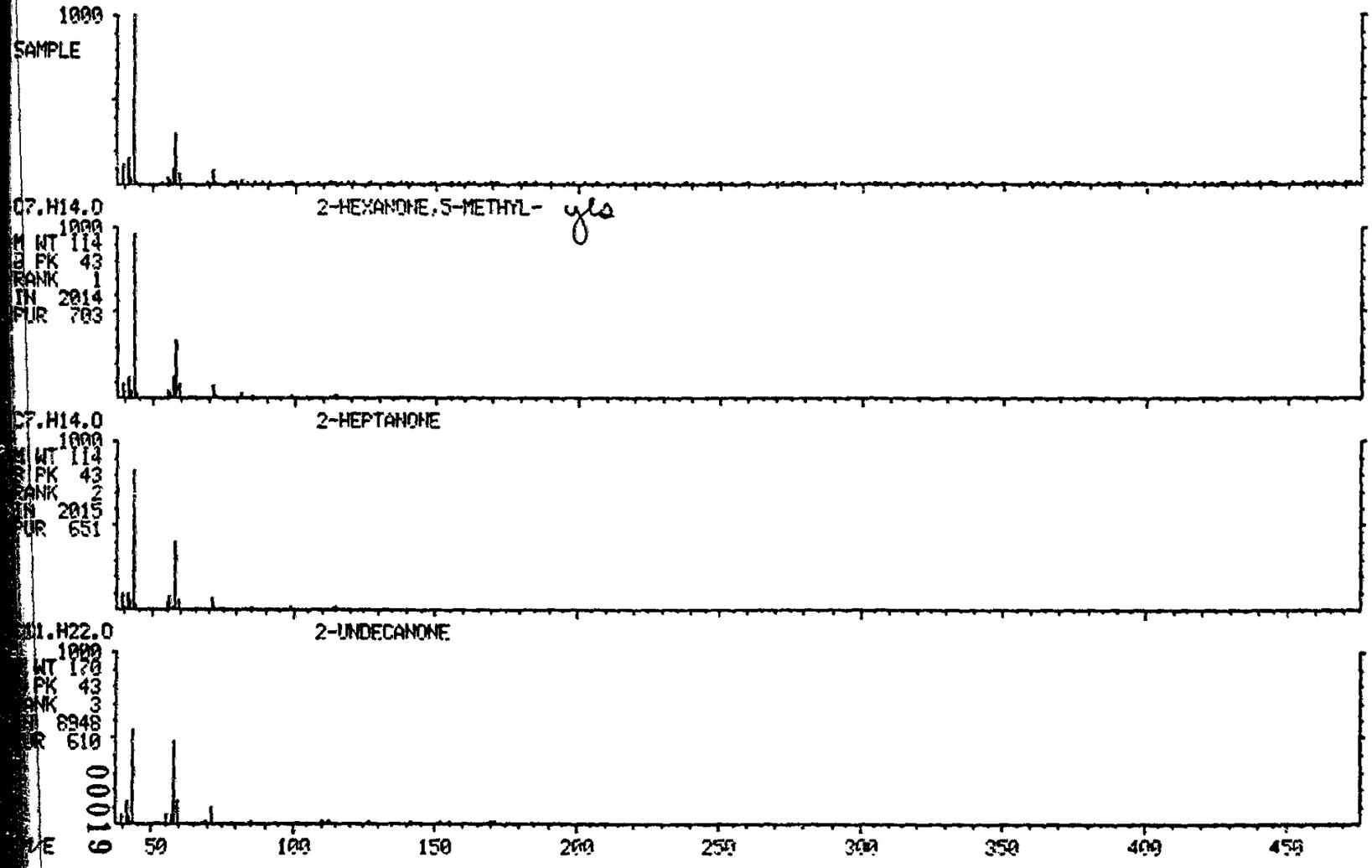
00018

004432

LIBRARY SEARCH
07/08/87 13:54:00 + 6:22
SAMPLE: 87163001,7435,FD308,BNA,H2O
CONDS.: 40DC FOR 4MIN THEN 270 AT 10DC/MIN
ENHANCED (S 15B 2N 0T)

DATA: IFB163001 # 332
CALI: FCJULY8 # 81

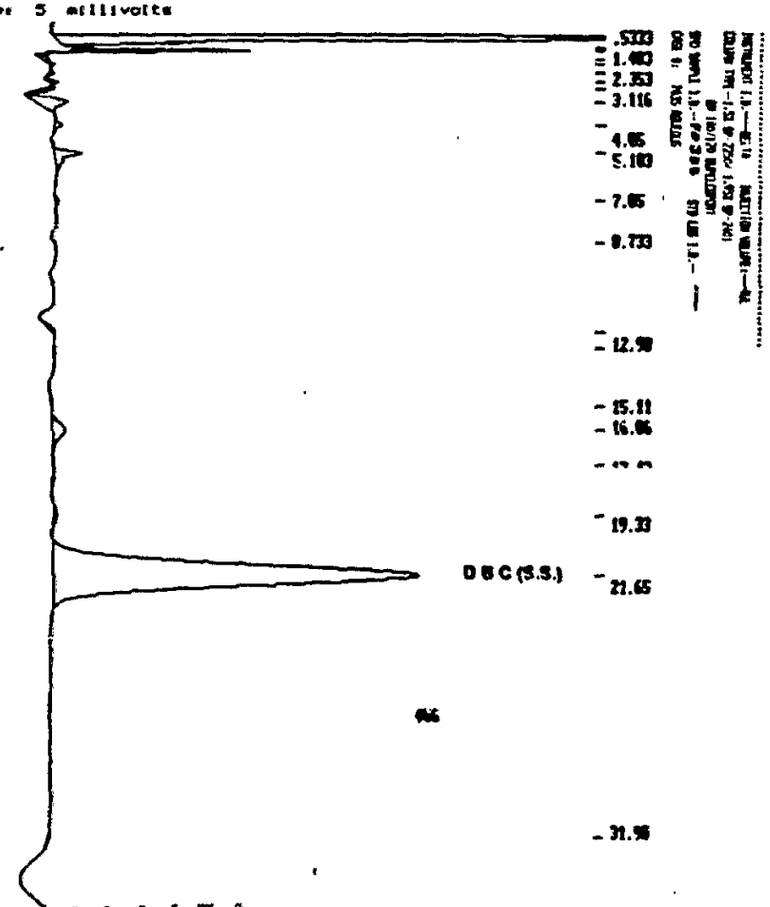
BASE M/E: 43
RIC: 32383.



004433

004433

87163001 Processed: 06-25-1987 23:57:03, segment 3 , cycle 20
Raw Data Stored in Files: D:E062320.HDR D:E062320.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

00020

OUTPUT FROM REPORT PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Case # 7435

```
*****************************************************************************
* Sample Name: 87163001    SMOC FD398              Operator Initials: SG    *
* Date:  06-25-1987 23:57:41 Method:IFB-PI-1       DATA FILE: D:E062320.PTS *
* Interface: 1              Cycle#:  20            Channel#: 0    Vial#: N.A.*
* Starting Peak Width:  10   Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1"*
*            Solvent Description: INJECTION VOLUME: 4 UL                    *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP               *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C          *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT *
*****************************************************************************
Area reject:       100
Amount injected:       1.00                    Dilution factor:       1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION IN NG/ML	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	220731	29336	7.8 I			0.0000E+00
2	0.90		0.0000	0.0000%	590	158	3.7 I			0.0000E+00
3	1.10		0.0000	0.0000%	6302	1077	6.3 I			0.0000E+00
4	1.40		0.0000	0.0000%	641	35	18.3 I			0.0000E+00
5	1.63		0.0000	0.0000%	109	44	4.3 I			0.0000E+00
6	1.90		0.0000	0.0000%	611	34	12.1 I			0.0000E+00
7	2.33		0.0000	0.0000%	644	71	9.1 I			0.0000E+00
8	2.62	[illegible]	0.0032	0.0009%	1410	114	12.4 I	0	1.940	2.2838E-06
9	3.12	[illegible]	0.0134	0.0000%	6144	264	23.3 I	0	0	2.1809E-06
11	4.05		0.0000	0.0000%	837	62	13.6 I			0.0000E+00
13	5.10	[illegible]	0.0099	0.0000%	4442	233	19.0 I	0	-1.092	2.2225E-06
14	7.05		0.0000	0.0000%	376	27	13.7 I			0.0000E+00
15	8.73		0.0000	0.0000%	121	12	9.7 I			0.0000E+00
17	12.28		0.0000	0.0000%	573	14	38.8 I			0.0000E+00
18	12.90	[illegible]	0.0005	0.0000%	127	10	13.1 I	0	-1.001	3.6081E-06
19	15.12		0.0000	0.0000%	129	6	23.2 I			0.0000E+00
20	16.07		0.0000	0.0000%	4038	109	37.3 I			0.0000E+00
21	17.43		0.0000	0.0000%	110	7	16.5 I			0.0000E+00
23	19.33		0.0000	0.0000%	657	22	29.3 I			0.0000E+00
25	21.65	DIBUTYLCHLORENDATE	0.9563	0.0000%	100199	3106	27.3 I	0	-.0597	3.3058E-06
29	31.98		0.0000	0.0000%	656	0	58.5 I			0.0000E+00

TOTAL AMOUNT = 0.0000

00021

004435

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office
P.O. Box 818 Alexandria, Virginia 22313 703 557-2490 FTS 557-2490

ORGANICS TRAFFIC REPORT

Sample Number
FD 389

① **Case Number:**

Sample Site Name/Code:

② **SAMPLE CONCENTRATION**
(Check One)

X **Low Concentration**
___ **Medium Concentration**

③ **SAMPLE MATRIX**
(Check One)

X **Water**
___ **Soil/Sediment**

④ **Ship To:**

Attn:

Transfer
Ship To:

⑤ **Regional Office:**
Sampling Personnel:
(Name)
(Phone)
Sampling Date:
(Begin) (End)

⑥ **For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume	
Water (Extractable)			
Water (VOA)			good
Soil/Sediment (Extractable)			
Soil/Sediment (VOA)			
Other			

⑪ **Analysis Lab:**
Rec'd by: Cindy Trull
Date Rec'd: 6-11-85
Sample Condition on Receipt (e.g., broken, no ice, Chain-of-Custody, etc.)

⑦ **Shipping Information**
Name of Carrier
Date Shipped:
Airbill Number:

⑧ **Sample Description**

___ Surface Water ___ Mixed Media
X Ground Water ___ Solids
___ Leachate ___ Other (specify) _____

⑨ **Sample Location**

⑩ **Special Handling Instructions:**
(e.g., safety precautions, hazardous nature)

00022

LAB FILE COPY

004436

Sample Number
FD389

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: SAIC
Lab Sample ID No.: TFB163002
Sample Matrix: Water
Date Release Authorized By: EAGunningham

Case No.: 7435
QC Report No.: 7435-6-004
Contract No.: 68-01-7143
Date Sample Received: 6-11-87

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: NA
Date Analyzed: 6-15-87
Conc/Dil Factor: 1 pH 7
Percent Moisture: (Not Decanted) NA

CAS Number		(ug/l) or ug/Kg (Circle One)
74-87-3	Chloromethane	10 u
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	5 u
75-15-0	Carbon Disulfide	10 u
75-35-4	1, 1-Dichloroethene	5 u
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	10 u
56-23-5	Carbon Tetrachloride	5 u
108-05-4	Vinyl Acetate	5 u
75-27-4	Bromodichloromethane	10 u
		5 u

CAS Number		(ug/l) or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	5 u
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	10 u
591-78-6	4-Methyl-2-Pentanone	5 u
108-10-1	2-Hexanone	10 u
127-18-4	Tetrachloroethene	10 u
79-34-5	1, 1, 2, 2-Tetrachloroethane	5 u
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

004437

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report

00023

Laboratory Name SAIC

Case No 7435

Sample Number FD389

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1	No VOAS found			
2	BNA NR			
3				
4				
5				
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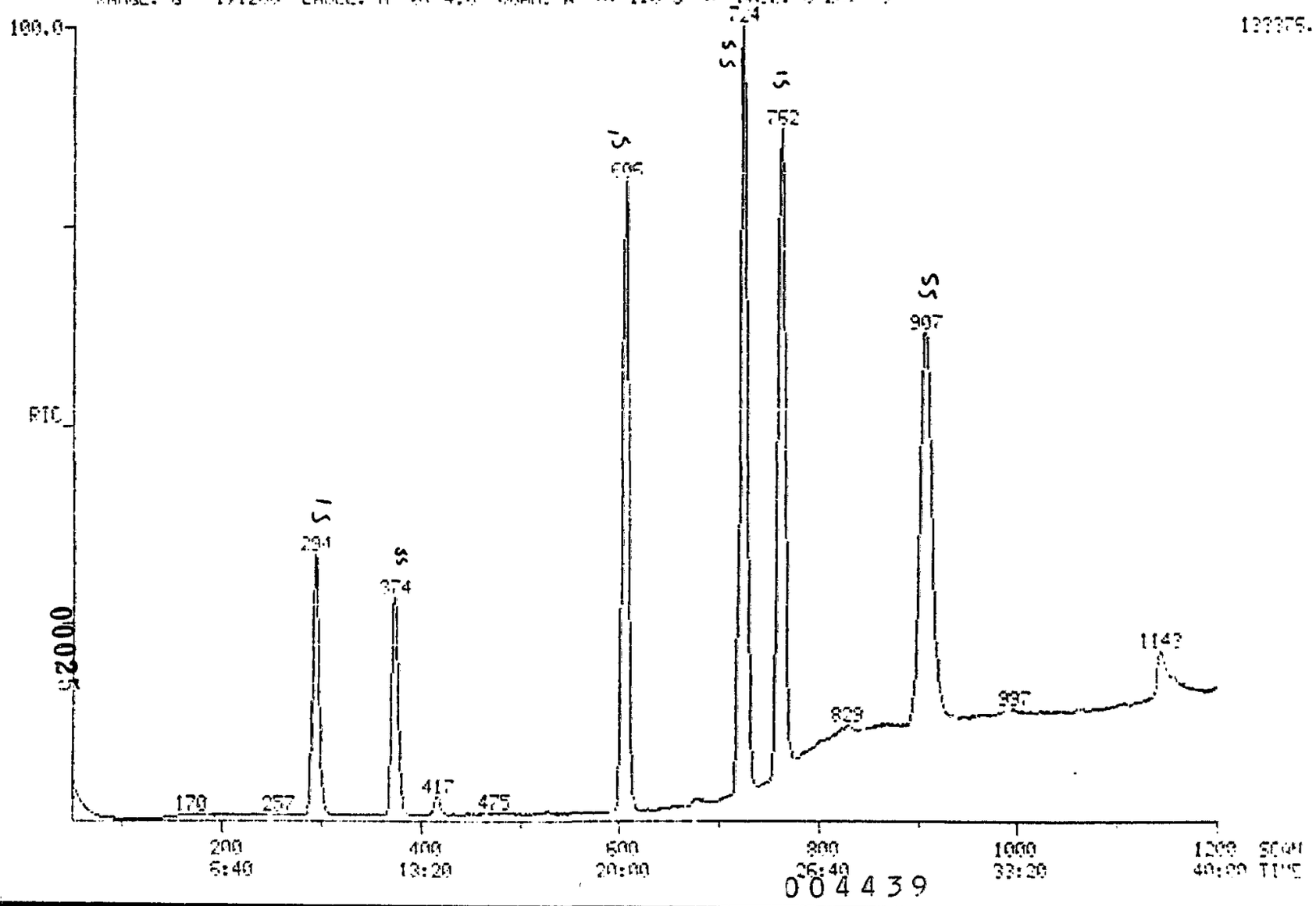
004438

00024

RIC DATA: IFB163002 #909 SCANS 50 TO 1200
05/15/87 11:39:09 CALI: FCJUN15 #105
SAMPLE: 87-163002,7435-FD 333,UOA,H2O,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 280 DG,HOLD
RANGE: G 1,1200 LABEL: H 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3



004439

[illegible] FINE [illegible]

[illegible]

SAMPLE [illegible] MODIFIED [illegible] 10.5MLS

[illegible] 10 FOR 2MIN 6.0 10/MIN TO 200 DG.HOLD

INTEGRATE II [illegible] INSTRUMENT FINN2

SENSITIVITY II [illegible] ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF AMOUNT/(REF AREA* RESP.FACT)

RESP FAC FROM LIBRARY DISK

NO	NAME
1	191** BROMOCHLOROMETHANE (VX#1)
2	192** 1,4-DIFLUOROBENZENE (VX#17)
3	193** CHLOROBENZENE-D5 (VX#34)
4	991 1,2-DICHLOROETHANE-D4 (VX#14)
5	992 TOLUENE-D8 (VX#41)
6	993 BROMOFLUOROBENZENE (VX#[illegible])

NO	M/E	START	TIME	REF	RT	RETI	AREA(REF)	AMOUNT		%TOT
1	129	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59423	50.000	**	17.48
2	117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	398570	50.000	**	17.48
3	112	[illegible]	21 24	0	1 [illegible]	[illegible]	348342	50.000	**	17.48
4	65	[illegible]	12 21	1	1 272	A BP	111778	47.046	**	16.44
5	92	[illegible]	24 09	0	0 991	A BP	446202	45.305	**	15.84
6	95	600	32 16	0	1 192	GCDT	253042	43.750	**	15.29

NO	RET(L)	RATIO	RET(L)	RATIO	AMNT	AMNT(L)	R FAC	R FAC(L)	RATIO
1	9 45	1 00	1 000	1 00	50 00	50.00	1.000	1.000	1.00
2	20 10	1 00	1.000	1 00	50 00	50 00	1.000	1.000	1.00
3	25 22	1 00	1 000	1.00	50 00	50 00	1 000	1.000	1.00
4	11 24	1 01	1.270	1 00	47 05	50.00	2 092	2.224	0.94
5	24 05	1 00	0 991	1 00	45 31	50.00	1 281	1.414	0.91
6	32 14	1 00	1 192	1 00	43 75	50 00	0.726	0.830	0.88

004440

00026

004440

QUANTITATION REPORT FILE VOUNKS

DATA IEE163.RD TI
06/15/87 11 39 00
SAMPLE 87-163002,7435,FD 30%,VOA,H2O,5ML6
COND: 45 DG FOR 3MIN,6 0 DG/MIN TO 200 DG,HOLD
STANDARD ID V50JUN15 INSTRUMENT. FINN2
SENSITIVITY ID BJUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF AMNT/(REF AREA)* RESP FACT)
RESP FAC FROM LIBRARY ENTRY

NO	NAME
1	191** BROMOCHLOROMETHANE (VX#1)
2	192** 1,4-DIFLUOROBENZENE (VX#17)
3	193** CHLOROBENZENE-D5 (VX#34)
~~4~~	~~BENZENE 1 BROMO-2 FLUORO~~ - Surrogate

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	810	294	9 48	1	1 000	A BB	333033.	50.000 **	25.64
2	810	606	20 12	2	1 000	A BB	782368	50.000 **	25.64
3	810	762	25 24	3	1 000	A BB	912192	50.000 **	25.64
~~4~~	~~810~~	~~522~~	~~20 14~~	~~3~~	~~1 190~~	~~A BB~~	~~753267~~	~~43.482~~	~~22.47~~

004441

00027

004441

004442

004442

Environmental Protection Agency CLP Sample Management Office
P O Box 818 Alexandria Virginia 22313 703 557 2490

Sample Number

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: SAIC
Case No: 7435
Lab Sample ID No
QC Report No: 7435-6-005
Sample Matrix: Water
Contract No: 68-01-7143
Data Release Authorized By EAC
Date Sample Received: 6-11-87

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared
Date Analyzed
Conc/Dil Factor pH
Percent Moisture:
Percent Moisture (Decanted):

LABORATORY INSTRUMENT DETECTION LIMITS

CAS Number — REPORTED AS ng/ml — [redacted] (Circle One)

CAS Number		(Circle One)
74-87-3	Chloromethane	57
74-83-9	Bromomethane	2
75-01-4	Vinyl Chloride	68
75-00-3	Chloroethane	5
75-09-2	Methylene Chloride	3
67-64-1	Acetone	5
75-15-0	Carbon Disulfide	3
75-35-4	1, 1-Dichloroethene	8
75-34-3	1, 1-Dichloroethane	5
156-60-5	Trans-1, 2-Dichloroethene	3
67-66-3	Chloroform	3
107-06-2	1, 2-Dichloroethane	3
78-93-3	2-Butanone	3
71-55-6	1, 1, 1-Trichloroethane	5
56-23-5	Carbon Tetrachloride	9
108-05-4	Vinyl Acetate	13
75-27-4	Bromodichloromethane	5

CAS Number — REPORTED AS ng/ml — [redacted] (Circle One)

CAS Number		(Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	11
78-87-5	1, 2-Dichloropropane	10
10061-02-6	Trans-1, 3-Dichloropropene	7
79-01-6	Trichloroethene	5
124-48-1	Dibromochloromethane	8
79-00-5	1, 1, 2-Trichloroethane	3
71-43-2	Benzene	5
10061-01-5	cis-1, 3-Dichloropropene	5
110-75-8	2-Chloroethylvinylether	7
75-25-2	Bromoform	15
591-78-6	2-Hexanone	23
108-10-1	4-Methyl 2-Pentanone	33
127-18-4	Tetrachloroethene	15
108-88-3	Toluene	15
108-90-7	Chlorobenzene	14
100-41-4	Ethylbenzene	10
100-42-5	Styrene	15
	Total Xylenes	18

004443

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

.00028

004443

Laboratory Name SAIC

Case No 7435.

Sample Number

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration Low Medium (Circle One)

Date Extracted/Prepared _____

Date Analyzed _____

Conc/Dil Factor _____

Percent Moisture _____

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

LABORATORY INSTRUMENT DETECTION LIMITS

Reported as ug/ml

CAS Number		[redacted] (Circle One)
108 95-2	Phenol	2
111-44-4	bis(-2-ChloroethylEther	1
95 57-8	2-Chlorophenol	1
541-73-1	1 3-Dichlorobenzene	2
106-46-7	1 4-Dichlorobenzene	2
100-51-6	Benzyl Alcohol	9
95-50-1	1 2-Dichlorobenzene	2
95-48-7	2-Methylphenol	2
39638-32-9	bis(2-chloroisopropylEther	4
106-44-5	4-Methylphenc	2
621-64-7	N-Nitroso-Di-n-Propylamine	5
67-72-1	Hexachloroethane	2
98-95-3	Nitrobenzene	4
78 59-1	Isophorone	4
88-75-5	2-Nitrophenol	4
105-67-9	2 4-Dimethylphenol	2
65-85-0	Benzoic Acid	3
111-91-1	bis(2-ChloroethoxylMethane	4
120-83-2	2 4-Dichlorophenol	2
120-82-1	1 2 4-Trichlorobenzene	3
91-20-3	Naphthalene	4
106-47-8	4-Chloroaniline	5
87-68 3	Hexachlorobutadiene	6
59-50-7	4-Chloro-3-Methylphenol	4
91-57-6	2-Methylnaphthalene	5
77-47-4	Hexachlorocyclopentadiene	5
88-06-2	2 4 6-Trichlorophenol	2
95-95-4	2 4 5-Trichlorophenol	2
91-58-7	2-Chloronaphthalene	1
88-74-4	2-Nitroaniline	1
131-11-3	Dimethyl Phthalate	1
208-96-8	Acenaphthylene	2
99-09-2	3-Nitroaniline	2

CAS Number		[redacted] (Circle One)
83-32-9	Acenaphthene	2
51-28-5	2, 4-Dinitrophenol	8
100-02-7	4-Nitrophenol	4
132-64 9	Dibenzofuran	3
121-14-2	2 4-Dinitrotoluene	3
606-20-2	2 6-Dinitrotoluene	2
84-66-2	Diethylphthalate	1
7005-72-3	4-Chlorophenyl-phenylether	3
86-73-7	Fluorene	1
100-01-6	4-Nitroaniline	10
534-52-1	4 6-Dinitro-2-Methylphenol	1
86-30-6	N-Nitrosodiphenylamine (1)	4
101-55-3	4-Bromophenyl-phenylether	2
118-74-1	Hexachlorobenzene	3
87-86-5	Pentachlorophenol	2
85-01-8	Phenanthrene	1
120-12-7	Anthracene	2
84-74-2	Di-n-Butylphthalate	4
206-44-0	Fluoranthene	1
129-00-0	Pyrene	4
85-68-7	Butylbenzylphthalate	2
91-94-1	3 3 -Dichlorobenzidine	9
56-55-3	Benzo(a)Anthracene	1
117-81-7	bis(2-Ethylhexyl)Phthalate	2
218-01-9	Chrysene	2
117-84-0	Di-n-Octyl Phthalate	3
205-99-2	Benzo(b)Fluoranthene	4
207-08-9	Benzo(k)Fluoranthene	2
50-32-8	Benzo(a)Pyrene	1
193-39-5	Indeno(1 2 3-cd)Pyrene	2
53-70 3	Dibenzo h)Anthracene	1
191-24-2	Benzo(g h i)Perylene	2

(1)-Cannot be separated from diphenylamine

004444

00029

Form I

7 85

004444

Case 7435

Sample Number

Environmental Protection Agency. CLP Sample Management Office.
P O Box 818 Alexandria Virginia 22313 703/557-2490

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration Low Medium (Circle One)

Date Extracted/Prepared _____

Date Analyzed _____

Conc/Dil Factor: _____

LABORATORY INSTRUMENT DETECTION LIMITS

CAS Number	REPORTED AS ng/ml	[redacted] (Circle One)
319-84-6	Alpha-BHC	5
319-85-7	Beta-BHC	5
319-86-8	Delta-BHC	5
58-89-9	Gamma-BHC (Lindane)	5
76-44-8	Heptachlor	5
309-00-2	Aldrin	5
1024-57-3	Heptachlor Epoxide	5
959-98-8	Endosulfan I	5
60-57-1	Dieldrin	10
72-55-9	4, 4'-DDE	10
72-20-8	Endrin	10
33213-65-9	Endosulfan II	10
72-54-8	4, 4'-DDD	10
7421-93-4	Endrin Aldehyde	10
1031-07-8	Endosulfan Sulfate	10
50-29-3	4, 4'-DDT	10
72-43-5	Methoxychlor	50
53494-70-5	Endrin Ketone	10
57-74-9	Chlordane	50
8001-35-2	Toxaphene	100
12674-11-2	Aroclor-1016	50
11104-28-2	Aroclor-1221	50
11141-16-5	Aroclor-1232	50
53469-21-9	Aroclor-1242	50
12672-29-6	Aroclor-1248	50
11097-69-1	Aroclor-1254	100
11096-82-5	Aroclor-1260	100

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s _____ or W_s _____ V_t _____ V_i _____

004445

00030

INITIAL CALIBRATION DATA - VOLATILE HSL COMPOUNDS

CASE NO: 7435
LABORATORY: SAIC
CONTRACT NO: 68-01-7143

INSTRUMENT ID: FINN2
CALIBRATION DATE: 06/15/87
7435-6-006

LABORATORY ID: V20JUN15 V50JUN15 V100JUN15 V150JUN15 V200JUN15

COMPOUND	RF20	RF50	RF100	RF150	RF200	AVE RRF	%RSD	
CHLOROMETHANE (VX#2)	0.512	0.634	0.611	0.642	0.533	0.586	10	*
BROMOMETHANE (VX#3)	0.142	0.205	0.229	0.187	0.160	0.185	19	
VINYL CHLORIDE (VX#4)	0.215	0.298	0.336	0.325	0.294	0.293	16	*
CHLOROETHANE (VX#5)	0.415	0.481	0.654	0.652	0.518	0.544	20	
METHYLENE CHLORIDE (VX#6)	1.547	1.522	1 595	1.590	1.487	1.548	3	
ACETONE (VX#7)	2.190	1.411	1.464	1.468	1.425	1.591	21	
CARBON DISULFIDE (VX#8)	11.142	10.622	9.460	8.522	7.498	9.449	16	
1,1-DICHLOROETHYLENE (VX#9)	1.230	1.268	1.295	1.279	1.188	1.252	3	
1/1-DICHLOROETHANE (VX#10)	3 872	3.954	3.511	3.473	3.290	3.620	8	
TRANS-1,2-DICHLOROETHYLENE (V	1.975	2.044	1.876	1.777	1.624	1.859	9	
CHLOROFORM (VX#12)	4.022	4.192	3.595	3.474	3.244	3.705	11	
1,2-DICHLOROETHANE (VX#13)	2.740	2.986	2.540	2.533	2.410	2.642	9	
2-BUTANONE (VX#18)	0.045	0.044	0.050	0.051	0.050	0.048	7	
1,1,1-TRICHLOROETHANE (VX#19)	0.365	0.383	0.354	0.331	0.297	0.346	10	
CARBON TETRACHLORIDE (VX#20)	0.447	0.434	0.436	0.442	0.440	0.440	1	
VINYL ACETATE (VX#21)	0.337	0.328	0.316	0.298	0.274	0.310	8	
BROMODICHLOROMETHANE (VX#22)	0.487	0.475	0.476	0.484	0.460	0.476	2	
1,2-DICHLOROPROPANE (VX#23)	0.395	0.368	0.338	0.337	0.314	0.350	9	*
TRANS-1,3-DICHLOROPROPENE (VX	0.745	0.687	0.623	0.616	0.568	0.648	11	
TRICHLOROETHYLENE (VX#25)	0.427	0.397	0.358	0.354	0.326	0.372	11	
DIBROMOCHLOROMETHANE (VX#26)	0.460	0.403	0.341	0.316	0.282	0.360	20	
1,1,2-TRICHLOROETHANE (VX#27)	0.257	0.212	0.176	0.162	0.146	0.191	23	
BENZENE (VX#28)	0.942	0.742	0.582	0.524	0.462	0.650	30	
CIS-1,3-DICHLOROPROPENE (VX#2	0.492	0.412	0.345	0.331	0.305	0.377	20	
2-CHLOROETHYLVINYL ETHER (VX#	0.020	0.031	0.028	0.027	0.028	0.026	15	
BROMOFORM (VX#31)	0.382	0.394	0.404	0.409	0.386	0.395	3	*
4-METHYL-2-PENTANONE (VX#35)	0.827	0.785	0.811	0.877	0.790	0.818	5	
2-HEXANONE (VX#36)	0.960	0.854	0.807	0.829	0.717	0.833	11	
TETRACHLOROETHYLENE (VX#37)	0.495	0.447	0.422	0.396	0.321	0.416	15	
1,1,2,2,-TETRACHLOROETHANE (V	0.477	0.419	0.349	0.311	0.244	0.360	25	*
TOLUENE (VX#39)	0.955	0.936	0.868	0.856	0.775	0.878	8	*
CHLOROBENZENE (VX#40)	1.247	1.181	1.140	1.130	1.053	1.150	6	*
ETHYLBENZENE (VX#41)	0.705	0.678	0.726	0.703	0.583	0.679	8	*
STYRENE (VX#42)	1.352	1.232	1.413	1.445	1.266	1.342	7	
~~O-XYLENE (VX#43)~~	~~1.772~~	~~1.503~~	~~1.624~~	~~1.583~~	~~1.337~~	~~1.564~~	~~10~~	
TOTAL XYLENES (VX#44)	1.772	1.503	1.624	1.583	1.337	1.564	10	

RF - RELATIVE RESPONSE FACTOR
AVE RRF - AVERAGE RELATIVE RESPONSE FACTOR
%RSD - PERCENT RELATIVE STANDARD DEVIATION
* - CCC - CALIBRATION CHECK COMPOUNDS
** - SPCC - SYSTEM PERFORMANCE CHECK COMPOUNDS
MINIMUM AVE RRF FOR SPCC IS 0.300
MAXIMUM %RSD FOR CCC IS 30%

FORM VI

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

CASE NO: 7435
LABORATORY: SAIC
CONTRACT NO: 68-01-7143

INSTRUMENT ID: FINN1
CALIBRATION DATE: 07/08/87

7435-6-007

LABORATORY ID: SBNA20 SBNA50 SBNA80 SBNA120 SBNA160

COMPOUND	RF20	RF50	RF 80	RF120	RF160	AVE RRF	%RSD
PHENOL (DC#3)	1.167	1.445	1.307	1.372	1.326	1.324	8 *
BIS(2-CHLOROETHYL)ETHER (DC#5	0.945	1.217	1.050	1.071	1.038	1.064	9
2-CHLOROPHENOL (DC#6)	0.935	1.116	1.013	1.009	1.037	1.022	6
1,3-DICHLOROBENZENE (DC#7)	1.052	1.202	1.101	1.128	1.096	1.116	5
1,4-DICHLOROBENZENE (DC#8)	1.152	1.323	1.245	1.230	1.223	1.235	5 *
BENZYL ALCOHOL (DC#9 HSL)	0.577	0.728	0.638	0.632	0.670	0.649	8
1,2-DICHLOROBENZENE (DC#10)	1.075	1.241	1.123	1.033	1.089	1.112	7
2-METHYLPHENOL (DC#11)	1.022	1.179	1.086	1.000	0.938	1.045	9
BIS(2-CHLOROISOPROPYL)ETHER (	1.335	1.455	1.345	1.213	1.308	1.331	6
4-METHYLPHENOL (DC#13)	1.012	1.233	1.123	0.950	0.971	1.058	11
N-NITROSODI-N-PROPYLAMINE (DC	0.605	0.738	0.684	0.594	0.627	0.649	9 **
HEXACHLOROETHANE (DC#15)	0.435	0.566	0.513	0.450	0.485	0.490	11
NITROBENZENE (DC#21)	0.315	0.328	0.300	0.320	0.295	0.312	4
ISOPHORONE (DC#22)	0.547	0.565	0.521	0.555	0.479	0.534	6
2-NITROPHENOL (DC#23)	0.087	0.104	0.102	0.129	0.139	0.112	19 *
2,4-DIMETHYLPHENOL (DC#24)	0.250	0.247	0.244	0.261	0.241	0.248	3
BENZOIC ACID (DC#25)	0.000	0.117	0.125	0.157	0.170	0.142	18 +
BIS(2-CHLOROETHOXY)METHANE (D	0.352	0.370	0.328	0.359	0.329	0.348	5
2,4-DICHLOROPHENOL (DC#27)	0.202	0.212	0.210	0.212	0.212	0.209	2
1,2,4-TRICHLOROBENZENE (DC#28	0.265	0.260	0.250	0.267	0.237	0.256	5
NAPTHALENE (DC#29)	0.857	0.852	0.744	0.679	0.594	0.745	15
4-CHLOROANILINE (DC#30)	0.072	0.043	0.057	0.090	0.066	0.066	27
HEXACHLOROBUTADIENE (DC#31)	0.375	0.347	0.344	0.329	0.310	0.341	7 *
4-CHLORO-3-METHYL PHENOL (DC#	0.235	0.256	0.231	0.260	0.213	0.23[illegible]	8 *
2-METHYLNAPHTHALENE (DC#33 HS	0.602	0.576	0.546	0.505	0.419	0.530	14
HEXACHLOROCYCLOPENTADIENE (DC	0.187	0.294	0.346	0.332	0.455	0.323	30 **

RF - RELATIVE RESPONSE FACTOR
AVE RRF - AVERAGE RELATIVE RESPONSE FACTOR
%RSD - PERCENT RELATIVE STANDARD DEVIATION
* - CCC - CALIBRATION CHECK COMPOUNDS
** - SPCC - SYSTEM PERFORMANCE CHECK COMPOUNDS
MINIMUM AVE RRF FOR SPCC IS 0.05
MAXIMUM %RSD FOR CCC IS 30%
+ - NOT DETECTABLE AT 20NG

FORM VI

004447

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS
(PAGE 2)

CASE NO: 7435
LABORATORY: SAIC
CONTRACT NO: 68-01-7143

INSTRUMENT ID: FINN1
CALIBRATION DATE: 07/08/87

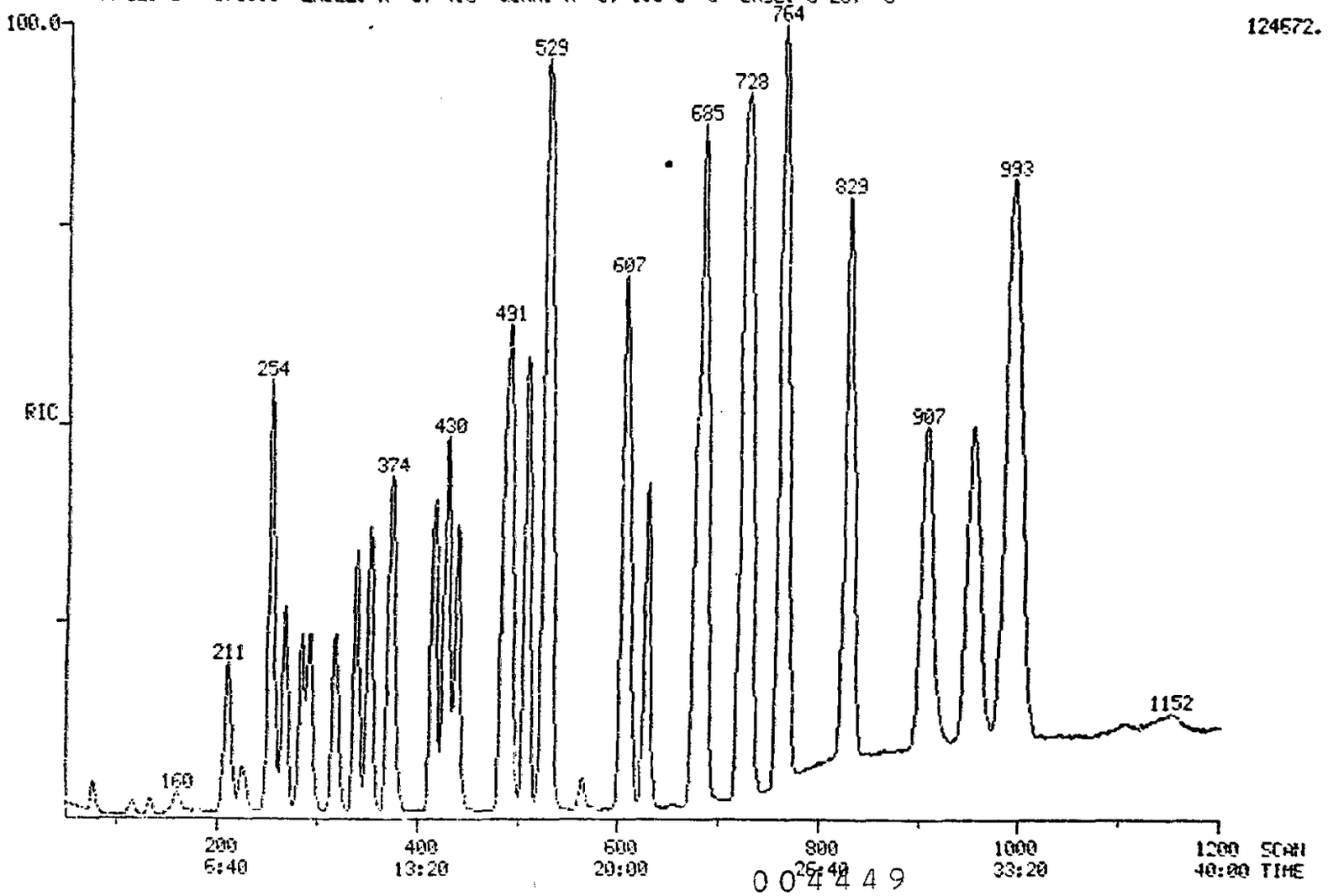
LABORATORY ID:	SBNA20	SBNA50	SBNA80	SBNA120	SBNA160			
COMPOUND	RF20	RF50	RF 80	RF120	RF160	AVE RRF	%RSD	
2,4,6-TRICHLOROPHENOL (DC#39)	0.447	0.527	0.479	0.425	0.484	0.472	8	*
2,4,5-TRICHLOROPHENOL (DC#40)	0.000	0.547	0.495	0.432	0.486	0.490	10	+
2-CHLORONAPHTHALENE (DC#41)	0.910	1.020	0.856	0.800	0.733	0.864	13	
2-NITROANILINE (DC#42 HSL)	0.000	0.205	0.186	0.185	0.184	0.190	5	+
DIMETHYL PHTHALATE (DC#43)	1.027	1.185	0.968	0.762	0.810	0.951	18	
ACENAPHTHYLENE (DC#44)	1.290	1.331	1.226	0.920	0.860	1.125	19	
3-NITROANILINE (DC#45 HSL)	0.000	0.115	0.119	0.123	0.108	0.116	5	+
ACENAPHTHENE (DC#46)	0.882	0.954	0.869	0.673	0.666	0.809	16	*
2,4-DINITROPHENOL (DC#47)	0.000	0.049	0.049	0.074	0.101	0.068	37	***
4-NITROPHENOL (DC#48)	0.000	0.142	0.136	0.148	0.160	0.147	7	***
DIBENZOFURAN (DC#49 HSL)	1.265	1.451	1.308	1.007	0.938	1.194	18	
2,4-DINITROTOLUENE (DC#50)	0.197	0.303	0.262	0.221	0.233	0.243	17	
2,6-DINITROTOLUENE (DC#51)	0.165	0.224	0.200	0.163	0.193	0.189	13	
DIETHYL PHTHALATE (DC#52)	1.077	1.066	0.998	0.928	0.789	0.972	12	
4-CHLOROPHENYL PHENYL ETHER (	0.987	0.968	0.914	0.770	0.623	0.852	18	
FLUORENE (DC#54)	1.047	1.074	0.909	0.831	0.669	0.906	18	
4-NITROANILINE (DC#55 HSL)	0.000	0.119	0.123	0.124	0.100	0.116	10	+
2-METHYL-4,6-DINITROPHENOL (D	0.000	0.047	0.047	0.080	0.073	0.062	28	+
N-NITROSODIPHENYLAMINE (DC#62	0.162	0.180	0.148	0.140	0.100	0.146	20	*
4-BROMOPHENYL PHENYL ETHER (D	0.277	0.242	0.232	0.247	0.169	0.233	17	
HEXACHLOROBENZENE (DC#64)	0.335	0.304	0.305	0.257	0.219	0.284	16	*
PENTACHLOROPHENOL (DC#65)	0.000	0.172	0.161	0.205	0.145	0.171	15	+
PHENANTHRENE (DC#66)	0.712	0.673	0.575	0.498	0.410	0.574	22	
ANTHRACENE (DC#67)	0.645	0.663	0.533	0.550	0.405	0.559	18	
DI-N-BUTYL PHTHALATE (DC#68)	0.775	0.715	0.560	0.619	0.449	0.623	21	
FLUORANTHENE (DC#69)	1.257	1.170	1.013	0.943	0.775	1.032	18	*
[redacted]								+
PYRENE (DC#74)	3.030	2.167	2.106	1.857	1.965	2.225	21	
BUTYLBENZYLPHTHALATE (DC#75)	0.565	0.531	0.606	0.537	0.571	0.562	5	
3,3'-DICHLOROBENZIDINE (DC#76	0.137	0.120	0.135	0.140	0.148	0.136	8	
BENZO(A)ANTHRACENE (DC#77)	2.667	2.338	2.081	2.166	2.182	2.287	10	
BIS(2-ETHYLHEXYL)PHTHALATE (D	0.850	0.708	0.815	0.782	0.839	0.799	7	
CHRYSENE (DC#79)	3.055	2.430	2.287	2.044	2.114	2.386	17	
DI-N-OCTYL PHTHALATE (DC#84)	0.807	1.011	0.805	0.735	0.812	0.834	12	*
BENZO(B)FLUORANTHENE (DC#85)	1.565	1.675	1.535	1.157	1.339	1.454	14	
BENZO(K)FLUORANTHENE (DC#86)	1.682	1.670	1.372	1.152	1.217	1.419	17	
BENZO(A)PYRENE (DC#87)	1.262	1.203	1.195	1.045	1.010	1.143	10	*
INDENO(1,2,3-C,D)PYRENE (DC#8	1.242	1.208	1.399	1.445	1.410	1.341	8	
DIBENZ(A,H)ANTHACENE (DC#89)	1.085	1.126	1.207	1.295	1.280	1.198	8	
BENZO(G,H,I)PERYLENE (DC#90)	1.432	1.296	1.503	1.385	1.483	1.420	6	

RF - RELATIVE RESPONSE FACTOR
AVE RRF - AVERAGE RELATIVE RESPONSE FACTOR
%RSD - PERCENT RELATIVE STANDARD DEVIATION
* - CCC - CALIBRATION CHECK COMPOUNDS
** - SPCC - SYSTEM PERFORMANCE CHECK COMPOUNDS
MINIMUM AVE RRF FOR SPCC IS 0.05
MAXIMUM %RSD FOR CCC IS 30%
+ - NOT DETECTABLE AT 20NG

RIC
06/15/87 5:50:00
SAMPLE: VOA STD 250 NG
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
RANGE: G 1,1300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V50JUN15 #1
CALI: FCJUN15 #106

SCANS 50 TO 1200



00034

7435-6-006

004449

QUANTITATION REPORT FILE: VTEMP

DATA: V50JUN15.TI
06/15/87 5:50:00
SAMPLE VOA STD 250 NG
CONDS. 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
STANDARD ID: --- INSTRUMENT: FINN2
SENSITIVITY ID: 9JUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#46)
7	45V CHLOROMETHANE (VX#2)
8	46V BROMOMETHANE (VX#3)
9	88V VINYL CHLORIDE (VX#4)
10	16V CHLOROETHANE (VX#5)
11	44V METHYLENE CHLORIDE (VX#6)
12	13H ACETONE (VX#7)
13	15H CARBON DISULFIDE (VX#8)
14	29V 1,1-DICHLOROETHYLENE (VX#9)
15	13V 1/1-DICHLOROETHANE (VX#10)
16	30V TRANS-1,2-DICHLOROETHYLENE (VX#11)
17	23V CHLOROFORM (VX#12)
18	10V 1,2-DICHLOROETHANE (VX#13)
19	14H 2-BUTANONE (VX#18)
20	11V 1,1,1-TRICHLOROETHANE (VX#19)
21	6V CARBON TETRACHLORIDE (VX#20)
22	19H VINYL ACETATE (VX#21)
23	48V BROMODICHLOROMETHANE (VX#22)
24	32V 1,2-DICHLOROPROPANE (VX#23)
25	33VT TRANS-1,3-DICHLOROPROPENE (VX#24)
26	87V TRICHLOROETHYLENE (VX#25)
27	51V DIBROMOCHLOROMETHANE (VX#26)
28	14V 1,1,2-TRICHLOROETHANE (VX#27)
29	4V BENZENE (VX#28)
30	33VC CIS-1,3-DICHLOROPROPENE (VX#29)
31	19V 2-CHLOROETHYLVINYL ETHER (VX#30)
32	47V BROMOFORM (VX#31)
33	17H 4-METHYL-2-PENTANONE (VX#35)
34	16H 2-HEXANONE (VX#36)
35	85V TETRACHLOROETHYLENE (VX#37)
36	15V 1,1,2,2,-TETRACHLOROETHANE (VX#38)
37	86V TOLUENE (VX#39)
38	7V CHLOROBENZENE (VX#40)
39	38V ETHYLBENZENE (VX#41)
40	18V STYRENE (VX#42)
~~41~~	~~O-XYLENE (VX#43)~~
42	20H TOTAL XYLENES (VX#44)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	293	9:46	1	1.000	A BB	32374.	50.000 **	2.38
2	114	605	20:10	2	1.000	A?BV	263727.	50.000 **	2.38

004450

00035

004450

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
3	117	761	25:22	3	1.000	A?BV	220463.	50.000 **	2.38
4	65	372	12:24	1	1.270	A BB	71984.	50.000 **	2.38
5	98	724	24:08	3	0.951	A BB	311659.	50.000 **	2.38
6	95	907	30:14	3	1.192	A?VB	183026.	50.000 **	2.38
7	50	77	2:34	1	0.263	A BB	20538.	50.000 **	2.38
8	94	117	3:54	1	0.399	A BB	6633.	50.000 **	2.38
9	62	134	4:28	1	0.457	A BB	9654.	50.000 **	2.38
10	64	160	5:20	1	0.546	A BB	15587.	50.000 **	2.38
11	84	211	7:02	1	0.720	A BB	49266.	50.000 **	2.38
12	43	226	7:32	1	0.771	A BB	45675.	50.000 **	2.38
13	76	254	8:28	1	0.867	A BB	343873.	50.000 **	2.38
14	96	284	9:28	1	0.969	A BB	41041.	50.000 **	2.38
15	63	318	10:36	1	1.085	A BB	128010.	50.000 **	2.38
16	96	339	11:18	1	1.157	A BB	66176.	50.000 **	2.38
17	83	353	11:46	1	1.205	A BB	135725.	50.000 **	2.38
18	62	376	12:32	1	1.283	A BB	96659.	50.000 **	2.38
19	72	374	12:28	2	0.618	A BB	11677.	50.000 **	2.38
20	97	417	13:54	2	0.689	A BB	101019.	50.000 **	2.38
21	117	429	14:18	2	0.709	A BB	114586.	50.000 **	2.38
22	43	430	14:20	2	0.711	A BB	86456.	50.000 **	2.39
23	83	440	14:40	2	0.727	A BB	125357.	50.000 **	2.38
24	63	486	16:12	2	0.803	A BB	97079.	50.000 **	2.38
25	75	492	16:24	2	0.813	A BB	181140.	50.000 **	2.38
26	130	509	16:58	2	0.841	A BB	104635.	50.000 **	2.38
27	129	526	17:32	2	0.869	A BB	106391.	50.000 **	2.38
28	97	531	17:42	2	0.878	A BB	55824.	50.000 **	2.38
29	78	527	17:34	2	0.871	A BB	195703.	50.000 **	2.38
30	75	532	17:44	2	0.879	A BB	108778.	50.000 **	2.38
31	63	565	18:50	2	0.934	A BB	8048.	50.000 **	2.38
32	173	610	20:20	2	1.008	A BB	103862.	50.000 **	2.38
33	43	62[illegible]	20:58	3	0.827	A?BB	173169.	50.000 **	2.38
34	43	6[illegible]	22:34	3	0.890	A?BB	188290.	50.000 **	2.38
35	164	686	22.52	3	0.901	A BB	98617.	50.000 **	2.38
36	83	682	22:44	3	0.896	A?BB	92429.	50.000 **	2.38
37	92	730	24:20	3	0.959	A BB	206440.	50.000 **	2.38
38	112	766	25:32	3	1.007	A BB	260376.	50.000 **	2.38
39	106	830	27:40	3	1.091	A BB	149540.	50.000 **	2.38
40	104	954	31:48	3	1.254	A BB	271717.	50.000 **	2.38
~~41~~	~~106~~	~~993~~	~~33:06~~	~~3~~	~~1.305~~	~~A BB~~	~~331277.~~	~~50.000 **~~	~~2.38~~
42	106	993	33:06	3	1.305	A BB	331277.	50.000 **	2.38

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:46	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:22	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:24	1.00	1.270	1.00	50.00	50.00	2.224	2.224	1.00
5	24:08	1.00	0.951	1.00	50.00	50.00	1.414	1.414	1.00
6	30:14	1.00	1.192	1.00	50.00	50.00	0.830	0.830	1.00
7	2:34	1.00	0.263	1.00	50.00	50.00	0.634	0.634	1.00
8	3:54	1.00	0.399	1.00	50.00	50.00	0.205	0.205	1.00
9	4:28	1.00	0.457	1.00	50.00	50.00	0.298	0.298	1.00
10	5:20	1.00	0.546	1.00	50.00	50.00	0.481	0.481	1.00
11	7:02	1.00	0.720	1.00	50.00	50.00	1.522	1.522	1.00
12	7:32	1.00	0.771	1.00	50.00	50.00	1.411	1.411	1.00
13	8:28	1.00	0.867	1.00	50.00	50.00	10.622	10.622	1.00
14	9:28	1.00	0.969	1.00	50.00	50.00	1.268	1.268	1.00

004451

ND	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	10 36	1.00	1.085	1.00	50.00	50.00	3.954	3.954	1.00
16	11 18	1.00	1.157	1.00	50.00	50.00	2.044	2.044	1.00
17	11 46	1.00	1.203	1.00	50.00	50.00	4.192	4.192	1.00
18	12 32	1.00	1.283	1.00	50.00	50.00	2.986	2.986	1.00
19	12 28	1.00	0.618	1.00	50.00	50.00	0.044	0.044	1.00
20	13 54	1.00	0.689	1.00	50.00	50.00	0.383	0.383	1.00
21	14 18	1.00	0.709	1.00	50.00	50.00	0.434	0.434	1.00
22	14 20	1.00	0.711	1.00	50.00	50.00	0.328	0.328	1.00
23	14 40	1.00	0.727	1.00	50.00	50.00	0.475	0.475	1.00
24	16 12	1.00	0.803	1.00	50.00	50.00	0.368	0.368	1.00
25	16:24	1.00	0.813	1.00	50.00	50.00	0.687	0.687	1.00
26	16:58	1.00	0.841	1.00	50.00	50.00	0.397	0.397	1.00
27	17:32	1.00	0.869	1.00	50.00	50.00	0.403	0.403	1.00
28	17:42	1.00	0.878	1.00	50.00	50.00	0.212	0.212	1.00
29	17:34	1.00	0.871	1.00	50.00	50.00	0.742	0.742	1.00
30	17:44	1.00	0.879	1.00	50.00	50.00	0.412	0.412	1.00
31	18.50	1.00	0.934	1.00	50.00	50.00	0.031	0.031	1.00
32	20.20	1.00	1.008	1.00	50.00	50.00	0.394	0.394	1.00
33	20:58	1.00	0.827	1.00	50.00	50.00	0.785	0.785	1.00
34	22:34	1.00	0.890	1.00	50.00	50.00	0.854	0.854	1.00
35	22:52	1.00	0.901	1.00	50.00	50.00	0.447	0.447	1.00
36	22:44	1.00	0.896	1.00	50.00	50.00	0.419	0.419	1.00
37	24:20	1.00	0.959	1.00	50.00	50.00	0.936	0.936	1.00
38	25:32	1.00	1.007	1.00	50.00	50.00	1.181	1.181	1.00
39	27:40	1.00	1.091	1.00	50.00	50.00	0.678	0.678	1.00
40	31:48	1.00	1.254	1.00	50.00	50.00	1.232	1.232	1.00
41	33.06	1.00	1.305	1.00	50.00	50.00	1.503	1.503	1.00
42	33:06	1.00	1.305	1.00	50.00	50.00	1.503	1.503	1.00

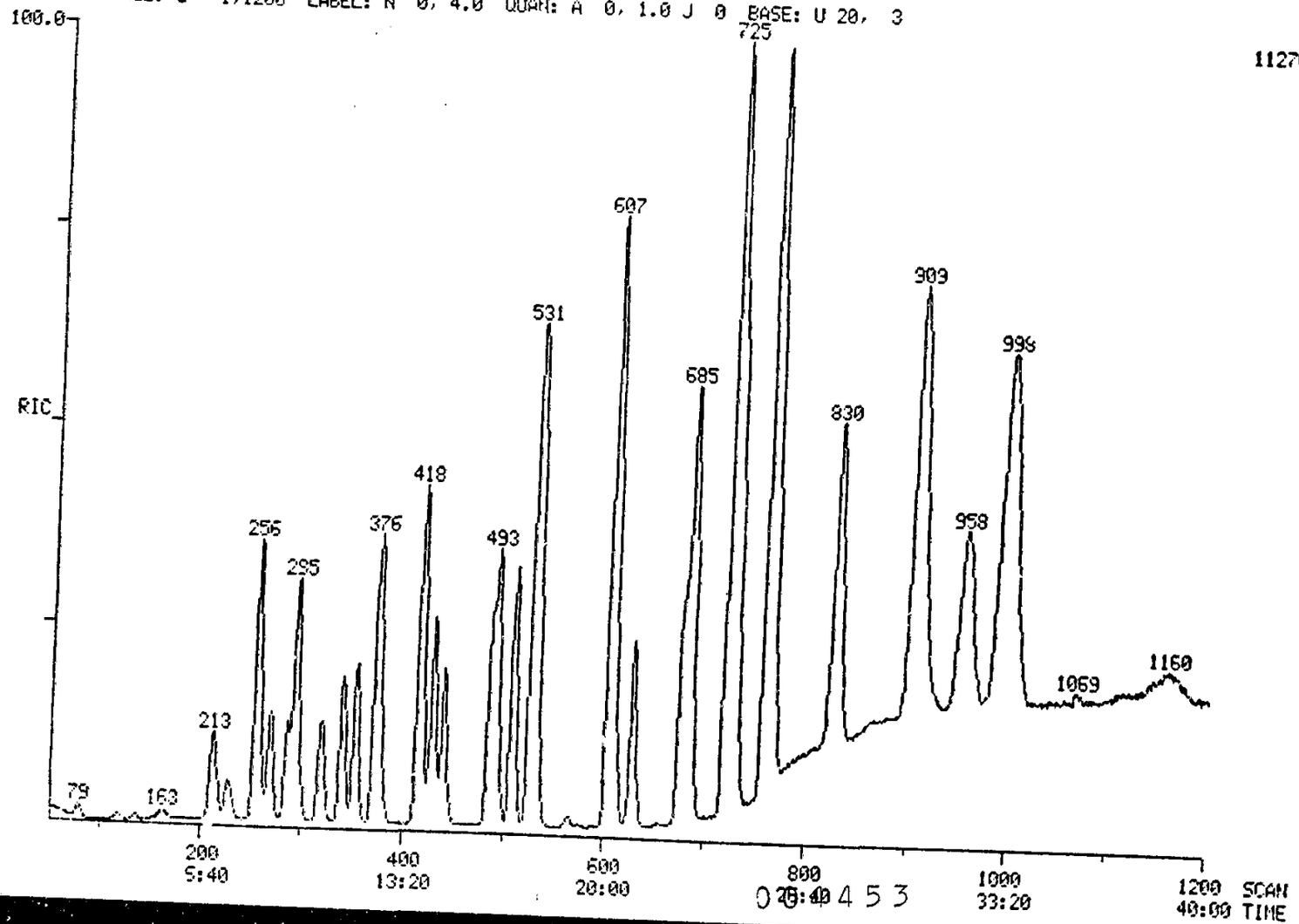
004452

RIC
06/15/87 6:36:00
SAMPLE: VOA STD 100 NG
CONDS.: 45 DG FOR 3MIN.8.0 DG/MIN TO 200 DG.HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V20JUN15 #1
CALI: FCJUN15 #106

SCANS 50 TO 1200

112768.



00038

004453

004453

QUANTITATION REPORT FILE: VTEMP

DATA V20JUN15 TI
06/15/87 6:36:00
SAMPLE: VOA STD 100 NG
CONDS : 45 DG FOR 3MIN, 8.0 DG/MIN TO 200 DG, HOLD
STANDARD ID: V50JUN15
SENSITIVITY ID: BJUN15
INSTRUMENT: FINN2
ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#46)
7	45V CHLOROMETHANE (VX#2)
8	46V BROMOMETHANE (VX#3)
9	88V VINYL CHLORIDE (VX#4)
10	16V CHLOROETHANE (VX#5)
11	44V METHYLENE CHLORIDE (VX#6)
12	13H ACETONE (VX#7)
13	15H CARBON DISULFIDE (VX#8)
14	29V 1,1-DICHLOROETHYLENE (VX#9)
15	13V 1/1-DICHLOROETHANE (VX#10)
16	30V TRANS-1,2-DICHLOROETHYLENE (VX#11)
17	23V CHLOROFORM (VX#12)
18	10V 1,2-DICHLOROETHANE (VX#13)
19	14H 2-BUTANONE (VX#18)
20	11V 1,1,1-TRICHLOROETHANE (VX#19)
21	6V CARBON TETRACHLORIDE (VX#20)
22	19H VINYL ACETATE (VX#21)
23	48V BROMODICHLOROMETHANE (VX#22)
24	32V 1,2-DICHLOROPROPANE (VX#23)
25	33VT TRANS-1,3-DICHLOROPROPENE (VX#24)
26	87V TRICHLOROETHYLENE (VX#25)
27	51V DIBROMOCHLOROMETHANE (VX#26)
28	14V 1,1,2-TRICHLOROETHANE (VX#27)
29	4V BENZENE (VX#28)
30	33VC CIS-1,3-DICHLOROPROPENE (VX#29)
31	19V 2-CHLOROETHYLVINYL ETHER (VX#30)
32	47V BROMOFORM (VX#31)
33	17H 4-METHYL-2-PENTANONE (VX#35)
34	16H 2-HEXANONE (VX#36)
35	85V TETRACHLOROETHYLENE (VX#37)
36	15V 1,1,2,2,-TETRACHLOROETHANE (VX#38)
37	86V TOLUENE (VX#39)
38	7V CHLOROBENZENE (VX#40)
39	38V ETHYLBENZENE (VX#41)
40	18V STYRENE (VX#42)
~~41~~	~~O-XYLENE (VX#43)~~
42	20H TOTAL XYLENES (VX#44)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	294	9:48	1	1.000	A BB	40835.	50.000 **	4.90
2	114	606	20:12	2	1.000	A BB	300050.	50.000 **	4.90

004454

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	762	25:24	3	1.000	A BB	263620.	50.000	**	4.90
4	65	374	12:28	1	1.272	A?BB	82946.	50.000	**	4.90
5	98	724	24:08	3	0.950	A BB	351454.	50.000	**	4.90
6	95	909	30:18	3	1.193	A BB	227499.	50.000	**	4.90
7	50	79	2:38	1	0.269	A BB	8370.	20.000	**	1.96
8	94	118	3:56	1	0.401	A BB	2320.	20.000	**	1.96
9	62	136	4:32	1	0.463	A BB	3532.	20.000	**	1.96
10	64	162	5:24	1	0.551	A BB	6798.	20.000	**	1.96
11	84	213	7:06	1	0.724	A BB	25289.	20.000	**	1.96
12	43	228	7:36	1	0.776	A BB	35769.	20.000	**	1.96
13	76	256	8:32	1	0.871	A BB	181984.	20.000	**	1.96
14	96	287	9:34	1	0.976	A BB	20086.	20.000	**	1.96
15	63	321	10:42	1	1.092	A BB	63238.	20.000	**	1.96
16	96	341	11:22	1	1.160	A BB	32269.	20.000	**	1.96
17	83	355	11:50	1	1.207	A BB	65689.	20.000	**	1.96
18	62	378	12:36	1	1.286	A?BB	44767.	20.000	**	1.96
19	72	376	12:32	2	0.620	A BB	5506.	20.000	**	1.96
20	97	419	13:58	2	0.691	A BB	43914.	20.000	**	1.96
21	117	431	14:22	2	0.711	A BB	53566.	20.000	**	1.96
22	43	432	14:24	2	0.713	A?VB	40511.	20.000	**	1.96
23	83	442	14:44	2	0.729	A BB	58534.	20.000	**	1.96
24	63	487	16:14	2	0.804	A BB	47450.	20.000	**	1.96
25	75	494	16:28	2	0.815	A BB	89542.	20.000	**	1.96
26	130	510	17:00	2	0.842	A BB	51242.	20.000	**	1.96
27	129	528	17:36	2	0.871	A?BV	55312.	20.000	**	1.96
28	97	532	17:44	2	0.878	A BB	30868.	20.000	**	1.96
29	78	529	17:38	2	0.873	A BB	113230.	20.000	**	1.96
30	75	533	17:46	2	0.880	A BB	59169.	20.000	**	1.96
31	63	566	18:52	2	0.934	A BB	2292.	20.000	**	1.96
32	173	611	20:22	2	1.008	A BB	45779.	20.000	**	1.96
33	43	630	21:00	3	0.827	A?BB	87156.	20.000	**	1.96
34	43	677	22:34	3	0.888	A?BB	101293.	20.000	**	1.96
35	164	686	22:52	3	0.900	A BB	52281.	20.000	**	1.96
36	83	683	22:46	3	0.896	A?BB	50463.	20.000	**	1.96
37	92	731	24:22	3	0.959	A BB	100706.	20.000	**	1.96
38	112	767	25:34	3	1.007	A BB	131590.	20.000	**	1.96
39	106	830	27:40	3	1.089	A BB	74337.	20.000	**	1.96
40	104	957	31:54	3	1.256	A BB	142632.	20.000	**	1.96
~~41~~	~~106~~	~~998~~	~~33:16~~	~~3~~	~~1.310~~	~~A?BB~~	~~186984.~~	~~20.000~~	~~**~~	~~1.96~~
42	106	998	33:16	3	1.310	A?BB	186984.	20.000	**	1.96

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:48	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:24	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:28	1.00	1.272	1.00	50.00	50.00	2.031	2.031	1.00
5	24.08	1.00	0.950	1.00	50.00	50.00	1.333	1.333	1.00
6	30:18	1.00	1.193	1.00	50.00	50.00	0.863	0.863	1.00
7	2:38	1.00	0.269	1.00	20.00	20.00	0.512	0.512	1.00
8	3:56	1.00	0.401	1.00	20.00	20.00	0.142	0.142	1.00
9	4:32	1.00	0.463	1.00	20.00	20.00	0.216	0.216	1.00
10	5:24	1.00	0.551	1.00	20.00	20.00	0.416	0.416	1.00
11	7:06	1.00	0.724	1.00	20.00	20.00	1.548	1.548	1.00
12	7:36	1.00	0.776	1.00	20.00	20.00	2.190	2.190	1.00
13	8:32	1.00	0.871	1.00	20.00	20.00	11.141	11.141	1.00
14	9:34	1.00	0.976	1.00	20.00	20.00	1.230	1.230	1.00

004455

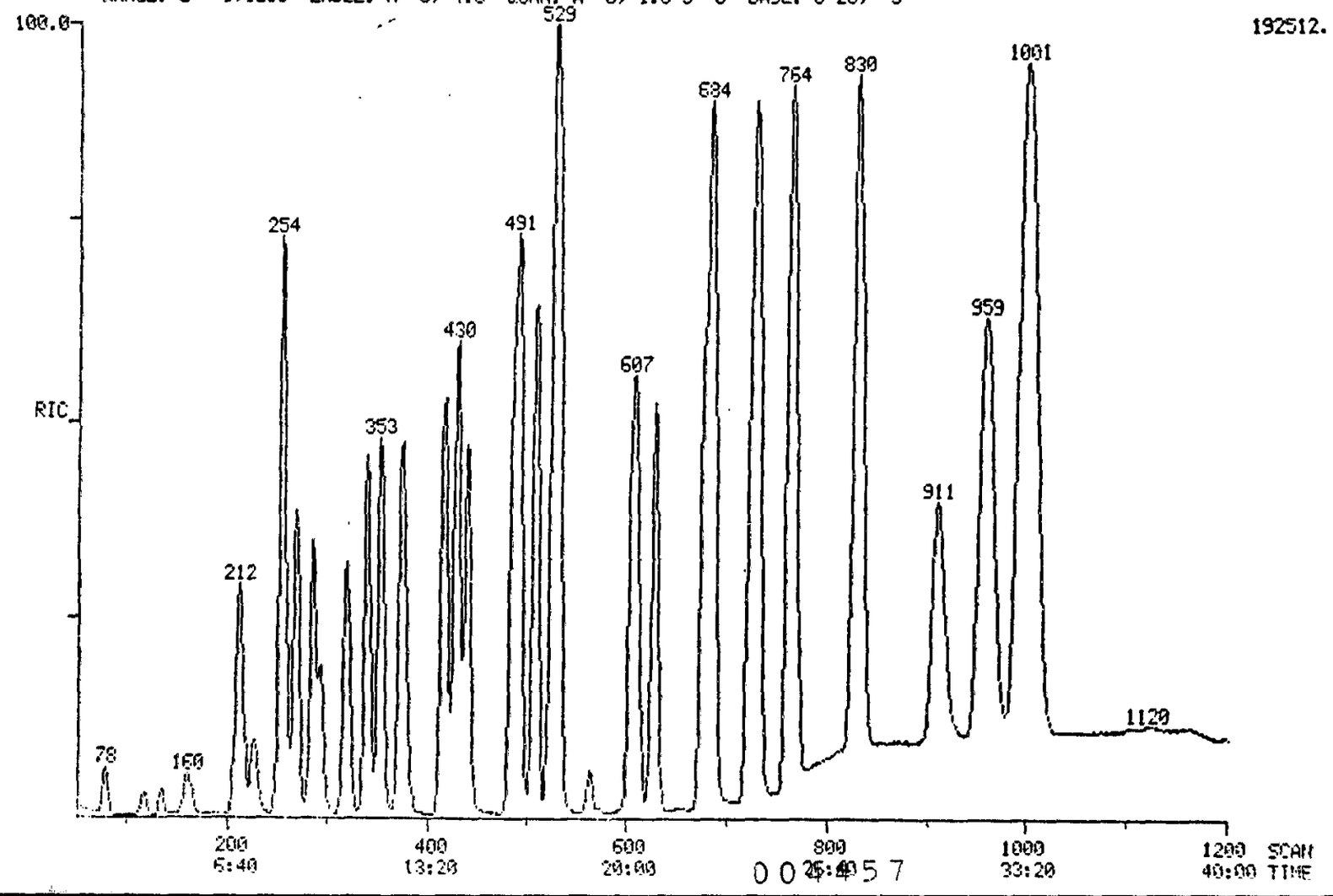
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	10:42	1.00	1.092	1.00	20.00	20.00	3.872	3.872	1.00
16	11:22	1.00	1.160	1.00	20.00	20.00	1.976	1.976	1.00
17	11:50	1.00	1.207	1.00	20.00	20.00	4.022	4.022	1.00
18	12:36	1.00	1.286	1.00	20.00	20.00	2.741	2.741	1.00
19	12:32	1.00	0.620	1.00	20.00	20.00	0.046	0.046	1.00
20	13:58	1.00	0.691	1.00	20.00	20.00	0.366	0.366	1.00
21	14:22	1.00	0.711	1.00	20.00	20.00	0.446	0.446	1.00
22	14:24	1.00	0.713	1.00	20.00	20.00	0.338	0.338	1.00
23	14:44	1.00	0.729	1.00	20.00	20.00	0.488	0.488	1.00
24	16:14	1.00	0.804	1.00	20.00	20.00	0.395	0.395	1.00
25	16:28	1.00	0.815	1.00	20.00	20.00	0.746	0.746	1.00
26	17:00	1.00	0.842	1.00	20.00	20.00	0.427	0.427	1.00
27	17:36	1.00	0.871	1.00	20.00	20.00	0.461	0.461	1.00
28	17:44	1.00	0.878	1.00	20.00	20.00	0.257	0.257	1.00
29	17:38	1.00	0.873	1.00	20.00	20.00	0.943	0.943	1.00
30	17:46	1.00	0.880	1.00	20.00	20.00	0.493	0.493	1.00
31	18:52	1.00	0.934	1.00	20.00	20.00	0.019	0.019	1.00
32	20:22	1.00	1.008	1.00	20.00	20.00	0.381	0.381	1.00
33	21:00	1.00	0.827	1.00	20.00	20.00	0.827	0.827	1.00
34	22:34	1.00	0.888	1.00	20.00	20.00	0.961	0.961	1.00
35	22:52	1.00	0.900	1.00	20.00	20.00	0.496	0.496	1.00
36	22:46	1.00	0.896	1.00	20.00	20.00	0.479	0.479	1.00
37	24:22	1.00	0.959	1.00	20.00	20.00	0.955	0.955	1.00
38	25:34	1.00	1.007	1.00	20.00	20.00	1.248	1.248	1.00
39	27:40	1.00	1.089	1.00	20.00	20.00	0.705	0.705	1.00
40	31:54	1.00	1.256	1.00	20.00	20.00	1.353	1.353	1.00
41	33:16	1.00	1.310	1.00	20.00	20.00	1.773	1.773	1.00
42	33:16	1.00	1.310	1.00	20.00	20.00	1.773	1.773	1.00

004456

RIC
06/15/87 7:20:00
SAMPLE: VOA STD 500 NG
CONDS.: 45 DC FOR 3MIN,8.0 DC/MIN TO 200 DC,HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V100JUN15 #1
CALI: FCJUN15 #106

SCANS 50 TO 1200



00042

0 0 4 4 5 7

004457

QUANTITATION REPORT FILE: VTEMP

DATA: V100JUN15.TI
06/15/87 7:20:00
SAMPLE: VOA STD 500 NG
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
STANDARD ID: V50JUN15 INSTRUMENT: FINN2
SENSITIVITY ID: BJUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#46)
7	45V CHLOROMETHANE (VX#2)
8	46V BROMOMETHANE (VX#3)
9	88V VINYL CHLORIDE (VX#4)
10	16V CHLOROETHANE (VX#5)
11	44V METHYLENE CHLORIDE (VX#6)
12	13H ACETONE (VX#7)
13	15H CARBON DISULFIDE (VX#8)
14	29V 1,1-DICHLOROETHYLENE (VX#9)
15	13V 1/1-DICHLOROETHANE (VX#10)
16	30V TRANS-1,2-DICHLOROETHYLENE (VX#11)
17	23V CHLOROFORM (VX#12)
18	10V 1,2-DICHLOROETHANE (VX#13)
19	14H 2-BUTANONE (VX#18)
20	11V 1,1,1-TRICHLOROETHANE (VX#19)
21	6V CARBON TETRACHLORIDE (VX#20)
22	19H VINYL ACETATE (VX#21)
23	48V BROMODICHLOROMETHANE (VX#22)
24	32V 1,2-DICHLOROPROPANE (VX#23)
25	33VT TRANS-1,3-DICHLOROPROPENE (VX#24)
26	87V TRICHLOROETHYLENE (VX#25)
27	51V DIBROMOCHLOROMETHANE (VX#26)
28	14V 1,1,2-TRICHLOROETHANE (VX#27)
29	4V BENZENE (VX#28)
30	33VC CIS-1,3-DICHLOROPROPENE (VX#29)
31	19V 2-CHLOROETHYLVINYL ETHER (VX#30)
32	47V BROMOFORM (VX#31)
33	17H 4-METHYL-2-PENTANONE (VX#35)
34	16H 2-HEXANONE (VX#36)
35	85V TETRACHLOROETHYLENE (VX#37)
36	15V 1,1,2,2,-TETRACHLOROETHANE (VX#38)
37	86V TOLUENE (VX#39)
38	7V CHLOROBENZENE (VX#40)
39	38V ETHYLBENZENE (VX#41)
40	18V STYRENE (VX#42)
~~41~~	~~O-XYLENE (VX#43)~~
42	20H TOTAL XYLENES (VX#44)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	293	9:46	1	1.000	A BB	38553.	50.000 **	1.28
2	114	604	20:08	2	1.000	A BB	262422.	50.000 **	1.28

004458

00043

004458

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	760	25:20	3	1.000	A BB	208845.	50.000	**	1.28
4	65	373	12:26	1	1.273	GEDT	78289.	50.000	**	1.28
5	98	723	24:06	3	0.951	A BB	298666.	50.000	**	1.28
6	95	911	30:22	3	1.199	A BB	219197.	50.000	**	1.28
7	50	78	2:36	1	0.266	A BB	47126.	100.000	**	2.56
8	94	117	3:54	1	0.399	A?BB	17687.	100.000	**	2.56
9	62	134	4:28	1	0.457	A BB	25894.	100.000	**	2.56
10	64	160	5:20	1	0.546	A BB	50465.	100.000	**	2.56
11	84	211	7:02	1	0.720	A BB	122968.	100.000	**	2.56
12	43	226	7:32	1	0.771	A BB	112873.	100.000	**	2.56
13	76	254	8:28	1	0.867	A?BB	729446.	100.000	**	2.56
14	96	285	9:30	1	0.973	A BB	99837.	100.000	**	2.56
15	63	319	10:38	1	1.089	A BB	270723.	100.000	**	2.56
16	96	339	11:18	1	1.157	A BB	144662.	100.000	**	2.56
17	83	353	11:46	1	1.205	A BB	277233.	100.000	**	2.56
18	62	376	12:32	1	1.283	A BB	195903.	100.000	**	2.56
19	72	374	12:28	2	0.619	A BB	26174.	100.000	**	2.56
20	97	418	13:56	2	0.692	A BB	186031.	100.000	**	2.56
21	117	429	14:18	2	0.710	A BB	229141.	100.000	**	2.56
22	43	431	14:22	2	0.714	A?VB	166001.	100.000	**	2.56
23	83	440	14:40	2	0.728	A BB	249808.	100.000	**	2.56
24	63	485	16:10	2	0.803	A BB	177276.	100.000	**	2.56
25	75	492	16:24	2	0.815	A BB	327240.	100.000	**	2.56
26	130	509	16:58	2	0.843	A BB	187823.	100.000	**	2.56
27	129	525	17:30	2	0.869	A BB	178930.	100.000	**	2.56
28	97	531	17:42	2	0.879	A BB	92654.	100.000	**	2.56
29	78	527	17:34	2	0.873	A BB	305817.	100.000	**	2.56
30	75	532	17:44	2	0.881	A BB	181056.	100.000	**	2.56
31	63	564	18:48	2	0.934	A BB	14935	100.000	**	2.56
32	173	609	20:18	2	1.008	A BB	212282.	100.000	**	2.56
33	43	628	20:56	3	0.826	A?BB	338937.	100.000	**	2.56
34	43	676	22:32	3	0.889	A?BB	337177.	100.000	**	2.56
35	164	685	22:50	3	0.901	A BB	176576.	100.000	**	2.56
36	83	681	22:42	3	0.896	A?BB	145757.	100.000	**	2.56
37	92	729	24:18	3	0.959	A BB	362493.	100.000	**	2.56
38	112	766	25:32	3	1.008	A BB	476287.	100.000	**	2.56
39	106	830	27:40	3	1.092	A BB	303316.	100.000	**	2.56
40	104	959	31:58	3	1.262	A BB	590153.	100.000	**	2.56
~~41~~	~~106~~	~~999~~	~~33:18~~	~~3~~	~~1.314~~	~~A?BB~~	~~678271.~~	~~100.000~~	~~**~~	~~2.56~~
42	106	999	33:18	3	1.314	A?BB	678271.	100.000	**	2.56

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:46	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:08	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:20	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:26	1.00	1.273	1.00	50.00	50.00	2.031	2.031	1.00
5	24.06	1.00	0.951	1.00	50.00	50.00	1.430	1.430	1.00
6	30:22	1.00	1.199	1.00	50.00	50.00	1.050	1.050	1.00
7	2:36	1.00	0.266	1.00	100.00	100.00	0.611	0.611	1.00
8	3:54	1.00	0.399	1.00	100.00	100.00	0.229	0.229	1.00
9	4:28	1.00	0.457	1.00	100.00	100.00	0.336	0.336	1.00
10	5:20	1.00	0.546	1.00	100.00	100.00	0.654	0.654	1.00
11	7:02	1.00	0.720	1.00	100.00	100.00	1.595	1.595	1.00
12	7:32	1.00	0.771	1.00	100.00	100.00	1.464	1.464	1.00
13	8:28	1.00	0.867	1.00	100.00	100.00	9.460	9.460	1.00
14	9:30	1.00	0.973	1.00	100.00	100.00	1.295	1.295	1.00

004459

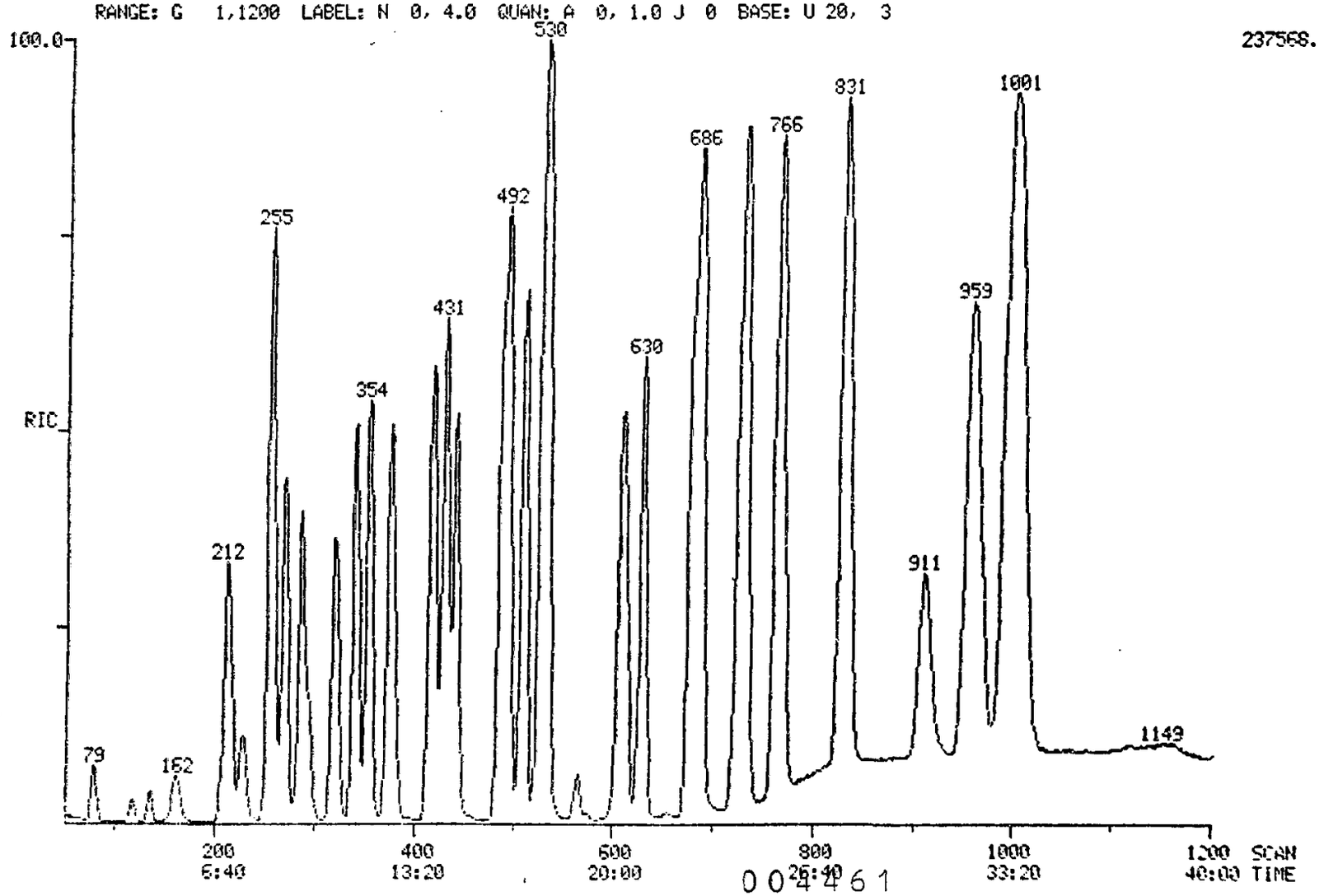
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	10:38	1.00	1.089	1.00	100.00	100.00	3.511	3.511	1.00
16	11:18	1.00	1.157	1.00	100.00	100.00	1.876	1.876	1.00
17	11:46	1.00	1.205	1.00	100.00	100.00	3.595	3.595	1.00
18	12:32	1.00	1.283	1.00	100.00	100.00	2.541	2.541	1.00
19	12:28	1.00	0.619	1.00	100.00	100.00	0.050	0.050	1.00
20	13:56	1.00	0.692	1.00	100.00	100.00	0.354	0.354	1.00
21	14.18	1.00	0.710	1.00	100.00	100.00	0.437	0.437	1.00
22	14:22	1.00	0.714	1.00	100.00	100.00	0.316	0.316	1.00
23	14:40	1.00	0.728	1.00	100.00	100.00	0.476	0.476	1.00
24	16.10	1.00	0.803	1.00	100.00	100.00	0.338	0.338	1.00
25	16:24	1.00	0.815	1.00	100.00	100.00	0.623	0.623	1.00
26	16:58	1.00	0.843	1.00	100.00	100.00	0.358	0.358	1.00
27	17:30	1.00	0.869	1.00	100.00	100.00	0.341	0.341	1.00
28	17:42	1.00	0.879	1.00	100.00	100.00	0.177	0.177	1.00
29	17:34	1.00	0.873	1.00	100.00	100.00	0.583	0.583	1.00
30	17:44	1.00	0.881	1.00	100.00	100.00	0.345	0.345	1.00
31	18:48	1.00	0.934	1.00	100.00	100.00	0.028	0.028	1.00
32	20:18	1.00	1.008	1.00	100.00	100.00	0.404	0.404	1.00
33	20:56	1.00	0.826	1.00	100.00	100.00	0.811	0.811	1.00
34	22:32	1.00	0.889	1.00	100.00	100.00	0.807	0.807	1.00
35	22:50	1.00	0.901	1.00	100.00	100.00	0.423	0.423	1.00
36	22:42	1.00	0.896	1.00	100.00	100.00	0.349	0.349	1.00
37	24:18	1.00	0.959	1.00	100.00	100.00	0.868	0.868	1.00
38	25:32	1.00	1.008	1.00	100.00	100.00	1.140	1.140	1.00
39	27:40	1.00	1.092	1.00	100.00	100.00	0.726	0.726	1.00
40	31:58	1.00	1.262	1.00	100.00	100.00	1.413	1.413	1.00
41	33.18	1.00	1.314	1.00	100.00	100.00	1.624	1.624	1.00
42	33:18	1.00	1.314	1.00	100.00	100.00	1.624	1.624	1.00

004460

RIC
06/15/87 8:02:00
SAMPLE: VOA STD 750 NG
CONDS.: 45 DG FOR 3MIN.8.0 DG/MIN TO 200 DG.HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V150JUN15 #1
CALI: FCJUN15 #106

SCANS 50 TO 1200



00046

004461

004461

QUANTITATION REPORT FILE: VTEMP

DATA: V150JUN15.TI
06/15/87 8:02:00
SAMPLE: VOA STD 750 NG
CONDS : 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
STANDARD ID: V50JUN15 INSTRUMENT: FINN2
SENSITIVITY ID: BJUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#46)
7	45V CHLOROMETHANE (VX#2)
8	46V BROMOMETHANE (VX#3)
9	88V VINYL CHLORIDE (VX#4)
10	16V CHLOROETHANE (VX#5)
11	44V METHYLENE CHLORIDE (VX#6)
12	13H ACETONE (VX#7)
13	15H CARBON DISULFIDE (VX#8)
14	29V 1,1-DICHLOROETHYLENE (VX#9)
15	13V 1/1-DICHLOROETHANE (VX#10)
16	30V TRANS-1,2-DICHLOROETHYLENE (VX#11)
17	23V CHLOROFORM (VX#12)
18	10V 1,2-DICHLOROETHANE (VX#13)
19	14H 2-BUTANONE (VX#18)
20	11V 1,1,1-TRICHLOROETHANE (VX#19)
21	6V CARBON TETRACHLORIDE (VX#20)
22	19H VINYL ACETATE (VX#21)
23	48V BROMODICHLOROMETHANE (VX#22)
24	32V 1,2-DICHLOROPROPANE (VX#23)
25	33VT TRANS-1,3-DICHLOROPROPENE (VX#24)
26	87V TRICHLOROETHYLENE (VX#25)
27	51V DIBROMOCHLOROMETHANE (VX#26)
28	14V 1,1,2-TRICHLOROETHANE (VX#27)
29	4V BENZENE (VX#28)
30	33VC CIS-1,3-DICHLOROPROPENE (VX#29)
31	19V 2-CHLOROETHYLVINYL ETHER (VX#30)
32	47V BROMOFORM (VX#31)
33	17H 4-METHYL-2-PENTANONE (VX#35)
34	16H 2-HEXANONE (VX#36)
35	85V TETRACHLOROETHYLENE (VX#37)
36	15V 1,1,2,2,-TETRACHLOROETHANE (VX#38)
37	86V TOLUENE (VX#39)
38	7V CHLOROBENZENE (VX#40)
39	38V ETHYLBENZENE (VX#41)
40	18V STYRENE (VX#42)
~~41~~	~~O-XYLENE (VX#43)~~
42	20H TOTAL XYLENES (VX#44)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	294	9:48	1	1.000	A BB	37849.	50.000 **	0.88
2	114	605	20:10	2	1.000	A BB	242269.	50.000 **	0.88

004462

00047

004462

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	761	25:22	3	1.000	A BB	189115.	50.000	**	0.88
4	65	373	12:26	1	1.269	A BB	76845.	50.000	**	0.88
5	98	724	24:08	3	0.951	A BB	282249.	50.000	**	0.88
6	95	911	30:22	3	1.197	A BB	212610.	50.000	**	0.88
7	50	79	2:38	1	0.269	A BB	72971.	150.000	**	2.63
8	94	118	3:56	1	0.401	A?BB	21326.	150.000	**	2.63
9	62	136	4:32	1	0.463	A BB	36936.	150.000	**	2.63
10	64	161	5:22	1	0.548	A BB	74065.	150.000	**	2.63
11	84	212	7:04	1	0.721	A BB	180536.	150.000	**	2.63
12	43	229	7:38	1	0.779	A?BB	166677.	150.000	**	2.63
13	76	256	8:32	1	0.871	A?BB	967705.	150.000	**	2.63
14	96	286	9:32	1	0.973	A BB	145252.	150.000	**	2.63
15	63	320	10:40	1	1.088	A BB	394371.	150.000	**	2.63
16	96	340	11:20	1	1.156	A BB	201782.	150.000	**	2.63
17	83	354	11:48	1	1.204	A BB	394518.	150.000	**	2.63
18	62	377	12:34	1	1.282	A BB	287628.	150.000	**	2.63
19	72	374	12:28	2	0.618	A BB	37598.	150.000	**	2.63
20	97	419	13:58	2	0.693	A BB	241054.	150.000	**	2.63
21	117	430	14:20	2	0.711	A BB	321736.	150.000	**	2.63
22	43	432	14:24	2	0.714	A?VB	216943.	150.000	**	2.63
23	83	441	14:42	2	0.729	A BB	351745.	150.000	**	2.63
24	63	487	16:14	2	0.805	A BB	244959.	150.000	**	2.63
25	75	494	16:28	2	0.817	A BB	448239.	150.000	**	2.63
26	130	510	17:00	2	0.843	A BB	257428.	150.000	**	2.63
27	129	526	17:32	2	0.865	A BB	230142.	150.000	**	2.63
28	97	532	17:44	2	0.879	A BB	118032.	150.000	**	2.63
29	78	528	17:36	2	0.873	A BB	381314.	150.000	**	2.63
30	75	533	17:46	2	0.881	A BB	240480.	150.000	**	2.63
31	63	566	18:52	2	0.936	A BB	19734.	150.000	**	2.63
32	173	611	20:22	2	1.010	A BB	297276.	150.000	**	2.63
33	43	630	21:00	3	0.828	A BB	497926.	150.000	**	2.63
34	43	677	22:34	3	0.890	A?BB	470606.	150.000	**	2.63
35	164	687	22:54	3	0.903	A BB	224903.	150.000	**	2.63
36	83	682	22:44	3	0.896	A?BB	176656.	150.000	**	2.63
37	92	731	24:22	3	0.961	A BB	486091.	150.000	**	2.63
38	112	767	25:34	3	1.008	A BB	641099.	150.000	**	2.63
39	106	831	27:42	3	1.092	A BB	399010.	150.000	**	2.63
40	104	959	31:58	3	1.260	A BB	820120.	150.000	**	2.63
~~41~~	~~106~~	~~999~~	~~33:18~~	~~3~~	~~1.313~~	~~A?BB~~	~~898224.~~	~~150.000~~	~~**~~	~~2.63~~
42	106	999	33:18	3	1.313	A?BB	898224.	150.000	**	2.63

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:48	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:22	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:26	1.00	1.269	1.00	50.00	50.00	2.030	2.030	1.00
5	24:08	1.00	0.951	1.00	50.00	50.00	1.492	1.492	1.00
6	30:22	1.00	1.197	1.00	50.00	50.00	1.124	1.124	1.00
7	2:38	1.00	0.269	1.00	150.00	150.00	0.643	0.643	1.00
8	3:56	1.00	0.401	1.00	150.00	150.00	0.188	0.188	1.00
9	4:32	1.00	0.463	1.00	150.00	150.00	0.325	0.325	1.00
10	5:22	1.00	0.548	1.00	150.00	150.00	0.652	0.652	1.00
11	7:04	1.00	0.721	1.00	150.00	150.00	1.590	1.590	1.00
12	7:38	1.00	0.779	1.00	150.00	150.00	1.468	1.468	1.00
13	8:32	1.00	0.871	1.00	150.00	150.00	8.522	8.522	1.00
14	9:32	1.00	0.973	1.00	150.00	150.00	1.279	1.279	1.00

004463

00048

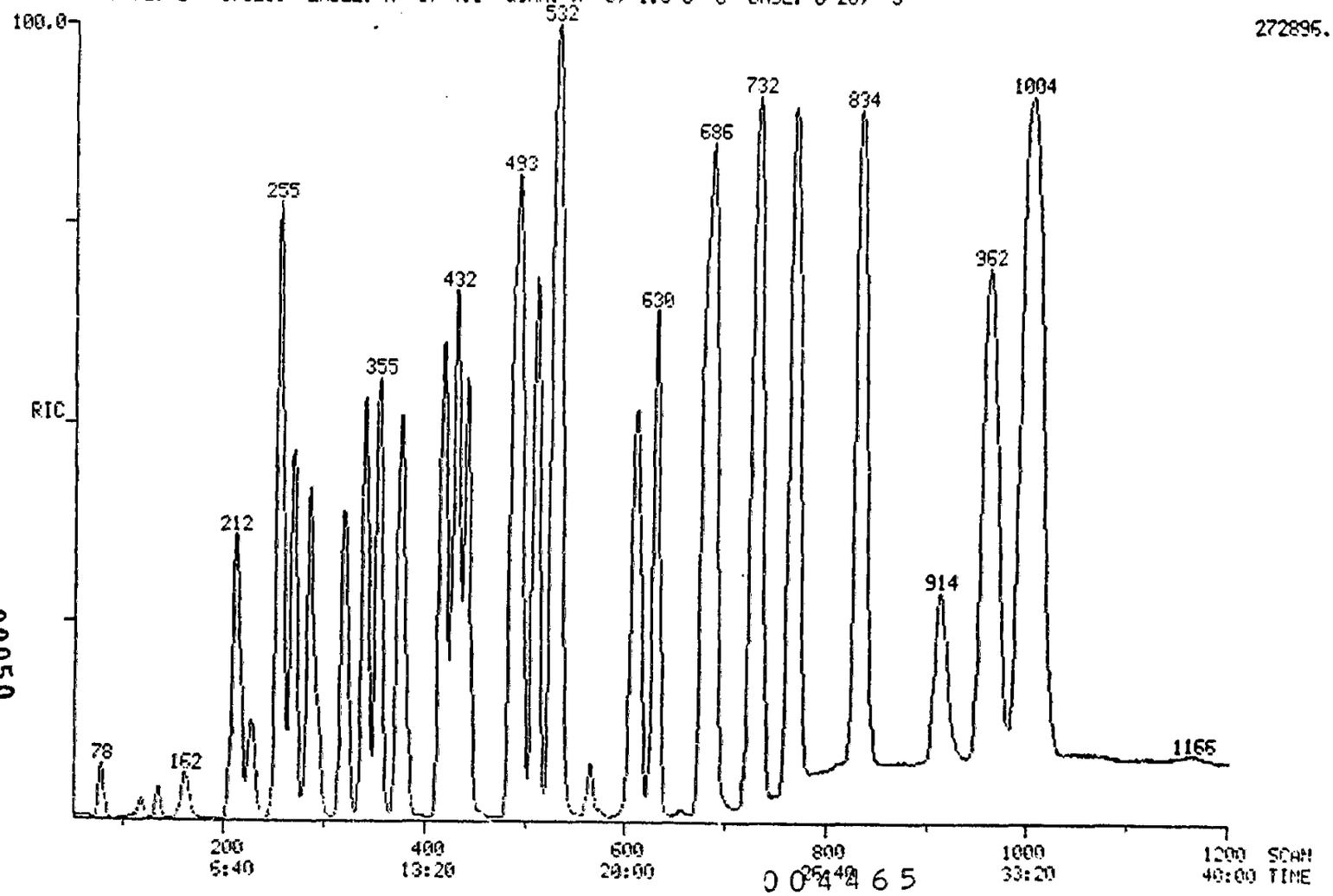
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	10.40	1.00	1.088	1.00	150.00	150.00	3.473	3.473	1.00
16	11.20	1.00	1.156	1.00	150.00	150.00	1.777	1.777	1.00
17	11:48	1.00	1.204	1.00	150.00	150.00	3.474	3.474	1.00
18	12.34	1.00	1.282	1.00	150.00	150.00	2.533	2.533	1.00
19	12:28	1.00	0.618	1.00	150.00	150.00	0.052	0.052	1.00
20	13:58	1.00	0.693	1.00	150.00	150.00	0.332	0.332	1.00
21	14.20	1.00	0.711	1.00	150.00	150.00	0.443	0.443	1.00
22	14:24	1.00	0.714	1.00	150.00	150.00	0.298	0.298	1.00
23	14:42	1.00	0.729	1.00	150.00	150.00	0.484	0.484	1.00
24	16:14	1.00	0.805	1.00	150.00	150.00	0.337	0.337	1.00
25	16:28	1.00	0.817	1.00	150.00	150.00	0.617	0.617	1.00
26	17:00	1.00	0.843	1.00	150.00	150.00	0.354	0.354	1.00
27	17:32	1.00	0.869	1.00	150.00	150.00	0.317	0.317	1.00
28	17:44	1.00	0.879	1.00	150.00	150.00	0.162	0.162	1.00
29	17:36	1.00	0.873	1.00	150.00	150.00	0.525	0.525	1.00
30	17:46	1.00	0.881	1.00	150.00	150.00	0.331	0.331	1.00
31	18:52	1.00	0.936	1.00	150.00	150.00	0.027	0.027	1.00
32	20.22	1.00	1.010	1.00	150.00	150.00	0.409	0.409	1.00
33	21:00	1.00	0.828	1.00	150.00	150.00	0.878	0.878	1.00
34	22:34	1.00	0.890	1.00	150.00	150.00	0.829	0.829	1.00
35	22:54	1.00	0.903	1.00	150.00	150.00	0.396	0.396	1.00
36	22:44	1.00	0.896	1.00	150.00	150.00	0.311	0.311	1.00
37	24:22	1.00	0.961	1.00	150.00	150.00	0.857	0.857	1.00
38	25:34	1.00	1.008	1.00	150.00	150.00	1.130	1.130	1.00
39	27.42	1.00	1.092	1.00	150.00	150.00	0.703	0.703	1.00
40	31:58	1.00	1.260	1.00	150.00	150.00	1.446	1.446	1.00
41	33:18	1.00	1.313	1.00	150.00	150.00	1.583	1.583	1.00
42	33:18	1.00	1.313	1.00	150.00	150.00	1.583	1.583	1.00

004464

RIC
06/15/87 8:46:00
SAMPLE: VOA STD 1000 NG
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V200JUN15 #1
CALI: FCJUN15 #106

SCANS 50 TO 1200



00050

004465

004465

QUANTITATION REPORT FILE: VTEMP

DATA. V200JUN15.TI
06/15/87 8:46:00
SAMPLE: VOA STD 1000 NG
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
STANDARD ID: V50JUN15 INSTRUMENT: FINN2
SENSITIVITY ID: BJUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#46)
7	45V CHLOROMETHANE (VX#2)
8	46V BROMOMETHANE (VX#3)
9	88V VINYL CHLORIDE (VX#4)
10	16V CHLOROETHANE (VX#5)
11	44V METHYLENE CHLORIDE (VX#6)
12	13H ACETONE (VX#7)
13	15H CARBON DISULFIDE (VX#8)
14	29V 1,1-DICHLOROETHYLENE (VX#9)
15	13V 1/1-DICHLOROETHANE (VX#10)
16	30V TRANS-1,2-DICHLOROETHYLENE (VX#11)
17	23V CHLOROFORM (VX#12)
18	10V 1,2-DICHLOROETHANE (VX#13)
19	14H 2-BUTANONE (VX#18)
20	11V 1,1,1-TRICHLOROETHANE (VX#19)
21	6V CARBON TETRACHLORIDE (VX#20)
22	19H VINYL ACETATE (VX#21)
23	48V BROMODICHLOROMETHANE (VX#22)
24	32V 1,2-DICHLOROPROPANE (VX#23)
25	33VT TRANS-1,3-DICHLOROPROPENE (VX#24)
26	87V TRICHLOROETHYLENE (VX#25)
27	51V DIBROMOCHLOROMETHANE (VX#26)
28	14V 1,1,2-TRICHLOROETHANE (VX#27)
29	4V BENZENE (VX#28)
30	33VC CIS-1,3-DICHLOROPROPENE (VX#29)
31	19V 2-CHLOROETHYLVINYL ETHER (VX#30)
32	47V BROMOFORM (VX#31)
33	17H 4-METHYL-2-PENTANONE (VX#35)
34	16H 2-HEXANONE (VX#36)
35	85V TETRACHLOROETHYLENE (VX#37)
36	15V 1,1,2,2,-TETRACHLOROETHANE (VX#38)
37	86V TOLUENE (VX#39)
38	7V CHLOROBENZENE (VX#40)
39	38V ETHYLBENZENE (VX#41)
40	18V STYRENE (VX#42)
~~41~~	~~O-XYLENE (VX#43)~~
42	20H TOTAL XYLENES (VX#44)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	294	9:48	1	1.000	A BB	37917.	50.000 **	0.67
2	114	606	20:12	2	1.000	A BB	238736.	50.000 **	0.67

004466

00051

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
3	117	763	25:26	3	1.000	A BB	203776.	50.000 **	0.67
4	65	374	12:28	1	1.272	A BB	77846.	50.000 **	0.67
5	98	724	24:08	3	0.949	A BB	302951.	50.000 **	0.67
6	95	914	30:28	3	1.198	A BB	219714.	50.000 **	0.67
7	50	78	2:36	1	0.265	A BB	80830.	200.000 **	2.67
8	94	118	3:56	1	0.401	A BB	24351.	200.000 **	2.67
9	62	135	4:30	1	0.459	A BB	44605.	200.000 **	2.67
10	64	162	5:24	1	0.551	A BB	78633.	200.000 **	2.67
11	84	213	7:06	1	0.724	A BB	225660.	200.000 **	2.67
12	43	228	7:36	1	0.776	A BB	216122.	200.000 **	2.67
13	76	255	8:30	1	0.867	A?BB	1137300.	200.000 **	2.67
14	96	286	9:32	1	0.973	A BB	180200.	200.000 **	2.67
15	63	320	10:40	1	1.088	A BB	499077.	200.000 **	2.67
16	96	341	11:22	1	1.160	A BB	246351.	200.000 **	2.67
17	83	355	11:50	1	1.207	A BB	492095.	200.000 **	2.67
18	62	378	12:36	1	1.286	A BB	365547.	200.000 **	2.67
19	72	375	12:30	2	0.619	A BB	47848.	200.000 **	2.67
20	97	420	14:00	2	0.693	A BB	284269.	200.000 **	2.67
21	117	431	14:22	2	0.711	A BB	420177.	200.000 **	2.67
22	43	433	14:26	2	0.715	A?VB	261587.	200.000 **	2.67
23	83	442	14:44	2	0.729	A BB	439228.	200.000 **	2.67
24	63	488	16:16	2	0.805	A BB	300245.	200.000 **	2.67
25	75	495	16:30	2	0.817	A BB	542369.	200.000 **	2.67
26	130	511	17:02	2	0.843	A BB	312000.	200.000 **	2.67
27	129	527	17:34	2	0.870	A BB	269356.	200.000 **	2.67
28	97	534	17:48	2	0.881	A BB	139646.	200.000 **	2.67
29	78	529	17:38	2	0.873	A BB	441613.	200.000 **	2.67
30	75	535	17:50	2	0.883	A BB	291622.	200.000 **	2.67
31	63	567	18:54	2	0.936	A BB	26642.	200.000 **	2.67
32	173	612	20:24	2	1.010	A BB	369138.	200.000 **	2.67
33	43	631	21:02	3	0.827	A BB	644643	200.000 **	2.67
34	43	678	22:36	3	0.889	A?BB	584863.	200.000 **	2.67
35	164	687	22:54	3	0.900	A BB	261870.	200.000 **	2.67
36	83	683	22:46	3	0.895	A?BB	198973.	200.000 **	2.67
37	92	732	24:24	3	0.959	A BB	632053.	200.000 **	2.67
38	112	769	25:38	3	1.008	A BB	858747.	200.000 **	2.67
39	106	834	27:48	3	1.093	A BB	475633.	200.000 **	2.67
40	104	962	32:04	3	1.261	A BB	1032470.	200.000 **	2.67
~~41~~	~~106~~	~~1002~~	~~33:24~~	~~3~~	~~1.313~~	~~A BB~~	~~1090380.~~	~~200.000 **~~	~~2.67~~
42	106	1002	33:24	3	1.313	A BB	1090380.	200.000 **	2.67

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:48	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:26	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:28	1.00	1.272	1.00	50.00	50.00	2.053	2.053	1.00
5	24:08	1.00	0.949	1.00	50.00	50.00	1.487	1.487	1.00
6	30:28	1.00	1.198	1.00	50.00	50.00	1.078	1.078	1.00
7	2.36	1.00	0.265	1.00	200.00	200.00	0.533	0.533	1.00
8	3:56	1.00	0.401	1.00	200.00	200.00	0.161	0.161	1.00
9	4:30	1.00	0.459	1.00	200.00	200.00	0.294	0.294	1.00
10	5:24	1.00	0.551	1.00	200.00	200.00	0.518	0.518	1.00
11	7:06	1.00	0.724	1.00	200.00	200.00	1.488	1.488	1.00
12	7:36	1.00	0.776	1.00	200.00	200.00	1.425	1.425	1.00
13	8:30	1.00	0.867	1.00	200.00	200.00	7.499	7.499	1.00
14	9:32	1.00	0.973	1.00	200.00	200.00	1.188	1.188	1.00

004467

00052

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	10:40	1.00	1.088	1.00	200.00	200.00	3.291	3.291	1.00
16	11:22	1.00	1.160	1.00	200.00	200.00	1.624	1.624	1.00
17	11:50	1.00	1.207	1.00	200.00	200.00	3.245	3.245	1.00
18	12:36	1.00	1.286	1.00	200.00	200.00	2.410	2.410	1.00
19	12:30	1.00	0.619	1.00	200.00	200.00	0.050	0.050	1.00
20	14:00	1.00	0.693	1.00	200.00	200.00	0.298	0.298	1.00
21	14:22	1.00	0.711	1.00	200.00	200.00	0.440	0.440	1.00
22	14:26	1.00	0.715	1.00	200.00	200.00	0.274	0.274	1.00
23	14:44	1.00	0.729	1.00	200.00	200.00	0.460	0.460	1.00
24	16:16	1.00	0.805	1.00	200.00	200.00	0.314	0.314	1.00
25	16:30	1.00	0.817	1.00	200.00	200.00	0.568	0.568	1.00
26	17:02	1.00	0.843	1.00	200.00	200.00	0.327	0.327	1.00
27	17:34	1.00	0.870	1.00	200.00	200.00	0.282	0.282	1.00
28	17:48	1.00	0.881	1.00	200.00	200.00	0.146	0.146	1.00
29	17:38	1.00	0.873	1.00	200.00	200.00	0.462	0.462	1.00
30	17:50	1.00	0.883	1.00	200.00	200.00	0.305	0.305	1.00
31	18:54	1.00	0.936	1.00	200.00	200.00	0.028	0.028	1.00
32	20:24	1.00	1.010	1.00	200.00	200.00	0.387	0.387	1.00
33	21:02	1.00	0.827	1.00	200.00	200.00	0.791	0.791	1.00
34	22:36	1.00	0.889	1.00	200.00	200.00	0.718	0.718	1.00
35	22:54	1.00	0.900	1.00	200.00	200.00	0.321	0.321	1.00
36	22:46	1.00	0.895	1.00	200.00	200.00	0.244	0.244	1.00
37	24:24	1.00	0.959	1.00	200.00	200.00	0.775	0.775	1.00
38	25:38	1.00	1.008	1.00	200.00	200.00	1.054	1.054	1.00
39	27:48	1.00	1.093	1.00	200.00	200.00	0.584	0.584	1.00
40	32:04	1.00	1.261	1.00	200.00	200.00	1.267	1.267	1.00
41	33:24	1.00	1.313	1.00	200.00	200.00	1.338	1.338	1.00
42	33:24	1.00	1.313	1.00	200.00	200.00	1.338	1.338	1.00

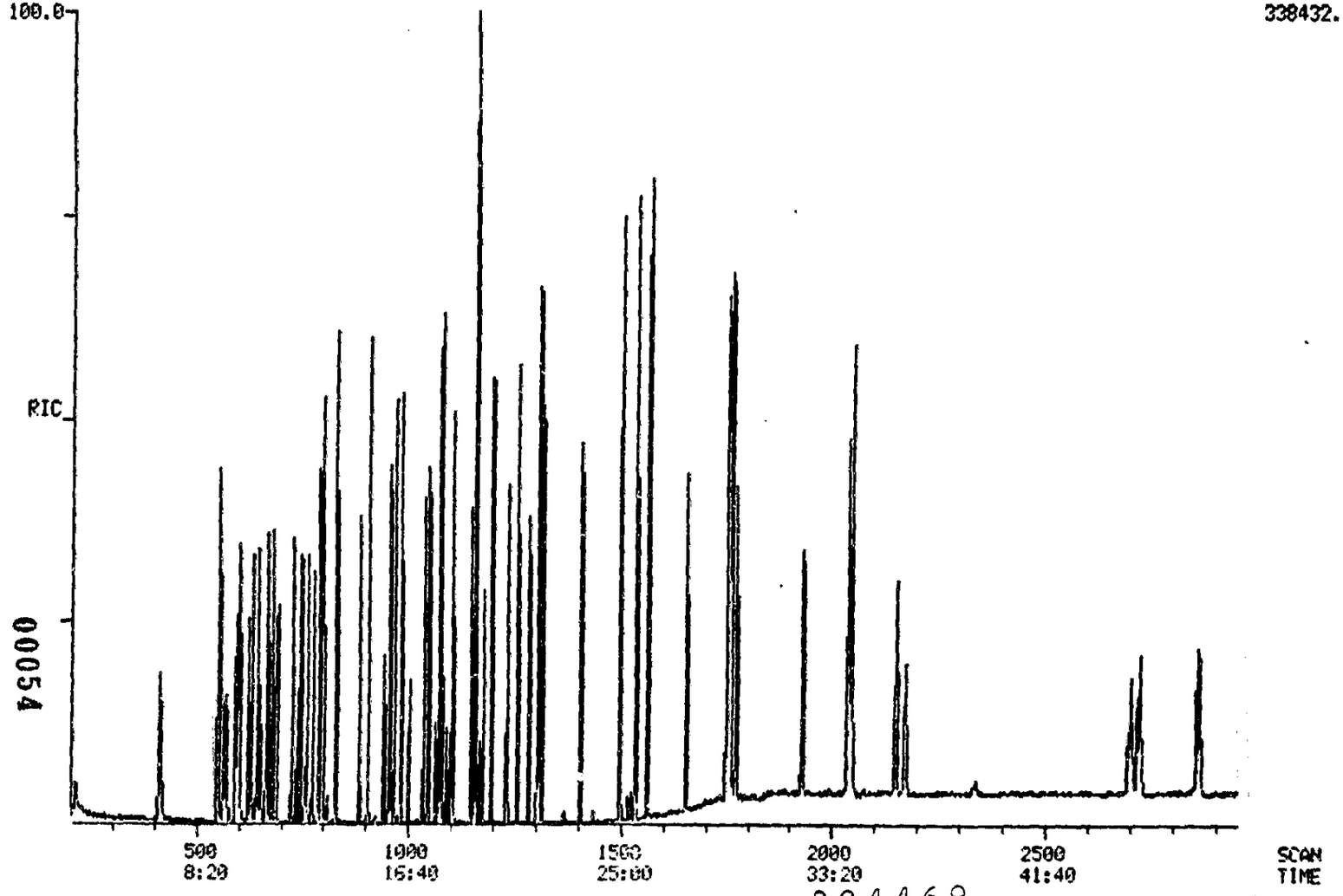
004468

00053

RIC
07/08/87 8:15:00
SAMPLE: SBNA50,5-POINT,50UG/ML STANDARD
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,3034 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: SBNA50 #1
CALI: FCJULY8 #81

SCANS 200 TO 2950



00054

004469

L00-9-007

QUANTITATION REPORT FILE: TEMP

DATA: SBNA50.TI
07/08/87 8:15:00
SAMPLE: SBNA50, 5-POINT, 50UG/ML STANDARD
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID:
SENSITIVITY ID: DFJUL8 INSTRUMENT: FINNI
ANALYST: BH INST CALI: FCJULY8

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
7	SS1 D5-PHENOL (DC#16 ACID SURROGATE)
8	SS2 2-FLUOROPHENOL (DC#17 ACID SURROGATE)
9	SS3 D5-NITROBENZENE (DC#34 B/N SURROGATE)
10	SS4 2-FLUOROBIPHENYL (DC#56 B/N SURROGATE)
11	SS5 2,4,6-TRIBROMOPHENOL (DC#57 S.S.)
12	SS6 D14-P-TER PHENYL (DC#80 S.S.)
[redacted]	
14	65A PHENOL (DC#3)
[redacted]	
16	18B BIS(2-CHLOROETHYL)ETHER (DC#5)
17	24A 2-CHLOROPHENOL (DC#6)
18	26B 1,3-DICHLOROBENZENE (DC#7)
19	27B 1,4-DICHLOROBENZENE (DC#8)
20	6H BENZYL ALCOHOL (DC#9 HSL)
21	25B 1,2-DICHLOROBENZENE (DC#10)
22	2H 2-METHYLPHENOL (DC#11)
23	42B BIS(2-CHLOROISOPROPYL)ETHER (DC#12)
24	3H 4-METHYLPHENOL (DC#13)
25	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
26	12B HEXACHLOROETHANE (DC#15)
27	56B NITROBENZENE (DC#21)
28	54B ISOPHORONE (DC#22)
29	57A 2-NITROPHENOL (DC#23)
30	34A 2,4-DIMETHYLPHENOL (DC#24)
31	1H BENZOIC ACID (DC#25)
32	43B BIS(2-CHLOROETHOXY)METHANE (DC#26)
33	31A 2,4-DICHLOROPHENOL (DC#27)
34	8B 1,2,4-TRICHLOROBENZENE (DC#28)
35	55B NAPTHALENE (DC#29)
36	7H 4-CHLOROANILINE (DC#30)
37	52B HEXACHLOROBUTADIENE (DC#31)
38	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
39	9H 2-METHYLNAPHTHALENE (DC#33 HSL)
40	53B HEXACHLOROCYCLOPENTADIENE (DC#38)
41	21A 2,4,6-TRICHLOROPHENOL (DC#39)
42	4H 2,4,5-TRICHLOROPHENOL (DC#40)
43	20B 2-CHLORONAPHTHALENE (DC#41)
44	10H 2-NITROANILINE (DC#42 HSL)
45	71B DIMETHYL PHTHALATE (DC#43)
46	77B ACENAPHTHYLENE (DC#44)

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NO	NAME	
47	11H	3-NITROANILINE (DC#45 HSL)
48	1B	ACENAPHTHENE (DC#46)
49	59A	2,4-DINITROPHENOL (DC#47)
50	58A	4-NITROPHENOL (DC#48)
51	8H	DIBENZOFURAN (DC#49 HSL)
52	35B	2,4-DINITROTOLUENE (DC#50)
53	36B	2,6-DINITROTOLUENE (DC#51)
54	70B	DIETHYL PHTHALATE (DC#52)
55	40B	4-CHLOROPHENYL PHENYL ETHER (DC#53)
56	80B	FLUORENE (DC#54)
57	12H	4-NITROANILINE (DC#55 HSL)
58	60A	2-METHYL-4,6-DINITROPHENOL (DC#61)
59	62B	N-NITROSODIPHENYLAMINE (DC#62)
60	41B	4-BROMOPHENYL PHENYL ETHER (DC#63)
61	9B	HEXACHLOROBENZENE (DC#64)
62	64A	PENTACHLOROPHENOL (DC#65)
63	81B	PHENANTHRENE (DC#66)
64	78B	ANTHRACENE (DC#67)
65	68B	DI-N-BUTYL PHTHALATE (DC#68)
66	39B	FLUORANTHENE (DC#69)
[redacted]		
68	84B	PYRENE (DC#74)
69	67B	BUTYLBENZYLPHTHALATE (DC#75)
70	28B	3,3'-DICHLOROBENZIDINE (DC#76)
71	72B	BENZO(A)ANTHRACENE (DC#77)
72	66B	BIS(2-ETHYLHEXYL)PHTHALATE (DC#78)
73	76B	CHRYSENE (DC#79)
74	69B	DI-N-OCTYL PHTHALATE (DC#84)
75	74B	BENZO(B)FLUORANTHENE (DC#85)
76	75B	BENZO(K)FLUORANTHENE (DC#86)
77	73B	BENZO(A)PYRENE (DC#87)
78	83B	INDENO(1,2,3-C,D)PYRENE (DC#88)
79	82B	DIBENZ(A,H)ANTHACENE (DC#89)
80	79B	BENZO(G,H,I)PERYLENE (DC#90)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	599	9:59	1	1.000	A?BV	42445.	40.000 **	0.98
2	136	794	13:14	2	1.000	A BB	184080.	40.000 **	0.98
3	164	1071	17:51	3	1.000	A BB	90736.	40.000 **	0.98
4	188	1303	21:43	4	1.000	A BB	246794.	40.000 **	0.98
5	240	1752	29:12	5	1.000	A BB	126241.	40.000 **	0.98
6	264	2171	36:11	6	1.000	GEDT	154112.	40.000 **	0.98
7	99	551	9:11	1	0.920	A BB	130926.	100.000 **	2.44
8	112	412	6:52	1	0.688	A?BV	110177.	100.000 **	2.44
9	82	685	11:25	2	0.863	A BB	78083.	50.000 **	1.22
10	172	966	16:06	3	0.902	A BB	141328.	50.000 **	1.22
11	330	1195	19:55	3	1.116	A BB	90682.	100.000 **	2.44
12	244	1562	26:02	5	0.892	A BB	315895.	50.000 **	1.22
[redacted]									
14	94	553	9:13	1	0.923	A BB	76688.	50.000 **	1.22
[redacted]									
16	93	564	9:24	1	0.942	A BB	64562.	50.000 **	1.22
17	128	571	9:31	1	0.953	A BB	59234.	50.000 **	1.22
18	146	593	9:53	1	0.990	A?BV	63748.	50.000 **	1.22
19	146	601	10:01	1	1.003	A?VB	70191.	50.000 **	1.22
20	108	622	10:22	1	1.038	A BB	38627.	50.000 **	1.22

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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
21	146	629	10:29	1	1.050	A BB	65864.	50.000 **	1.22
22	108	643	10:43	1	1.073	A BB	62537.	50.000 **	1.22
23	45	648	10:48	1	1.082	A BB	77192.	50.000 **	1.22
24	108	665	11:05	1	1.110	A BB	65429.	50.000 **	1.22
25	70	669	11:09	1	1.117	A BB	39147.	50.000 **	1.22
26	117	677	11:17	1	1.130	A BB	30050.	50.000 **	1.22
27	77	689	11:29	2	0.868	A BB	75407.	50.000 **	1.22
28	82	725	12:05	2	0.913	A BB	129996.	50.000 **	1.22
29	139	738	12:18	2	0.929	A BB	24011.	50.000 **	1.22
30	122	745	12:25	2	0.938	A BB	56801.	50.000 **	1.22
31	122	760	12:40	2	0.957	A BB	26856.	50.000 **	1.22
32	93	761	12:41	2	0.958	A BB	85053.	50.000 **	1.22
33	162	773	12:53	2	0.974	A BB	48811.	50.000 **	1.22
34	180	788	13:08	2	0.992	A BB	59939.	50.000 **	1.22
35	128	797	13:17	2	1.004	A BB	196021.	50.000 **	1.22
36	127	808	13:28	2	1.018	A BB	9855.	50.000 **	1.22
37	225	828	13:48	2	1.043	A BB	79823.	50.000 **	1.22
38	107	884	14:44	2	1.113	A BB	58904.	50.000 **	1.22
39	142	905	15:05	2	1.140	A BB	132631.	50.000 **	1.22
40	237	942	15:42	3	0.880	A BB	33397.	50.000 **	1.22
41	196	953	15:53	3	0.890	A?BV	59777.	50.000 **	1.22
42	196	958	15:58	3	0.894	A?VB	62056.	50.000 **	1.22
43	162	981	16:21	3	0.916	A BB	115696.	50.000 **	1.22
44	65	999	16:39	3	0.933	A BB	23213.	50.000 **	1.22
45	163	1035	17:15	3	0.966	A BB	134387.	50.000 **	1.22
46	152	1046	17:26	3	0.977	A BB	150938.	50.000 **	1.22
47	138	1064	17:44	3	0.993	A BB	13025.	50.000 **	1.22
48	153	1076	17:56	3	1.005	A BB	108195.	50.000 **	1.22
49	184	1081	18:01	3	1.009	A BB	5533.	50.000 **	1.22
50	139	1089	18:09	3	1.017	A BB	16126.	50.000 **	1.22
51	168	1101	18:21	3	1.028	A BB	164612.	50.000 **	1.22
52	89	1105	18:25	3	1.032	A BB	34401.	50.000 **	1.22
53	165	1045	17:25	3	0.976	A BB	25442.	50.000 **	1.22
54	149	1147	19:07	3	1.071	A BB	120870.	50.000 **	1.22
55	204	1156	19:16	3	1.079	A BB	109837.	50.000 **	1.22
56	166	1155	19:15	3	1.078	A BB	121833.	50.000 **	1.22
57	138	1160	19:20	3	1.083	A BB	13545.	50.000 **	1.22
58	198	1169	19:29	4	0.897	A BB	14430.	50.000 **	1.22
59	169	1175	19:35	4	0.902	A BB	55448.	50.000 **	1.22
60	248	1232	20:32	4	0.946	A BB	74798.	50.000 **	1.22
61	284	1255	20:55	4	0.963	A BB	93728.	50.000 **	1.22
62	266	1282	21:22	4	0.984	A?BB	53167.	50.000 **	1.22
63	178	1306	21:46	4	1.002	A?BV	207705.	50.000 **	1.22
64	178	1313	21:53	4	1.008	A?VB	204480.	50.000 **	1.22
65	149	1404	23:24	4	1.078	A BB	220719.	50.000 **	1.22
66	202	1498	24:58	4	1.150	A BB	360911.	50.000 **	1.22
68	202	1534	25:34	5	0.876	A BB	341891.	50.000 **	1.22
69	149	1653	27:33	5	0.943	A BB	83816.	50.000 **	1.22
70	252	1745	29:05	5	0.996	A BB	18958.	50.000 **	1.22
71	228	1749	29:09	5	0.998	A?BV	368985.	50.000 **	1.22
72	149	1771	29:31	5	1.011	A BB	111788.	50.000 **	1.22
73	228	1758	29:18	5	1.003	A?VB	383509.	50.000 **	1.22
74	149	1928	32:08	6	0.888	A BB	194819.	50.000 **	1.22
75	252	2035	33:55	6	0.937	A?BV	322633.	50.000 **	1.22
76	252	2044	34:04	6	0.942	A?VB	321765.	50.000 **	1.22

004472

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
77	252	2149	35:49	6	0.990	A BB	231803.	50.000 **	1.22
78	276	2699	44:59	6	1.243	GEDT	232618.	50.000 **	1.22
79	278	2722	45:22	6	1.254	GEDT	216886.	50.000 **	1.22
80	276	2858	47:38	6	1.316	GEDT	249606.	50.000 **	1.22

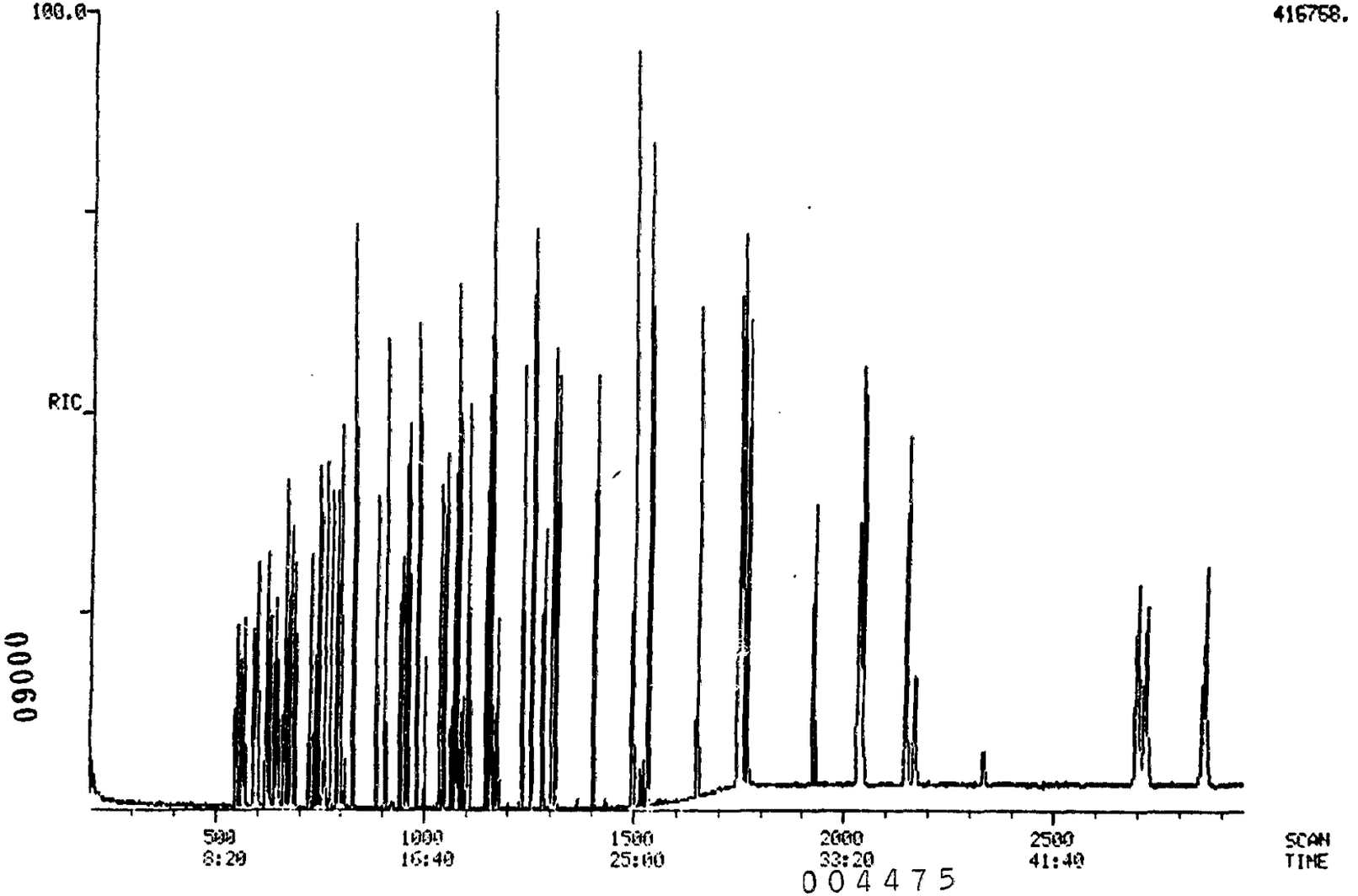
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:11	1.00	0.920	1.00	100.00	100.00	1.234	1.234	1.00
8	6:52	1.00	0.688	1.00	100.00	100.00	1.038	1.038	1.00
9	11:25	1.00	0.863	1.00	50.00	50.00	0.339	0.339	1.00
10	16:06	1.00	0.902	1.00	50.00	50.00	1.246	1.246	1.00
11	19:55	1.00	1.116	1.00	100.00	100.00	0.400	0.400	1.00
12	26:02	1.00	0.892	1.00	50.00	50.00	2.002	2.002	1.00
[redacted]									
14	9:13	1.00	0.923	1.00	50.00	50.00	1.445	1.445	1.00
[redacted]									
16	9:24	1.00	0.942	1.00	50.00	50.00	1.217	1.217	1.00
17	9:31	1.00	0.953	1.00	50.00	50.00	1.116	1.116	1.00
18	9:53	1.00	0.990	1.00	50.00	50.00	1.202	1.202	1.00
19	10:01	1.00	1.003	1.00	50.00	50.00	1.323	1.323	1.00
20	10:22	1.00	1.038	1.00	50.00	50.00	0.728	0.728	1.00
21	10:29	1.00	1.050	1.00	50.00	50.00	1.241	1.241	1.00
22	10:43	1.00	1.073	1.00	50.00	50.00	1.179	1.179	1.00
23	10:48	1.00	1.082	1.00	50.00	50.00	1.455	1.455	1.00
24	11:05	1.00	1.110	1.00	50.00	50.00	1.233	1.233	1.00
25	11:09	1.00	1.117	1.00	50.00	50.00	0.738	0.738	1.00
26	11:17	1.00	1.130	1.00	50.00	50.00	0.566	0.566	1.00
27	11:29	1.00	0.868	1.00	50.00	50.00	0.328	0.328	1.00
28	12:05	1.00	0.913	1.00	50.00	50.00	0.565	0.565	1.00
29	12:18	1.00	0.929	1.00	50.00	50.00	0.104	0.104	1.00
30	12:25	1.00	0.938	1.00	50.00	50.00	0.247	0.247	1.00
31	12:40	1.00	0.957	1.00	50.00	50.00	0.117	0.117	1.00
32	12:41	1.00	0.958	1.00	50.00	50.00	0.370	0.370	1.00
33	12:53	1.00	0.974	1.00	50.00	50.00	0.212	0.212	1.00
34	13:08	1.00	0.992	1.00	50.00	50.00	0.260	0.260	1.00
35	13:17	1.00	1.004	1.00	50.00	50.00	0.852	0.852	1.00
36	13:28	1.00	1.018	1.00	50.00	50.00	0.043	0.043	1.00
37	13:48	1.00	1.043	1.00	50.00	50.00	0.347	0.347	1.00
38	14:44	1.00	1.113	1.00	50.00	50.00	0.256	0.256	1.00
39	15:05	1.00	1.140	1.00	50.00	50.00	0.576	0.576	1.00
40	15:42	1.00	0.880	1.00	50.00	50.00	0.294	0.294	1.00
41	15:53	1.00	0.890	1.00	50.00	50.00	0.527	0.527	1.00
42	15:58	1.00	0.894	1.00	50.00	50.00	0.547	0.547	1.00
43	16:21	1.00	0.916	1.00	50.00	50.00	1.020	1.020	1.00
44	16:39	1.00	0.933	1.00	50.00	50.00	0.205	0.205	1.00
45	17:15	1.00	0.966	1.00	50.00	50.00	1.185	1.185	1.00
46	17:26	1.00	0.977	1.00	50.00	50.00	1.331	1.331	1.00
47	17:44	1.00	0.993	1.00	50.00	50.00	0.115	0.115	1.00
48	17:56	1.00	1.005	1.00	50.00	50.00	0.954	0.954	1.00
49	18:01	1.00	1.009	1.00	50.00	50.00	0.049	0.049	1.00
50	18:09	1.00	1.017	1.00	50.00	50.00	0.142	0.142	1.00

004473

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
51	18:21	1.00	1.028	1.00	50.00	50.00	1.451	1.451	1.00
52	18:25	1.00	1.032	1.00	50.00	50.00	0.303	0.303	1.00
53	17:25	1.00	0.976	1.00	50.00	50.00	0.224	0.224	1.00
54	19:07	1.00	1.071	1.00	50.00	50.00	1.066	1.066	1.00
55	19:16	1.00	1.079	1.00	50.00	50.00	0.968	0.968	1.00
56	19:15	1.00	1.078	1.00	50.00	50.00	1.074	1.074	1.00
57	19:20	1.00	1.083	1.00	50.00	50.00	0.119	0.119	1.00
58	19:29	1.00	0.897	1.00	50.00	50.00	0.047	0.047	1.00
59	19:35	1.00	0.902	1.00	50.00	50.00	0.180	0.180	1.00
60	20:32	1.00	0.946	1.00	50.00	50.00	0.242	0.242	1.00
61	20:55	1.00	0.963	1.00	50.00	50.00	0.304	0.304	1.00
62	21:22	1.00	0.984	1.00	50.00	50.00	0.172	0.172	1.00
63	21:46	1.00	1.002	1.00	50.00	50.00	0.673	0.673	1.00
64	21:53	1.00	1.008	1.00	50.00	50.00	0.663	0.663	1.00
65	23:24	1.00	1.078	1.00	50.00	50.00	0.715	0.715	1.00
66	24:58	1.00	1.150	1.00	50.00	50.00	1.170	1.170	1.00
68	25:34	1.00	0.876	1.00	50.00	50.00	2.167	2.167	1.00
69	27:33	1.00	0.943	1.00	50.00	50.00	0.531	0.531	1.00
70	29:05	1.00	0.996	1.00	50.00	50.00	0.120	0.120	1.00
71	29:09	1.00	0.998	1.00	50.00	50.00	2.338	2.338	1.00
72	29:31	1.00	1.011	1.00	50.00	50.00	0.708	0.708	1.00
73	29:18	1.00	1.003	1.00	50.00	50.00	2.430	2.430	1.00
74	32:08	1.00	0.888	1.00	50.00	50.00	1.011	1.011	1.00
75	33:55	1.00	0.937	1.00	50.00	50.00	1.675	1.675	1.00
76	34:04	1.00	0.942	1.00	50.00	50.00	1.670	1.670	1.00
77	35:49	1.00	0.990	1.00	50.00	50.00	1.203	1.203	1.00
78	44:59	1.00	1.243	1.00	50.00	50.00	1.208	1.208	1.00
79	45:22	1.00	1.254	1.00	50.00	50.00	1.126	1.126	1.00
80	47:38	1.00	1.316	1.00	50.00	50.00	1.296	1.296	1.00

004474

RIC DATA: SBNA80 #1 SCANS 200 TO 2950
07/08/87 9:10:00 CALI: FCJULY8 #81
SAMPLE: SBNA80,5-POINT,80 UG/ML
CONDS.: 400G FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



QUANTITATION REPORT FILE: (ECD

DATA: SBNA80.TI
07/08/87 9:10.00
SAMPLE: SBNA80,5-POINT,80 UG/ML
CONDS : 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID:
SENSITIVITY ID: DFJUL8 INSTRUMENT: FINN1
ANALYST: BH INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
[redacted]	
14	65A PHENOL (DC#3)
[redacted]	
16	18B BIS(2-CHLOROETHYL)ETHER (DC#5)
17	24A 2-CHLOROPHENOL (DC#6)
18	26B 1,3-DICHLOROBENZENE (DC#7)
19	27B 1,4-DICHLOROBENZENE (DC#8)
20	6H BENZYL ALCOHOL (DC#9 HSL)
21	25B 1,2-DICHLOROBENZENE (DC#10)
22	2H 2-METHYLPHENOL (DC#11)
23	42B BIS(2-CHLOROISOPROPYL)ETHER (DC#12)
24	3H 4-METHYLPHENOL (DC#13)
25	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
26	12B HEXACHLOROETHANE (DC#15)
27	56B NITROBENZENE (DC#21)
28	54B ISOPHORONE (DC#22)
29	57A 2-NITROPHENOL (DC#23)
30	34A 2,4-DIMETHYLPHENOL (DC#24)
31	1H BENZOIC ACID (DC#25)
32	43B BIS(2-CHLOROETHOXY)METHANE (DC#26)
33	31A 2,4-DICHLOROPHENOL (DC#27)
34	8B 1,2,4-TRICHLOROBENZENE (DC#28)
35	55B NAPTHALENE (DC#29)
36	7H 4-CHLOROANILINE (DC#30)
37	52B HEXACHLOROBUTADIENE (DC#31)
38	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
39	9H 2-METHYLNAPHTHALENE (DC#33 HSL)
40	53B HEXACHLOROCYCLOPENTADIENE (DC#38)
41	21A 2,4,6-TRICHLOROPHENOL (DC#39)
42	4H 2,4,5-TRICHLOROPHENOL (DC#40)
43	20B 2-CHLORONAPHTHALENE (DC#41)
44	10H 2-NITROANILINE (DC#42 HSL)
45	71B DIMETHYL PHTHALATE (DC#43)
46	77B ACENAPHTHYLENE (DC#44)

004476

00061

004476

NO	NAME	
47	11H	3-NITROANILINE (DC#45 HSL)
48	1B	ACENAPHTHENE (DC#46)
49	59A	2,4-DINITROPHENOL (DC#47)
50	58A	4-NITROPHENOL (DC#48)
51	8H	DIBENZOFURAN (DC#49 HSL)
52	35B	2,4-DINITROTOLUENE (DC#50)
53	36B	2,6-DINITROTOLUENE (DC#51)
54	70B	DIETHYL PHTHALATE (DC#52)
55	40B	4-CHLOROPHENYL PHENYL ETHER (DC#53)
56	80B	FLUORENE (DC#54)
57	12H	4-NITROANILINE (DC#55 HSL)
58	60A	2-METHYL-4,6-DINITROPHENOL (DC#61)
59	62B	N-NITROSODIPHENYLAMINE (DC#62)
60	41B	4-BROMOPHENYL PHENYL ETHER (DC#63)
61	9B	HEXACHLOROBENZENE (DC#64)
62	64A	PENTACHLOROPHENOL (DC#65)
63	81B	PHENANTHRENE (DC#66)
64	78B	ANTHRACENE (DC#67)
65	68B	DI-N-BUTYL PHTHALATE (DC#68)
66	39B	FLUORANTHENE (DC#69)
[redacted]		
68	84B	PYRENE (DC#74)
69	67B	BUTYLBENZYLPHTHALATE (DC#75)
70	28B	3,3'-DICHLOROBENZIDINE (DC#76)
71	72B	BENZO(A)ANTHRACENE (DC#77)
72	66B	BIS(2-ETHYLHEXYL)PHTHALATE (DC#78)
73	76B	CHRYSENE (DC#79)
74	69B	DI-N-OCTYL PHTHALATE (DC#84)
75	74B	BENZO(B)FLUORANTHENE (DC#85)
76	75B	BENZO(K)FLUORANTHENE (DC#86)
77	73B	BENZO(A)PYRENE (DC#87)
78	83B	INDENO(1,2,3-C,D)PYRENE (DC#88)
79	82B	DIBENZ(A,H)ANTHACENE (DC#89)
80	79B	BENZO(G,H,I)PERYLENE (DC#90)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	597	9:57	1	1.000	A?BV	39492.	40.000 **	0.65
2	136	794	13:14	2	1.000	A BB	161136.	40.000 **	0.65
3	164	1072	17:52	3	1.000	A BB	88229.	40.000 **	0.65
4	188	1304	21:44	4	1.000	A BB	244884.	40.000 **	0.65
5	240	1751	29:11	5	1.000	A BB	110003.	40.000 **	0.65
6	264	2168	36:08	6	1.000	GEDT	161968.	40.000 **	0.65
[redacted]									
14	94	550	9:10	1	0.921	A BB	103260.	80.000 **	1.31
[redacted]									
16	93	562	9:22	1	0.941	A BB	82969.	80.000 **	1.31
17	128	569	9:29	1	0.953	A BB	80017.	80.000 **	1.31
18	146	591	9:51	1	0.990	A?BV	87046.	80.000 **	1.31
19	146	599	9:59	1	1.003	A?VB	98407.	80.000 **	1.31
20	108	621	10:21	1	1.040	A BB	50429.	80.000 **	1.31

004477

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
21	146	628	10:28	1	1.052	A BB	88766.	80.000	**	1.31
22	108	641	10:41	1	1.074	A BB	85841.	80.000	**	1.31
23	45	648	10:48	1	1.085	A BB	106227.	80.000	**	1.31
24	108	664	11:04	1	1.112	A BB	88761.	80.000	**	1.31
25	70	668	11:08	1	1.119	A BB	54077.	80.000	**	1.31
26	117	676	11:16	1	1.132	A BB	40572.	80.000	**	1.31
27	77	688	11:28	2	0.866	A BB	96872.	80.000	**	1.31
28	82	725	12:05	2	0.913	A BB	168094.	80.000	**	1.31
29	139	737	12:17	2	0.928	A BB	33089.	80.000	**	1.31
30	122	745	12:25	2	0.938	A BB	76830.	80.000	**	1.31
31	122	762	12:42	2	0.960	A?VV	40295.	80.000	**	1.31
32	93	761	12:41	2	0.958	A BB	105804.	80.000	**	1.31
33	162	774	12:54	2	0.975	A BB	67774.	80.000	**	1.31
34	180	789	13:09	2	0.994	A BB	80769.	80.000	**	1.31
35	128	797	13:17	2	1.004	A BB	239968.	80.000	**	1.31
36	127	808	13:28	2	1.018	A BB	18431.	80.000	**	1.31
37	225	828	13:48	2	1.043	A BB	111077.	80.000	**	1.31
38	107	884	14:44	2	1.113	A BB	74550.	80.000	**	1.31
39	142	906	15:06	2	1.141	A BB	176090.	80.000	**	1.31
40	237	943	15:43	3	0.880	A BB	61170.	80.000	**	1.31
41	196	953	15:53	3	0.889	A?BV	84573.	80.000	**	1.31
42	196	959	15:59	3	0.895	A?VB	87424.	80.000	**	1.31
43	162	981	16:21	3	0.915	A BB	151249.	80.000	**	1.31
44	65	1001	16:41	3	0.934	A BB	32893.	80.000	**	1.31
45	163	1036	17:16	3	0.966	A BB	170982.	80.000	**	1.31
46	152	1048	17:28	3	0.978	A BB	216503.	80.000	**	1.31
47	138	1065	17:45	3	0.993	A BB	21038.	80.000	**	1.31
48	153	1077	17:57	3	1.005	A BB	153407.	80.000	**	1.31
49	184	1082	18:02	3	1.009	A BB	8744.	80.000	**	1.31
50	139	1091	18:11	3	1.018	A BB	24126.	80.000	**	1.31
51	168	1102	18:22	3	1.028	A BB	230874.	80.000	**	1.31
52	89	1107	18:27	3	1.033	A BB	46344.	80.000	**	1.31
53	165	1045	17:25	3	0.975	A BB	35323.	80.000	**	1.31
54	149	1148	19:08	3	1.071	A BB	176095.	80.000	**	1.31
55	204	1157	19:17	3	1.079	A BB	161378.	80.000	**	1.31
56	166	1156	19:16	3	1.078	A BB	160436.	80.000	**	1.31
57	138	1161	19:21	3	1.083	A BB	21689.	80.000	**	1.31
58	198	1170	19:30	4	0.897	A BB	23309.	80.000	**	1.31
59	169	1175	19:35	4	0.901	A BB	72846.	80.000	**	1.31
60	248	1233	20:33	4	0.946	A?BB	113929.	80.000	**	1.31
61	284	1257	20:57	4	0.964	A BB	149408.	80.000	**	1.31
62	266	1283	21:23	4	0.984	A BB	79135.	80.000	**	1.31
63	178	1308	21:48	4	1.003	A?BV	281506.	80.000	**	1.31
64	178	1314	21:54	4	1.008	A?VB	261389.	80.000	**	1.31
65	149	1405	23:25	4	1.077	A BB	274547.	80.000	**	1.31
66	202	1498	24:58	4	1.149	A?BB	496181.	80.000	**	1.31
68	202	1535	25:35	5	0.877	A BB	463493.	80.000	**	1.31
69	149	1651	27:31	5	0.943	A BB	133355.	80.000	**	1.31
70	252	1743	29:03	5	0.995	A BB	29828.	80.000	**	1.31
71	228	1747	29:07	5	0.998	A?BV	457940.	80.000	**	1.31
72	149	1768	29:28	5	1.010	A BB	179423.	80.000	**	1.31
73	228	1756	29:16	5	1.003	A?VB	503314.	80.000	**	1.31
74	149	1926	32:06	6	0.888	A BB	260943.	80.000	**	1.31
75	252	2033	33:53	6	0.938	GEDT	497328.	80.000	**	1.31
76	252	2042	34:02	6	0.942	A?VB	444700.	80.000	**	1.31

004478

00063

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
77	252	2147	35:47	6	0.990	A BB	387094.	80.000 **	1.31
78	276	2699	44:54	6	1.245	GEDT	453382.	80.000 **	1.31
79	278	2719	45:19	6	1.254	GEDT	391114.	80.000 **	1.31
80	276	2860	47:40	6	1.319	GEDT	486968.	80.000 **	1.31

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
[redacted]									
14	9:10	1.00	0.921	1.00	80.00	80.00	1.307	1.307	1.00
16	9:22	1.00	0.941	1.00	80.00	80.00	1.050	1.050	1.00
17	9:29	1.00	0.953	1.00	80.00	80.00	1.013	1.013	1.00
18	9:51	1.00	0.990	1.00	80.00	80.00	1.102	1.102	1.00
19	9:59	1.00	1.003	1.00	80.00	80.00	1.246	1.246	1.00
20	10:21	1.00	1.040	1.00	80.00	80.00	0.638	0.638	1.00
21	10:28	1.00	1.052	1.00	80.00	80.00	1.124	1.124	1.00
22	10:41	1.00	1.074	1.00	80.00	80.00	1.087	1.087	1.00
23	10:48	1.00	1.085	1.00	80.00	80.00	1.345	1.345	1.00
24	11:04	1.00	1.112	1.00	80.00	80.00	1.124	1.124	1.00
25	11:08	1.00	1.119	1.00	80.00	80.00	0.685	0.685	1.00
26	11:16	1.00	1.132	1.00	80.00	80.00	0.514	0.514	1.00
27	11:28	1.00	0.866	1.00	80.00	80.00	0.301	0.301	1.00
28	12:05	1.00	0.913	1.00	80.00	80.00	0.522	0.522	1.00
29	12:17	1.00	0.928	1.00	80.00	80.00	0.103	0.103	1.00
30	12:25	1.00	0.938	1.00	80.00	80.00	0.245	0.245	1.00
31	12:42	1.00	0.960	1.00	80.00	80.00	0.125	0.125	1.00
32	12:41	1.00	0.958	1.00	80.00	80.00	0.328	0.328	1.00
33	12:54	1.00	0.975	1.00	80.00	80.00	0.210	0.210	1.00
34	13:09	1.00	0.994	1.00	80.00	80.00	0.251	0.251	1.00
35	13:17	1.00	1.004	1.00	80.00	80.00	0.745	0.745	1.00
36	13:28	1.00	1.018	1.00	80.00	80.00	0.057	0.057	1.00
37	13:48	1.00	1.043	1.00	80.00	80.00	0.345	0.345	1.00
38	14:44	1.00	1.113	1.00	80.00	80.00	0.231	0.231	1.00
39	15:06	1.00	1.141	1.00	80.00	80.00	0.546	0.546	1.00
40	15:43	1.00	0.880	1.00	80.00	80.00	0.347	0.347	1.00
41	15:53	1.00	0.889	1.00	80.00	80.00	0.479	0.479	1.00
42	15:59	1.00	0.895	1.00	80.00	80.00	0.495	0.495	1.00
43	16:21	1.00	0.915	1.00	80.00	80.00	0.857	0.857	1.00
44	16:41	1.00	0.934	1.00	80.00	80.00	0.186	0.186	1.00
45	17:16	1.00	0.966	1.00	80.00	80.00	0.969	0.969	1.00
46	17:28	1.00	0.978	1.00	80.00	80.00	1.227	1.227	1.00
47	17:45	1.00	0.993	1.00	80.00	80.00	0.119	0.119	1.00
48	17:57	1.00	1.005	1.00	80.00	80.00	0.869	0.869	1.00
49	18:02	1.00	1.009	1.00	80.00	80.00	0.050	0.050	1.00
50	18:11	1.00	1.018	1.00	80.00	80.00	0.137	0.137	1.00

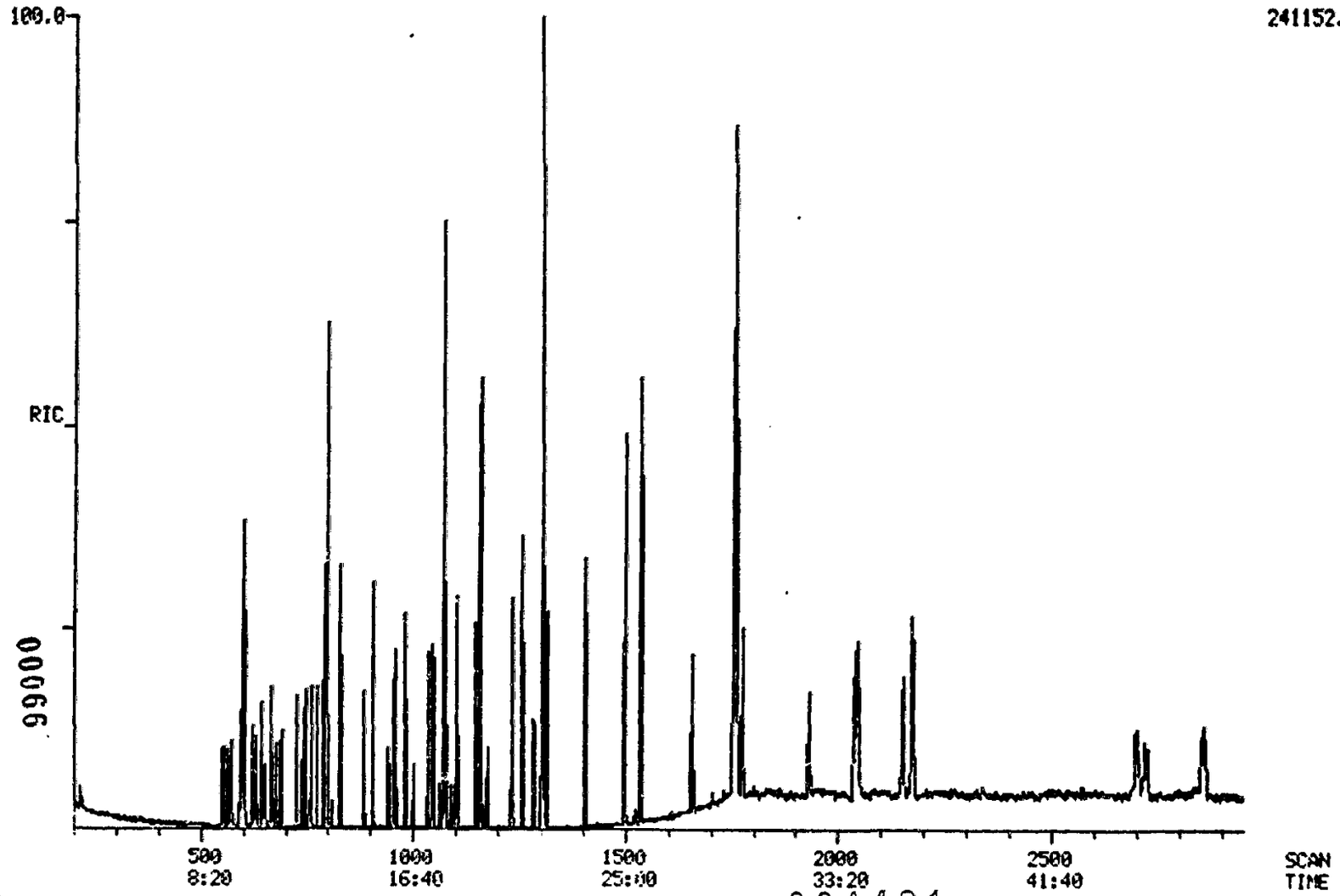
004479

00064

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
51	18:22	1.00	1.028	1.00	80.00	80.00	1.308	1.308	1.00
52	18:27	1.00	1.033	1.00	80.00	80.00	0.263	0.263	1.00
53	17:25	1.00	0.975	1.00	80.00	80.00	0.200	0.200	1.00
54	19:08	1.00	1.071	1.00	80.00	80.00	0.998	0.998	1.00
55	19:17	1.00	1.079	1.00	80.00	80.00	0.915	0.915	1.00
56	19:16	1.00	1.078	1.00	80.00	80.00	0.909	0.909	1.00
57	19:21	1.00	1.083	1.00	80.00	80.00	0.123	0.123	1.00
58	19:30	1.00	0.897	1.00	80.00	80.00	0.048	0.048	1.00
59	19:35	1.00	0.901	1.00	80.00	80.00	0.149	0.149	1.00
60	20:33	1.00	0.946	1.00	80.00	80.00	0.233	0.233	1.00
61	20:57	1.00	0.964	1.00	80.00	80.00	0.305	0.305	1.00
62	21:23	1.00	0.984	1.00	80.00	80.00	0.162	0.162	1.00
63	21:48	1.00	1.003	1.00	80.00	80.00	0.575	0.575	1.00
64	21:54	1.00	1.008	1.00	80.00	80.00	0.534	0.534	1.00
65	23:25	1.00	1.077	1.00	80.00	80.00	0.561	0.561	1.00
66	24:58	1.00	1.149	1.00	80.00	80.00	1.013	1.013	1.00
68	25:35	1.00	0.877	1.00	80.00	80.00	2.107	2.107	1.00
69	27:31	1.00	0.943	1.00	80.00	80.00	0.606	0.606	1.00
70	29:03	1.00	0.995	1.00	80.00	80.00	0.136	0.136	1.00
71	29:07	1.00	0.998	1.00	80.00	80.00	2.081	2.081	1.00
72	29:28	1.00	1.010	1.00	80.00	80.00	0.816	0.816	1.00
73	29:16	1.00	1.003	1.00	80.00	80.00	2.288	2.288	1.00
74	32:06	1.00	0.888	1.00	80.00	80.00	0.806	0.806	1.00
75	33:53	1.00	0.938	1.00	80.00	80.00	1.535	1.535	1.00
76	34:02	1.00	0.942	1.00	80.00	80.00	1.373	1.373	1.00
77	35:47	1.00	0.990	1.00	80.00	80.00	1.195	1.195	1.00
78	44:59	1.00	1.245	1.00	80.00	80.00	1.400	1.400	1.00
79	45:19	1.00	1.254	1.00	80.00	80.00	1.207	1.207	1.00
80	47:40	1.00	1.319	1.00	80.00	80.00	1.503	1.503	1.00

004480

RIC DATA: SBNA20 #1 SCANS 200 TO 2950
07/08/87 10:05:00 CALI: FCJULY8 #31
SAMPLE: SBNA20,5-POINT,20 UG/ML STANDARD
CONDS.: 400G FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



004481

QUANTITATION REPORT FILE: TEMP

DATA: SBNA20.TI
07/08/87 10:05:00
SAMPLE: SBNA20, 5-POINT, 20 UG/ML STANDARD
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID:
SENSITIVITY ID: DFJUL8 INSTRUMENT: FINN1
ANALYST: BH INST CALI: FCJULY8

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
[redacted]	
14	65A PHENOL (DC#3)
[redacted]	
16	18B BIS(2-CHLOROETHYL)ETHER (DC#5)
17	24A 2-CHLOROPHENOL (DC#6)
18	26B 1,3-DICHLOROBENZENE (DC#7)
19	27B 1,4-DICHLOROBENZENE (DC#8)
20	6H BENZYL ALCOHOL (DC#9 HSL)
21	25B 1,2-DICHLOROBENZENE (DC#10)
22	2H 2-METHYLPHENOL (DC#11)
23	42B BIS(2-CHLOROISOPROPYL)ETHER (DC#12)
24	3H 4-METHYLPHENOL (DC#13)
25	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
26	12B HEXACHLOROETHANE (DC#15)
27	56B NITROBENZENE (DC#21)
28	54B ISOPHORONE (DC#22)
29	57A 2-NITROPHENOL (DC#23)
30	34A 2,4-DIMETHYLPHENOL (DC#24)
31	1H BENZOIC ACID (DC#25)
32	43B BIS(2-CHLOROETHOXY)METHANE (DC#26)
33	31A 2,4-DICHLOROPHENOL (DC#27)
34	8B 1,2,4-TRICHLOROBENZENE (DC#28)
35	55B NAPTHALENE (DC#29)
36	7H 4-CHLOROANILINE (DC#30)
37	52B HEXACHLOROBUTADIENE (DC#31)
38	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
39	9H 2-METHYLNAPHTHALENE (DC#33 HSL)
40	53B HEXACHLOROCYCLOPENTADIENE (DC#38)
41	21A 2,4,6-TRICHLOROPHENOL (DC#39)
42	4H 2,4,5-TRICHLOROPHENOL (DC#40)
43	20B 2-CHLORONAPHTHALENE (DC#41)
44	10H 2-NITROANILINE (DC#42 HSL)
45	71B DIMETHYL PHTHALATE (DC#43)
46	77B ACENAPHTHYLENE (DC#44)

004482

NO	NAME	
47	11H	3-NITROANILINE (DC#45 HSL)
48	1B	ACENAPHTHENE (DC#46)
49	59A	2,4-DINITROPHENOL (DC#47)
50	58A	4-NITROPHENOL (DC#48)
51	8H	DIBENZOFURAN (DC#49 HSL)
52	35B	2,4-DINITROTOLUENE (DC#50)
53	36B	2,6-DINITROTOLUENE (DC#51)
54	70B	DIETHYL PHTHALATE (DC#52)
55	40B	4-CHLOROPHENYL PHENYL ETHER (DC#53)
56	80B	FLUORENE (DC#54)
57	12H	4-NITROANILINE (DC#55 HSL)
58	60A	2-METHYL-4,6-DINITROPHENOL (DC#61)
59	62B	N-NITROSODIPHENYLAMINE (DC#62)
60	41B	4-BROMOPHENYL PHENYL ETHER (DC#63)
61	9B	HEXACHLOROBENZENE (DC#64)
62	64A	PENTACHLOROPHENOL (DC#65)
63	81B	PHENANTHRENE (DC#66)
64	78B	ANTHRACENE (DC#67)
65	68B	DI-N-BUTYL PHTHALATE (DC#68)
66	39B	FLUORANTHENE (DC#69)
[redacted]		
68	84B	PYRENE (DC#74)
69	67B	BUTYLBENZYLPHTHALATE (DC#75)
70	28B	3,3'-DICHLOROBENZIDINE (DC#76)
71	72B	BENZO(A)ANTHRACENE (DC#77)
72	66B	BIS(2-ETHYLHEXYL)PHTHALATE (DC#78)
73	76B	CHRYSENE (DC#79)
74	69B	DI-N-OCTYL PHTHALATE (DC#84)
75	74B	BENZO(B)FLUORANTHENE (DC#85)
76	75B	BENZO(K)FLUORANTHENE (DC#86)
77	73B	BENZO(A)PYRENE (DC#87)
78	83B	INDENO(1,2,3-C,D)PYRENE (DC#88)
79	82B	DIBENZ(A,H)ANTHACENE (DC#89)
80	79B	BENZO(G,H,I)PERYLENE (DC#90)

004483

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	600	10:00	1	1.000	A?BV	45131.	40.000 **	1.95
2	136	795	13:15	2	1.000	A BB	170770.	40.000 **	1.95
3	164	1071	17:51	3	1.000	A BB	104498.	40.000 **	1.95
4	188	1303	21:43	4	1.000	A BB	252096.	40.000 **	1.95
5	240	1755	29:15	5	1.000	A BB	109260.	40.000 **	1.95
6	264	2173	36:13	6	1.000	GEDT	153371.	40.000 **	1.95
[redacted]									
14	94	553	9:13	1	0.922	A BB	26338.	20.000 **	0.98
[redacted]									
16	93	565	9:25	1	0.942	A BB	21320.	20.000 **	0.98
17	128	572	9:32	1	0.953	A BB	21073.	20.000 **	0.98
18	146	594	9:54	1	0.990	A?BV	23766.	20.000 **	0.98
19	146	602	10:02	1	1.003	GEDT	25987.	20.000 **	0.98
20	108	623	10:23	1	1.038	A BB	13034.	20.000 **	0.98

ND	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
21	146	630	10:30	1	1.050	A BB	24264.	20.000	**	0.98
22	108	643	10:43	1	1.072	A BB	23065.	20.000	**	0.98
23	45	650	10:50	1	1.083	A BD	30113.	20.000	**	0.98
24	108	665	11:05	1	1.108	A BD	22826.	20.000	**	0.98
25	70	669	11:09	1	1.115	A BB	13642.	20.000	**	0.98
26	117	678	11:18	1	1.130	A BB	9802.	20.000	**	0.98
27	77	689	11:29	2	0.867	A BD	26864.	20.000	**	0.98
28	82	726	12:06	2	0.913	A BB	46724.	20.000	**	0.98
29	139	738	12:18	2	0.928	A BD	7412.	20.000	**	0.98
30	122	746	12:26	2	0.938	A BD	21319.	20.000	**	0.98
31	122	757	12:37	2	0.952	A BD	6963.	20.000	**	0.98
32	93	761	12:41	2	0.957	A BB	30038.	20.000	**	0.98
33	162	774	12:54	2	0.974	A BD	17262.	20.000	**	0.98
34	180	789	13:09	2	0.992	A BB	22600.	20.000	**	0.98
35	128	797	13:17	2	1.003	A BD	73304.	20.000	**	0.98
36	127	808	13:28	2	1.016	A BD	6155.	20.000	**	0.98
37	225	828	13:48	2	1.042	A BB	32071.	20.000	**	0.98
38	107	884	14:44	2	1.112	A BB	20009.	20.000	**	0.98
39	142	905	15:05	2	1.138	A BB	51503.	20.000	**	0.98
40	237	942	15:42	3	0.880	A?BB	9834.	20.000	**	0.98
41	196	953	15:53	3	0.890	A?BV	23341.	20.000	**	0.98
42	196	958	15:58	3	0.894	A?VB	22474.	20.000	**	0.98
43	162	981	16:21	3	0.916	A BD	47585.	20.000	**	0.98
44	65	1000	16:40	3	0.934	A BB	7698.	20.000	**	0.98
45	163	1035	17:15	3	0.966	A BD	53680.	20.000	**	0.98
46	152	1046	17:26	3	0.977	A BB	67393.	20.000	**	0.98
47	138	1064	17:44	3	0.993	A BB	4726.	20.000	**	0.98
48	153	1076	17:56	3	1.005	A BD	46146.	20.000	**	0.98
49	184	1080	18:00	3	1.008	A BB	738.	20.000	**	0.98
50	139	1089	18:09	3	1.017	A BB	5469.	20.000	**	0.98
51	168	1101	18:21	3	1.028	A BB	66053.	20.000	**	0.98
52	89	1105	18:25	3	1.032	A BD	10363.	20.000	**	0.98
53	165	1044	17:24	3	0.975	A BB	8579.	20.000	**	0.98
54	149	1147	19:07	3	1.071	A BD	56275.	20.000	**	0.98
55	204	1156	19:16	3	1.079	A BD	51567.	20.000	**	0.98
56	166	1155	19:15	3	1.078	A BB	54712.	20.000	**	0.98
57	138	1160	19:20	3	1.083	A BB	4688.	20.000	**	0.98
58	198	1169	19:29	4	0.897	A BD	2582.	20.000	**	0.98
59	169	1175	19:35	4	0.902	A BB	20598.	20.000	**	0.98
60	248	1232	20:32	4	0.946	A?BB	34889.	20.000	**	0.98
61	284	1256	20:56	4	0.964	A BB	42087.	20.000	**	0.98
62	266	1282	21:22	4	0.984	A?BB	17220.	20.000	**	0.98
63	178	1306	21:46	4	1.002	A?BV	89733.	20.000	**	0.98
64	178	1313	21:53	4	1.008	A?VB	81312.	20.000	**	0.98
65	149	1404	23:24	4	1.078	A BB	97606.	20.000	**	0.98
66	202	1498	24:58	4	1.150	A BB	158581.	20.000	**	0.98
68	202	1535	25:35	5	0.875	A BB	165560.	20.000	**	0.98
69	149	1655	27:35	5	0.943	A BD	30852.	20.000	**	0.98
70	252	1747	29:07	5	0.995	A BD	7453.	20.000	**	0.98
71	228	1752	29:12	5	0.998	A?BV	145735.	20.000	**	0.98
72	149	1772	29:32	5	1.010	A BB	46429.	20.000	**	0.98
73	228	1760	29:20	5	1.003	A?VB	166916.	20.000	**	0.98
74	149	1931	32:11	6	0.889	A BB	61976.	20.000	**	0.98
75	252	2038	33:58	6	0.938	GEDT	119921.	20.000	**	0.98
76	252	2045	34:05	6	0.941	A?VB	128948.	20.000	**	0.98

004484

C0069

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
77	252	2152	35:52	6	0.990	A?BD	96843.	20.000 **	0.98
78	276	2697	44:57	6	1.241	GEDT	95353.	20.000 **	0.98
79	278	2717	45:17	6	1.250	GEDT	83176.	20.000 **	0.98
80	276	2857	47:37	6	1.315	A?VB	109874.	20.000 **	0.98

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:00	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:15	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:15	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:13	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
[redacted]									
14	9:13	1.00	0.922	1.00	20.00	20.00	1.167	1.167	1.00
[redacted]									
16	9:25	1.00	0.942	1.00	20.00	20.00	0.945	0.945	1.00
17	9:32	1.00	0.953	1.00	20.00	20.00	0.934	0.934	1.00
18	9:54	1.00	0.990	1.00	20.00	20.00	1.053	1.053	1.00
19	10:02	1.00	1.003	1.00	20.00	20.00	1.152	1.152	1.00
20	10:23	1.00	1.038	1.00	20.00	20.00	0.578	0.578	1.00
21	10:30	1.00	1.050	1.00	20.00	20.00	1.075	1.075	1.00
22	10:43	1.00	1.072	1.00	20.00	20.00	1.022	1.022	1.00
23	10:50	1.00	1.083	1.00	20.00	20.00	1.334	1.334	1.00
24	11:05	1.00	1.108	1.00	20.00	20.00	1.012	1.012	1.00
25	11:09	1.00	1.115	1.00	20.00	20.00	0.605	0.605	1.00
26	11:18	1.00	1.130	1.00	20.00	20.00	0.434	0.434	1.00
27	11:29	1.00	0.867	1.00	20.00	20.00	0.315	0.315	1.00
28	12:06	1.00	0.913	1.00	20.00	20.00	0.547	0.547	1.00
29	12:18	1.00	0.928	1.00	20.00	20.00	0.087	0.087	1.00
30	12:26	1.00	0.938	1.00	20.00	20.00	0.250	0.250	1.00
31	12:37	1.00	0.952	1.00	20.00	20.00	0.082	0.082	1.00
32	12:41	1.00	0.957	1.00	20.00	20.00	0.352	0.352	1.00
33	12:54	1.00	0.974	1.00	20.00	20.00	0.202	0.202	1.00
34	13:09	1.00	0.992	1.00	20.00	20.00	0.265	0.265	1.00
35	13:17	1.00	1.003	1.00	20.00	20.00	0.859	0.859	1.00
36	13:28	1.00	1.016	1.00	20.00	20.00	0.072	0.072	1.00
37	13:48	1.00	1.042	1.00	20.00	20.00	0.376	0.376	1.00
38	14:44	1.00	1.112	1.00	20.00	20.00	0.234	0.234	1.00
39	15:05	1.00	1.138	1.00	20.00	20.00	0.603	0.603	1.00
40	15:42	1.00	0.880	1.00	20.00	20.00	0.188	0.188	1.00
41	15:53	1.00	0.890	1.00	20.00	20.00	0.447	0.447	1.00
42	15:58	1.00	0.894	1.00	20.00	20.00	0.430	0.430	1.00
43	16:21	1.00	0.916	1.00	20.00	20.00	0.911	0.911	1.00
44	16:40	1.00	0.934	1.00	20.00	20.00	0.147	0.147	1.00
45	17:15	1.00	0.966	1.00	20.00	20.00	1.027	1.027	1.00
46	17:26	1.00	0.977	1.00	20.00	20.00	1.290	1.290	1.00
47	17:44	1.00	0.993	1.00	20.00	20.00	0.090	0.090	1.00
48	17:56	1.00	1.005	1.00	20.00	20.00	0.883	0.883	1.00
49	18:00	1.00	1.008	1.00	20.00	20.00	0.014	0.014	1.00
50	18:09	1.00	1.017	1.00	20.00	20.00	0.105	0.105	1.00

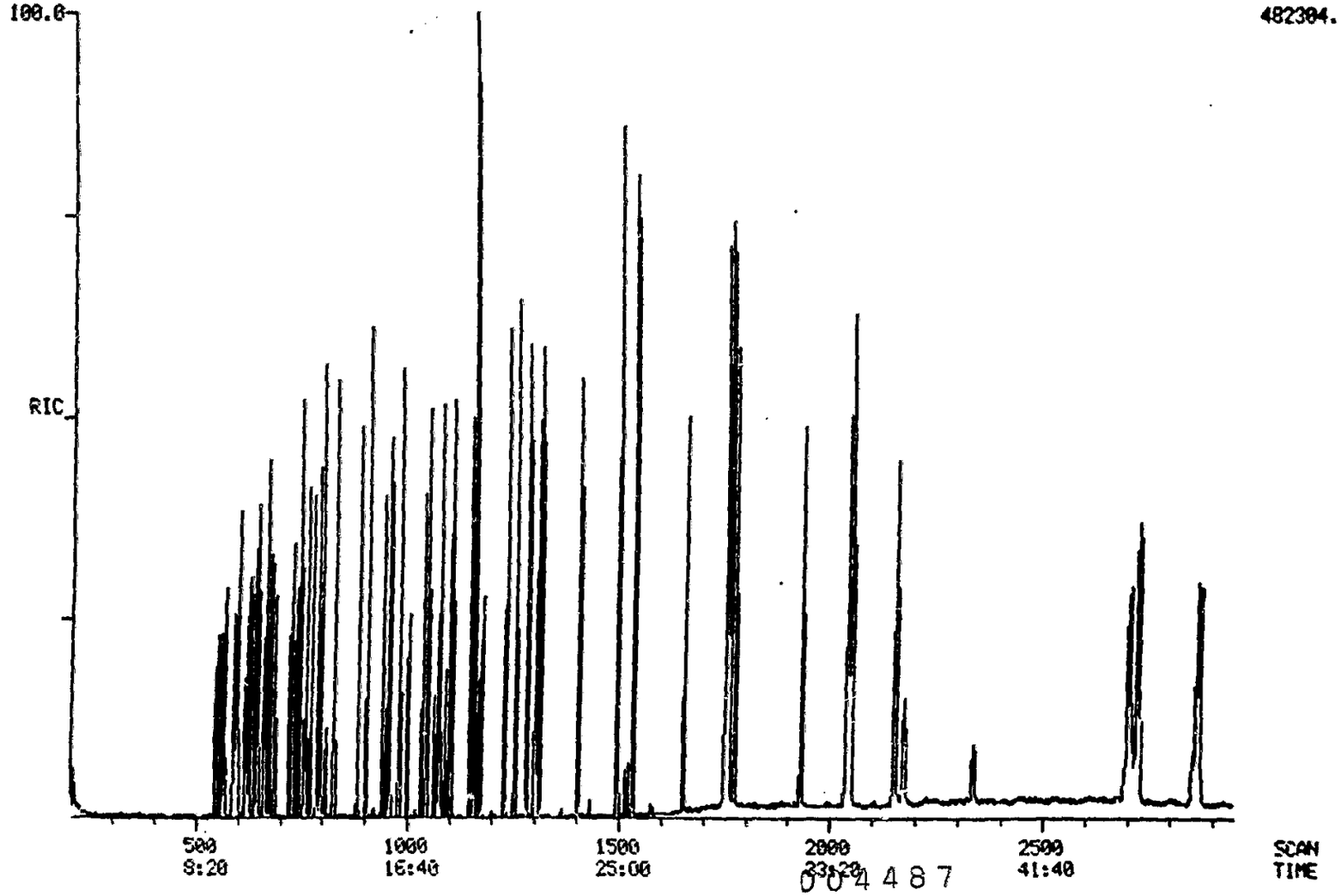
004485

00070

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R FAC	R.FAC(L)	RATIO
51	18.21	1.00	1.028	1.00	20.00	20.00	1.264	1.264	1.00
52	18.25	1.00	1.032	1.00	20.00	20.00	0.198	0.198	1.00
53	17:24	1.00	0.975	1.00	20.00	20.00	0.164	0.164	1.00
54	19:07	1.00	1.071	1.00	20.00	20.00	1.077	1.077	1.00
55	19:16	1.00	1.079	1.00	20.00	20.00	0.987	0.987	1.00
56	19:15	1.00	1.078	1.00	20.00	20.00	1.047	1.047	1.00
57	19:20	1.00	1.083	1.00	20.00	20.00	0.090	0.090	1.00
58	19:29	1.00	0.897	1.00	20.00	20.00	0.020	0.020	1.00
59	19:35	1.00	0.902	1.00	20.00	20.00	0.163	0.163	1.00
60	20:32	1.00	0.946	1.00	20.00	20.00	0.277	0.277	1.00
61	20:56	1.00	0.964	1.00	20.00	20.00	0.334	0.334	1.00
62	21:22	1.00	0.984	1.00	20.00	20.00	0.137	0.137	1.00
63	21:46	1.00	1.002	1.00	20.00	20.00	0.712	0.712	1.00
64	21:53	1.00	1.008	1.00	20.00	20.00	0.645	0.645	1.00
65	23:24	1.00	1.078	1.00	20.00	20.00	0.774	0.774	1.00
66	24:58	1.00	1.150	1.00	20.00	20.00	1.258	1.258	1.00
68	25:35	1.00	0.875	1.00	20.00	20.00	3.031	3.031	1.00
69	27:35	1.00	0.943	1.00	20.00	20.00	0.565	0.565	1.00
70	29:07	1.00	0.995	1.00	20.00	20.00	0.136	0.136	1.00
71	29:12	1.00	0.998	1.00	20.00	20.00	2.668	2.668	1.00
72	29:32	1.00	1.010	1.00	20.00	20.00	0.850	0.850	1.00
73	29.20	1.00	1.003	1.00	20.00	20.00	3.055	3.055	1.00
74	32:11	1.00	0.889	1.00	20.00	20.00	0.808	0.808	1.00
75	33:58	1.00	0.938	1.00	20.00	20.00	1.564	1.564	1.00
76	34:05	1.00	0.941	1.00	20.00	20.00	1.682	1.682	1.00
77	35:52	1.00	0.990	1.00	20.00	20.00	1.263	1.263	1.00
78	44:57	1.00	1.241	1.00	20.00	20.00	1.243	1.243	1.00
79	45:17	1.00	1.250	1.00	20.00	20.00	1.085	1.085	1.00
80	47:37	1.00	1.315	1.00	20.00	20.00	1.433	1.433	1.00

004486

RIC DATA: SBNA120 #1 SCANS 200 TO 2950
07/08/87 11:01:00 CALI: FCJULY8 #81
SAMPLE: SBNA120,5-POINT,120 UG/ML STANDARD
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



22000

004487

004487

QUANTITATION REPORT FILE: TEMP

DATA: SBNA120.TI
07/08/87 11:01:00
SAMPLE: SBNA120,5-POINT,120 UG/ML STANDARD
CONDS.: 40DC FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID: INSTRUMENT: FINN1
SENSITIVITY ID: DFJUL8 ANALYST: BH INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#33 INTERNAL STD #6)
[redacted]	
14	65A PHENOL (DC#3)
[redacted]	
16	18B BIS(2-CHLOROETHYL)ETHER (DC#5)
17	24A 2-CHLOROPHENOL (DC#6)
18	26B 1,3-DICHLOROBENZENE (DC#7)
19	27B 1,4-DICHLOROBENZENE (DC#8)
20	6H BENZYL ALCOHOL (DC#9 HSL)
21	25B 1,2-DICHLOROBENZENE (DC#10)
22	2H 2-METHYLPHENOL (DC#11)
23	42B BIS(2-CHLOROISOPROPYL)ETHER (DC#12)
24	3H 4-METHYLPHENOL (DC#13)
25	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
26	12B HEXACHLOROETHANE (DC#15)
27	56B NITROBENZENE (DC#21)
28	54B ISOPHORONE (DC#22)
29	57A 2-NITROPHENOL (DC#23)
30	34A 2,4-DIMETHYLPHENOL (DC#24)
31	1H BENZOIC ACID (DC#25)
32	43B BIS(2-CHLOROETHOXY)METHANE (DC#26)
33	31A 2,4-DICHLOROPHENOL (DC#27)
34	8B 1,2,4-TRICHLOROBENZENE (DC#28)
35	55B NAPTHALENE (DC#29)
36	7H 4-CHLOROANILINE (DC#30)
37	52B HEXACHLOROBUTADIENE (DC#31)
38	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
39	9H 2-METHYLNAPHTHALENE (DC#33 HSL)
40	53B HEXACHLOROCYCLOPENTADIENE (DC#38)
41	21A 2,4,6-TRICHLOROPHENOL (DC#39)
42	4H 2,4,5-TRICHLOROPHENOL (DC#40)
43	20B 2-CHLORONAPHTHALENE (DC#41)
44	10H 2-NITROANILINE (DC#42 HSL)
45	71B DIMETHYL PHTHALATE (DC#43)
46	77B ACENAPHTHYLENE (DC#44)

004488

NO	NAME	
47	11H	3-NITROANILINE (DC#45 HSL)
48	1B	ACENAPHTHENE (DC#46)
49	59A	2,4-DINITROPHENOL (DC#47)
50	58A	4-NITROPHENOL (DC#48)
51	8H	DIBENZOFURAN (DC#49 HSL)
52	35B	2,4-DINITROTOLUENE (DC#50)
53	36B	2,6-DINITROTOLUENE (DC#51)
54	70B	DIETHYL PHTHALATE (DC#52)
55	40B	4-CHLOROPHENYL PHENYL ETHER (DC#53)
56	80B	FLUORENE (DC#54)
57	12H	4-NITROANILINE (DC#55 HSL)
58	60A	2 METHYL-4,6-DINITROPHENOL (DC#61)
59	62B	N-NITROSODIPHENYLAMINE (DC#62)
60	41B	4-BROMOPHENYL PHENYL ETHER (DC#63)
61	9B	HEXACHLOROBENZENE (DC#64)
62	64A	PENTACHLOROPHENOL (DC#65)
63	81B	PHENANTHRENE (DC#66)
64	78B	ANTHRACENE (DC#67)
65	68B	DI-N-BUTYL PHTHALATE (DC#68)
66	39B	FLUORANTHENE (DC#69)
[redacted]		
68	84B	PYRENE (DC#74)
69	67B	BUTYLBENZYLPHTHALATE (DC#75)
70	28B	3,3'-DICHLOROBENZIDINE (DC#76)
71	72B	BENZO(A)ANTHRACENE (DC#77)
72	66B	BIS(2-ETHYLHEXYL)PHTHALATE (DC#78)
73	76B	CHRYSENE (DC#79)
74	69B	DI-N-OCTYL PHTHALATE (DC#84)
75	74B	BENZO(B)FLUORANTHENE (DC#85)
76	75B	BENZO(K)FLUORANTHENE (DC#86)
77	73B	BENZO(A)PYRENE (DC#87)
78	83B	INDENO(1,2,3-C,D)PYRENE (DC#88)
79	82B	DIBENZ(A,H)ANTHACENE (DC#89)
80	79B	BENZO(G,H,I)PERYLENE (DC#90)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	596	9:56	1	1.000	A?BV	41697.	40.000	**	0.45
2	136	793	13:13	2	1.000	A BB	137572.	40.000	**	0.45
3	164	1070	17:50	3	1.000	A BB	82171.	40.000	**	0.45
4	188	1302	21:42	4	1.000	A BB	194526.	40.000	**	0.45
5	240	1757	29:17	5	1.000	A BB	97301.	40.000	**	0.45
6	264	2176	36:16	6	1.000	GEDT	177668.	40.000	**	0.45
[redacted]										
14	94	550	9:10	1	0.923	A?BB	171734.	120.000	**	1.36
[redacted]										
16	93	562	9:22	1	0.943	A BB	134029.	120.000	**	1.36
17	128	569	9:29	1	0.955	A BB	126281.	120.000	**	1.36
18	146	590	9:50	1	0.990	A?BV	141164.	120.000	**	1.36
19	146	599	9:59	1	1.005	A?VB	153916.	120.000	**	1.36
20	108	621	10:21	1	1.042	A BB	79136.	120.000	**	1.36

004489

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
21	146	627	10:27	1	1.052	A BB	129313.	120.000	**	1.36
22	108	641	10:41	1	1.076	A BB	125079.	120.000	**	1.36
23	45	647	10:47	1	1.086	A BD	151807.	120.000	**	1.36
24	108	664	11:04	1	1.114	A BD	118878.	120.000	**	1.36
25	70	668	11:08	1	1.121	A BD	74303.	120.000	**	1.36
26	117	675	11:15	1	1.133	A BB	56390.	120.000	**	1.36
27	77	687	11:27	2	0.866	A BB	132315.	120.000	**	1.36
28	82	725	12:05	2	0.914	A BB	229357.	120.000	**	1.36
29	139	737	12:17	2	0.929	A BB	53303.	120.000	**	1.36
30	122	745	12:25	2	0.939	A?BV	107794.	120.000	**	1.36
31	122	765	12:45	2	0.965	QEDT	64963.	120.000	**	1.36
32	93	760	12:40	2	0.958	A BB	148422.	120.000	**	1.36
33	162	773	12:53	2	0.975	A BB	87714.	120.000	**	1.36
34	180	787	13:07	2	0.992	A BB	110645.	120.000	**	1.36
35	128	796	13:16	2	1.004	A BB	280424.	120.000	**	1.36
36	127	807	13:27	2	1.018	A BB	37359.	120.000	**	1.36
37	225	826	13:46	2	1.042	A BD	135930.	120.000	**	1.36
38	107	883	14:43	2	1.113	A BD	107443.	120.000	**	1.36
39	142	904	15:04	2	1.140	A BB	208811.	120.000	**	1.36
40	237	941	15:41	3	0.879	A BB	81967.	120.000	**	1.36
41	196	952	15:52	3	0.890	A?BV	104786.	120.000	**	1.36
42	196	957	15:57	3	0.894	A?VB	106745.	120.000	**	1.36
43	162	980	16:20	3	0.916	A BB	197293.	120.000	**	1.36
44	65	999	16:39	3	0.934	A BD	45717.	120.000	**	1.36
45	163	1035	17:15	3	0.967	A BD	188050.	120.000	**	1.36
46	152	1046	17:26	3	0.978	A BB	227041.	120.000	**	1.36
47	138	1064	17:44	3	0.994	A BB	30548.	120.000	**	1.36
48	153	1075	17:55	3	1.005	A BD	166102.	120.000	**	1.36
49	184	1080	18:00	3	1.009	A BB	18399.	120.000	**	1.36
50	139	1089	18:09	3	1.018	A BD	36599.	120.000	**	1.36
51	168	1100	18:20	3	1.028	A BD	248322.	120.000	**	1.36
52	89	1105	18:25	3	1.033	A BD	54649.	120.000	**	1.36
53	165	1044	17:24	3	0.976	A BB	40278.	120.000	**	1.36
54	149	1147	19:07	3	1.072	A BB	228923.	120.000	**	1.36
55	204	1155	19:15	3	1.079	A BB	189991.	120.000	**	1.36
56	166	1155	19:15	3	1.079	A BD	205031.	120.000	**	1.36
57	138	1160	19:20	3	1.084	A BD	30758.	120.000	**	1.36
58	198	1169	19:29	4	0.898	A BB	46918.	120.000	**	1.36
59	169	1174	19:34	4	0.902	A BD	81639.	120.000	**	1.36
60	248	1232	20:32	4	0.946	A BD	144390.	120.000	**	1.36
61	284	1255	20:55	4	0.964	A BB	150623.	120.000	**	1.36
62	266	1282	21:22	4	0.985	A BD	120152.	120.000	**	1.36
63	178	1306	21:46	4	1.003	A?BV	291098.	120.000	**	1.36
64	178	1313	21:53	4	1.008	A?VB	321174.	120.000	**	1.36
65	149	1404	23:24	4	1.078	A BD	361445.	120.000	**	1.36
66	202	1498	24:58	4	1.151	A BB	550473	120.000	**	1.36
68	202	1535	25:35	5	0.874	A BD	542278.	120.000	**	1.36
69	149	1655	27:35	5	0.942	A BB	156767.	120.000	**	1.36
70	252	1748	29:08	5	0.995	A?BB	41129.	120.000	**	1.36
71	228	1753	29:13	5	0.998	A?BV	632357.	120.000	**	1.36
72	149	1774	29:34	5	1.010	A BD	228389.	120.000	**	1.36
73	228	1762	29:22	5	1.003	A?VB	596666.	120.000	**	1.36
74	149	1932	32:12	6	0.888	A BD	392028.	120.000	**	1.36
75	252	2040	34:00	6	0.938	A?BV	617116.	120.000	**	1.36
76	252	2049	34:09	6	0.942	A?VB	614448.	120.000	**	1.36

004490

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
77	252	2153	35:53	6	0.989	A BD	557432.	120.000	**	1.36
78	276	2706	45:06	6	1.244	GEDT	770167.	120.000	**	1.36
79	278	2724	45:24	6	1.252	GEDT	690640.	120.000	**	1.36
80	276	2871	47:51	6	1.319	GEDT	738209.	120.000	**	1.36

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:13	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
[redacted]									
14	9:10	1.00	0.923	1.00	120.00	120.00	1.373	1.373	1.00
[redacted]									
16	9:22	1.00	0.943	1.00	120.00	120.00	1.071	1.071	1.00
17	9:29	1.00	0.955	1.00	120.00	120.00	1.010	1.010	1.00
18	9:50	1.00	0.990	1.00	120.00	120.00	1.128	1.128	1.00
19	9:59	1.00	1.005	1.00	120.00	120.00	1.230	1.230	1.00
20	10:21	1.00	1.042	1.00	120.00	120.00	0.633	0.633	1.00
21	10:27	1.00	1.052	1.00	120.00	120.00	1.034	1.034	1.00
22	10:41	1.00	1.076	1.00	120.00	120.00	1.000	1.000	1.00
23	10:47	1.00	1.086	1.00	120.00	120.00	1.214	1.214	1.00
24	11:04	1.00	1.114	1.00	120.00	120.00	0.950	0.950	1.00
25	11:08	1.00	1.121	1.00	120.00	120.00	0.594	0.594	1.00
26	11:15	1.00	1.133	1.00	120.00	120.00	0.451	0.451	1.00
27	11:27	1.00	0.866	1.00	120.00	120.00	0.321	0.321	1.00
28	12:05	1.00	0.914	1.00	120.00	120.00	0.556	0.556	1.00
29	12:17	1.00	0.929	1.00	120.00	120.00	0.129	0.129	1.00
30	12:25	1.00	0.939	1.00	120.00	120.00	0.261	0.261	1.00
31	12:45	1.00	0.965	1.00	120.00	120.00	0.157	0.157	1.00
32	12:40	1.00	0.958	1.00	120.00	120.00	0.360	0.360	1.00
33	12:53	1.00	0.975	1.00	120.00	120.00	0.213	0.213	1.00
34	13:07	1.00	0.992	1.00	120.00	120.00	0.268	0.268	1.00
35	13:16	1.00	1.004	1.00	120.00	120.00	0.679	0.679	1.00
36	13:27	1.00	1.018	1.00	120.00	120.00	0.091	0.091	1.00
37	13:46	1.00	1.042	1.00	120.00	120.00	0.329	0.329	1.00
38	14:43	1.00	1.113	1.00	120.00	120.00	0.260	0.260	1.00
39	15:04	1.00	1.140	1.00	120.00	120.00	0.506	0.506	1.00
40	15:41	1.00	0.879	1.00	120.00	120.00	0.333	0.333	1.00
41	15:52	1.00	0.890	1.00	120.00	120.00	0.425	0.425	1.00
42	15:57	1.00	0.894	1.00	120.00	120.00	0.433	0.433	1.00
43	16:20	1.00	0.916	1.00	120.00	120.00	0.800	0.800	1.00
44	16:39	1.00	0.934	1.00	120.00	120.00	0.185	0.185	1.00
45	17:15	1.00	0.967	1.00	120.00	120.00	0.763	0.763	1.00
46	17:26	1.00	0.978	1.00	120.00	120.00	0.921	0.921	1.00
47	17:44	1.00	0.994	1.00	120.00	120.00	0.124	0.124	1.00
48	17:55	1.00	1.005	1.00	120.00	120.00	0.674	0.674	1.00
49	18:00	1.00	1.009	1.00	120.00	120.00	0.075	0.075	1.00
50	18:09	1.00	1.018	1.00	120.00	120.00	0.148	0.148	1.00

004491

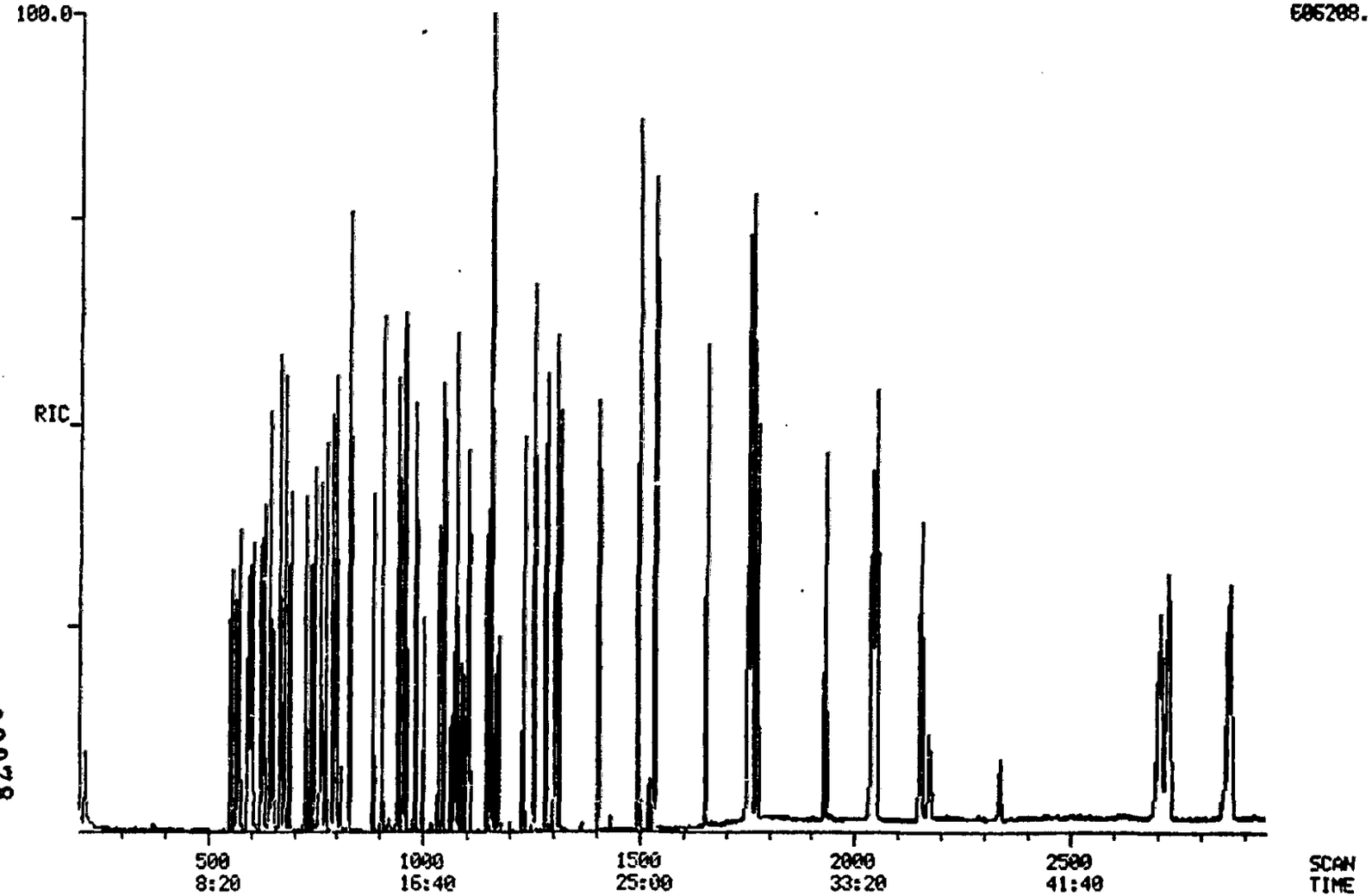
00076

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
51	18:20	1.00	1.028	1.00	120.00	120.00	1.007	1.007	1.00
52	18:25	1.00	1.033	1.00	120.00	120.00	0.222	0.222	1.00
53	17:24	1.00	0.976	1.00	120.00	120.00	0.163	0.163	1.00
54	19:07	1.00	1.072	1.00	120.00	120.00	0.929	0.929	1.00
55	19:15	1.00	1.079	1.00	120.00	120.00	0.771	0.771	1.00
56	19:15	1.00	1.079	1.00	120.00	120.00	0.832	0.832	1.00
57	19:20	1.00	1.084	1.00	120.00	120.00	0.125	0.125	1.00
58	19:29	1.00	0.898	1.00	120.00	120.00	0.080	0.080	1.00
59	19:34	1.00	0.902	1.00	120.00	120.00	0.140	0.140	1.00
60	20:32	1.00	0.946	1.00	120.00	120.00	0.247	0.247	1.00
61	20:55	1.00	0.964	1.00	120.00	120.00	0.258	0.258	1.00
62	21:22	1.00	0.985	1.00	120.00	120.00	0.206	0.206	1.00
63	21:46	1.00	1.003	1.00	120.00	120.00	0.499	0.499	1.00
64	21:53	1.00	1.008	1.00	120.00	120.00	0.550	0.550	1.00
65	23:24	1.00	1.078	1.00	120.00	120.00	0.619	0.619	1.00
66	24:58	1.00	1.151	1.00	120.00	120.00	0.943	0.943	1.00
68	25:35	1.00	0.874	1.00	120.00	120.00	1.858	1.858	1.00
69	27:35	1.00	0.942	1.00	120.00	120.00	0.537	0.537	1.00
70	29:08	1.00	0.995	1.00	120.00	120.00	0.141	0.141	1.00
71	29:13	1.00	0.998	1.00	120.00	120.00	2.166	2.166	1.00
72	29:34	1.00	1.010	1.00	120.00	120.00	0.782	0.782	1.00
73	29:22	1.00	1.003	1.00	120.00	120.00	2.044	2.044	1.00
74	32:12	1.00	0.888	1.00	120.00	120.00	0.736	0.736	1.00
75	34:00	1.00	0.937	1.00	120.00	120.00	1.158	1.158	1.00
76	34:09	1.00	0.942	1.00	120.00	120.00	1.153	1.153	1.00
77	35:53	1.00	0.989	1.00	120.00	120.00	1.046	1.046	1.00
78	45:06	1.00	1.244	1.00	120.00	120.00	1.445	1.445	1.00
79	45:24	1.00	1.252	1.00	120.00	120.00	1.296	1.296	1.00
80	47:51	1.00	1.319	1.00	120.00	120.00	1.385	1.385	1.00

004492

00077

RIC DATA: SBNA160 #1 SCANS 200 TO 2950
07/08/87 12:00:00 CALI: FCJULY8 #81
SAMPLE: SBNA160,5-POINT,160 UG/ML STANDARD
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00078

004493

004493

QUANTITATION REPORT FILE: TEMP

DATA: SBNA160.TI
07/08/87 12:00:00
SAMPLE: SBNA160,5-POINT,160 UG/ML STANDARD
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID: INSTRUMENT: FINN1
SENSITIVITY ID: DFJUL8 ANALYST: BH INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
[redacted]	
14	65A PHENOL (DC#3)
[redacted]	
16	18B BIS(2-CHLOROETHYL)ETHER (DC#5)
17	24A 2-CHLOROPHENOL (DC#6)
18	26B 1,3-DICHLOROBENZENE (DC#7)
19	27B 1,4-DICHLOROBENZENE (DC#8)
20	6H BENZYL ALCOHOL (DC#9 HSL)
21	25B 1,2-DICHLOROBENZENE (DC#10)
22	2H 2-METHYLPHENOL (DC#11)
23	42B BIS(2-CHLOROISOPROPYL)ETHER (DC#12)
24	3H 4-METHYLPHENOL (DC#13)
25	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
26	12B HEXACHLOROETHANE (DC#15)
27	56B NITROBENZENE (DC#21)
28	54B ISOPHORONE (DC#22)
29	57A 2-NITROPHENOL (DC#23)
30	34A 2,4-DIMETHYLPHENOL (DC#24)
31	1H BENZOIC ACID (DC#25)
32	43B BIS(2-CHLOROETHOXY)METHANE (DC#26)
33	31A 2,4-DICHLOROPHENOL (DC#27)
34	8B 1,2,4-TRICHLOROBENZENE (DC#28)
35	55B NAPTHALENE (DC#29)
36	7H 4-CHLOROANILINE (DC#30)
37	52B HEXACHLOROBUTADIENE (DC#31)
38	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
39	9H 2-METHYLNAPHTHALENE (DC#33 HSL)
40	53B HEXACHLOROCYCLOPENTADIENE (DC#38)
41	21A 2,4,6-TRICHLOROPHENOL (DC#39)
42	4H 2,4,5-TRICHLOROPHENOL (DC#40)
43	20B 2-CHLORONAPHTHALENE (DC#41)
44	10H 2-NITROANILINE (DC#42 HSL)
45	71B DIMETHYL PHTHALATE (DC#43)
46	77B ACENAPHTHYLENE (DC#44)

004494

00079

004494

QUANTITATION REPORT FILE: TEMP

DATA: SBNA160 TI
07/08/87 12:00:00
SAMPLE: SBNA160, 5-POINT, 160 UG/ML STANDARD
COND6.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID: INSTRUMENT: FINN1
SENSITIVITY ID: DFJUL8 ANALYST: BH INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
[redacted]	
14	65A PHENOL (DC#3)
[redacted]	
16	18B BIS(2-CHLOROETHYL)ETHER (DC#5)
17	24A 2-CHLOROPHENOL (DC#6)
18	26B 1,3-DICHLOROBENZENE (DC#7)
19	27B 1,4-DICHLOROBENZENE (DC#8)
20	6H BENZYL ALCOHOL (DC#9 HSL)
21	25B 1,2-DICHLOROBENZENE (DC#10)
22	2H 2-METHYLPHENOL (DC#11)
23	42B BIS(2-CHLOROISOPROPYL)ETHER (DC#12)
24	3H 4-METHYLPHENOL (DC#13)
25	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
26	12B HEXACHLOROETHANE (DC#15)
27	56B NITROBENZENE (DC#21)
28	54B ISOPHORONE (DC#22)
29	57A 2-NITROPHENOL (DC#23)
30	34A 2,4-DIMETHYLPHENOL (DC#24)
31	1H BENZOIC ACID (DC#25)
32	43B BIS(2-CHLOROETHOXY)METHANE (DC#26)
33	31A 2,4-DICHLOROPHENOL (DC#27)
34	8B 1,2,4-TRICHLOROBENZENE (DC#28)
35	55B NAPTHALENE (DC#29)
36	7H 4-CHLOROANILINE (DC#30)
37	52B HEXACHLOROBUTADIENE (DC#31)
38	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
39	9H 2-METHYLNAPHTHALENE (DC#33 HSL)
40	53B HEXACHLOROCYCLOPENTADIENE (DC#38)
41	21A 2,4,6-TRICHLOROPHENOL (DC#39)
42	4H 2,4,5-TRICHLOROPHENOL (DC#40)
43	20B 2-CHLORONAPHTHALENE (DC#41)
44	10H 2-NITROANILINE (DC#42 HSL)
45	71B DIMETHYL PHTHALATE (DC#43)
46	77B ACENAPHTHYLENE (DC#44)

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NO	NAME	
47	11H	3-NITROANILINE (DC#45 HSL)
48	1B	ACENAPHTHENE (DC#46)
49	59A	2,4-DINITROPHENOL (DC#47)
50	58A	4-NITROPHENOL (DC#48)
51	8H	DIBENZOFURAN (DC#49 HSL)
52	35B	2,4-DINITROTOLUENE (DC#50)
53	36B	2,6-DINITROTOLUENE (DC#51)
54	70B	DIETHYL PHTHALATE (DC#52)
55	40B	4-CHLOROPHENYL PHENYL ETHER (DC#53)
56	80B	FLUORENE (DC#54)
57	12H	4-NITROANILINE (DC#55 HSL)
58	60A	2-METHYL-4,6-DINITROPHENOL (DC#61)
59	62B	N-NITROSODIPHENYLAMINE (DC#62)
60	41B	4-BROMOPHENYL PHENYL ETHER (DC#63)
61	9B	HEXACHLOROBENZENE (DC#64)
62	64A	PENTACHLOROPHENOL (DC#65)
63	81B	PHENANTHRENE (DC#66)
64	78B	ANTHRACENE (DC#67)
65	68B	DI-N-BUTYL PHTHALATE (DC#68)
66	39B	FLUORANTHENE (DC#69)
[redacted]		
68	84B	PYRENE (DC#74)
69	67B	BUTYLBENZYLPHTHALATE (DC#75)
70	28B	3,3'-DICHLOROBENZIDINE (DC#76)
71	72B	BENZO(A)ANTHRACENE (DC#77)
72	66B	BIS(2-ETHYLHEXYL)PHTHALATE (DC#78)
73	76B	CHRYSENE (DC#79)
74	69B	DI-N-OCTYL PHTHALATE (DC#84)
75	74B	BENZO(B)FLUORANTHENE (DC#85)
76	75B	BENZO(K)FLUORANTHENE (DC#86)
77	73B	BENZO(A)PYRENE (DC#87)
78	83B	INDENO(1,2,3-C,D)PYRENE (DC#88)
79	82B	DIBENZ(A,H)ANTHACENE (DC#89)
80	79B	BENZO(G,H,I)PERYLENE (DC#90)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	132	599	9:59	1	1.000	A BB	45140.	40.000	**	0.35
2	136	795	13:15	2	1.000	A BB	160229.	40.000	**	0.35
3	164	1071	17:51	3	1.000	A BB	85018.	40.000	**	0.35
4	188	1302	21:42	4	1.000	A BB	241174.	40.000	**	0.35
5	240	1756	29:16	5	1.000	A BD	95301.	40.000	**	0.35
6	264	2172	36:12	6	1.000	A BB	160485.	40.000	**	0.35
[redacted]										
14	94	554	9:14	1	0.925	A BB	239572.	160.000	**	1.38
[redacted]										
16	93	566	9:26	1	0.945	A BB	187547.	160.000	**	1.38
17	128	573	9:33	1	0.957	A BB	187352.	160.000	**	1.38
18	146	593	9:53	1	0.990	A?BV	198064.	160.000	**	1.38
19	146	602	10:02	1	1.005	A?VB	220823.	160.000	**	1.38
20	108	623	10:23	1	1.040	A BD	121037.	160.000	**	1.38

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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
21	146	629	10:29	1	1.050	A BB	196719.	160.000	**	1.38
22	108	643	10:43	1	1.073	A BB	169499.	160.000	**	1.38
23	45	649	10:49	1	1.083	A BB	236232.	160.000	**	1.38
24	108	666	11:06	1	1.112	A BB	175469.	160.000	**	1.38
25	70	670	11:10	1	1.119	A BB	113303.	160.000	**	1.38
26	117	677	11:17	1	1.130	A BB	87577.	160.000	**	1.38
27	77	689	11:29	2	0.867	A?BV	189649.	160.000	**	1.38
28	82	727	12:07	2	0.914	A?BV	307374.	160.000	**	1.38
29	139	739	12:19	2	0.930	A BB	89539.	160.000	**	1.38
30	122	746	12:26	2	0.938	A?BV	154990.	160.000	**	1.38
31	122	769	12:49	2	0.967	GEDT	109241.	160.000	**	1.38
32	93	762	12:42	2	0.958	A BB	211281.	160.000	**	1.38
33	162	775	12:55	2	0.975	A BB	135971.	160.000	**	1.38
34	180	788	13:08	2	0.991	A BB	152378.	160.000	**	1.38
35	128	797	13:17	2	1.003	A BB	381170.	160.000	**	1.38
36	127	808	13:28	2	1.016	A BB	42909.	160.000	**	1.38
37	225	828	13:48	2	1.042	A BB	199370.	160.000	**	1.38
38	107	884	14:44	2	1.112	A BB	137029.	160.000	**	1.38
39	142	905	15:05	2	1.138	A?BV	268624.	160.000	**	1.38
40	237	942	15:42	3	0.880	A BB	155053.	160.000	**	1.38
41	196	953	15:53	3	0.890	A?BV	164769.	160.000	**	1.38
42	196	958	15:58	3	0.894	A?VB	165434.	160.000	**	1.38
43	162	981	16:21	3	0.916	A BB	249303.	160.000	**	1.38
44	65	1000	16:40	3	0.934	A BB	62804.	160.000	**	1.38
45	163	1035	17:15	3	0.966	A BB	275742.	160.000	**	1.38
46	152	1047	17:27	3	0.978	A BB	292536.	160.000	**	1.38
47	138	1065	17:45	3	0.994	A BB	37023.	160.000	**	1.38
48	153	1076	17:56	3	1.005	A BB	226693.	160.000	**	1.38
49	184	1081	18:01	3	1.009	A BB	34595.	160.000	**	1.38
50	139	1090	18:10	3	1.018	A BB	54608.	160.000	**	1.38
51	168	1102	18:22	3	1.029	A BB	318978.	160.000	**	1.38
52	89	1106	18:26	3	1.033	A BB	79478.	160.000	**	1.38
53	165	1045	17:25	3	0.976	A BB	65794.	160.000	**	1.38
54	149	1148	19:08	3	1.072	A BB	268555.	160.000	**	1.38
55	204	1156	19:16	3	1.079	A BB	211936.	160.000	**	1.38
56	166	1156	19:16	3	1.079	A BB	227640.	160.000	**	1.38
57	138	1161	19:21	3	1.084	A BB	34164.	160.000	**	1.38
58	198	1169	19:29	4	0.898	A BB	70968.	160.000	**	1.38
59	169	1175	19:35	4	0.902	A BB	97465.	160.000	**	1.38
60	248	1232	20:32	4	0.946	A?BB	162993.	160.000	**	1.38
61	284	1256	20:56	4	0.965	A BB	211699.	160.000	**	1.38
62	266	1283	21:23	4	0.985	A BB	140614.	160.000	**	1.38
63	178	1307	21:47	4	1.004	A?BV	395731.	160.000	**	1.38
64	178	1314	21:54	4	1.009	A?VB	391412.	160.000	**	1.38
65	149	1404	23:24	4	1.078	A BB	433924.	160.000	**	1.38
66	202	1498	24:58	4	1.151	A?BB	748409.	160.000	**	1.38
[redacted]										
68	202	1535	25:35	5	0.874	A BB	749191.	160.000	**	1.38
69	149	1655	27:35	5	0.942	A BB	217858.	160.000	**	1.38
70	252	1747	29:07	5	0.995	A BB	56685.	160.000	**	1.38
71	228	1753	29:13	5	0.998	A?VV	832018.	160.000	**	1.38
72	149	1773	29:33	5	1.010	A BB	320095.	160.000	**	1.38
73	228	1762	29:22	5	1.003	A?VB	805856.	160.000	**	1.38
74	149	1931	32:11	6	0.889	A?BB	521780.	160.000	**	1.38
75	252	2040	34:00	6	0.939	A?BV	859583.	160.000	**	1.38
76	252	2049	34:09	6	0.943	GEDT	781727.	160.000	**	1.38

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ND	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
77	252	2153	35:53	6	0.991	A?V8	648550.	160.000	**	1.38
78	276	2709	45:09	6	1.247	GEDT	905416.	160.000	**	1.38
79	278	2726	45:26	6	1.255	GEDT	821612.	160.000	**	1.38
80	276	2869	47:49	6	1.321	GEDT	752188.	160.000	**	1.38

ND	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:15	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
[redacted]									
14	9:14	1.00	0.925	1.00	160.00	160.00	1.327	1.327	1.00
[redacted]									
16	9:26	1.00	0.945	1.00	160.00	160.00	1.039	1.039	1.00
17	9:33	1.00	0.957	1.00	160.00	160.00	1.038	1.038	1.00
18	9:53	1.00	0.990	1.00	160.00	160.00	1.097	1.097	1.00
19	10:02	1.00	1.005	1.00	160.00	160.00	1.223	1.223	1.00
20	10:23	1.00	1.040	1.00	160.00	160.00	0.670	0.670	1.00
21	10:29	1.00	1.050	1.00	160.00	160.00	1.089	1.089	1.00
22	10:43	1.00	1.073	1.00	160.00	160.00	0.939	0.939	1.00
23	10:49	1.00	1.083	1.00	160.00	160.00	1.308	1.308	1.00
24	11:06	1.00	1.112	1.00	160.00	160.00	0.972	0.972	1.00
25	11:10	1.00	1.119	1.00	160.00	160.00	0.628	0.628	1.00
26	11:17	1.00	1.130	1.00	160.00	160.00	0.485	0.485	1.00
27	11:29	1.00	0.867	1.00	160.00	160.00	0.296	0.296	1.00
28	12:07	1.00	0.914	1.00	160.00	160.00	0.480	0.480	1.00
29	12:19	1.00	0.930	1.00	160.00	160.00	0.140	0.140	1.00
30	12:26	1.00	0.938	1.00	160.00	160.00	0.242	0.242	1.00
31	12:49	1.00	0.967	1.00	160.00	160.00	0.170	0.170	1.00
32	12:42	1.00	0.958	1.00	160.00	160.00	0.330	0.330	1.00
33	12:55	1.00	0.975	1.00	160.00	160.00	0.212	0.212	1.00
34	13:08	1.00	0.991	1.00	160.00	160.00	0.238	0.238	1.00
35	13:17	1.00	1.003	1.00	160.00	160.00	0.595	0.595	1.00
36	13:28	1.00	1.016	1.00	160.00	160.00	0.067	0.067	1.00
37	13:48	1.00	1.042	1.00	160.00	160.00	0.311	0.311	1.00
38	14:44	1.00	1.112	1.00	160.00	160.00	0.214	0.214	1.00
39	15:05	1.00	1.138	1.00	160.00	160.00	0.419	0.419	1.00
40	15:42	1.00	0.880	1.00	160.00	160.00	0.456	0.456	1.00
41	15:53	1.00	0.890	1.00	160.00	160.00	0.485	0.485	1.00
42	15:58	1.00	0.894	1.00	160.00	160.00	0.486	0.486	1.00
43	16:21	1.00	0.916	1.00	160.00	160.00	0.733	0.733	1.00
44	16:40	1.00	0.934	1.00	160.00	160.00	0.185	0.185	1.00
45	17:15	1.00	0.966	1.00	160.00	160.00	0.811	0.811	1.00
46	17:27	1.00	0.978	1.00	160.00	160.00	0.860	0.860	1.00
47	17:45	1.00	0.994	1.00	160.00	160.00	0.109	0.109	1.00
48	17:56	1.00	1.005	1.00	160.00	160.00	0.667	0.667	1.00
49	18:01	1.00	1.009	1.00	160.00	160.00	0.102	0.102	1.00
50	18:10	1.00	1.018	1.00	160.00	160.00	0.161	0.161	1.00

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00082

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNI	AMNT(L)	R. FAC	R. FAC(L)	RATIO
51	18:22	1.00	1.029	1.00	160.00	160.00	0.938	0.938	1.00
52	18:26	1.00	1.033	1.00	160.00	160.00	0.234	0.234	1.00
53	17:25	1.00	0.976	1.00	160.00	160.00	0.193	0.193	1.00
54	19:08	1.00	1.072	1.00	160.00	160.00	0.790	0.790	1.00
55	19:16	1.00	1.079	1.00	160.00	160.00	0.623	0.623	1.00
56	19:16	1.00	1.079	1.00	160.00	160.00	0.669	0.669	1.00
57	19:21	1.00	1.084	1.00	160.00	160.00	0.100	0.100	1.00
58	19:29	1.00	0.898	1.00	160.00	160.00	0.074	0.074	1.00
59	19:35	1.00	0.902	1.00	160.00	160.00	0.101	0.101	1.00
60	20:32	1.00	0.946	1.00	160.00	160.00	0.169	0.169	1.00
61	20:56	1.00	0.965	1.00	160.00	160.00	0.219	0.219	1.00
62	21:23	1.00	0.985	1.00	160.00	160.00	0.146	0.146	1.00
63	21:47	1.00	1.004	1.00	160.00	160.00	0.410	0.410	1.00
64	21:54	1.00	1.009	1.00	160.00	160.00	0.406	0.406	1.00
65	23:24	1.00	1.078	1.00	160.00	160.00	0.450	0.450	1.00
66	24:58	1.00	1.151	1.00	160.00	160.00	0.776	0.776	1.00
68	25:35	1.00	0.874	1.00	160.00	160.00	1.965	1.965	1.00
69	27:35	1.00	0.942	1.00	160.00	160.00	0.571	0.571	1.00
70	29:07	1.00	0.995	1.00	160.00	160.00	0.149	0.149	1.00
71	29:13	1.00	0.998	1.00	160.00	160.00	2.183	2.183	1.00
72	29:33	1.00	1.010	1.00	160.00	160.00	0.840	0.840	1.00
73	29:22	1.00	1.003	1.00	160.00	160.00	2.114	2.114	1.00
74	32:11	1.00	0.889	1.00	160.00	160.00	0.813	0.813	1.00
75	34:00	1.00	0.939	1.00	160.00	160.00	1.339	1.339	1.00
76	34:09	1.00	0.943	1.00	160.00	160.00	1.218	1.218	1.00
77	35:53	1.00	0.991	1.00	160.00	160.00	1.010	1.010	1.00
78	45:09	1.00	1.247	1.00	160.00	160.00	1.410	1.410	1.00
79	45:26	1.00	1.253	1.00	160.00	160.00	1.280	1.280	1.00
80	47:49	1.00	1.321	1.00	160.00	160.00	1.483	1.483	1.00

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7435-6-008

Pesticide Evaluation Standards Summary
(page 1)

Case No: 7435 Region: 6
Contract No: 68-01-7143
Date of Analysis: 6-24-87

Laboratory : SAIC/JRB Associates Inc.
GC column: packed 1
Instrument ID: delta

Evaluation Check for Linearity

Laboratory ID	SL# 459	SL# 456	SL# 458	
Pesticide	Calibration Factor Eval Mix A	Calibration Factor Eval Mix B	Calibration Factor Eval Mix C	% RSD (<=10%)
Aldrin	488500	468577	502431	3.50
Endrin	42.50	43.00	46.50	4.95 *
4,4'-DDT(1)	287483	294260	336247	8.63
DBC	17.50	17.50	17.75	0.82 *

*- % RSD DETERMINED BY PEAK HEIGHT

004500

Evaluation Check for 4,4'-DDT/Endrin Breakdown

(percent breakdown expressed as total degradation)

	Laboratory I.D.	Time of Analysis	Endrin	4,4'-DDT	Combined(2)
Eval Mix B 72 Hour	SL #436	10:14	0.0	1.7	0.0
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E. Section 7.5.4
(2) See exhibit E. Section 7.3.1.2.2.1

Form VIII

SAIC
68-01-7143
CASE 7435
6-24-87
PACKED 1

Pesticide Evaluation Standards Summary
(Page 2)
Evaluation of Retention Time Shift for Dibutyl Chlorendate
Report all standards, blanks and samples

21.37 - 22.75

SMO Sample No	Lab I.D	Time of Analysis	Percent Diff	SMO Sample No.	Lab I.D.	Time of Analysis	Percent Diff
2-1-87 EVAL MIX B	SC#456	10:14	0.0				
EVAL MIX C	SC#458	10:51	0.3				
EVAL MIX A	SC#459	15:47	0.6				
6-25-87 INDIV MIX A	SC#19801	15:19:00	0.7				
INDIV MIX B	SC#406	15:56:47	0.6				
TOXAPHENE	SC#461	17:01:30	0.3				
CHLORDANE	SC#407	17:39:18	0.1				
PCB 1016/1260	SC#427	18:17:00	0.1				
PCB 1221	—	18:55:23	0.1				
PCB 1232	—	19:32:53	0.2				
PCB 1242	SC#408	20:10:50	0.2				
PCB 1248	SC#425	20:48:41	0.5				
PCB 1254	SC#420	21:26:36	0.6				
METH BLANK	87163006MB	22:04:45	0.7				
FD 388 MS	87163004	22:41:58	0.9				
FD 388 MSD	87163005	23:19:46	0.9				
FD 388	87163001	23:57:41	0.8				
INDIV MIX A	SC#19801	00:35:06	0.7				

Pesticide Evaluation Standards Summary
(page 1)

Case No: 7435 Region: 6
Contract No: 68-01-7143
Date of Analysis: 6-29-87

Laboratory : SAIC/JRB Associates Inc.
GC column: packed 2
Instrument ID: delta

Evaluation Check for Linearity

Laboratory ID	SL# 459	SL# 456	SL# 458	
Pesticide	Calibration Factor Eval Mix A	Calibration Factor Eval Mix B	Calibration Factor Eval Mix C	% RSD (<=10%)
Aldrin	364900	386962	434471	8.99
Endrin	3750	41.00	46.50	10.9 *
4,4'-DDT(1)	234567	277160	327762	16.67
DBC	292515	303760	309230	2.82

*- % RSD CALCULATED BY PEAK HEIGHT.

004502

Evaluation Check for 4,4'-DDT/Endrin Breakdown

(percent breakdown expressed as total degradation)

	Laboratory I.D.	Time of Analysis	Endrin	4,4'-DDT	Combined(2)
Eval Mix B 72 Hour	SL #456	11:08:08	2.5	0.0	0.0
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E. Section 7.5.4
(2) See exhibit E. Section 7.3.1.2.2.1

SAIC
68-01-7143
CASE 7435
6-29-87
PACKED 2

Pesticide Evaluation Standards Summary
(page 2)

Evaluation of Retention Time Shift for Dibutyl Chlorendate
Report all standards, blanks and samples

2587-2693

SMO Sample No.	Lab I.D.	Time of Analysis	Percent Diff.	SMO Sample No.	Lab I.D.	Time of Analysis	Percent Diff.
SC# 456	EVAL MIX B S	11:08	0.0				
SC# 458	EVAL MIX C S	11:45	0.1				
SC# 459	EVAL MIX A S	12:22	0.1				
SC# 198 D1	INDIV MIX A	12:59	0.2				
SC# 406	INDIV MIX B	13:37	0.2				
METH BLNK	B7163006MB	15:18	0.1				
F0388MS	B7163004MS S	15:55	0.3				
F0388MSD	B7163005MSD	16:32	0.3				
SC# 406	INDIV MIX B	17:47	0.1				

004503

Form VIII (continued)

PESTICIDE/PCB STANDARDS SUMMARY

CASE NO : 7435 LABORATORY: SAIC/JRB Associates Inc.
CONTRACT: 68-01-7143 GC COLUMN : packed 1 GC INSTRUMENT ID:delta

DATE OF ANALYSIS: 06-25-1987
TIME OF ANALYSIS: 15:19:00
LABORATORY ID : INDIV MIX A SL# 19801

DATE OF ANALYSIS: 06-26-1987
TIME OF ANALYSIS: 00:35:06
LABORATORY ID : INDIV MIX A SL# 19801

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.
alpha-BHC	2.08	2.05- 2.11	515375	Q	2.08	511125	Q	0.8
beta-BHC	2.83	2.78- 2.88	265369					
delta-BHC	3.30	3.24- 3.36	405250					
gamma-BHC	2.57	2.52- 2.62	437868	Q	2.57	463000	Q	5.7
HEPTACHLOR	3.12	3.06- 3.18	456846	Q	3.12	455971	Q	0.2
ALDRIN	3.73	3.67- 3.79	435183	Q	3.73	423017	Q	2.8
HEPTACHLOR EPOXIDE	5.28	5.17- 5.39	449947					
ENDOSULFAN-I	6.55	6.44- 6.66	416187					
DIELDRIN	7.88	7.73- 8.03	411796					
4,4'-DDE	7.42	7.28- 7.56	405167	Q	7.40	398271	Q	1.7
ENDRIN	9.48	9.33- 9.63	396727	Q	9.47	407435	Q	2.7
ENDOSULFAN-II	11.25	11.04-11.46	413994					
4,4'-DDD	10.92	10.72-11.12	346353	Q	10.88	340812	Q	1.6
ENDRIN ALDEHYDE	14.15	13.89-14.41	253635					
ENDOSULFAN SULFATE	16.62	16.32-16.92	346062	Q	16.58	348475	Q	0.7
4,4'-DDT	13.08	12.81-13.35	271142					
METHOXYCHLOR	23.90	23.41-24.39	190429	Q	23.88	200411	Q	5.2
ENDRIN KETONE	22.97	22.49-23.45	253283					
CHLORDANE	6.37	6.25-6.49						
alpha-CHLORDANE	6.35	6.26-6.44	384983					
gamma-CHLORDANE	5.87	5.75-5.99	401867					
TOXAPHENE	11.50	11.30-11.70						
PCB-1016	3.08	3.02-3.14						
PCB-1221	1.98	1.95-2.01						
PCB-1232	3.07	3.04-3.10						
PCB-1242	3.08	3.02-3.14						
PCB-1248	3.07	3.02-3.12						
PCB-1254	8.15	8.01-8.29						
PCB-1260	9.18	9.04-9.32						

*SEE EXHIBIT B, PART 7

** CONF. = CONFIRMATION (<20% DIFFERENCE)
QUANT. = QUANTITATION (<15% DIFFERENCE)

004504

00088

FORM IX

B062945,10

PESTICIDE/PCB STANDARDS SUMMARY

CASE NO : 7435
CONTRACT: 68-01-7143

LABORATORY: SAIC/JRB Associates Inc.
GC COLUMN : packed 2 GC INSTRUMENT ID:delta

DATE OF ANALYSIS: 06-29-1987
TIME OF ANALYSIS: 13:37:25
LABORATORY ID : INDIV MIX B SL8406

DATE OF ANALYSIS: 06-29-1987
TIME OF ANALYSIS: 17:47:59
LABORATORY ID : INDIV MIX B SL8406

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.
alpha-BHC	2.18	2.12- 2.24	400625					
beta-BHC	2.33	2.27- 2.39	210994					
delta-BHC	2.63	2.57- 2.69	248360	C	2.33	223187	C	5.8
gamma-BHC	2.53	2.47- 2.59	370353	C	2.63	276560	C	11.4
HEPTACHLOR	3.97	3.88- 4.06	388913					
ALDRIN	4.87	4.78- 4.96	346133					
HEPTACHLOR EPOXIDE	5.88	5.74- 6.02	383105					
ENDOSULFAN-I	7.25	7.09- 7.41	350844	C	5.87	401171	C	4.7
DIELDRIN	8.42	8.23- 8.61	341583	C	7.25	366229	C	4.4
4,4'-DDE	8.28	8.16- 8.40	299583	C	8.42	353675	C	3.5
ENDRIN	9.37	9.20- 9.54	354156					
ENDOSULFAN-II	9.62	9.43- 9.81	311461	C	9.62	322619	C	3.6
4,4'-DDD	10.42	10.31-10.53	246880					
ENDRIN ALDEHYDE	10.58	10.38-10.78	273693	C	10.58	282503	C	2.5
ENDOSULFAN SULFATE	12.23	12.08-12.38	114142					
4,4'-DDT	13.43	13.18-13.68	282442	C	13.42	297377	C	5.3
METHOXYCHLOR	19.57	19.38-19.76	164083					
ENDRIN KETONE	15.57	15.29-15.85	331591	C	15.57	342231	C	3.2
CHLORDANE								
alpha-CHLORDANE								
gamma-CHLORDANE								
TOXAPHENE								
PCB-1016								
PCB-1221								
PCB-1232								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								

*SEE EXHIBIT B, PART 7

** CONF. = CONFIRMATION (<20% DIFFERENCE)
QUANT. = QUANTITATION (<15% DIFFERENCE)

004505

Pesticide/PCB Identification

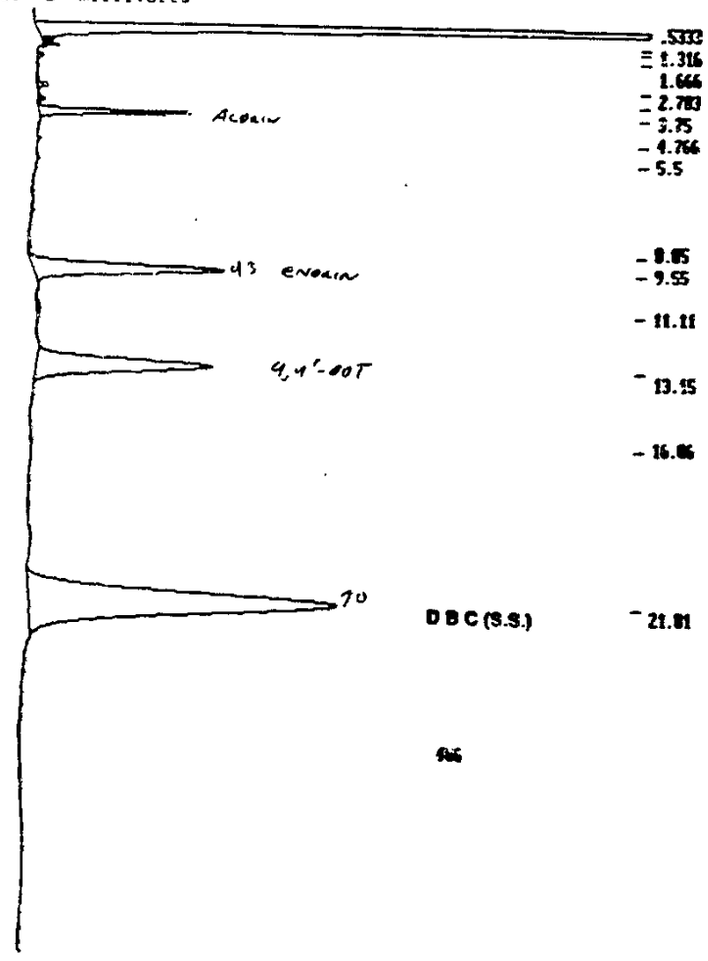
Case No. 7435

Contract No. 68-01-7143

Laboratory SAIC

SAMPLE ID	PRIMARY COLUMN	PESTICIDE/ PCB	RT OF TENTATIVE ID	RT WINDOW OF APPROPRIATE STANDARD	CONFIRMATION COLUMN	RT ON CONFIRMATORY COLUMN	RT WINDOW OF APPROPRIATE STANDARD	GC/MS CONFIRMED (Y or N)
FD388 MS	PACKED 1	γ-BHC	2.55	2.52 – 2.62	PACKED 2	2.55	2.47 – 2.59	N
"	"	HEPTACHLOR	3.12	3.06 – 3.18	"	3.97	3.88 – 4.06	N
"	"	ALDRIN	3.72	3.67 – 3.79	"	4.87	4.78 – 4.96	N
"	"	DIELDRIN	7.85	7.73 – 8.03	"	8.42	8.23 – 8.61	N
"	"	ENDRIN	9.47	9.33 – 9.63	"	9.37	9.20 – 9.54	N
"	"	4,4'-DDT	13.03	12.81 – 13.35	"	13.43	13.18 – 13.68	N
FD388 MSD	PACKED 1	γ-BHC	2.57	2.52 – 2.62	PACKED 2	2.55	2.47 – 2.59	N
"	"	HEPTACHLOR	3.12	3.06 – 3.18	"	3.97	3.88 – 4.06	N
"	"	ALDRIN	3.72	3.67 – 3.79	"	4.87	4.78 – 4.96	N
"	"	DIELDRIN	7.87	7.73 – 8.03	"	8.42	8.23 – 8.61	N
"	"	ENDRIN	9.47	9.33 – 9.63	"	9.38	9.20 – 9.54	N
"	"	4,4'-DDT	13.05	12.81 – 13.35	"	13.43	13.18 – 13.68	N

DATA FILE D:E06231.HDR TAKEN 06-24-1987 10:14:23
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



7435-6-908

****** EXTERNAL STANDARD TABLE ******

CASE #7435

* Sample Name: EVAL MIX B SL#456 Operator Initials: SG *
* Date: 06-24-1987 10:14:23 Method: IFB-PI-1 DATA FILE: D:E06231.PTS *
* Interface: 1 Cycle#: 1 Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 0 Threshold: 0 PACKED 1 *

Starting Delay: 0.00 Ending retention time: 0.00
Area reject: 0 One sample per 0.000 sec.
Amount injected: 1.00 Dilution factor: 1.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/UL	NORMALIZED CONC%	AREA	AREA/ HEIGHT	HEIGHT/ AREA	BL	REF PEAK	%	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	170454	30221	5.6	I				0.0000E+00
2	1.18		0.0000	0.0000%	382	90	4.3	I				0.0000E+00
3	1.32		0.0000	0.0000%	547	121	4.5	I				0.0000E+00
4	1.67		0.0000	0.0000%	477	45	10.6	I				0.0000E+00
5	2.00	alpha-BHC	0.0002	0.0001%	82	15	5.6	I	0		0	1.9903E-06
6	2.50	gamma-BHC	0.0002	0.0001%	97	15	6.5	I	0		.6493	2.2830E-06
7	2.78	beta-BHC	0.0026	0.0014%	680	87	7.8	I	0		-1.760	3.7603E-06
8	3.30	delta-BHC	0.0012	0.0007%	474	58	8.1	I	0		0	2.4676E-06
9	3.75	ALDRIN	0.0280	0.0150%	12183	1236	9.9	I	0	0.026	.4464	2.2970E-06
10	4.77		0.0000	0.0000%	156	20	7.8	I				0.0000E+00
11	5.50		0.0000	0.0000%	119	14	8.6	I				0.0000E+00
12	6.45	alpha-CHLORDANE	0.0001	0.0001%	44	7	6.3	I	0		1.574	2.5770E-06
13	8.05		0.0000	0.0000%	130	10	15.2	I				0.0000E+00
14	9.55	ENDRIN	176.3710	99.4772%	35575	1544	23.0	I	0	0.10	.7223	4.9577E-03
15	11.12	4,4'-DDE	0.0022	0.0012%	756	27	28.5	I	0		1.032	2.8072E-06
16	13.15	4,4'-DDT	0.1620	0.0910%	44139	1410	31.2	I	0	0.15	.3095	3.6801E-06
17	16.07		0.0000	0.0000%	102	8	12.8	I				0.0000E+00
18	19.33		0.0009	0.0007%	92	6	14.2	I				0.0000E+00
19	21.82	BIBUTYLCHLOREXDATE	0.7296	0.4115%	137933	2402	55.4	I	0	0.40	.3063	5.3003E-06
20	25.07		0.0000	0.0000%	16	4	4.0	I				0.0000E+00
21	26.57		0.0000	0.0000%	49	8	6.5	I				0.0000E+00
22	28.27		0.0000	0.0000%	40	6	6.3	I				0.0000E+00
23	34.20		0.0090	0.0000%	49	9	11.6	I				0.0000E+00

TOTAL AMOUNT = 177.2987

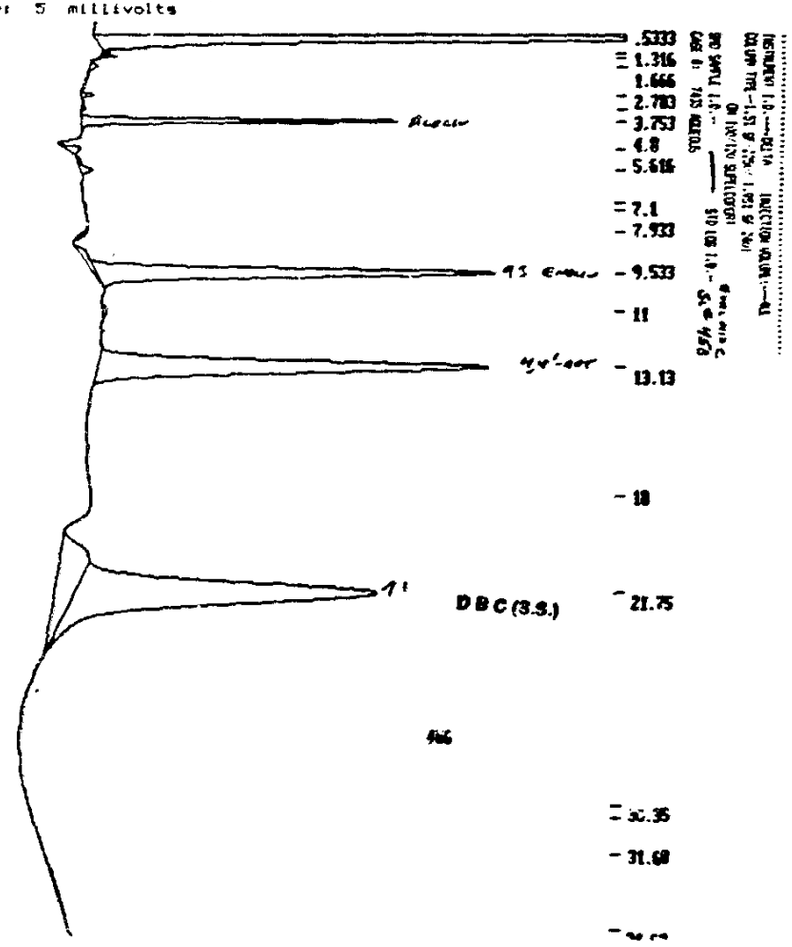
00092

004508

004508

004509

DATA FILE D:E06232.HDR TAKEN 06-24-1987 10:51:37
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



00093

004509

****** EXTERNAL STANDARD TABLE ******

CASE # 7435

```
*****************************************************************************
* Sample Name: EVAL MIX C    SC#58                Operator Initials: SG      *
* Date:  06-24-1987 10:51:37 Method:IFB-P1-1      DATA FILE: D:E06232.PTS    *
* Interface: 1               Cycle#:  1           Channel#: 0   Vial#: N.A.  *
* Starting Peak Width:  0    Threshold:  0        PACKED 1"                  *
*****************************************************************************
```

Starting Delay: 0.00 — Ending retention time: 0.00
Area reject: 0 — One sample per 0.000 sec.
Amount injected: 1.00 — Dilution factor: 1.00

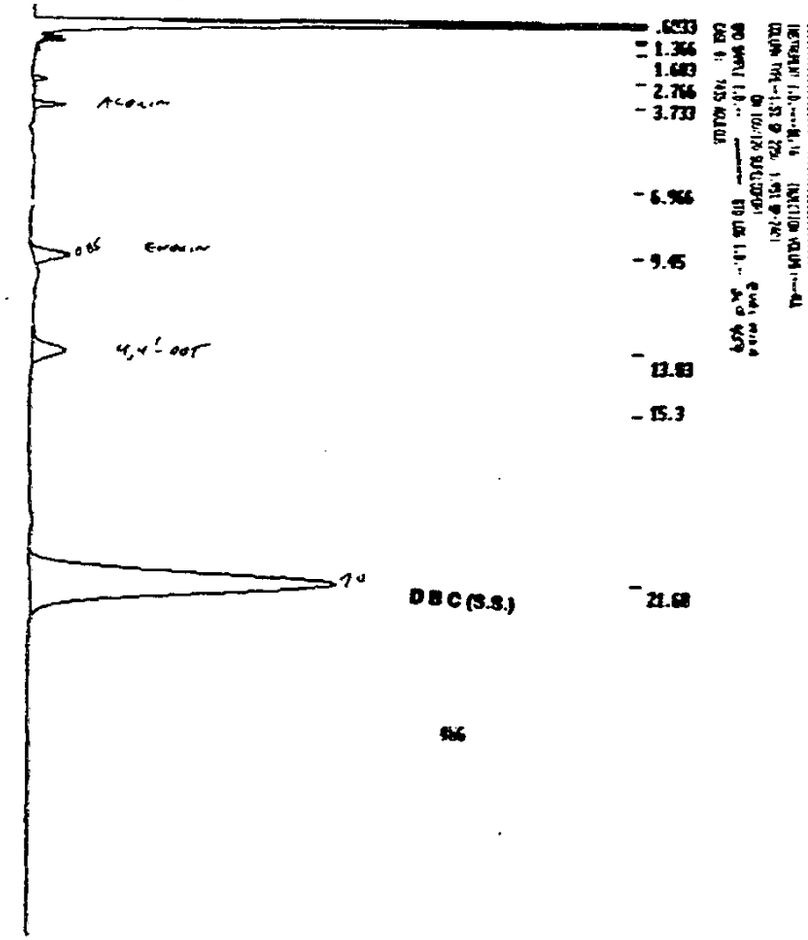
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC1	AREA	AREA HEIGHT	AREA HEIGHT RL		REF PEAK	RS rel	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	633426	154049	4.1	1				0.0000E+00
2	1.18		0.0000	0.0000%	277	66	4.5	1				0.0000E+00
3	1.32		0.0000	0.0000%	621	135	4.6	1				0.0000E+00
4	1.67		0.0000	0.0000%	440	63	10.1	1				0.0000E+00
5	2.78	beta-BHC	0.0032	0.0000%	860	99	8.7	1	0		-1.788	3.7683E-06
6	3.20	delta-BHC	0.0008	0.0002%	321	29	10.6	1	0		-.2030	2.4676E-06
7	3.75	ALDRIN	0.0589	0.0150%	25624	2626	9.8	1	0	0.651	.4464	2.2979E-06
8	4.00		0.0000	0.0000%	1937	125	15.3	1				0.0000E+00
9	5.62		0.0000	0.0000%	1775	96	18.6	1				0.0000E+00
10	6.00		0.0000	0.0000%	141	7	20.4	1				0.0000E+00
11	7.10		0.0000	0.0000%	165	13	12.5	1				0.0000E+00
12	7.45	4,4'-DDE	0.0002	0.0001%	93	8	11.9	1	0		.5490	2.4601E-06
13	7.93	DIELDRIN	0.0019	0.0005%	770	22	35.2	1	0		.6342	2.4208E-06
14	9.53	ENDRIN	391.5231	99.6395%	78972	3330	23.7	1	0	0.20	.3625	4.9577E-03
15	11.00	4,4'-DDD	0.0026	0.0007%	910	30	30.3	1	0		.7633	2.8572E-06
16	13.13	4,4'-DDT	0.3729	0.0949%	100074	3237	31.2	2	0	0.36	.3021	3.6801E-06
17	14.67		0.0000	0.0000%	56	8	6.6	1				0.0000E+00
18	17.07		0.0000	0.0000%	29	7	4.1	1				0.0000E+00
19	18.00		0.0000	0.0000%	265	10	26.5	1				0.0000E+00
20	21.75	DIBUTYLCHLORENDATE	0.9768	0.2486%	104429	2672	68.9	1	0	0.46	0	5.3083E-06
21	26.42		0.0000	0.0000%	39	3	12.0	1				0.0000E+00
22	28.08		0.0000	0.0000%	67	5	12.8	1				0.0000E+00
23	28.98		0.0000	0.0000%	35	3	10.9	1				0.0000E+00
24	29.83		0.0000	0.0000%	129	9	14.7	1				0.0000E+00
25	30.33		0.0000	0.0000%	122	9	13.4	1				0.0000E+00
26	31.68		0.0000	0.0000%	537	12	46.5	1				0.0000E+00
27	34.63		0.0000	0.0000%	1861	11	165.7	1				0.0000E+00

TOTAL AMOUNT = 392.9596

00094

004510

DATA FILE D:E06236.HDR TAKEN 06-24-1987 15:47:03
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



004511

****** EXTERNAL STANDARD TABLE ******

CAK # 7435

* Sample Name: EVAL MIX A SL# 365459 Operator Initials: SB *
* Date: 06-24-1987 15:47:03 Method: IFB-P1-1 DATA FILE: D:E06236.PTS *
* Interface: 1 Cycle#: 6 Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 0 Threshold: 0 "PACKED 1" *

Starting Delay: 0.00 Ending retention time: 0.00
Area reject: 0 One sample per 0.000 sec.
Amount injected: 1.00 Dilution factor: 1.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC%	AREA	AREA/ HEIGHT	HEIGHT/ HW		REF PEAK	NS ~	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	49670	15085	3.1	I				0.000E+00
2	0.68		0.0000	0.0000%	12349	3020	4.1	I				0.000E+00
3	1.17		0.0000	0.0000%	505	130	3.9	I				0.000E+00
4	1.30		0.0000	0.0000%	826	166	5.0	I				0.000E+00
5	1.68		0.0000	0.0000%	232	26	9.0	I				0.000E+00
6	2.77		0.0000	0.0000%	789	108	7.3	I				0.000E+00
7	3.73	ALDRIN	0.0056	0.0169%	2443	256	9.5	I	S	0.005	0	2.297E-06
8	4.00		0.0006	0.0000%	79	7	10.0	I				0.000E+00
9	5.60		0.0000	0.0000%	42	6	6.9	I				0.000E+00
10	6.97		0.0000	0.0000%	209	19	11.1	I				0.000E+00
11	8.25		0.0000	0.0000%	20	7	2.6	I				0.000E+00
12	9.45	ENDRIN	32.4483	97.6916%	6549	297	22.1	I	S	0.020	-.3160	4.957E-03
13	10.10		0.0000	0.0000%	54	6	8.5	I				0.000E+00
14	13.03	4,4'-DDT	0.0510	0.0957%	8623	270	32.0	I	0	0.030	-.3821	3.688E-06
15	14.13	ENDRIN ALDEHYDE	0.0002	0.0005%	44	9	5.1	I	0		-.1177	3.947E-06
16	15.30		0.0000	0.0000%	126	8	15.1	I				0.000E+00
17	16.63	ENDOSULFAN SULFATE	0.0002	0.0005%	57	6	9.5	I	0		1.383	2.889E-06
18	21.68	DIBUTYLCHLORENDATE	0.7293	2.1944%	137393	2403	55.3	V	0	0.40	-.3065	5.308E-06
19	23.53	ENDRIN KETONE	0.0001	0.0004%	32	2	13.0	I	0		1.596	3.940E-06
20	24.82		0.0000	0.0000%	37	7	5.3	I				0.000E+00
21	30.82		0.0000	0.0000%	85	7	12.7	I				0.000E+00
22	33.25		0.0000	0.0000%	41	4	9.5	I				0.000E+00

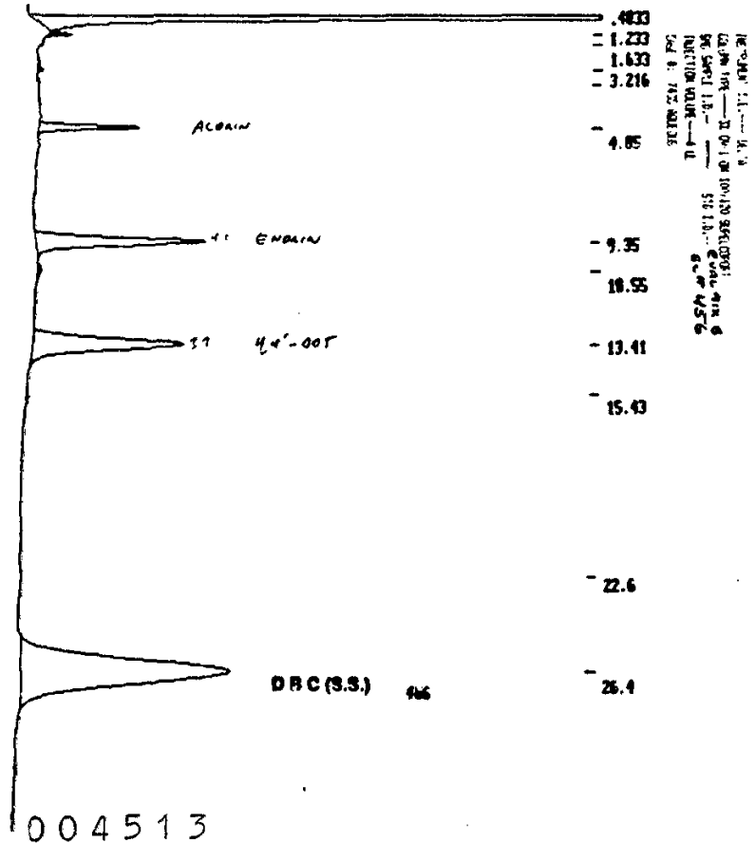
TOTAL AMOUNT = 33.2335

96000

004512

BATCH RE-PROCESS BEGINNING 06-29-1987, 14:22:07

BATCH RE-PROCESS FILE # 1
DATA FILE: D:R06291.HDR
METHOD FILE: D:IFB-P2-1.MEF
AREAS, TIMES, AND HEIGHTS STORED IN: D:R06291.ATB
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

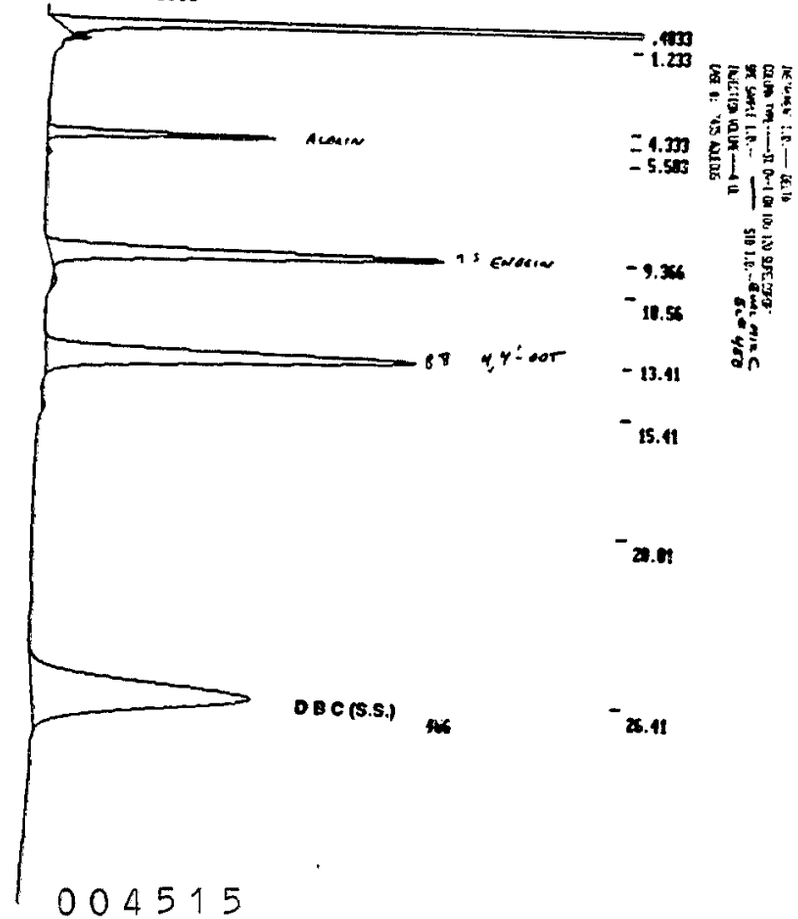
CASE # 7435

```
*****************************************************************************
* Sample Name: EVAL MIX B  SL#456                 Operator Initials: SG     *
* Date:  06-29-1987 11:08:08 Method:D:IFB-P2-1    DATA FILE: D:B06291.PTS   *
* Interface: 1               Cycle#:  1           Channel#: 0   Vial#: N.A. *
* Starting Peak Width:  10   Threshold:  .01        PACKED 2                *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                Dilution factor:        1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/UL	NORMALIZED CONCE	AREA	AREA/ HEIGHT	AREA/ HEIGHT RL	REF PEAK	NG on col	% DELTA RET TIME	CONC/AREA
1	0.48		0.0000	0.0000%	166300	32107	5.2 1				0.0000E+00
2	1.25		0.0000	0.0000%	1169	209	5.6 1				0.0000E+00
3	1.63		0.0000	0.0000%	109	21	5.2 1				0.0000E+00
5	2.63	~~delta-BHC 0~~	0.0014	0.0000%	332	43	7.7 1	0		0	4.1875E-06
6	3.22		0.0000	0.0000%	120	6	19.9 1				0.0000E+00
7	4.85	ALDRIN 0	2.4791	0.0000%	10061	853	11.8 1	0	0.026	-.4198	2.6441E-04
10	9.35	ENDRIN 0	0.0903	0.0000%	31964	1447	22.1 1	0	0.10	-.1779	2.8236E-06
11	10.53	ENDRIN ALDEHYDE 0	0.0000	0.0000%	664	34	19.7 1	0		-.2835	2.9467E-06
12	13.42	4,4'-DDT 0	0.1472	0.0000%	41574	1298	32.0 1	0	0.15	-.1240	3.5406E-06
13	15.43	ENDRIN KETONE 0	0.0006	0.0000%	162	9	17.2 1	0		-.0565	4.0477E-06
14	22.60		0.0000	0.0000%	132	4	30.0 1				0.0000E+00
15	26.40	DIBUTYLCHLORENDATE	0.5187	0.0000%	121304	1802	67.3 1	0	0.40	0	4.2760E-06

TOTAL AMOUNT = 0.0000

BATCH RE-PROCESS FILE # 2
DATA FILE: D:B06292.HDR
METHOD FILE: D:IFB-P2-1.MET
AREAS, TIMES, AND HEIGHTS STORED IN: D:B06292.ATB
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



66000

004515

OUTPUT FROM REPORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CASE #7435

```
*****************************************************************************
* Sample Name: EVAL MIX C  SL#458                  Operator Initials: SG    *
* Date:  06-29-1987 11:45:37 Method:D:IFB-P2-1     DATA FILE: D:806292.PTS  *
* Interface: 1                Cycle#:  2           Channel#: 0   Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01      " PACKED 2"              *
*****************************************************************************
```

Area reject: 100
Amount injected: 1.00 Dilution factor: 1.00

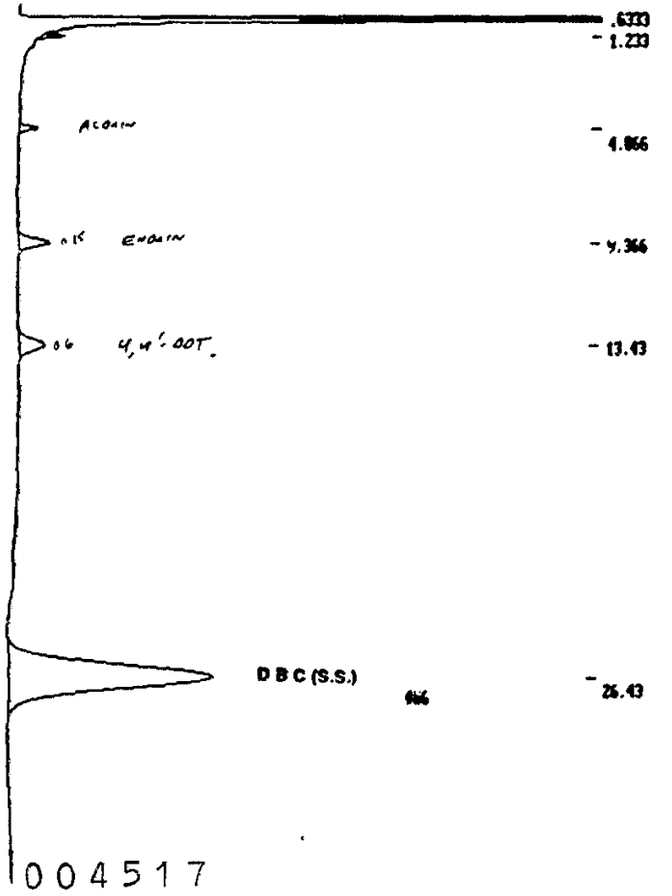
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	#5 or COL	% DELTA RET TIME	CONC/AREA
2	0.46		0.0000	0.0000%	631683	147647	4.3 1				0.0000E+00
3	1.25		0.0000	0.0000%	957	170	5.5 1				0.0000E+00
4	4.33		0.0000	0.0000%	184	13	14.5 1				0.0000E+00
5	4.87	ALDRIN O	5.4599	0.0000%	22158	1913	11.6 1	0	0.051	-6.845	2.4641E-04
6	5.58		0.0000	0.0000%	415	32	12.9 1				0.0000E+00
7	9.37	ENDRIN O	0.2046	0.0000%	72469	3309	21.9 1	0	0.20	0	2.8234E-06
8	10.57	ENDRIN ALDEHYDE O	0.0009	0.0000%	727	34	21.6 1	0		-.1260	2.9467E-08
9	13.42	4,4'-DDT O	0.3481	0.0000%	98329	3109	31.6 1	0	0.30	-.1200	3.5404E-06
10	15.42	ENDRIN KETONE O	0.0008	0.0000%	188	12	16.3 1	0		-.9633	4.0077E-06
11	20.02		0.0000	0.0000%	274	9	30.0 1				0.0000E+00
13	26.42	DIBUTYLCHLORENDATE	0.5280	0.0000%	123692	1825	67.7 1	0	0.40	6.313	4.2689E-06

TOTAL AMOUNT = 0.0000

00100

004516

BATCH RE-PROCESS FILE # 3
DATA FILE: D:B06293.HDR
METHOD FILE: D:IFB-P2-1.MET
AREAS, TIMES, AND HEIGHTS STORED IN: D:B06293.ATB
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



00101

004517

OUTPUT FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAL #7935

* Sample Name: EVAL MIX A SL#459
* Date: 06-29-1987 12:22:44 Method: D:IFB-P2-1
* Interface: 1 Cycle#: 3
* Starting Peak Width: 10 Threshold: .01

Operator Initials: SG
DATA FILE: D:B06293.PTS
Channel#: 0 Vial#: N.A.
"PAGE 2"

Area reject: 100
Amount injected: 1.00

Dilution factor: 1.00

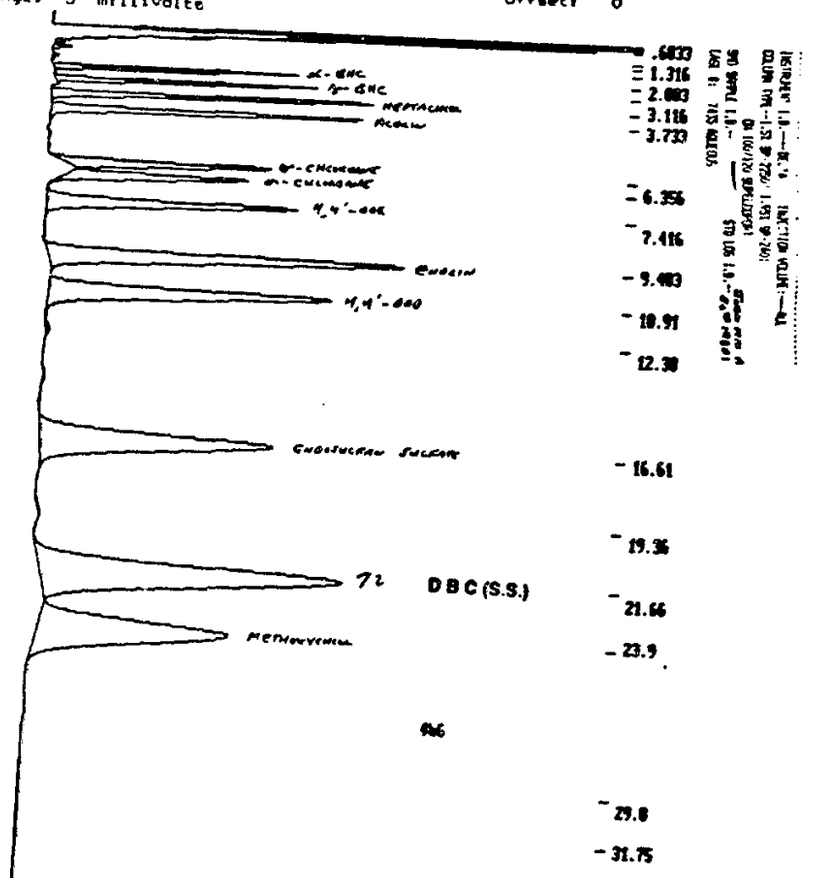
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/4UL	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% ON CAL.	% DELTA RET TIME	CONC/AREA
1	0.48		0.0000	0.0000%	49760	18150	2.7	1				0.0000E+00
2	0.63		0.0000	0.0000%	8753	2256	3.9	1				0.0000E+00
3	1.23		0.0000	0.0000%	1161	191	6.1	1				0.0000E+00
5	4.87	ALDRIN O	0.0496	0.0000%	1825	154	11.9	1	0	0.005	-6.045	2.6441E-00
7	9.57	ENDRIN O	0.0156	0.0000%	5331	259	21.4	1	0	0.20	0	2.8736E-06
8	13.43	4,4'-DDT O	0.0249	0.0000%	7037	210	32.5	1	0	0.030	0	3.5406E-06
9	26.63	DIBUTYLCHLORENDATE	0.4995	0.0000%	117066	1720	67.7	1	0	0.40	.1262	4.2669E-06

TOTAL AMOUNT = 0.0000

00102

004518

INDIV MIX Processed: 06-25-1987 15:18:25, segment 1 , cycle 7
Raw Data Stored in Files: D:E06237.HDR D:E06237.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

PRINTOUT FROM LOTUS PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAS # 7435

```
*****************************************************************************
* Sample Name: INDIV MIX A  SL# 19BD1              Operator Initials: SG    *
* Date:  06-25-1987 15:19:00 Method:IFB-P1-1       DATA FILE: D:E06237.PT8  *
* Interface: 1                Cycle#:  7           Channel#: 0   Vial#: N.A. *
* Starting Peak Width:  10   Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED I"  *
*              Solvent Description: INJECTION VOLUME: 4 UL                   *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C           *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT  *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                  Dilution factor:        1.00
```

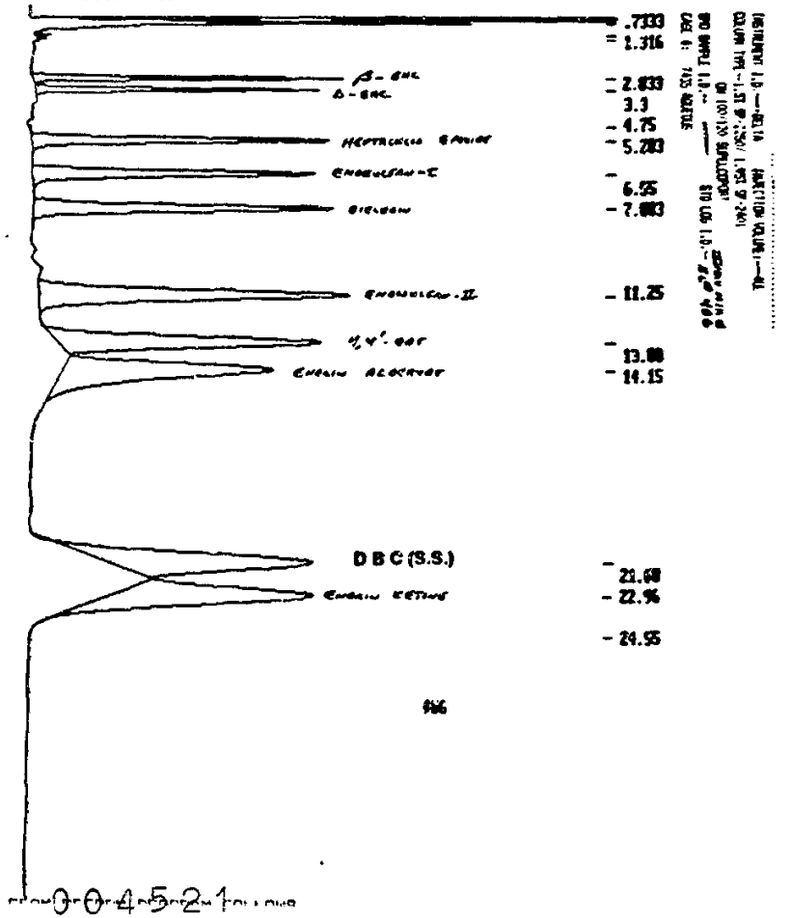
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC%	AREA	AREA/ HEIGHT	AREA/ HEIGHT BL	REF PEAK	ng/ml	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	89740	23037	3.6	I			0.0000E+00
2	0.68		0.0000	0.0000%	10933	2379	4.6	I			0.0000E+00
3	1.18		0.0000	0.0000%	299	77	3.9	I			0.0000E+00
4	1.32		0.0000	0.0000%	859	150	5.6	I			0.0000E+00
5	1.65		0.0000	0.0000%	428	48	8.9	I			0.0000E+00
6	2.08	alpha-BHC	0.0251	0.0000%	12349	2073	6.0	I	0 0.024	-.7846	2.0294E-06
8	2.57	gamma-BHC	0.0358	0.0000%	14080	2212	6.7	I	0 0.034	-.6451	2.0457E-06
9	3.12	HEPTACHLOR	0.0560	0.0000%	23756	2720	8.7	I	0 0.052	-.5319	2.3583E-06
10	3.73	ALDRIN	0.0634	0.0000%	26111	2633	9.9	I	0 0.060	-.4440	2.4283E-06
13	5.87	gamma-CHLORDANE	0.0678	0.0000%	24112	1745	13.8	I	0 0.060	-.3849	2.8107E-06
14	6.35	alpha-CHLORDANE	0.0654	0.0000%	23079	1541	15.0	I	0 0.060	-.3221	2.8325E-06
15	7.42	4,4'-DDE	0.1039	0.0000%	38896	2110	18.4	I	0 0.096	-.2478	2.6718E-06
16	9.48	ENDRIN	256.0214	0.0000%	69824	3019	23.1	I	0 0.176	-.1980	3.6667E-03
17	10.92	4,4'-DDD	0.1931	0.0000%	63729	2387	26.7	I	0 0.189	-.1339	3.0294E-06
18	12.38		0.0000	0.0000%	791	35	22.5	I			0.0000E+00
20	16.62	ENDOSULFAN SULFATE	0.2532	0.0000%	83235	1972	42.1	I	0 0.24	-.0772	3.0409E-06
21	19.37		0.0000	0.0000%	200	7	29.3	I			0.0000E+00
22	21.67	DIBUTYLCHLORENDATE	0.7616	0.0000%	139476	2552	54.7	I	0 0.48	-.7833	5.4527E-06
23	23.90	METHOXYCHLOR	0.5301	0.0000%	91406	1608	56.8	I	0 0.48	-.6725	5.8178E-06
26	29.80		0.0000	0.0000%	181	11	16.2	I			0.0000E+00
30	51.75		0.0000	0.0000%	120	6	21.3	I			0.0000E+00

TOTAL AMOUNT = 0.0004

00104

004520

INDIV MIX Processed: 06-25-1987 15:56:11, segment 2 , cycle 0
Raw Data Stored in Files: D:E06239.HDR D:E06238.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



00105

004521

004521

OUTPUT FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Cax #7435

```
*****************************************************************************
* Sample Name: INDIV MIX B  SL#406                 Operator Initials: SG    *
* Date:  06-25-1987 15:56:47 Method:IFB-PI-1       DATA FILE: D:E06238.PTS  *
* Interface: I              Cycle#:  8             Channel#: 0   Vial#: N.A.*
* Starting Peak Width:  10   Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1"*
*              Solvent Description: INJECTION VOLUME: 4 UL                  *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP               *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C          *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                  Dilution factor:        1.00
```

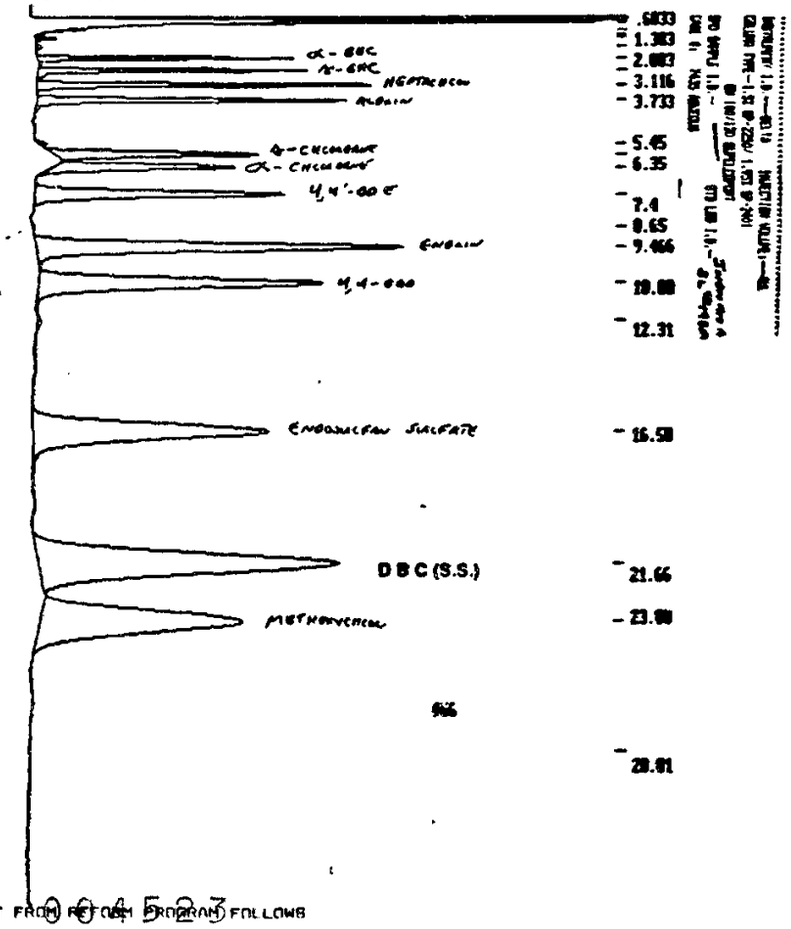
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONCN	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	%Δ cal.	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	195509	56690	3.5	1			0.0000E+00
2	0.70		0.0000	0.0000%	5192	1234	4.2	1			0.0000E+00
3	0.10		0.0000	0.0000%	520	126	4.1	1			0.0000E+00
4	1.32		0.0000	0.0000%	370	82	4.6	1			0.0000E+00
7	2.03	beta-BHC	0.0030	0.0000%	21330	2637	8.0	1	0.080	-1.162	3.9110E-06
8	3.30	delta-BHC	0.0021	0.0000%	20263	2410	8.4	1	0.050	-.5923	2.5733E-06
9	0.73		0.0000	0.0000%	101	14	7.0	1			0.0000E+00
10	5.20	HEPTACHLOR EPOXIDE	0.0779	0.0000%	34196	2526	13.5	1	0.076	-.6289	2.2790E-06
11	6.53	ENDOSULFAN-I	0.0996	0.0000%	39934	2401	16.6	1	0.096	-.7573	2.0922E-06
12	7.08	DIELDRIN	0.1248	0.0000%	49416	2540	19.5	1	0.120	-.6302	2.5230E-06
14	11.25	ENDOSULFAN-II	0.1654	0.0000%	74519	2633	28.3	1	0.180	-.5891	2.4876E-06
16	13.08	4,4'-DDT	0.2799	0.0000%	63076	2233	29.1	1	0.240	-.6329	4.3900E-06
19	14.15	ENDRIN ALDEHYDE	0.2977	0.0000%	74315	1783	41.7	1	0.295	-.7017	4.0052E-06
23	21.60	DIBUTYLCHLORENDATE	0.4109	0.0000%	75354	1736	43.4	1	0.40	-.6870	5.4527E-06
24	22.97	ENDRIN KETONE	0.3120	0.0000%	76230	1699	44.9	1	0.301	-.7209	4.1027E-06
25	24.55	METHOXYCHLOR	0.0046	0.0000%	192	7	13.9	1	0	2.008	6.0170E-06

TOTAL AMOUNT = 0.0000

00106

004522

INDIV MIX Processed: 06-26-1987 00:34:27, segment 4 , cycle 21
Raw Data Stored in Files: D:E062321.HDR D:E062321.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM RETCON PROGRAM FOLLOWS

004523

00107

004523

OUTPUT FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAN #7431

```
*****************************************************************************
* Sample Name: INDIV MIX A SL# 198D1                  Operator Initials: SB  *
* Date:  06-26-1987 00:35:06 Method:IFB-P1-1          DATA FILE: D:E062321.PTB *
* Interface: 1                Cycle#:  21             Channel#: 0   Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                                 *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED I"  *
*            Solvent Description: INJECTION VOLUME: 4 UL                      *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                 *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C            *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT   *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                    Dilution factor:        1.00
```

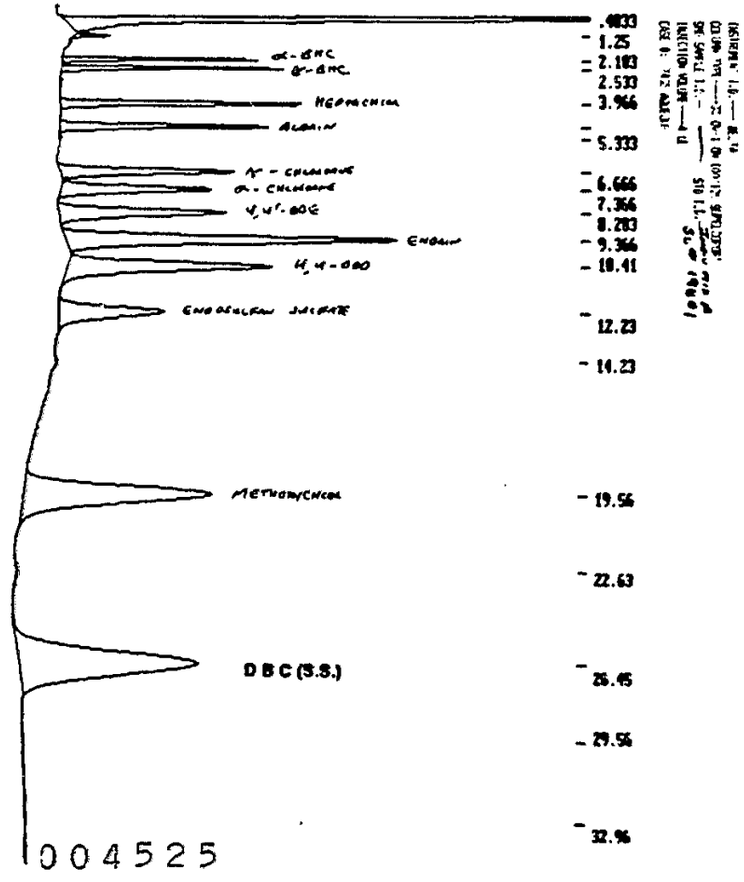
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	MS on Column	% DELTA RET TIME	CONC/NRGD
2	0.58	[illegible]	0.0000	0.0000%	88053	24302	3.6	1			0.0000E+00
3	0.60	[illegible]	0.0000	0.0000%	9536	2223	4.3	1			0.0000E+00
4	1.00		0.0000	0.0000%	456	127	3.6	1			0.0000E+00
5	1.10		0.0000	0.0000%	140	41	3.4	1			0.0000E+00
6	1.30		0.0000	0.0000%	860	165	5.2	1			0.0000E+00
7	1.48		0.0000	0.0000%	493	60	8.3	1			0.0000E+00
8	2.08	alpha-BHC	0.0230	0.0000%	12267	2139	5.7	1	0 0.024	0	1.9402E-06
10	2.57	gamma-BHC	0.0360	0.0000%	15742	2247	7.0	1	0 0.034	0	2.2838E-06
11	3.12	HEPTACHLOR	0.0319	0.0000%	23711	2796	8.5	1	0 0.052	0	2.1889E-06
12	3.73	ALDRIN	0.0302	0.0000%	23521	2387	9.8	1	0 0.060	0	2.2978E-06
14	5.43		0.0000	0.0000%	392	30	7.0	1			0.0000E+00
15	5.85	gamma-CHLORDANE	0.0376	0.0000%	23149	1713	13.5	1	0 0.060	-.2800	2.4800E-06
16	6.33	alpha-CHLORDANE	0.0383	0.0000%	22461	1521	14.8	1	0 0.060	0	2.5770E-06
17	7.40	4,4'-DDE	0.0944	0.0000%	38234	2091	18.3	1	0 0.096	-.2247	2.4881E-06
18	8.63		0.0000	0.0000%	200	14	14.1	1			0.0000E+00
19	9.47	ENDRIN	335.5125	0.0000%	71709	3977	22.3	1	0 0.176	-.1006	4.9537E-03
20	10.80	4,4'-DDD	0.1011	0.0000%	62710	2347	26.5	1	0 0.164	-.3083	2.0872E-06
22	12.32		0.0000	0.0000%	513	24	21.4	1			0.0000E+00
23	16.50	ENDOSULFAN SULFATE	0.2417	0.0000%	83634	1966	42.5	1	0 0.24	-.3006	2.0097E-06
26	21.67	DIBUTYLCHLORENDATE	0.7300	0.0000%	137521	2310	59.6	1	0 0.40	-.3031	5.3003E-06
27	23.00	METHOXYCHLOR	0.5052	0.0000%	96190	1677	85.7	1	0 0.48	-4.973	5.2513E-06
29	28.02		0.0000	0.0000%	116	16	12.0	1			0.0000E+00

TOTAL AMOUNT = 0.0000

00108

004524

BATCH RE-PROCESS FILE # 4
DATA FILE: D:B06294.HDR
METHOD FILE: D:IFB-P2-1.MET
AREAS, TIMES, AND HEIGHTS STORED IN: D:B06294.ATB
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



004525

00109

OUTPUT FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAK 6 7435

```
*****************************************************************************
* Sample Name: INDIV MIX A  SL#:98D1                Operator Initials: SG   *
* Date:  06-29-1987 12:59:47 Method:D:IFB-P2-1      DATA FILE: D:B06294.PTS *
* Interface: 1                 Cycle#:  4           Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10     Threshold:  .01      "PACKED 2"              *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                Dilution factor:        1.00
```

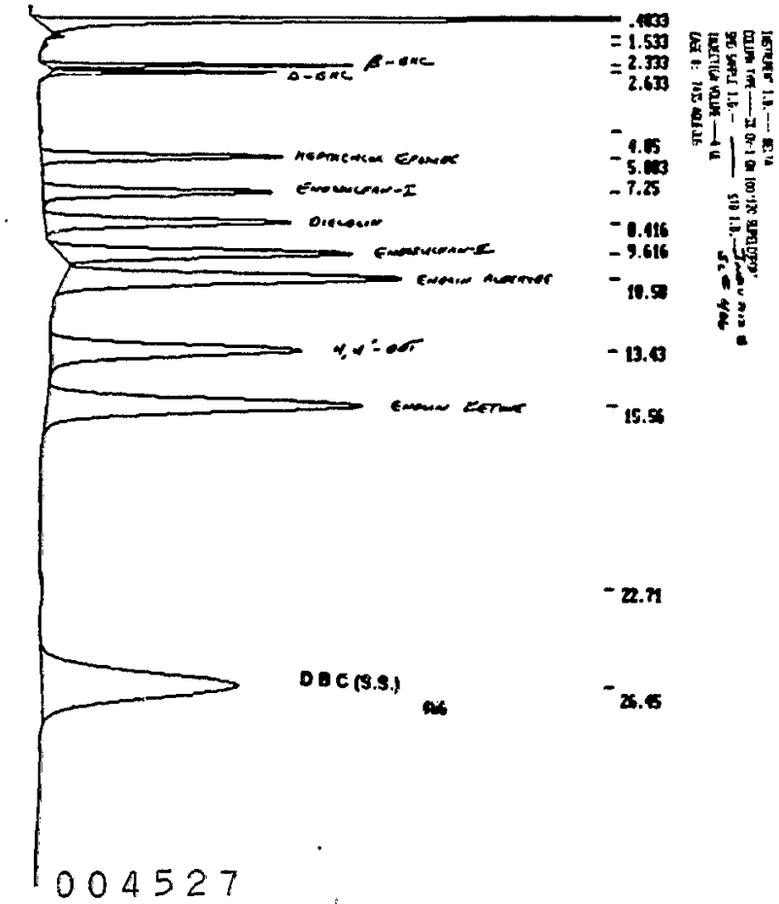
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RT.	REF PEAK	ng/ml cal.	% DELTA RET TIME	CONC/AREA
2	0.48		0.0000	0.0000%	132104	25024	5.1	1			0.0000E+00
3	1.25		0.0000	0.0000%	1532	301	5.1	1			0.0000E+00
5	2.18	alpha-BHC	0.0240	0.0000%	9615	1693	5.7	1	0 0.024	0	2.4961E-06
6	2.53	gamma-BHC	0.0000	0.0000%	17297	1922	6.6	1	0 0.034	0	6.5573E-06
9	3.97	HEPTACHLOR	86.6547	0.0000%	20724	2093	9.7	1	0 0.052	-8.396	7.2464E-04
10	4.87	ALDRIN	5.1174	0.0000%	20168	1814	11.4	1	0 0.060	-4.043	2.9641E-04
11	5.33	-	0.0000	0.0000%	128	17	7.5	1			0.0000E+00
12	6.67	gamma-CHLORDANE	0.0600	0.0000%	23971	1513	15.8	1	0 0.060	0	2.5034E-06
13	7.37	alpha-CHLORDANE	0.0900	0.0000%	22707	1309	17.4	1	0 0.060	-4.523	3.9983E-06
14	8.28	4,4'-DDE	0.0674	0.0000%	28760	1447	19.9	1	0 0.096	4.026	2.3428E-06
15	9.37	ENDRIN	0.1760	0.0000%	62332	2882	21.6	1	0 0.176	0	2.8236E-06
16	10.42	4,4'-DDD	0.1012	0.0000%	65426	2770	23.7	1	0 0.184	-3.199	2.2283E-06
17	12.23	ENDOSULFAN SULFATE	0.2930	0.0000%	27394	914	30.0	1	0 0.24	0	1.0696E-05
18	14.23		0.0000	0.0000%	132	9	17.2	1			0.0000E+00
19	19.57	METHOXYCHLOR	0.5010	0.0000%	78760	1639	48.1	1	0 0.48	0	3.0217E-06
20	22.63		0.0000	0.0000%	142	7	21.4	1			0.0000E+00
21	26.05	BIBUTYLCHLORENDATE	3.0453	0.0000%	104307	1537	67.6	1	0 0.40	.1093	4.2609E-06
22	29.37		0.0000	0.0000%	232	11	21.3	1			0.0000E+00
23	32.97		0.0000	0.0000%	167	5	36.1	1			0.0000E+00

TOTAL AMOUNT = 0.0000

00110

004526

BATCH RE-PROCESS FILE # 5
DATA FILE: D:B06295.HDR
METHOD FILE: D:IFR-P2-1.MET
AREAS, TIMES, AND HEIGHTS STORED IN: D:B06295.ATB
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



00111

004527

OUTPUT FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAK #7515

```
*****************************************************************
* Sample Name: INDIV MIX B  SL#406                              *
* Date:  06-29-1987 13:37:25  Method:D:IFB-P2-1                 *
* Interface: 1                Cycle#:  5                        *
* Starting Peak Width:  10    Threshold:  .01                   *
*****************************************************************
```

Operator Initials: SG
DATA FILE: D:B06295.PTS
Channel#: 0 Vial#: N.A.
PACKED 2'

Area reject: 100 Dilution factor: 1.00
Amount injected: 1.00

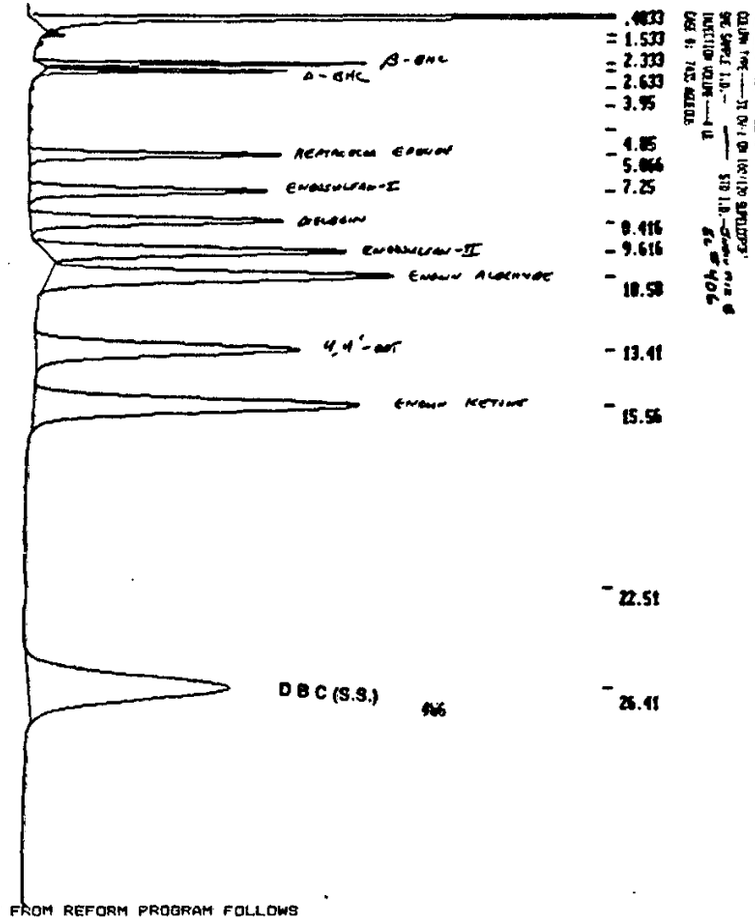
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION IN NG/ML	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RATIO	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.48		0.0000	0.0000%	222613	57938	3.9	1		0.0000E+00
2	1.23		0.0000	0.0000%	604	107	5.6	1		0.0000E+00
3	1.53		0.0000	0.0000%	333	28	12.0	1		0.0000E+00
4	2.33	beta-BHC	0.0340	0.0000%	16800	2587	6.5	1	0.050 0	2.0143E-06
5	2.63	delta-BHC	0.0520	0.0000%	12418	1889	6.6	1	0.050 0	4.1873E-06
7	4.05	HEPTACHLOR	0.0600	0.0000%	264	22	11.2	1	-.4186	2.4441E-04
8	5.88	HEPTACHLOR EPOXIDE	0.0760	0.0000%	29116	2034	14.3	1	0.076 0	2.6102E-06
10	7.25	ENDOSULFAN-I	0.0600	0.0000%	33681	1920	17.5	1	0.096 0	1.7814E-06
11	8.42	DIELDRIN	0.0009	0.0000%	46990	2460	19.0	1	0.120 -.0395	2.0000E-08
12	9.62	ENDOSULFAN-II	0.1840	0.0000%	56463	2469	22.7	1	0.150 0	3.2820E-06
13	10.58	ENDRIN ALDEHYDE	0.0024	0.0000%	86770	2840	29.4	1	0.293 3.130	2.9467E-08
14	13.43	4,4'-DDT	0.2400	0.0000%	67786	2116	32.0	1	0.24 0	3.5400E-06
15	15.57	ENDRIN KETONE	0.4000	0.0000%	99809	2657	37.6	1	0.301 0	4.0077E-06
16	22.72		0.0000	0.0000%	260	3	48.6	1		0.0000E+00
17	26.45	DIBUTYLCHLORENDATE	0.4900	0.0000%	112440	1650	67.8	1	0.40 .1893	4.2609E-06

TOTAL AMOUNT = 0.0000

00112

004528

INDIV MIX Processed: 06-29-1987 17:46:57, segment 10 , cycle 10
Raw Data Stored in Files: D:B062910.HDR D:B062910.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

004529

00113

****** EXTERNAL STANDARD TABLE ******

Case #7485

```
*****************************************************************************
* Sample Name: INDIV MIX B  SL#406                Operator Initials: SG     *
* Date:  06-29-1987 17:47:59 Method:IFB-P2-1      DATA FILE: D:B062910.PTS  *
* Interface: I                Cycle#:  10         Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                               *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 2" *
*              Solvent Description: INJECTION VOLUME: 4 UL                   *
*   Operating Conditions: 205C -- ISOTHERMAL WITH 35 MIN STOP                *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C           *
*     Misc. Information: 3% OV-1 ON 100/120 SUPELCOPORT                      *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                Dilution factor:        1.00
```

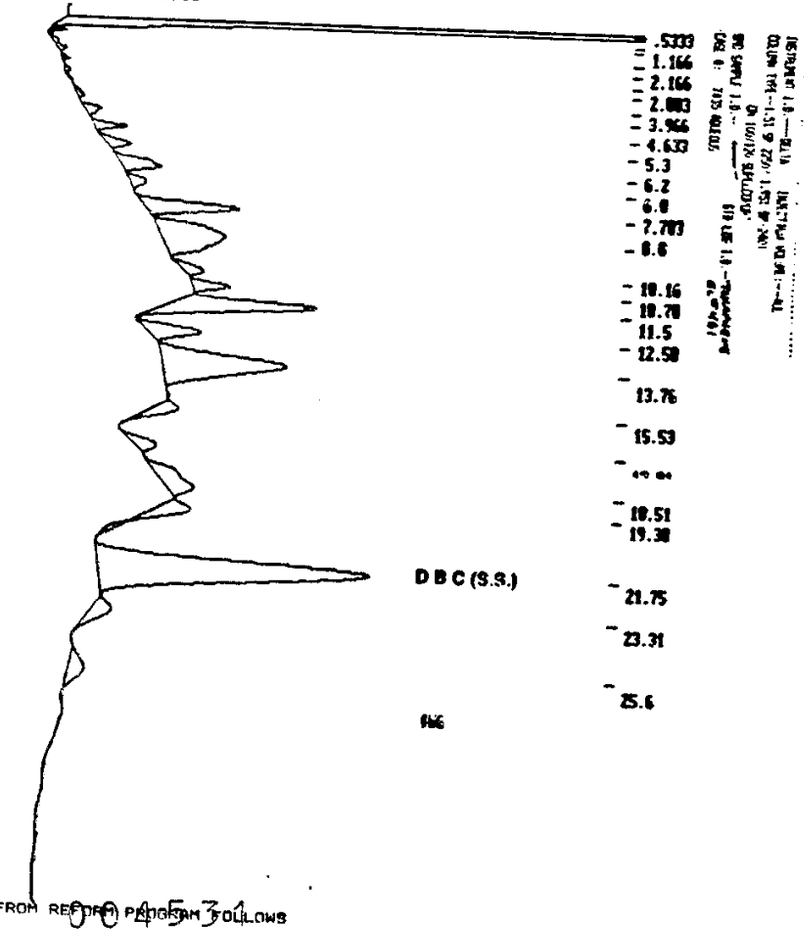
PEAK NUM	REI TIME	PEAK NAME	CONCENTRATION is NG/UL	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	mg/L CAL.	% DELTA RET TIME	CONC/AREA
1	0.48		0.0000	0.0000%	224153	50356	3.6 1				0.0000E+00
2	1.25		0.0000	0.0000%	964	101	9.3 1				0.0000E+00
3	1.53		0.0000	0.0000%	458	37	12.4 1				0.0000E+00
4	2.33	beta-BHC	0.0360	0.0000%	17853	2759	6.5 1	0	0.086	0	2.0143E-06
5	2.63	delta-BHC	0.0579	0.0000%	13878	2042	6.7 1	0	0.050	0	4.1875E-06
6	3.25		0.0000	0.0000%	198	26	7.2 1				0.0000E+00
7	3.95	HEPTACHLOR	0.0752	0.0000%	101	12	8.4 1	0		-.5037	7.2464E-04
8	4.85	ALDRIN	0.0320	0.0000%	130	16	8.0 1	0		-.4106	2.4641E-04
9	5.87	HEPTACHLOR EPOXIDE	0.0796	0.0000%	30489	2126	14.3 1	0	0.0420	0.0232	2.6102E-06
10	7.25	ENDOSULFAN-I	0.0426	0.0000%	35150	2007	17.5 1	0	0.096	0	1.7818E-06
11	8.42	DIELDRIN	0.0009	0.0000%	42441	2140	19.8 1	0	0.120	-.0395	2.0000E-08
12	9.62	ENDOSULFAN-II	0.1906	0.0000%	50072	2251	22.0 1	0	0.480	0	3.7824E-06
13	10.58	ENDRIN ALDEHYDE	0.0024	0.0000%	82774	2914	28.4 1	0	0.293	3.150	2.9467E-08
14	13.42	4,4'-DDT	0.2327	0.0000%	71371	2227	32.0 1	0	0.24	-.1240	3.3406E-06
15	15.57	ENDRIN KETONE	0.4120	0.0000%	105812	2754	37.4 1	0	0.300	0	4.0077E-06
16	22.52		0.0000	0.0000%	110	5	22.1 1				0.0000E+00
17	26.42	DIBUTYLCHLORENDATE	0.4954	0.0000%	116059	1707	68.0 1	0	0.40	6.313	4.2689E-06

TOTAL AMOUNT = 0.0000

00114

004530

TOXAPHENE Processed: 06-25-1987 17:00:54, segment 3 , cycle 9
Raw Data Stored in Files: D:E06239.HDR D:E06239.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

00115

004531

004531

OUTPUT FROM RETURN PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Case #7435

```
*****************************************************************************
* Sample Name: TOXAPHENE 3.2 ng on col SL0461     Operator Initials: SG     *
* Date:  06-25-1987 17:01:30 Method:IFB-P1-1      DATA FILE: D:E06239.PTS   *
* Interface: 1                Cycle#:  9          Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                               *
*****************************************************************************
*  Instrument Type. HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1" *
*            Solvent Description: INJECTION VOLUME: 4 UL                    *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP               *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C          *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT *
*****************************************************************************
```

Area reject: 100

Amount injected: 1.00 Dilution factor: 1.00

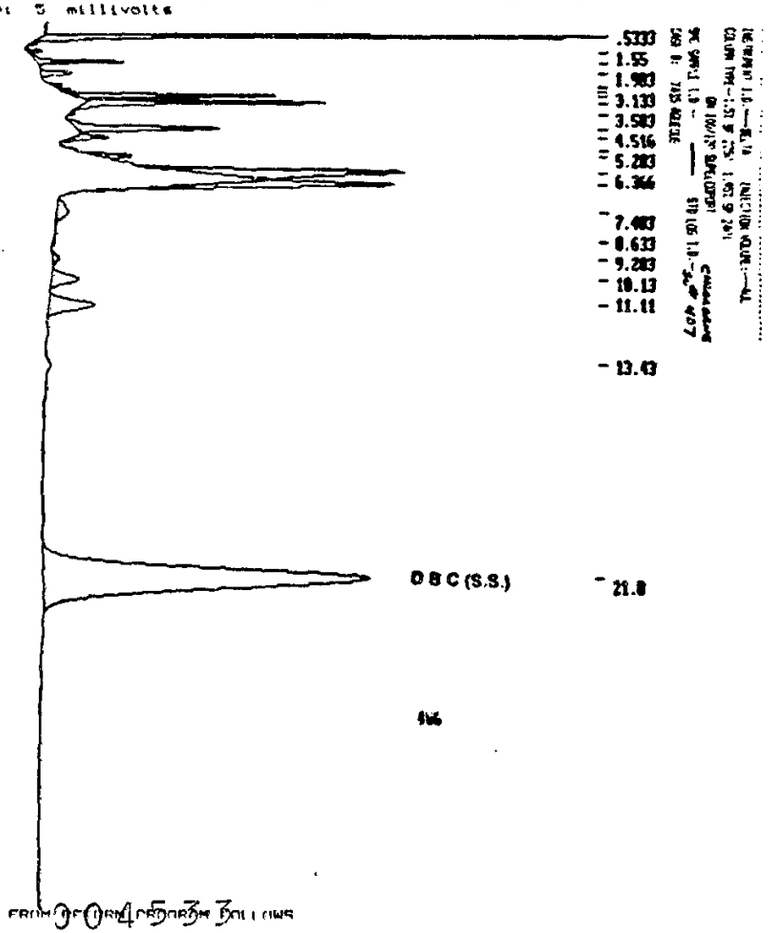
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/4UL	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	203430	40720	5.0 1			0.0000E+00
2	1.00		0.0000	0.0000%	755	148	5.1 1			0.0000E+00
3	1.17		0.0000	0.0000%	168	35	4.2 1			0.0000E+00
4	1.67		0.0000	0.0000%	1416	73	19.4 1			0.0000E+00
5	2.10	alpha-BHC	0.0011	0.0000%	545	65	8.3 1	0	.0	1.9403E-06
6	2.53	gamma-BHC	0.0012	0.0000%	533	51	10.5 1	0	-1.290	2.2830E-06
7	2.88	beta-BHC	0.0006	0.0000%	156	23	6.7 1	0	1.764	3.7603E-06
8	3.50		0.0000	0.0000%	1041	56	18.5 1			0.0000E+00
9	3.97		0.0000	0.0000%	2287	134	17.1 1			0.0000E+00
10	4.63		0.0000	0.0000%	3411	270	13.1 1			0.0000E+00
11	5.30	HEPTACHLOR EPOXIDE	0.0084	0.0000%	3771	199	18.9 1	0	.3194	2.2225E-06
12	6.29		0.0000	0.0000%	8975	338	26.5 1			0.0000E+00
13	6.80		0.0000	0.0000%	3109	133	23.0 1			0.0000E+00
14	7.70	DIELDRIN	0.0461	0.0000%	18992	780	24.3 1	0	-1.268	2.4280E-06
15	8.89		0.0000	0.0000%	30195	552	54.7 1			0.0000E+00
16	10.17		0.0000	0.0000%	3970	165	24.0 1			0.0000E+00
17	10.78	4,4'-DDD	0.0166	0.0000%	5753	313	18.4 1	0	-1.221	2.8872E-06
18	11.50		0.0000	0.0000%	33968	1234	27.5 1			0.0000E+00
19	12.50		0.0000	0.0000%	21852	644	26.7 1			0.0000E+00
20	13.77		0.0000	0.0000%	52962	1064	49.8 1			0.0000E+00
22	15.53		0.0000	0.0000%	6461	216	29.9 1			0.0000E+00
23	17.02		0.0000	0.0000%	5806	184	31.6 1			0.0000E+00
24	18.52		0.0000	0.0000%	13818	238	58.1 1			0.0000E+00
25	19.38		0.0000	0.0000%	8065	290	27.8 1			0.0000E+00
26	21.75	DIBUTYLCHLORENDATE	0.6192	0.0000%	216633	2279	51.2 1	0	0	2.9082E-06
27	23.32	EMDRIN KETONE	0.0280	0.0000%	7102	154	45.5 1	0	1.523	3.9442E-06
28	25.60		0.0000	0.0000%	7489	130	57.6 1			0.0000E+00

TOTAL AMOUNT = 0.0000

00116

004532

CHLORDANE Processed: 06-25-1987 17:38:42, segment 4 , cycle 10
Raw Data Stored in Files: D:E062310.HDR D:E062310.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM PROGRAM FOLLOWS

00117

DIGITAL EQUIPMENT CORPORATION PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Case #7435

```
*****************************************************************************
* Sample Name: CHLORDANE 0.8 ng on col SL#407     Operator Initials: SG     *
* Date:  06-25-1987 17:39:18 Method:IFB-P1-1      DATA FILE: D:E062310.PTS  *
* Interfaces 1                Cycle#:  10         Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                               *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1" *
*              Solvent Description: INJECTION VOLUME: 4 UL                   *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C           *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT  *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                    Dilution factor:        1.00
```

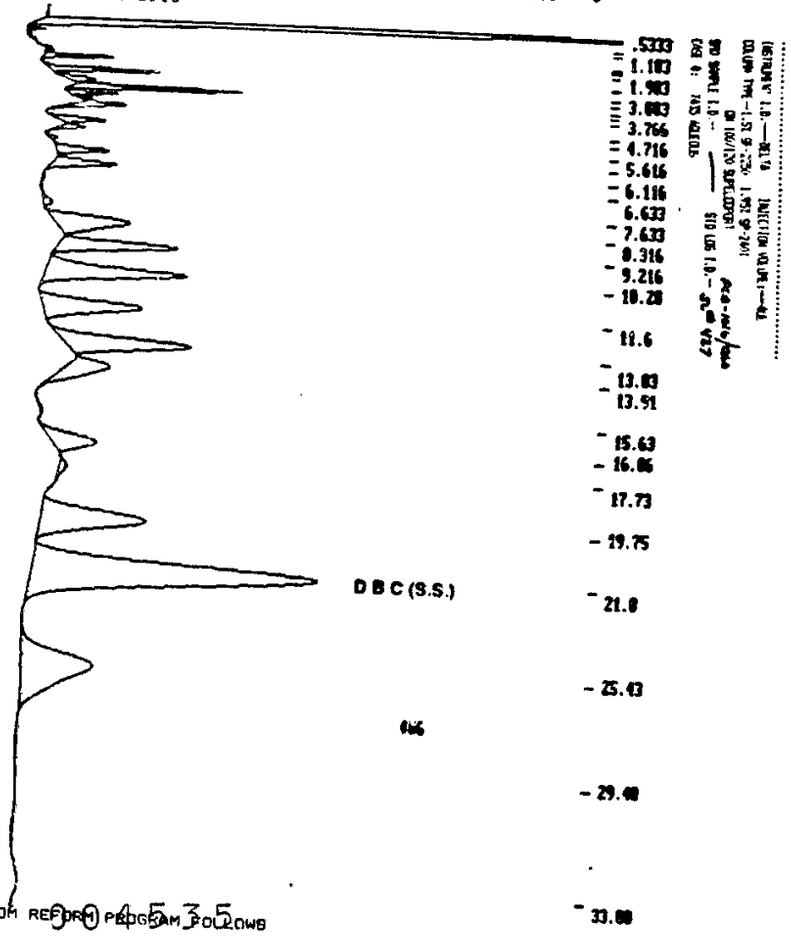
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/UL	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	9.53		0.0000	0.0000%	31752	6869	6.6	1			0.0000E+00
3	1.15		0.0000	0.0000%	744	122	6.1	1			0.0000E+00
4	1.55		0.0000	0.0000%	4363	741	5.9	1			0.0000E+00
5	1.98		0.0000	0.0000%	2950	269	9.5	1			0.0000E+00
6	2.40		0.0000	0.0000%	546	83	6.5	1			0.0000E+00
7	2.65		0.0000	0.0000%	413	88	4.7	1			0.0000E+00
8	2.87	beta-BHC	0.0472	0.0000%	12534	1708	7.3	1	0	1.076	3.7683E-06
9	3.13	HEPTACHLOR	0.0373	0.0000%	17046	2034	8.4	1	0	.3347	2.1889E-06
10	3.58		0.0000	0.0000%	223	44	5.1	1			0.0000E+00
11	4.17		0.0000	0.0000%	13368	1220	11.0	1			0.0000E+00
12	4.52		0.0000	0.0000%	3138	302	10.4	1			0.0000E+00
13	5.03		0.0000	0.0000%	541	50	11.3	1			0.0000E+00
14	5.28	HEPTACHLOR EPOXIDE	0.0059	0.0000%	2650	282	9.4	1	0	0	2.2223E-06
15	5.90	gamma-CHLORDANE	0.0613	0.0000%	24496	1710	14.4	1	0	.5681	2.4804E-06
16	6.37	alpha-CHLORDANE	0.0560	0.0000%	21539	1642	13.0	1	0	.2624	2.5976E-06
17	7.48	4,4'-DDE	0.0073	0.0000%	3054	97	31.3	1	0	.8988	2.4081E-06
18	8.63		0.0000	0.0000%	163	16	10.4	1			0.0000E+00
19	9.28		0.0000	0.0000%	1053	42	17.0	1			0.0000E+00
20	10.13		0.0000	0.0000%	5521	227	24.3	1			0.0000E+00
21	11.12	ENDOSULFAN-II	0.0256	0.0000%	10580	384	27.6	1	0	-1.183	2.4153E-06
23	13.43		0.0000	0.0000%	134	12	12.7	1			0.0000E+00
29	21.00	DIBUTYLCHLORENDATE	0.0378	0.0000%	157023	2800	56.4	1	0	.2290	5.3863E-06

TOTAL AMOUNT = 0.0000

00118

004534

PCB-1016/1 Processed: 06-25-1987 18:16:23, segment 5 , cycle 11
Raw Data Stored in Files: D:E062311.HDR D:E062311.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

00119

004535

004535

LATEST ENDS RETURN PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CASE NF7435

```
*****************************************************************************
* Sample Name: PCB-1016/1260 0.48/1.2 ng on col   Operator Initials: SG      *
* Date:  06-25-1987 18:17:00 Method: IFB-P1-1     DATA FILE: D:E062311.PTS   *
* Interface: 1                Cycle#: 12          Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10   Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1" *
*              Solvent Description: INJECTION VOLUME: 4 UL                  *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP               *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C          *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                    Dilution factor:        1.00
```

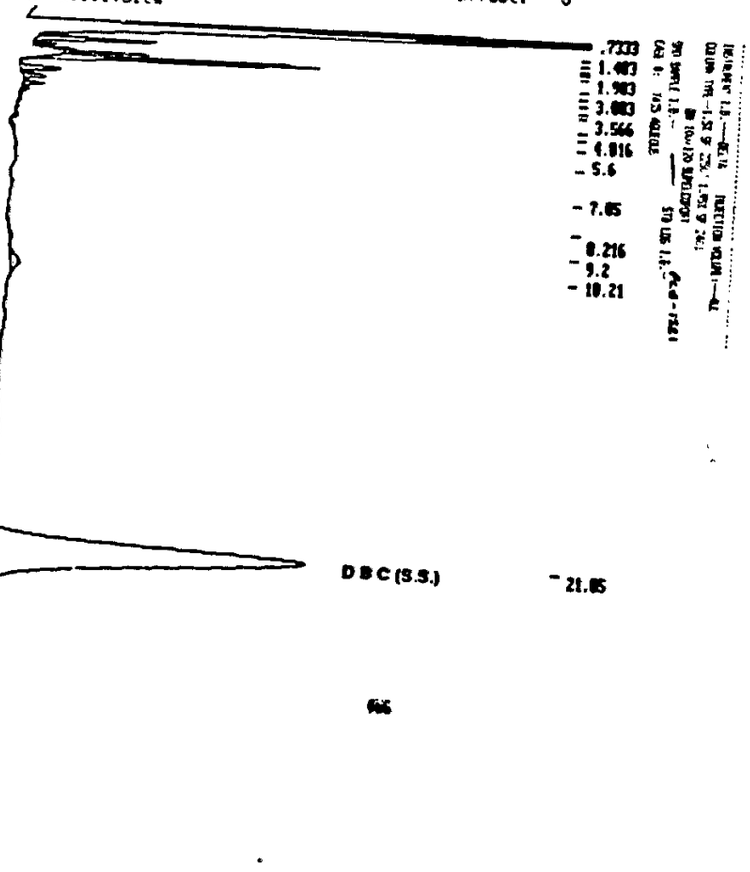
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/UL	NORMALIZED CONC%	AREA	AREA/ HEIGHT	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	181140	41261	4.4	1			0.0000E+00
2	0.98		0.0000	0.0000%	748	149	5.0	1			0.0000E+00
3	1.18		0.0000	0.0000%	146	33	4.5	1			0.0000E+00
4	1.67		0.0000	0.0000%	293	56	5.2	1			0.0000E+00
5	1.78		0.0000	0.0000%	205	57	3.6	1			0.0000E+00
6	1.98		0.0000	0.0000%	3621	570	6.3	1			0.0000E+00
7	2.45		0.0000	0.0000%	6730	925	7.3	1			0.0000E+00
8	2.83	beta-BHC	0.0080	0.0000%	2154	209	10.2	1	0	0	3.7483E-06
9	3.08	HEPTACHLOR	0.0230	0.0000%	10528	1424	7.4	1	0	-1.069	2.1889E-06
10	3.35	delta-BHC	0.0075	0.0000%	2955	416	7.1	1	0	1.515	2.4476E-06
11	3.57		0.0000	0.0000%	472	94	5.0	1			0.0000E+00
12	3.77	ALDRIN	0.0110	0.0000%	4787	403	11.9	1	0	.0920	2.2979E-06
13	4.42		0.0000	0.0000%	4042	390	10.4	1			0.0000E+00
14	4.70		0.0000	0.0000%	2099	203	10.3	1			0.0000E+00
15	5.18	HEPTACHLOR EPOXIDE	0.0013	0.0000%	366	60	9.5	1	0	-1.092	2.2229E-06
16	5.62		0.0000	0.0000%	5530	433	12.7	1			0.0000E+00
17	6.12		0.0000	0.0000%	7730	521	14.6	1			0.0000E+00
18	6.63	ENDOSULFAN-I	0.0006	0.0000%	236	17	13.6	1	0	1.272	2.4072E-06
19	7.63		0.0000	0.0000%	1201	72	16.6	1			0.0000E+00
20	8.32		0.0000	0.0000%	18695	639	29.3	1			0.0000E+00
21	9.22		0.0000	0.0000%	20564	996	20.6	1			0.0000E+00
22	10.28		0.0000	0.0000%	32336	1180	27.4	1			0.0000E+00
23	11.60		0.0000	0.0000%	25330	836	30.6	1			0.0000E+00
24	13.03	4,4'-DDT	0.1109	0.0000%	32246	1060	30.4	1	0	-.3821	3.6051E-06
25	13.92	ENDRIN ALDEHYDE	0.9562	0.0000%	10207	337	30.9	1	0	-1.640	2.9427E-06
27	15.63		0.0000	0.0000%	413	25	16.0	1			0.0000E+00
28	16.07	ENDOSULFAN SULFATE	0.0376	0.0000%	13002	372	35.0	1	0	1.304	2.0097E-06
29	17.73		0.0000	0.0000%	1773	64	27.8	1			0.0000E+00
30	19.73		0.0000	0.0000%	39975	883	45.3	1			0.0000E+00
31	21.80	DIBUTYLCHLORENDATE	0.6967	0.0000%	131257	2446	54.6	1	0	.2290	5.3085E-06
32	25.43		0.0000	0.0000%	40572	598	61.2	1			0.0000E+00
34	29.48		0.0000	0.0000%	109	9	11.5	1			0.0000E+00
36	33.88		0.0000	0.0000%	147	6	26.3	1			0.0000E+00

TOTAL AMOUNT = 0.0000

00120

004536

PCB-1221 Processed: 06-25-1987 18:54:46, segment 6 , cycle 12
Raw Data Stored in Files: D:E062312.HDR D:E062312.PTB
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORMATTED DATA FOLLOWS

00121

[illegible] IMPLEMENTATION FORMAT FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Cax #7415

```
* Sample Name: PCB-1221  1.4 ng on col AC        Operator Initials: SG        *
* Date:  06-23-1987 18:35:23 Method: IPB-P1-I     DATA FILE: D:E062312.PTB     *
* Interface: 1                Cycle#:  12         Channel#: 0    Vial#: N.A.   *
* Starting Peak Width:  10    Threshold:  .01                                  *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1"  *
*              Solvent Description: INJECTION VOLUME: 4 UL                    *
*  Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                  *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C            *
*     Misc. Information: 1.2% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT   *
*****************************************************************************
```

Area reject: 100

Amount Injected: 1.00 Dilution factor: 1.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC%	AREA	AREA/ RETENT	RETENT RL	I	REF PEAK	I DELTA RET TIME	CONC/AREA
1	0.33		0.0000	0.0000%	[illegible]	[illegible]	0.0	I			0.0000E+00
2	0.70		0.0000	0.0000%	[illegible]	[illegible]	3.9	I			0.0000E+00
3	1.25		0.0000	0.0000%	[illegible]	[illegible]	6.0	I			0.0000E+00
4	1.40		0.0000	0.0000%	[illegible]	[illegible]	2.9	I			0.0000E+00
5	1.67		0.0000	0.0000%	[illegible]	[illegible]	0.3	I			0.0000E+00
6	1.78		0.0000	0.0000%	[illegible]	[illegible]	0.3	I			0.0000E+00
7	1.98		0.0000	0.0000%	[illegible]	[illegible]	6.3	I			0.0000E+00
8	2.40		0.0000	0.0000%	[illegible]	[illegible]	10.5	I			0.0000E+00
9	2.78 beta-BHC		0.0037	0.0000%	[illegible]	[illegible]	7.0	I	0	-1.766	2.7603E-06
10	3.60 HEPTACHLOR		0.0027	0.0000%	[illegible]	[illegible]	7.1	I	0	-0.007	2.1089E-06
11	3.85 delta-BHC		0.0012	0.0000%	[illegible]	[illegible]	6.9	I	0	1.315	2.0676E-06
12	3.97		0.0000	0.0000%	[illegible]	[illegible]	5.0	I			0.0000E+00
13	4.10		0.0000	0.0000%	[illegible]	[illegible]	7.3	I			0.0000E+00
15	4.47		0.0000	0.0000%	[illegible]	[illegible]	10.3	I			0.0000E+00
16	4.87		0.0000	0.0000%	[illegible]	[illegible]	11.3	I			0.0000E+00
17	5.60		0.0000	0.0000%	[illegible]	[illegible]	9.3	I			0.0000E+00
19	7.45		0.0000	0.0000%	[illegible]	[illegible]	9.7	I			0.0000E+00
20	8.22		0.0000	0.0000%	[illegible]	[illegible]	10.0	I			0.0000E+00
21	9.30		0.0000	0.0000%	[illegible]	[illegible]	22.3	I			0.0000E+00
22	10.22		0.0000	0.0000%	[illegible]	[illegible]	39.7	I			0.0000E+00
23	21.85 MONTHLORDIPHENYL		0.0015	0.0000%	[illegible]	[illegible]	55.4	I	0	.007	2.2862E-06

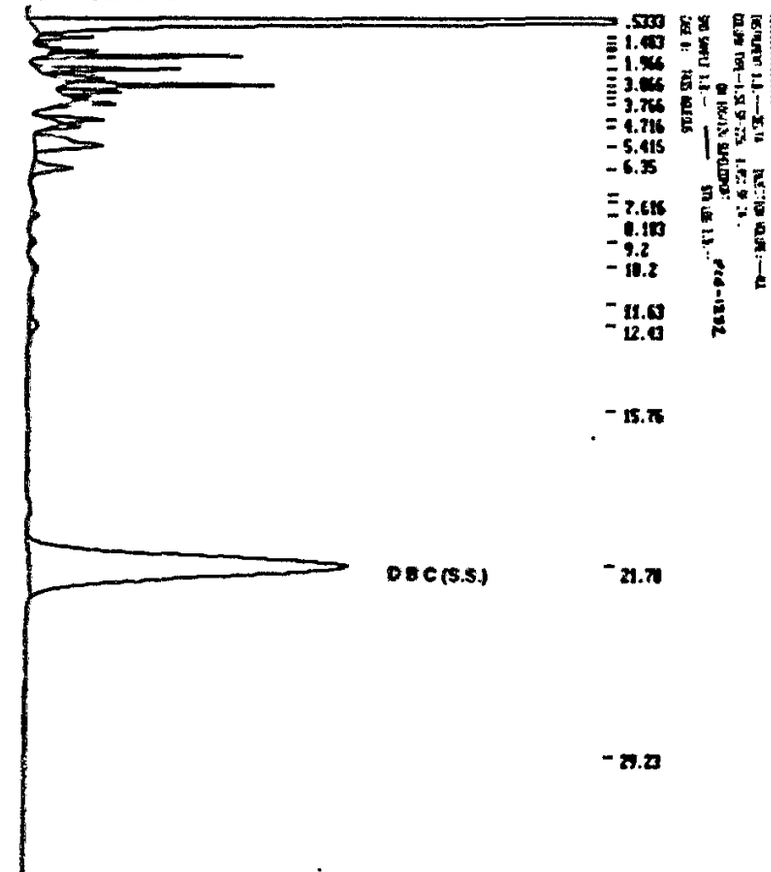
TOTAL AMOUNT = 0.0100

00122

004538

004538

PCB-1232 Processed: 06-25-1987 19:32:16, segment 7 , cycle 13
Raw Data Stored in Files: D:E062313.HDR D:E062313.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM [illegible] FOLLOWS

00133

[illegible] PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CASE # 7435

```
* Sample Name: PCB-1232  1.2 ng on col                Operator Initials: SG      *
* Date:  06-25-1987 19:32:55 Method: IFB-P1-1         DATA FILE: D:E062313.PTS   *
* Interface: 1                  Cycle#:  13           Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10   Threshold:  .01                                     *
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1"    *
*              Solvent Description: INJECTION VOLUME: 4 UL                       *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                    *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C               *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT      *
Area reject:        100
Amount injected:        1.00                Dilution factor:        1.00
```

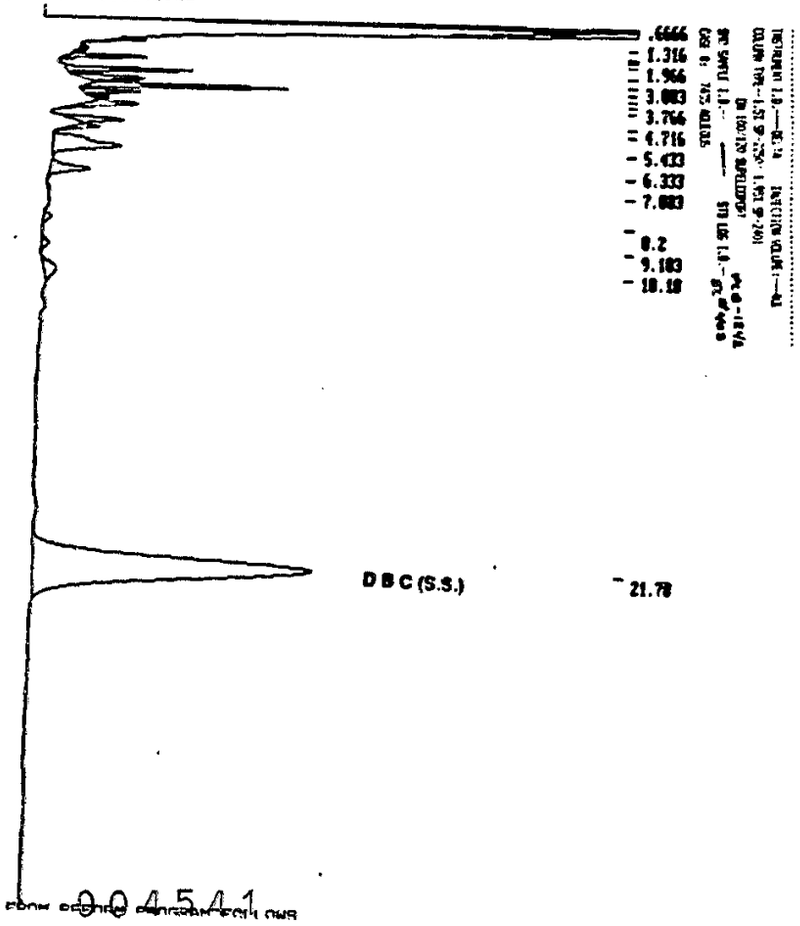
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC.	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	653347	153731	4.7 1			0.0000E+00
2	1.25		0.0000	0.0000%	2773	472	5.9 1			0.0000E+00
3	1.48		0.0000	0.0000%	463	114	4.1 1			0.0000E+00
4	1.65		0.0000	0.0000%	407	154	2.6 1			0.0000E+00
5	1.77		0.0000	0.0000%	1303	265	4.9 1			0.0000E+00
6	1.87		0.0000	0.0000%	14573	2256	6.4 1			0.0000E+00
7	2.43		0.0000	0.0000%	4729	1221	3.6 1			0.0000E+00
8	2.80	beta-BHC	0.0131	0.0000%	3403	382	9.1 1	0	-1.176	3.7658E-06
9	3.07	HEPTACHLOR	0.0285	0.0000%	13020	1722	7.6 1	0	-1.604	2.1889E-06
10	3.33	delta-BHC	0.0090	0.0000%	3663	516	7.1 1	0	1.010	2.4676E-06
11	3.57		0.0000	0.0000%	739	141	5.2 1			0.0000E+00
12	3.77	ALDRIN	0.0105	0.0000%	4577	409	11.2 1	0	.8978	2.2979E-06
13	4.42		0.0000	0.0000%	4381	439	10.0 1			0.0000E+00
14	4.78		0.0000	0.0000%	2299	219	10.5 1			0.0000E+00
15	5.42		0.0000	0.0000%	12932	571	22.7 1			0.0000E+00
16	6.35	alpha-CHLORDANE	0.0199	0.0000%	3754	331	17.4 1	0	0	2.5776E-06
17	7.23	4,4'-DDE	0.0025	0.0000%	175	9	21.7 1	0	-1.123	2.4601E-06
18	7.62		0.0000	0.0000%	726	19	11.9 1			0.0000E+00
19	8.18		0.0000	0.0000%	629	48	13.1 1			0.0000E+00
20	9.20		0.0000	0.0000%	771	41	18.7 1			0.0000E+00
21	10.20		0.0000	0.0000%	868	39	22.4 1			0.0000E+00
22	11.63		0.0000	0.0000%	572	23	25.2 1			0.0000E+00
23	12.43		0.0000	0.0000%	1630	66	24.5 1			0.0000E+00
24	15.77		0.0000	0.0000%	104	6	18.0 1			0.0000E+00
30	21.78	DIBUTYLCHLORENDATE	0.7763	0.0000%	120016	2198	55.5 1	0	.1532	5.3003E-06
39	29.23		0.0000	0.0000%	129	10	12.2 1			0.0000E+00

TOTAL AMOUNT = 0.0000

00124

004540

PCR-1242 Q Processed: 06-25-1987 20:10:12, segment 8 , cycle 14
Raw Data Stored in Files: D:E062314.HDR D:E062314.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



00125

004541

004541

[illegible] FROM [illegible] PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Calc #7435

```
*****************************************************************************
* Sample Name: PCB-1242 0.6 ng on col  SL8408     Operator Initials: SG      *
* Date:  06-25-1987 20:10:50 Method:IFB-PI-1      DATA FILE: D:E062314.PTS   *
* Interface: 1                Cycle#:  14         Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED I" *
*              Solvent Description: INJECTION VOLUME: 4 UL                   *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C           *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT  *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                Dilution factor:        1.00
```

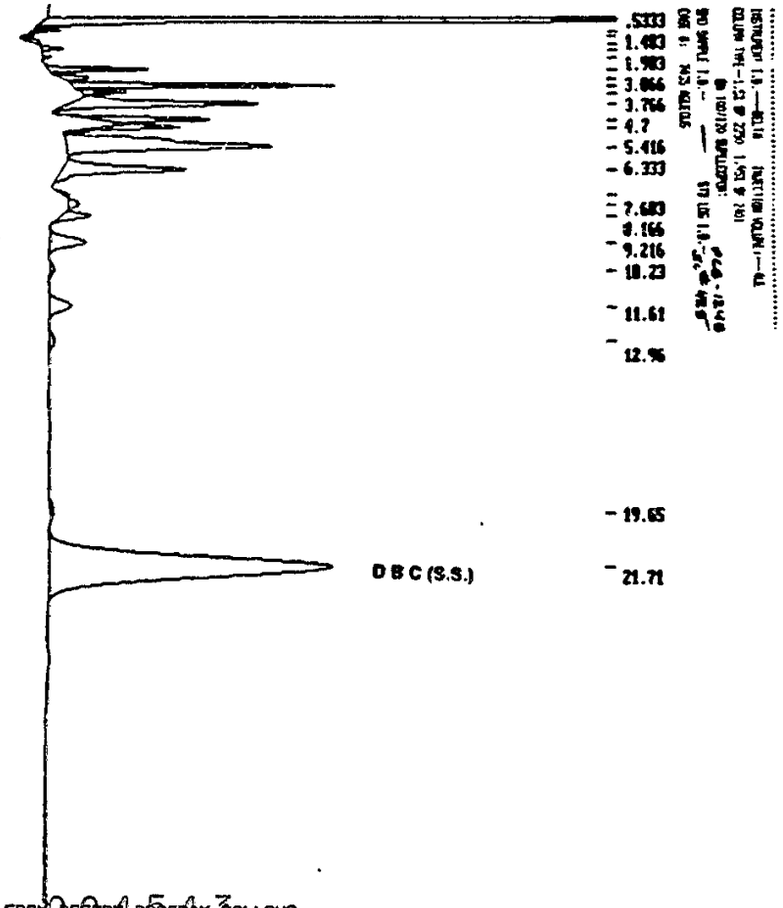
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/UL	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT	UL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	70829	25350	3.0	1			0.0000E+00
2	0.67		0.0000	0.0000%	57115	12624	4.5	1			0.0000E+00
3	1.32		0.0000	0.0000%	1780	267	6.8	1			0.0000E+00
5	1.67		0.0000	0.0000%	207	56	3.6	1			0.0000E+00
6	1.78		0.0000	0.0000%	190	55	3.6	1			0.0000E+00
7	1.97		0.0000	0.0000%	6974	630	6.3	1			0.0000E+00
9	2.43		0.0000	0.0000%	7310	1063	6.9	1			0.0000E+00
10	2.70	beta-BHC	0.0170	0.0000%	4519	525	8.6	1	0	-1.750	3.7663E-06
11	3.00	HEPTACHLOR	0.0273	0.0000%	12451	1660	7.5	1	0	-1.069	2.1889E-06
12	3.33	delta-BHC	0.0004	0.0000%	3400	483	7.0	1	0	1.010	2.4676E-06
13	3.57		0.0000	0.0000%	637	119	5.4	1			0.0000E+00
14	3.77	ALDRIN	0.0116	0.0000%	5070	425	11.9	1	0	.8920	2.2970E-06
15	4.42		0.0000	0.0000%	4530	431	10.5	1			0.0000E+00
16	4.70		0.0000	0.0000%	2156	215	10.0	1			0.0000E+00
17	5.43		0.0000	0.0000%	12731	561	22.7	1			0.0000E+00
18	6.33	alpha-CHLORDANE	0.0193	0.0000%	5495	329	16.7	1	0	-.2624	2.3974E-06
19	7.08		0.0000	0.0000%	201	15	13.1	1			0.0000E+00
21	8.20		0.0000	0.0000%	956	60	15.9	1			0.0000E+00
22	9.18		0.0000	0.0000%	1032	53	19.3	1			0.0000E+00
23	10.18		0.0000	0.0000%	3414	109	31.3	1			0.0000E+00
24	21.78	DIBUTYLCHLORENDATE	0.7812	0.0000%	132092	2354	56.1	1	0	.1532	5.9085E-06

TOTAL AMOUNT = 0.0000

00126

004542

PCB-1248 1 Processed: 06-25-1987 20:48:03, segment 9 , cycle 15
Raw Data Stored in Files: D:E062315.HDR D:E062315.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM BEFORE PROGRAM FOLLOWS

004543

00127

[illegible] FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CASE # 7455

```
*****************************************************************************
* Sample Name: PCB-1248 1.0 ng on col SL#425      Operator Initials: SG     *
* Date:  06-25-1987 20:48:41 Method:IFB-P1-1      DATA FILE: D:E062315.PTS  *
* Interface: I                Cycle#:  15         Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                               *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1" *
*              Solvent Description: INJECTION VOLUME: 4 UL                   *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                *
*              Detector 0: ECD T=300C        Detector 1: IP T=250C           *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT  *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                    Dilution factor:        1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION IN NG/ML	NORMALIZED CONC%	AREA	AREA/ RETENT HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	270705	64302	4.2	I		0.0000E+00
2	0.98		0.0000	0.0000%	1129	237	4.8	I		0.0000E+00
3	1.17		0.0000	0.0000%	269	57	4.7	I		0.0000E+00
4	1.48		0.0000	0.0000%	842	28	29.8	I		0.0000E+00
5	1.67		0.0000	0.0000%	1115	172	6.4	I		0.0000E+00
6	1.98		0.0000	0.0000%	461	73	6.4	I		0.0000E+00
7	2.45		0.0000	0.0000%	5957	836	7.1	I		0.0000E+00
8	2.77		0.0000	0.0000%	2233	243	9.2	I		0.0000E+00
9	3.07	HEPTACHLOR	0.0378	0.0000%	17271	2197	7.9	I		0.0000E+00
10	3.35	delta-BHC	0.0062	0.0000%	2494	364	6.9	I	0 -1.600	2.1809E-06
11	3.77	ALDRIN	0.0538	0.0000%	23432	1563	15.0	I	0 1.515	2.4676E-06
12	4.40		0.0000	0.0000%	9429	964	10.0	I	0 .0920	2.2979E-06
13	4.70		0.0000	0.0000%	6591	652	10.1	I		0.0000E+00
14	5.42		0.0000	0.0000%	40061	1713	23.4	I		0.0000E+00
15	6.33	alpha-CHLORDANE	0.0495	0.0000%	19069	1833	10.5	I		0.0000E+00
16	7.32	4,4'-DDE	0.0006	0.0000%	244	29	8.3	I	0 -.2829	2.5776E-06
17	7.68		0.0000	0.0000%	1496	91	16.4	I	0 -1.348	2.4401E-06
18	8.17		0.0000	0.0000%	3625	229	15.9	I		0.0000E+00
19	9.22		0.0000	0.0000%	7339	302	24.3	I		0.0000E+00
20	10.23		0.0000	0.0000%	811	37	21.7	I		0.0000E+00
21	11.62		0.0000	0.0000%	5000	184	27.7	I		0.0000E+00
22	12.97	4,4'-DDT	0.0048	0.0000%	1363	43	30.2	I		0.0000E+00
24	19.65		0.0000	0.0000%	800	27	33.1	I	0 -.0917	3.6801E-06
25	21.72	DIBUTYLCHLORENDATE	0.7167	0.0000%	135014	2371	56.9	I		0.0000E+00
									0 -.1332	5.3065E-06

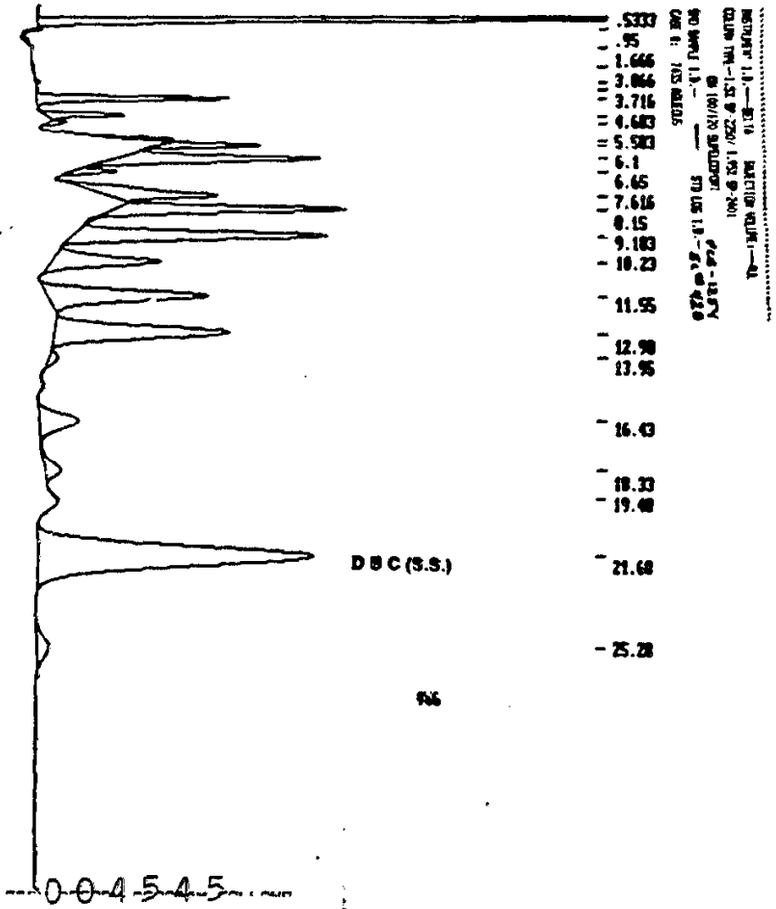
TOTAL AMOUNT = 0.0000

00128

004544

004544

PCB-1254 2 Processed: 06-25-1987 21:25:58, segment 10 , cycle 16
Raw Data Stored in Files: D:E062316.HDR D:E062316.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



CHROMATOGRAM AND REPORT PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Case #7435

```
*****************************************************************************
* Sample Name: PCB-1254 2.0 ng on col  SL0428     Operator Initials: SG      *
* Date:  06-25-1987 21:26:36 Method:IFB-P1-1      DATA FILE: D:E062316.PTS   *
* Interface: 1                Cycle#:  16         Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1" *
*              Solvent Description: INJECTION VOLUME: 4 UL                   *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP                *
*              Detector 0: ECD T=300C          Detector 1: IP T=250C         *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT  *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                    Dilution factor:        1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	0.53		0.0000	0.0000%	319515	84727	3.8 1			0.0000E+00
3	0.95		0.0000	0.0000%	380	60	6.4 1			0.0000E+00
5	1.67		0.0000	0.0000%	565	27	21.1 1			0.0000E+00
6	2.67		0.0000	0.0000%	157	17	9.4 1			0.0000E+00
7	3.07	HEPTACHLOR	0.0007	0.0000%	313	39	8.1 1	0	-1.604	2.1089E-06
8	3.37		0.0000	0.0000%	151	22	6.7 1			0.0000E+00
9	3.72	ALDRIN	0.0475	0.0000%	18517	1630	11.3 1	0	-.0468	2.2979E-06
10	4.30		0.0000	0.0000%	6761	657	10.3 1			0.0000E+00
11	4.66		0.0000	0.0000%	1523	167	9.1 1			0.0000E+00
12	5.37	HEPTACHLOR EPOXIDE	0.0035	0.0000%	1589	160	10.0 1	0	1.377	2.2225E-06
13	5.90		0.0000	0.0000%	8995	846	10.5 1			0.0000E+00
14	6.10		0.0000	0.0000%	31563	1710	18.4 1			0.0000E+00
15	6.65	ENDOSULFAN-I	0.0110	0.0000%	4591	368	12.5 1	0	1.526	2.4078E-06
16	7.62		0.0000	0.0000%	23061	936	24.6 1			0.0000E+00
17	8.15		0.0000	0.0000%	34041	1951	17.5 1			0.0000E+00
18	9.10		0.0000	0.0000%	48996	2159	22.7 1			0.0000E+00
19	10.23		0.0000	0.0000%	24965	931	26.8 1			0.0000E+00
20	11.35		0.0000	0.0000%	37839	1367	27.7 1			0.0000E+00
21	12.98	4,6'-DDT	0.1779	0.0000%	48241	1489	32.4 1	0	-.7543	3.6881E-06
22	13.93	ENDRIN ALDEHYDE	0.0075	0.0000%	1903	75	25.5 1	0	-1.413	3.9427E-06
24	16.43	ENDOSULFAN SULFATE	0.0395	0.0000%	13425	329	41.5 1	0	-1.103	2.8897E-06
25	18.33		0.0000	0.0000%	5298	136	38.3 1			0.0000E+00
26	19.48		0.0000	0.0000%	279	15	17.7 1			0.0000E+00
27	21.68	DIBUTYLCHLORENDATE	0.6921	0.0000%	150383	2348	55.5 1	0	-.3065	5.3083E-06
28	25.28		0.0000	0.0000%	3577	98	56.7 1			0.0000E+00

TOTAL AMOUNT = 0.0000

C0130

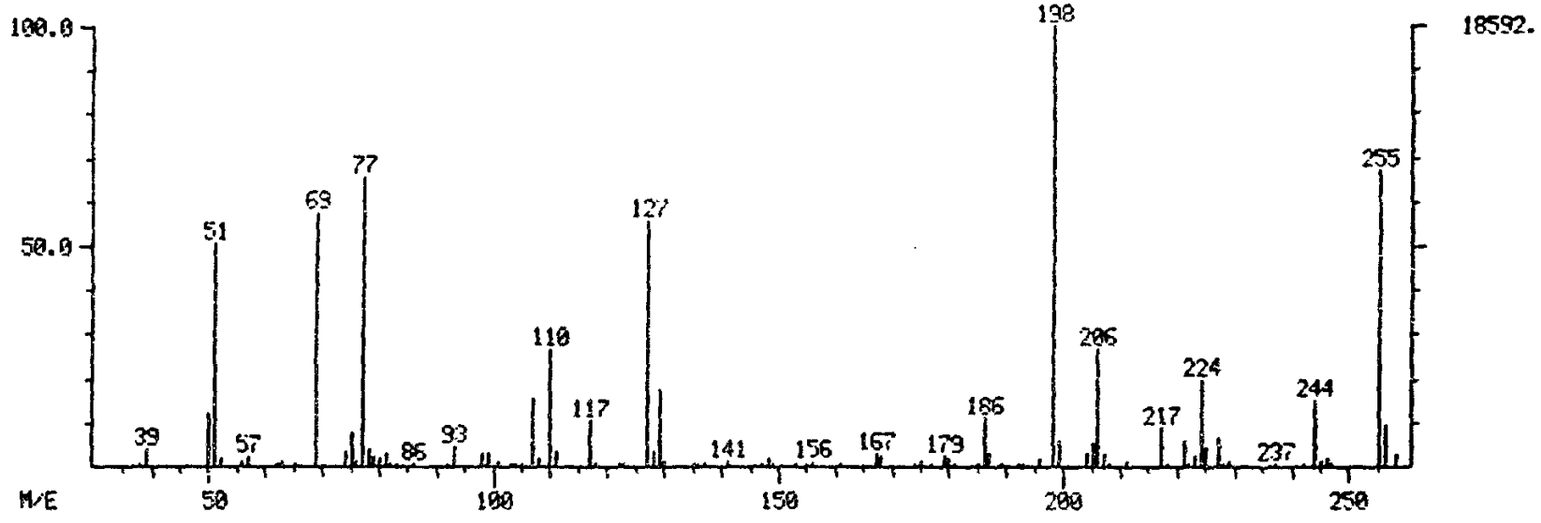
004546

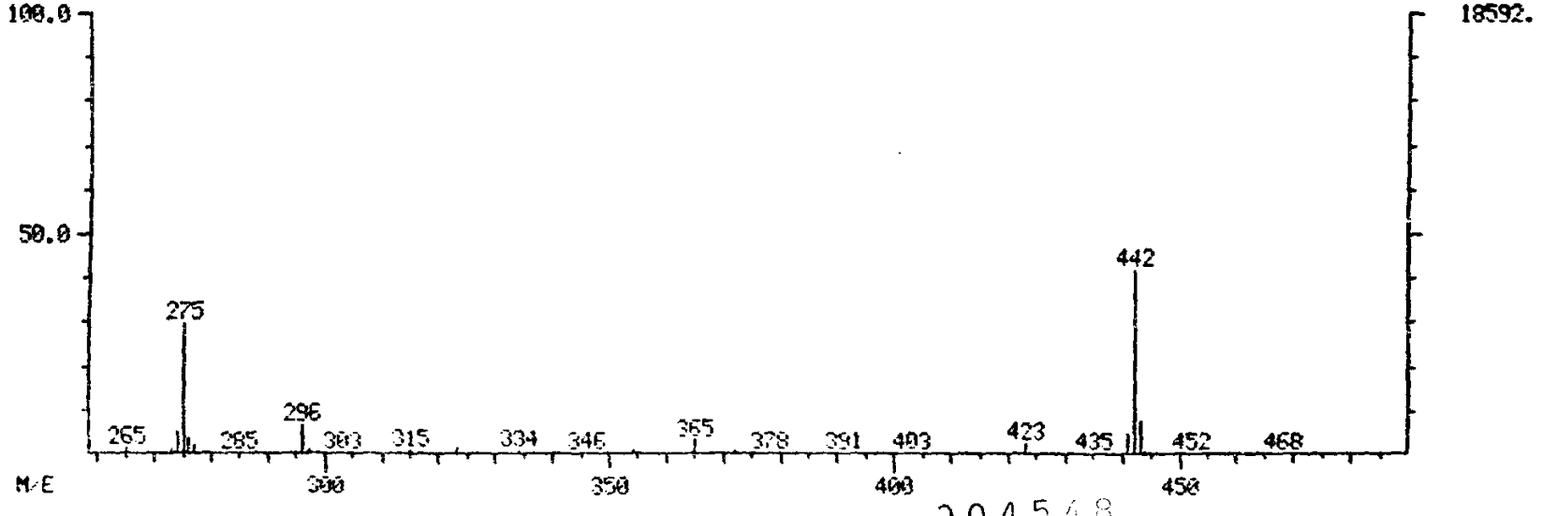
004547

MASS SPECTRUM
07/08/87 7:50:00 + 12:42
SAMPLE: DFTPPJUL8,DFTPP CHECK
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
ENHANCED (S 15B 2N 0T)

DATA: DFJUL8 #763
CALI: FCJULY8 #31

BASE M/E: 198
RIC: 152320.





00131

004548

7435-6-002

MASS LIST
07/08/87 7:50:00 + 12:43
SAMPLE DFTPPJUL8,DFTPP CHECK
CONDS. : 40DG FOR 4MIN THEN 270 AT 10DG/MIN
ENHANCED (S 15B 2N OT)

DATA: DFJUL8 # 763
CALI: FCJULY8 # 81

BASE M/E: 198
RIC: 152320.

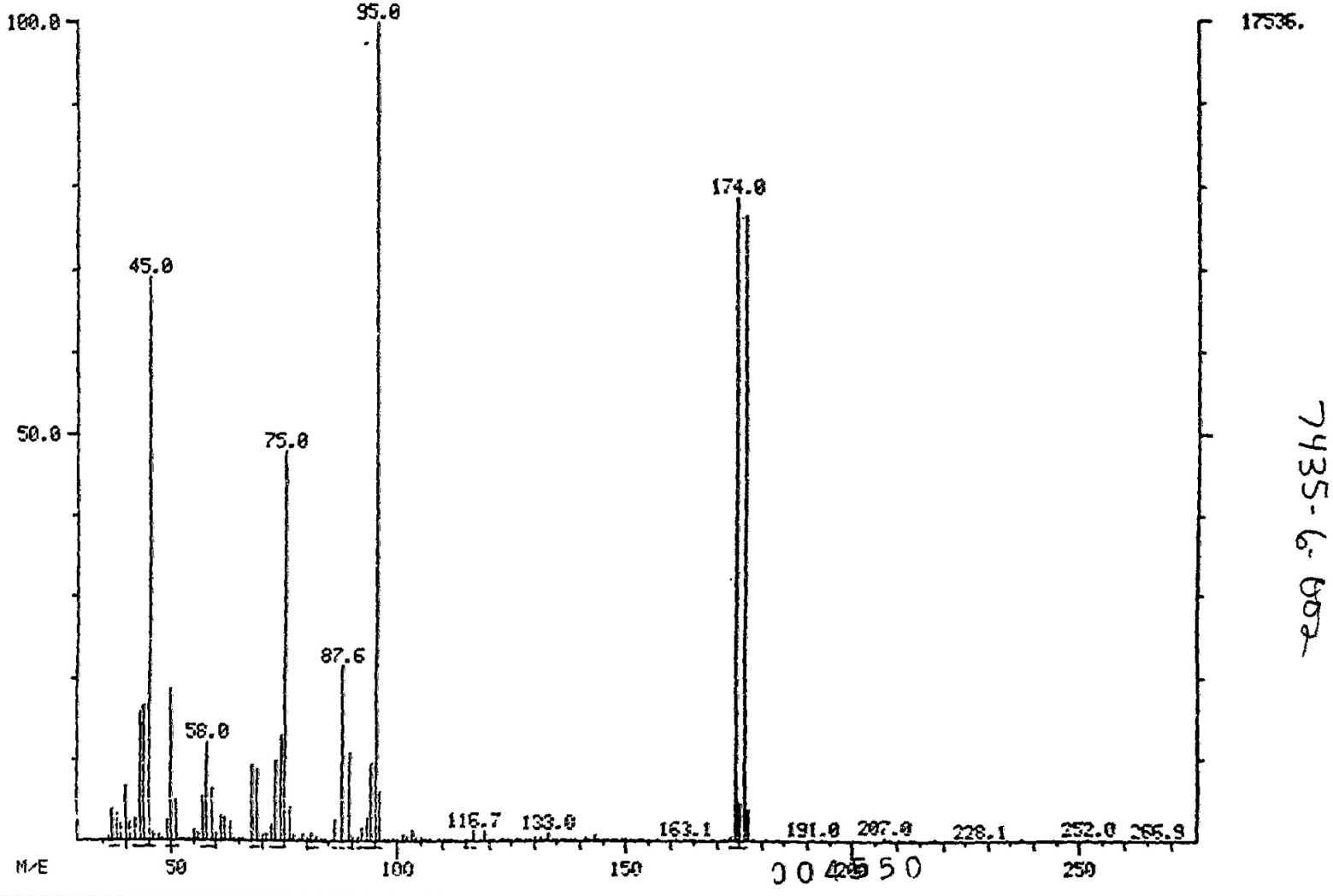
36	0.00	0.00	0.	MINIMA	MIN INTEN:	76.	
474			# 0	MAXIMA			
MASS	% RA	% RIC	INTEN.	MASS	% RA	% RIC	INTEN.
38 00?	0.54	0.07	100.	168.00	2.09	0.26	389.
39.00?	3.93	0.48	735.	175.00	1.23	0.15	229.
50 00	12.26	1.50	2280.	179.00	2.05	0.25	381.
51.00	50.34	6.14	9360.	180.00	1.57	0.19	292.
52.00	1.99	0.24	370.	181.00	0.68	0.08	126.
56.00	1.10	0.13	204.	185.00	0.52	0.06	97.
57.00	2.44	0.30	453.	186.00	11.08	1.35	2060.
62.00	0.44	0.05	82.	187.00	2.74	0.33	509.
63.00	1.10	0.13	205.	192.00	0.51	0.06	74.
65.00	0.77	0.09	144.	193.00	0.41	0.05	76.
69.00	57.31	7.00	10656.	196.00	1.63	0.20	303.
74.00	3.42	0.42	635.	198.00	100.00	12.21	18592.
75.00	7.31	0.89	1360.	199.00	5.71	0.70	1062.
76 00	1.11	0.14	207.	204.00	2.76	0.34	514.
77.00	65.75	8.03	12224.	205.00	5.46	0.67	1016.
78.00	3.87	0.47	720.	206.00	27.02	3.30	5024.
79.00	2.43	0.30	451.	207.00	2.82	0.34	524.
80.00	1.67	0.20	311.	211.00	1.05	0.13	196.
81.00	3.07	0.37	571.	217.00	8.69	1.06	1616.
82.00	0.66	0.08	122.	218.00	0.71	0.09	132
83.00	0.76	0.09	141.	221.00	5.86	0.72	1090.
86.00	0.80	0.10	148.	222.00	0.48	0.06	89.
92.00	0.45	0.05	83	223.00	2.07	0.25	384.
93.00	4.89	0.60	909.	224.00	19.99	2.44	3716.
98.00	3.17	0.39	590.	225.00	4.18	0.51	777.
99.00	3.04	0.37	566.	227.00	6.67	0.81	1240.
101.00	1.30	0.16	241.	228.00	0.76	0.09	141.
104.00	0.62	0.08	115.	229.00	1.18	0.14	219.
105.00	0.51	0.06	94.	244.00	15.21	1.86	2828.
107.00	15.49	1 89	2880.	245.00	1.19	0.15	222.
108.00	1.71	0.21	317.	246.00	1.66	0.20	308
110.00	26.46	3 23	4920.	255.00	67.04	8.18	12464.
111.00	3.48	0.42	647.	256.00	9.28	1.13	1726.
117.00	10.64	1.30	1978.	258.00	3.00	0.37	557.
122.00	0.46	0.06	85.	265.00	1.04	0.13	193.
123.00	0.68	0.08	127.	273.00	1.06	0.13	197.
127.00	55.59	6.79	10336.	274.00	4.74	0.58	881.
128.00	3.21	0.39	596.	275.00	29.60	3.61	5504.
129.00	17.19	2.10	3196.	276.00	3.39	0.41	631.
130.00	0.94	0.11	175.	277.00	1.46	0.18	271.
135.00	0.59	0.07	110.	296.00	6.27	0.77	1166.
136.00	0.42	0.05	78.	297.00	0.43	0.05	80.
137.00	0.62	0.08	115.	323.00	1.44	0.18	268.
141.00	1.31	0.16	243.	334.00	0.69	0.08	129.
147.00	0.55	0.07	102.	365.00	2.69	0.33	500.
148.00	1.88	0.23	349.	372.00	0.81	0.10	150.
155.00	0.47	0.06	87.	423.00	2.11	0.26	393
156.00	1.10	0.13	205.	441.00	4.62	0.56	859.
161.00	0.56	0.07	105.	442.00	41.65	5.08	7744.
167.00	2.94	0.36	547.	443.00	7.39	0.90	1374.

004549

MASS SPECTRUM
06/15/87 S:01:00 + 30:06
SAMPLE: BFB CHECK
CONDS.: 45 DC FOR 3MIN.8.0 DC/MIN TO 200 DC-HOLD

DATA: BJUN15 #903
CALI: FCJUN15 #106

BASE M/E: 95
RIC: 109696.



7435-6-002

00133

004550

004550

MASS LIST
06/15/87 5.01·00 + 30.06
SAMPLE BFB CHECK
CONDS 45 DG FOR 3MIN. 8.0 DG/MIN TO 200 DG. HOLD

DATA: BJUN15 # 903
CALI: FCJUN15 # 106

BASE M/E: 95
RIC: 109696.

36 0.00 0.00 0. MINIMA MIN INTEN: 40.
267 # 0 MAXIMA

MASS	% RA	% RIC	INTEN.
35 96?	0.60	0.10	105.
37.00?F	3.89	0.62	682.
38 00?F	3.31	0.53	581.
39 00?	2.20	0.35	386.
39.94	6.72	1.07	1178.
41.00	2.30	0.37	404.
41.98 F	2.83	0.45	497.
43.00 F	15.74	2.52	2760.
43.98 F	16.49	2.64	2892.
45.00 F	69.07	11.04	12112.
46.00 F	1.25	0.20	219.
47.06	0.90	0.14	157.
47.96	0.37	0.06	65.
48.98 F	2.65	0.42	465.
50.00 F	18.52	2 96	3248.
51.00 F	4.97	0.79	871.
52 00	0.28	0.04	49.
52.94	0.36	0.06	63.
53.96	0.28	0 04	49.
54.98	1.19	0.19	209.
55.98	1.16	0.19	203.
57.00 F	5.50	0.88	964.
58 02 F	12.00	1 92	2104.
59.02 F	6.60	1.06	1158.
59.96 M	1.08	0.17	189.
60.96	3.07	0.49	539.
61.96	2 81	0.45	492.
62.96	2.24	0.36	393.
64.98	0.23	0.04	40.
67.90 F	9.18	1.47	1610.
68.96 F	8.69	1.39	1524.
69.96	0.90	0.14	157.
70.98	1.04	0.17	182.
72.02 F	2.15	0.34	377.
73.00 F	9.77	1.56	1714.
74.00 F	12.96	2.07	2272.
75.00 F	47.90	7.66	8400.
76.02	4.11	0.66	721.
77.00	0.83	0.13	146.
78.02	0.37	0.06	65.
78.92	1.05	0.17	184.
79.96	0.51	0.08	89.
80.94 F	1.12	0.18	196.
81.94 F	0.44	0.07	78.
83.08	0.34	0.05	60.
85.92 F	2.56	0.41	449.
87.62 F	21.53	3.44	3776.
89 06 F	10.74	1.72	1884.
90.10	0.65	0.10	114.
91.06 F	0.58	0.09	102.
92.00 F	1.63	0.26	286.
93.00 F	2.90	0.46	508.
94.02 F	9.35	1.50	1640.
95.02 F	100.00	15.99	17536.
96 02 F	6.10	0.98	1070.
97.08	0.38	0.06	67.
99.04	0.26	0.04	45.
101.04	0.82	0.13	143.
102.06	0.60	0.10	105.
103.06	1.22	0.20	214.
103.98	0.40	0.06	70.
105.00	0.50	0.08	87.
106.00	0.33	0.05	58.
107.02	0.33	0.05	57.
109.10	0.30	0.05	53.
110.08	0.25	0.04	44.
111.06	0 23	0.04	41.
112.04	0.23	0.04	41.
115.14 F	0.38	0.06	66.
116.74 F	1.19	0.19	209.
118.04	0.32	0.05	56.
119.02	1.18	0.19	207.
120.04	0.23	0.04	41.
121.08	0.31	0.05	55
123.10	0.26	0.04	46.
123.96	0.23	0.04	40.
128.00	0.29	0.05	51.
129.02	0.23	0.04	41.
129.96	0.40	0.06	70.
131.12 M	0.54	0.09	94.
133.04	0.95	0.15	166.
134.08	0.29	0.05	50.
135.02	0.36	0.06	64.
137.04	0.25	0.04	43.
140.96	0.57	0.09	100.
142.96	0.66	0.11	116.
146.04	0.25	0.04	43.
148.00	0.25	0.04	44.
149.04	0.29	0.05	50.
155.02	0.26	0.04	46.
171.64 M	0.26	0.04	45.
172.86 F	0.44	0.07	78.
173.96 F	78.83	12.60	13824.
174.96 F	4.73	0.76	829.
175.96 F	76.73	12.27	13456.
176.96	3.92	0.63	687.
177.98	0.25	0.04	44.
207.04	0.64	0.10	113.
208.08	0.23	0.04	40.
213.12	0.29	0.05	51.

004551

Sample Number
MB1

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: SAIC
Case No.: 7435
Lab Sample ID No: IFB163006
QC Report No: 7435-6-009
Sample Matrix: Water
Contract No: 68-01-7143
Data Release Authorized By: Ed Cunningham
Date Sample Received: NA

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: NA
Date Analyzed: 6-15-87
Conc/Dil Factor: 1 pH 6
Percent Moisture: (Not Decanted) NA

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10 u
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	5 u
67-64-1	Acetone	10 u
75-15-0	Carbon Disulfide	5 u
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	10 u
71-55-6	1, 1, 1-Trichloroethane	5 u
56-23-5	Carbon Tetrachloride	5 u
108-05-4	Vinyl Acetate	10 u
75-27-4	Bromodichloromethane	5 u

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	5 u
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	10 u
75-25-2	Bromoform	5 u
591-78-6	4-Methyl-2-Pentanone	10 u
108-10-1	2-Hexanone	10 u
127-18-4	Tetrachloroethene	5 u
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

004552

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name SAK

Case No 7435

Sample Number MB1

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared 6-17-87

Date Analyzed 7-8-87

Conc/Dil Factor 1

Percent Moisture NA

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	10u
111-44-4	bis(2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1,3-Dichlorobenzene	
106-46-7	1,4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1,2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2,4-Dimethylphenol	
65-85-0	Benzoic Acid	50u
111-91-1	bis(2-Chloroethoxy)Methane	10u
120-83-2	2,4-Dichlorophenol	
120-82-1	1,2,4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2,4,6-Trichlorophenol	
95-95-4	2,4,5-Trichlorophenol	50u
91-58-7	2-Chloronaphthalene	10u
88-74-4	2-Nitroaniline	50u
131-11-3	Dimethyl Phthalate	10u
208-96-8	Acenaphthylene	10u
99-09-2	3-Nitroaniline	50u

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	10u
51-28-5	2,4-Dinitrophenol	50u
100-02-7	4-Nitrophenol	50u
132-64-9	Dibenzofuran	10u
121-14-2	2,4-Dinitrotoluene	
606-20-2	2,6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	50u
534-52-1	4,6-Dinitro-2-Methylphenol	50u
86-30-6	N-Nitrosodiphenylamine (1)	10u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	50u
85-01-8	Phenanthrene	10u
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3,3'-Dichlorobenzidine	20u
56-55-3	Benzo(a)Anthracene	10u
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1,2,3-cd)Pyrene	
53-70-3	Dibenzo(a,h)Anthracene	
191-24-2	Benzo(g,h,i)Perylene	

(1)-Cannot be separated from diphenylamine

004553

004553

Laboratory Name SAIC

Case Number 7435

Sample Number
METH BLANK

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCB's

Concentration (Low) Medium (Circle One)
Date Extracted/Prepared 6-17-87
Date Analyzed 6-25-87
Conc/Dil Factor 1.0
Percent Moisture (decanted) N/A

GPC Cleanup __Yes
Separatory Funnel Extraction ✓Yes
Continuous Liquid-Liquid Extraction __Yes

CAS Number		UG/L
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC(Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
3321-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-11-2	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

Vi = Volume of extract injected (ul)
Vs = Volume of water extracted (ml)
Ws = Weight of sample extracted (g)
Vt = Volume of total extract (ul)

Vs 1000 or Ws ____ Vt 10000 Vi 4

Form 1

Laboratory Name SAIC

Case No 7435

Sample Number MB1

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1	123-91-1	1,4-Dioxane	VOA	417	8 J
2	110-12-3	2-Hexanone, 5-Methyl-	BNA	388	51 J
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
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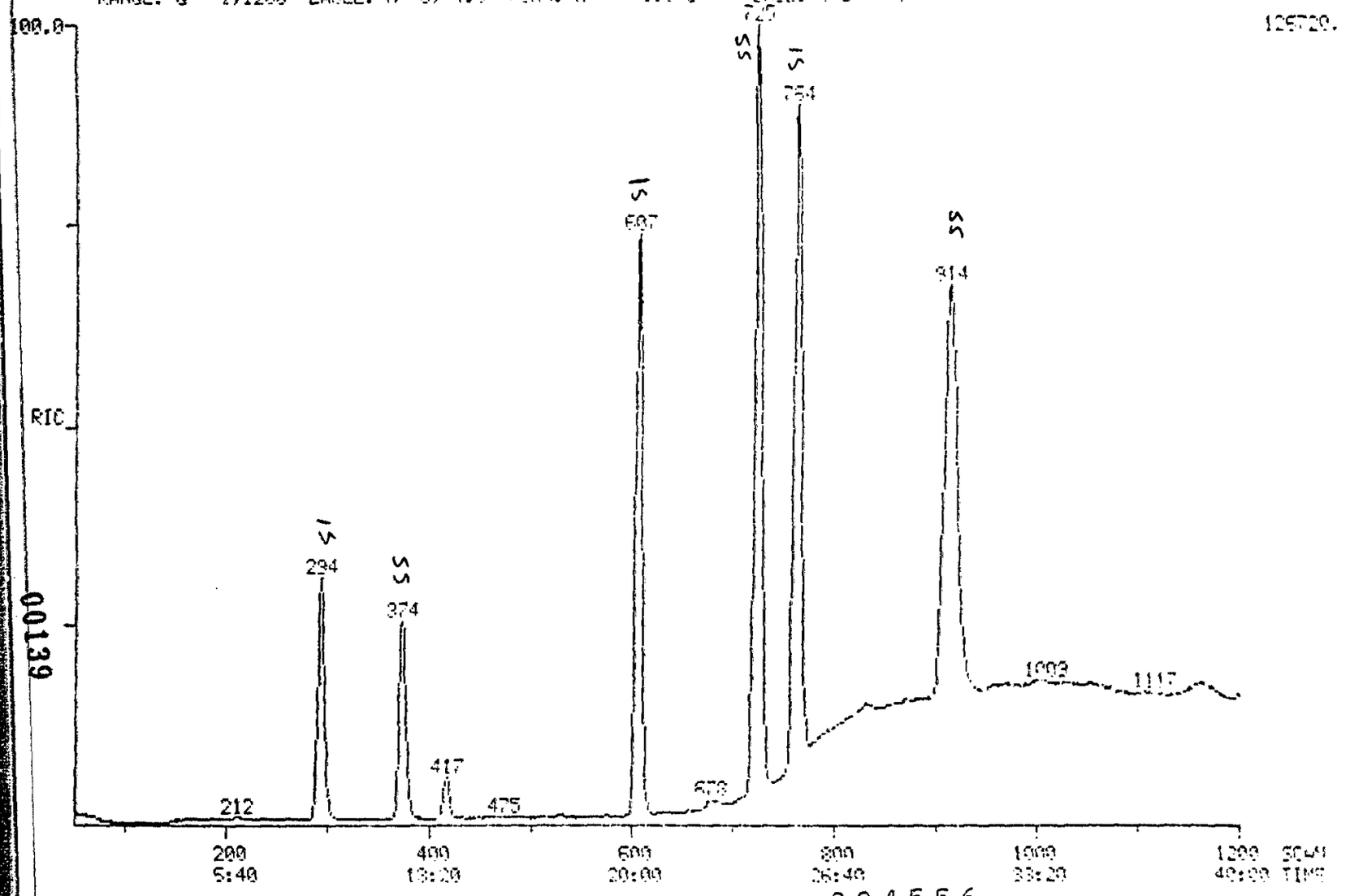
29					
30					

004555

RIC DATA: IFB163006 #915 SCANS 50 TO 1200
06/15/87 10:12:00 CALI: FCJUN15 #106
SAMPLE: 87-163006,7435,METHOD BLANK,UOA,H2O,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: W 20, 3



004556

00139

004556

QUANTITATION REPORT FILE VTEMP

DATA IFF1[illegible] TI
06/15/07 10 12 00
SAMPLE 87-163006.7435,METHOD BLANK,VOA,H2O,5MLS
CONDS : 45 DG FOR 3MIN.8 0 DG/MIN TO 200 DG,HOLD
STANDARD ID V50JUN15 INSTRUMENT FINN2
SENSITIVITY ID BJUN15 ANALYST TL INST CALI. FIN2

AMOUNT=AREA * REF.AMNT/(REF AREA)* RESP FACT)
RESP FAC FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#46)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	129	253	9 46	1	1 000	A BB	46559	50 000 **	17.26
2	114	617	20 14	2	1 000	A BB	348726	50 000 **	17 26
3	117	765	25 30	3	1 000	A BB	341933	50 000 **	17.26
4	65	374	12 25	1	1 276	A BB	97188	46 940 **	16 20
5	98	724	24 12	3	0 949	A BB	471360	48 757 **	16.83
6	95	917	30 34	3	1 199	GEDT	250025	44 039 **	15.20

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R FAC	R.FAC(L)	RATIO
1	9.46	1 00	1 000	1 00	50 00	50 00	1 000	1.000	1.00
2	20.10	1.00	1.000	1 00	50.00	50 00	1 000	1.000	1.00
3	25.22	1 01	1 000	1.00	50.00	50 00	1.000	1.000	1.00
4	12 24	1 01	1.270	1 01	46.94	50 00	2.087	2.224	0.94
5	24.06	1 00	0 951	1 00	48 76	50.00	1 379	1.414	0.98
6	30 14	1 01	1 192	1.01	44.04	50 00	0 731	0.830	0.88

004557

QUANTITATION REPORT FILE VOUNKS

DATA IFB163006 T1
06/15/87 10:12:00
SAMPLE 87-163006,7435, METHOD BLANK,VOA,H2O,5MLS
COND: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
STANDARD ID VSCJUN15 INSTRUMENT: FINN2
SENSITIVITY ID BJUN15 ANALYST: TL INST CAL1 FIN2

AMOUNT=AREA * REF AMNT/(REF AREA)* RESP.FACT)
RESP FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	~~BENZENE,1-BROMO-3-FLUORO-~~ Jan 13 07
5	1,4 DIOXANE

NO	M/L	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	294	9 48	1	1.000	A BB	270604.	50.000 **	25.56
2	RIC	697	20 14	2	1.000	A BB	672103.	50.000 **	25.56
3	RIC	764	25 28	3	1.000	A BB	686720	50.000 **	25.56
~~4~~	~~RIC~~	~~516~~	~~30 28~~	~~3~~	~~1.196~~	~~A BB~~	~~808911.~~	~~45.613~~	~~23.32~~
5	RIC	417		1			46627	7.51	

004558

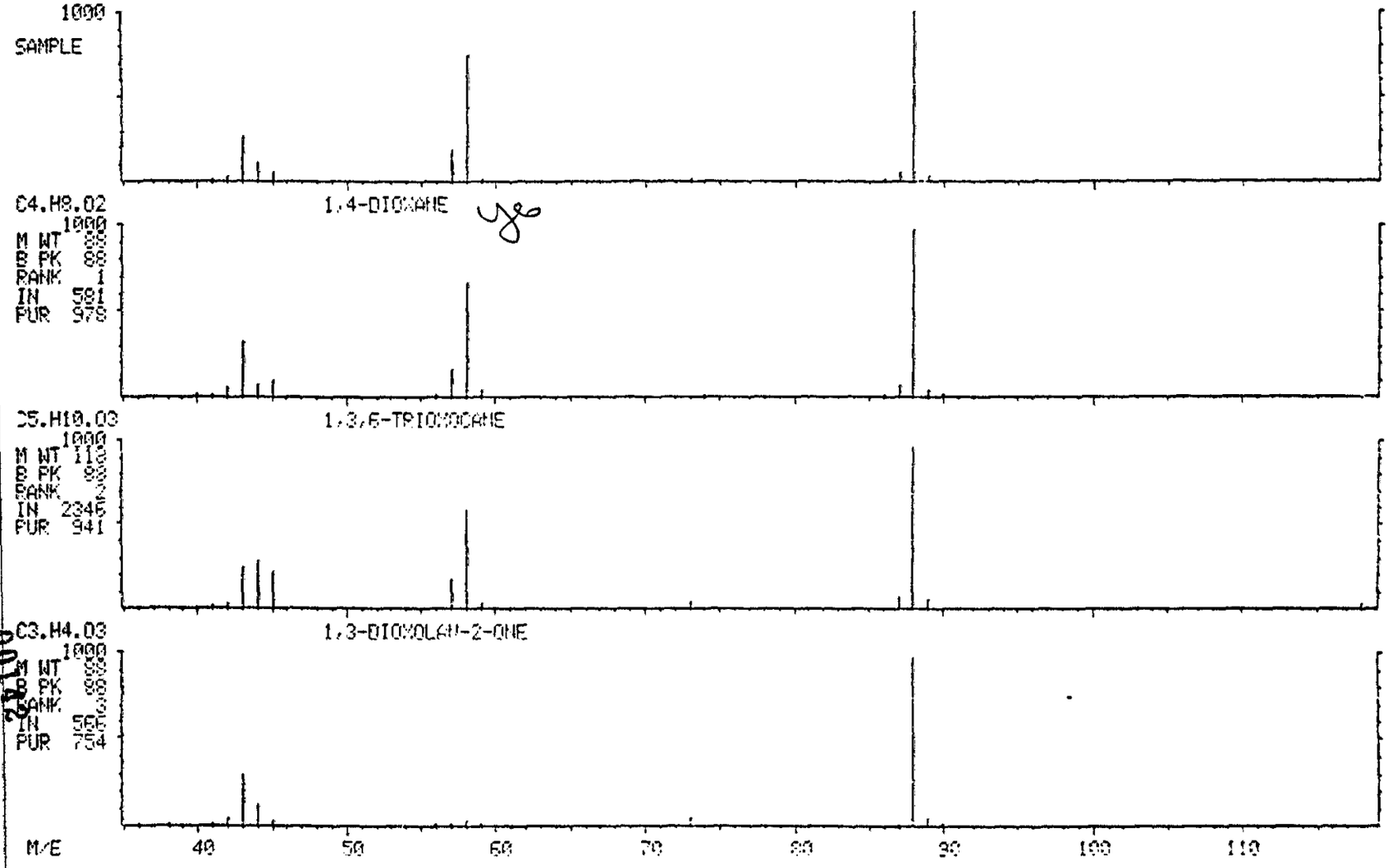
00141

004558

LIBRARY SEARCH
06/15/87 10:12:00 + 13:54
SAMPLE: 87-163006,7435,METHOD BLANK,100A,H2O,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
ENHANCED (S 15B 2N 0T)

DATA: IFB163006 # 417
CALI: FCJUN15 # 106

BASE M/E: 88
PIC: 5125.

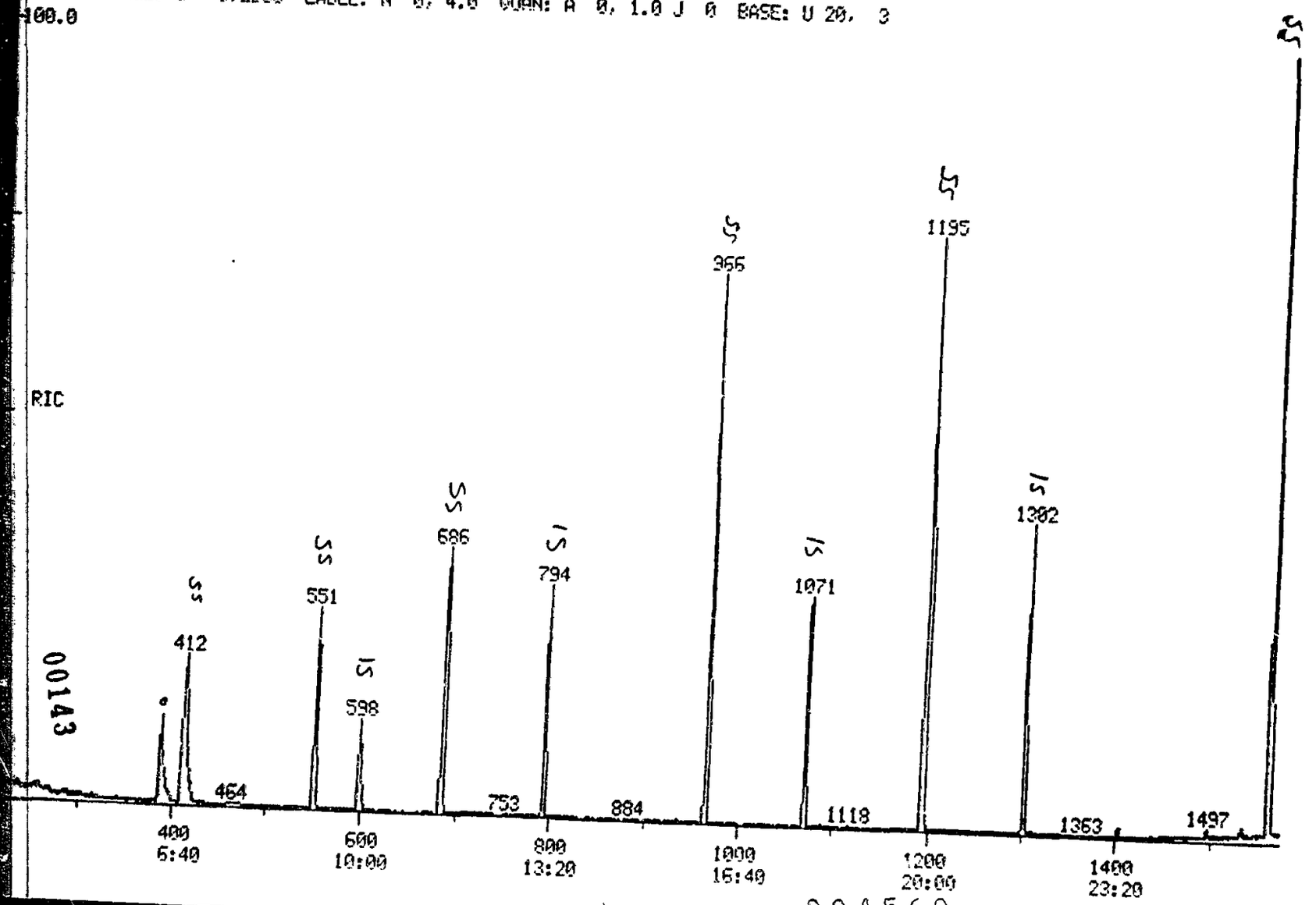


004559

RIC
07/06/87 12:56:00
SAMPLE: 87163006,7435,M.B.,BNA,H20 METHOD BLANK
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: IFB163006 #1
CALI: FCJULY8 #81

SCANS 200 TO 1575
OUT OF 200 TO 2950



004560

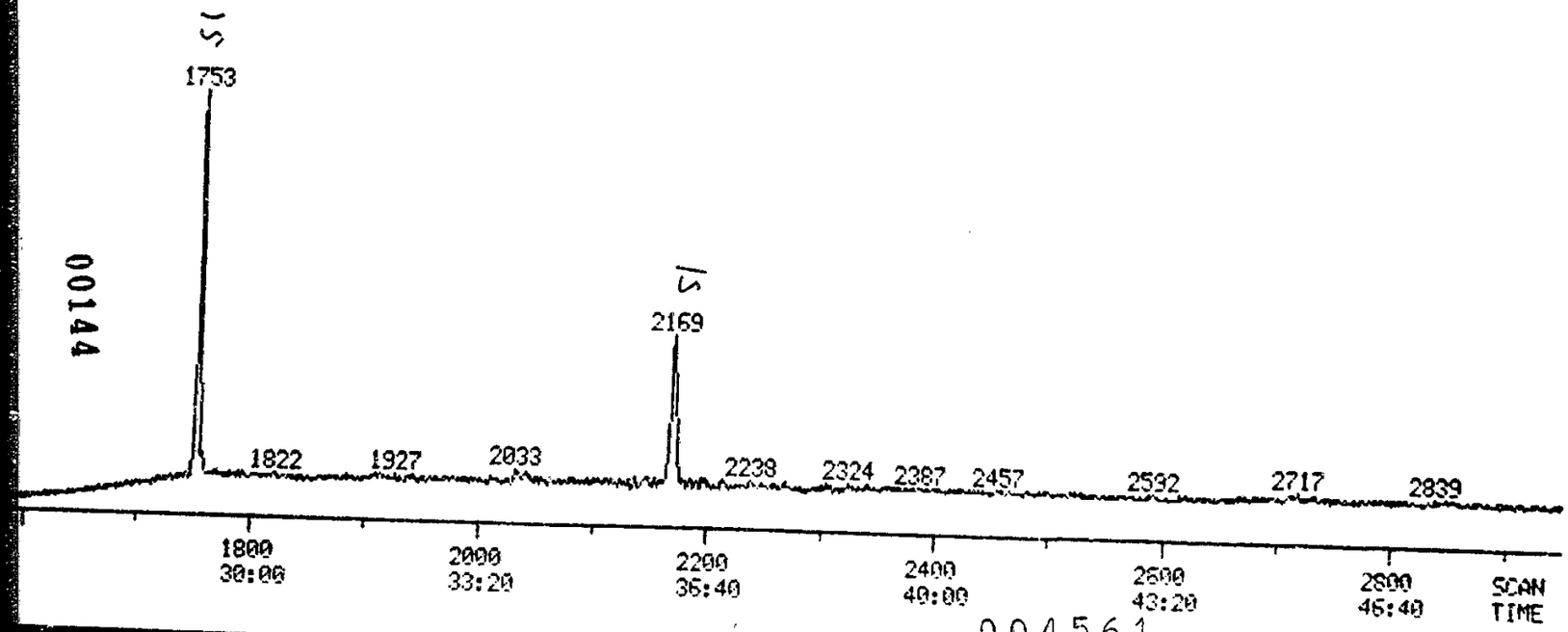
004560

RIC
07/08/87 12:56:00
SAMPLE: 87163006,7435,M.B.,BNA,H20 METHOD BLANK
CONDS.: 40DG FOR 4MIN THEN 27D AT 10DG/MIN
RANGE: G 1.2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: IFB163006 #1
CALI: FCJULY8 #81

SCANS 1575 TO 2950
OUT OF 200 TO 2950

312832.



00144

004561

004561

SAMPLE IFB163006 QUANTITATED USING RESP. FACTORS FROM SBNA50

QUANTITATION REPORT FILE: TEMP

DATA: IFB163006.TI
07/08/87 12:56:00
SAMPLE: 87163006,7435,M.B.,BNA,H2O METHOD BLANK
CONDS : 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID: INSTRUMENT: FINN1
SENSITIVITY ID: DFJULB ANALYST: RJT INST CALI: FCJULYB

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
7	SS1 D5-PHENOL (DC#16 ACID SURROGATE)
8	SS2 2-FLUOROPHENOL (DC#17 ACID SURROGATE)
9	SS3 D5-NITROBENZENE (DC#34 B/N SURROGATE)
10	SS4 2-FLUOROBIPHENYL (DC#56 B/N SURROGATE)
11	SS5 2,4,6-TRIBROMOPHENOL (DC#57 S.S.)
12	SS6 D14-P-TER PHENYL (DC#80 S.S.)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	598	9:58	1	1.000	A BB	23578.	40.000 **	4.37
2	136	794	13:14	2	1.000	A BB	100669.	40.000 **	4.37
3	164	1071	17:51	3	1.000	A BB	64976.	40.000 **	4.37
4	188	1302	21:42	4	1.000	A BB	132465.	40.000 **	4.37
5	240	1753	29:13	5	1.000	A BB	187246.	40.000 **	4.37
6	264	2169	36:09	6	1.000	A BB	125343.	40.000 **	4.37
7	99	551	9:11	1	0.921	A BB	75428.	103.711 **	11.34
8	112	412	6:52	1	0.689	A?BV	100164.	163.659 **	17.89
9	82	686	11:26	2	0.864	A BB	94590.	110.756 **	12.11
10	172	946	16:06	3	0.902	A BB	167457.	82.732 **	9.04
11	330	1195	19:55	3	1.116	A?BV	110871.	170.735 **	18.66
12	244	1561	26:01	5	0.890	A BB	405004.	43.219 **	4.72

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:11	1.00	0.920	1.00	103.71	100.00	1.280	1.234	1.04
8	6:52	1.00	0.688	1.00	163.65	100.00	1.699	1.038	1.64
9	11:25	1.00	0.863	1.00	110.76	50.00	0.752	0.339	2.22
10	16:06	1.00	0.902	1.00	82.73	50.00	2.062	1.246	1.65
11	19:55	1.00	1.116	1.00	170.74	100.00	0.683	0.400	1.71
12	26:02	1.00	0.892	1.00	43.22	50.00	1.730	2.002	0.86

004562

QUANTITATION REPORT FILE: UNKS

DATA: IFB163006 TI
07/08/87 12:56:00
SAMPLE: 87163006,7435,M.B ,BNA,H2O METHOD BLANK
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID: INSTRUMENT: FINN1
SENSITIVITY ID: DFJUL8 ANALYST: RJT INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	2-HEXANONE,5-METHYL-
3	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
4	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
5	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
6	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
~~7~~	~~FERROCENE,1-(1-HYDROXYETHYL)-3-METHYL-~~ SI/VOC
8	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	598	9:56	1	1.000	A BB	118850.	40.000 **	10.63
2	RIC	388	6:28	1	0.649	A BB	150426.	50.627	13.45
3	RIC	794	13:14	3	1.000	A BB	194935.	40.000 **	10.63
4	RIC	1071	17:51	4	1.000	A VB	230302.	40.000 **	10.63
5	RIC	1302	21:42	5	1.000	A BV	272335.	40.000 **	10.63
6	RIC	1753	29:13	6	1.000	A BB	410128.	40.000 **	10.63
~~7~~	~~RIC~~	~~1562~~	~~26:02~~	~~6~~	~~0.891~~	~~A BB~~	~~879486.~~	~~85.777~~	~~22.79~~
8	RIC	2169	36:09	8	1.000	A VB	296551.	40.000 **	10.63

004563

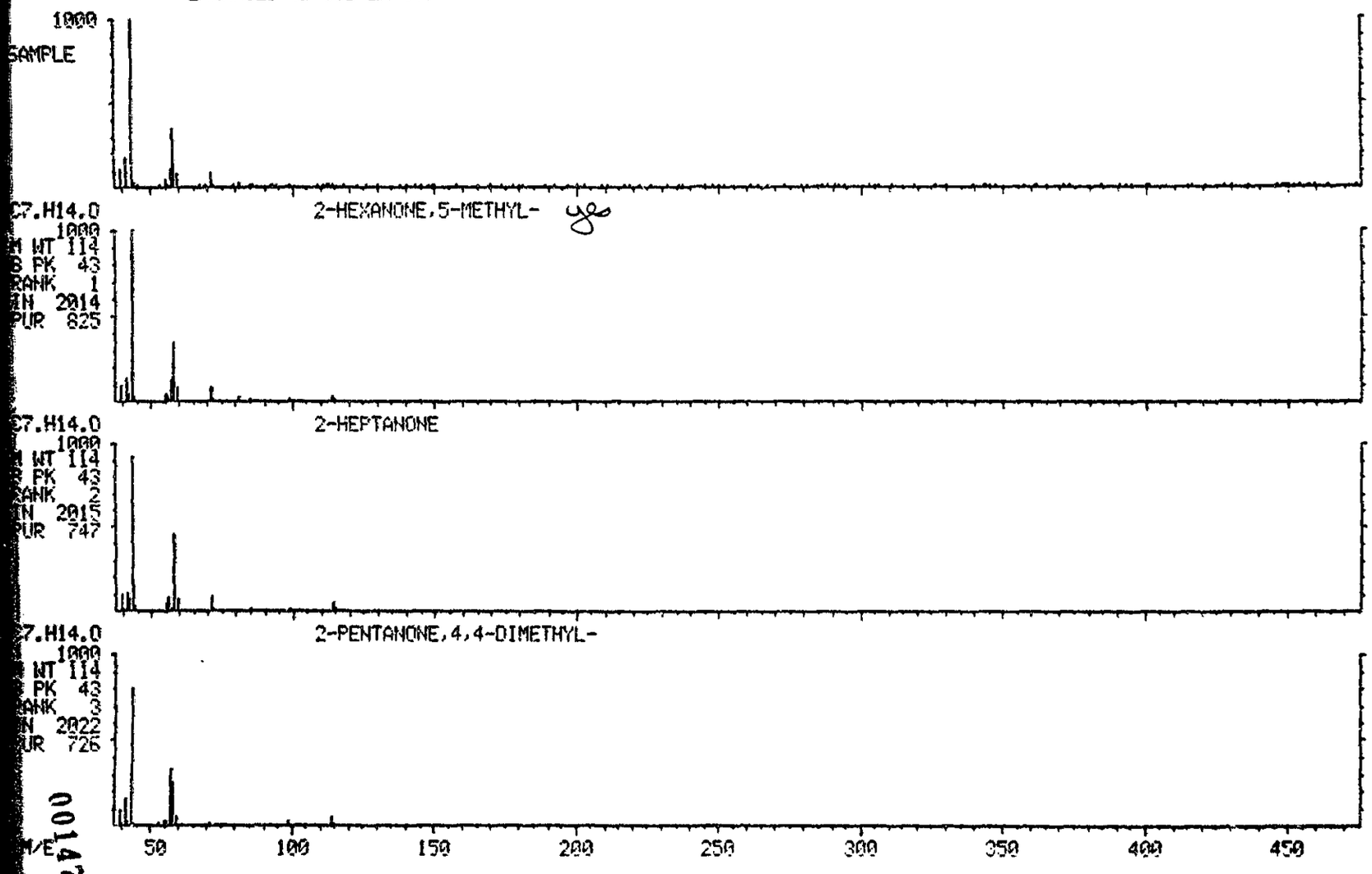
00146

004563

LIBRARY SEARCH
07/08/87 12:56:00 + 6:28
SAMPLE: 87153006,7435,M.C.,BNA,H2O METHOD BLANK
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
ENHANCED (S 15B 2N 0T)

DATA: IFB153006 # 300
CALI: FCJULY8 # 81

BASE M/E: 43
RIC: 20063.

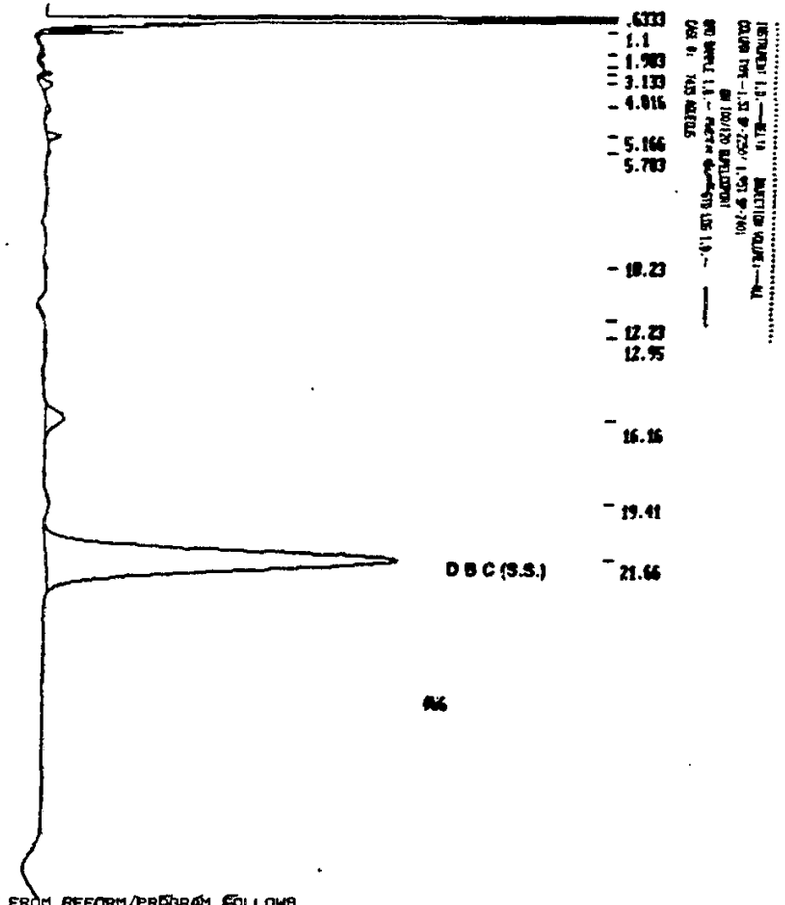


00147

004564

004564

B7163006MB Processed: 06-25-1987 22:04:06, segment 11 , cycle 17
Raw Data Stored in Files: D:E062317.HDR D:E062317.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

004585

00148

DRAFT FROM RETURN PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

Case #7435

```
*****************************************************************************
* Sample Name: 87163006MB  SMO# METH BLNK        Operator Initials: SG      *
* Date:  06-25-1987 22:04:45 Method:IFB-Pt-1     DATA FILE: D:E062317.PTS   *
* Interface: I              Cycle#:  17          Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10   Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 1" *
*              Solvent Description: INJECTION VOLUME: 4 UL                  *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP               *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C          *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT *
*****************************************************************************
Area reject:       100
Amount injected:       1.00                  Dilution factor:       1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONCT	AREA	HEIGHT	AREA/ HEIGHT RA.	REF PEAK	% DELTA RET TIME	CONC/AREA
2	0.53		0.0000	0.0000%	23881	11576	2.3 1			0.000E+00
3	0.63		0.0000	0.0000%	65459	26437	2.2 1			0.000E+00
4	1.10		0.0000	0.0000%	3420	607	5.0 1			0.000E+00
9	1.90		0.0000	0.0000%	514	45	11.2 1			0.000E+00
10	2.43		0.0000	0.0000%	485	27	17.7 1			0.000E+00
11	2.73		0.0000	0.0000%	544	96	5.7 1			0.000E+00
12	3.10 ~~HEPTACHLOR-O~~ odl		0.0040	0.0000%	2191	112	19.6 1	0	-.5347	2.180E-06
14	4.02		0.0000	0.0000%	603	29	20.7 1			0.000E+00
16	5.17		0.0000	0.0000%	1449	114	12.7 1			0.000E+00
17	5.70 ~~gamma-CHLORDANE~~ odl		0.0007	0.0000%	275	24	11.6 1	0	-1.420	2.400E-06
19	10.23		0.0000	0.0000%	263	16	16.4 1			0.000E+00
22	12.23		0.0000	0.0000%	320	11	30.5 1			0.000E+00
25	12.95 ~~4,4'-DDE~~ odl		0.0007	0.0000%	190	8	23.2 1	0	-1.019	3.680E-06
27	16.17		0.0000	0.0000%	6204	162	38.9 1			0.000E+00
29	19.42		0.0000	0.0000%	194	10	19.1 1			0.000E+00
31	21.67	BISBUTYLCHLORENDATE	0.9001	0.0000%	169571	2995	56.6 1	0	-.2831	5.308E-06

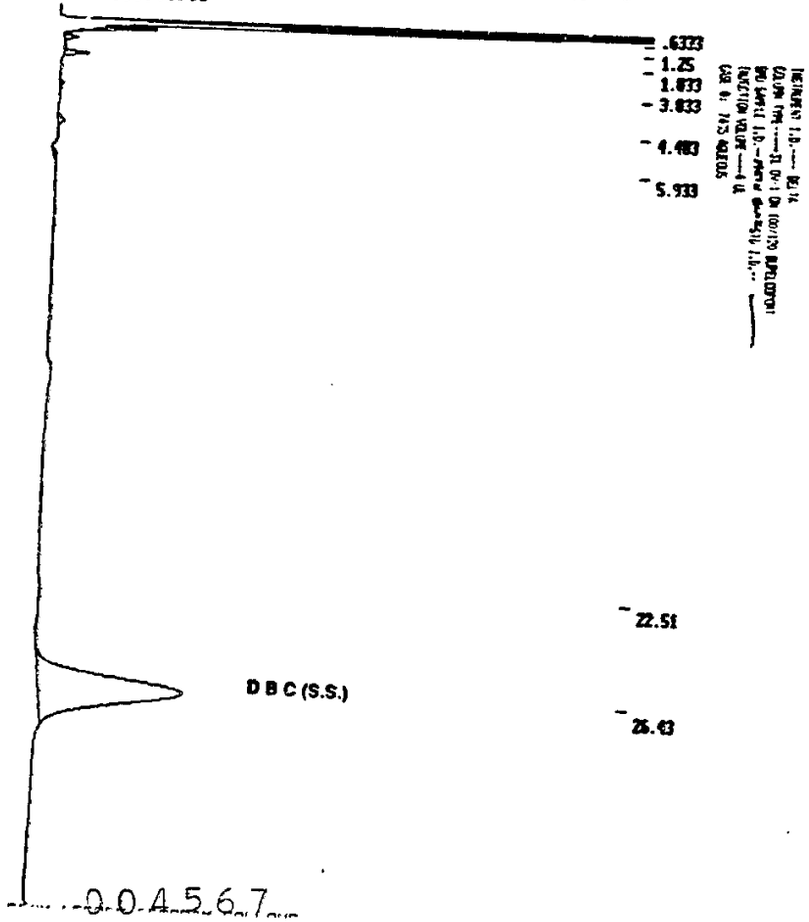
TOTAL AMOUNT = 0.0000

00149

004566

BATCH RE-PROCESS FINISHED 06-29-1987, 14:39:45

87163006MB Processed: 06-29-1987 15:17:28, segment 6 , cycle 6
Raw Data Stored in Files: D:B06296.HDR D:B06296.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



00150

004567

004567

OUTPUT FROM REFORM PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAS# 57-74-9

```
*****************************************************************************
* Sample Name: 87163006MB   SMO# METH BLNK        Operator Initials: SG     *
* Date:  06-29-1987 15:18:29 Method:IFB-P2-1      DATA FILE: D:B06296.PFS   *
* Interface: 1              Cycle#:  6            Channel#: 0   Vial#: N.A. *
* Starting Peak Width:  10   Threshold:  .01                                *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 2" *
*            Solvent Description: INJECTION VOLUME: 4 UL                    *
*   Operating Conditions: 205C -- ISOTHERMAL WITH 35 MIN STOP               *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C          *
*     Misc. Information: 3% OV-1 ON 100/120 SUPELCOPORT                     *
*****************************************************************************
Area reject:       100
Amount injected:       1.00                  Dilution factor:        1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/UL	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.48		0.0000	0.0000%	47137	16936	2.8 I			0.0000E+00
2	0.63		0.0000	0.0000%	57457	16035	3.6 I			0.0000E+00
3	0.85		0.0000	0.0000%	2200	460	5.0 I			0.0000E+00
4	1.25		0.0000	0.0000%	751	111	6.8 I			0.0000E+00
6	1.83		0.0000	0.0000%	1370	207	6.6 I			0.0000E+00
7	3.03		0.0000	0.0000%	229	30	7.7 I			0.0000E+00
9	4.48		0.0000	0.0000%	767	58	13.2 I			0.0000E+00
10	5.93	HEPTACHLOR EPOXIDE I	0.0010	0.0000%	391	11	35.5 I	0	.0090	2.6102E-06
13	22.52		0.0000	0.0000%	132	6	22.4 I			0.0000E+00
14	26.43	DIBUTYLCHLORENDATE	0.3533	0.0000%	82764	1213	63.2 I	0	.1262	4.2689E-06

TOTAL AMOUNT = 0.0000

00151

004568

Sample Number
MB2

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: SAIC
Lab Sample ID No: IFB163003
Sample Matrix: Water
Data Release Authorized By: EACunningham

Case No: 7435
QC Report No: 7435-6-009
Contract No: 68-01-7143
Date Sample Received: NA

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: NA
Date Analyzed: 6-15-87
Conc/Dil Factor: 1 pH NA
Percent Moisture: (Not Decanted) NA

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10 u
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	3J
75-15-0	Carbon Disulfide	10 u
75-35-4	1, 1-Dichloroethene	5 u
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	10 u
56-23-5	Carbon Tetrachloride	5 u
108-05-4	Vinyl Acetate	5 u
75-27-4	Bromodichloromethane	10 u
		5 u

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	5 u
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	10 u
591-78-6	4-Methyl-2-Pentanone	5 u
108-10-1	2-Hexanone	10 u
127-18-4	Tetrachloroethene	10 u
79-34-5	1, 1, 2, 2-Tetrachloroethane	5 u
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

004569

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report

00152

Laboratory Name SAIC

Case No 7435

Sample Number MB2

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	No VOAs found			
2.	BNA NR			
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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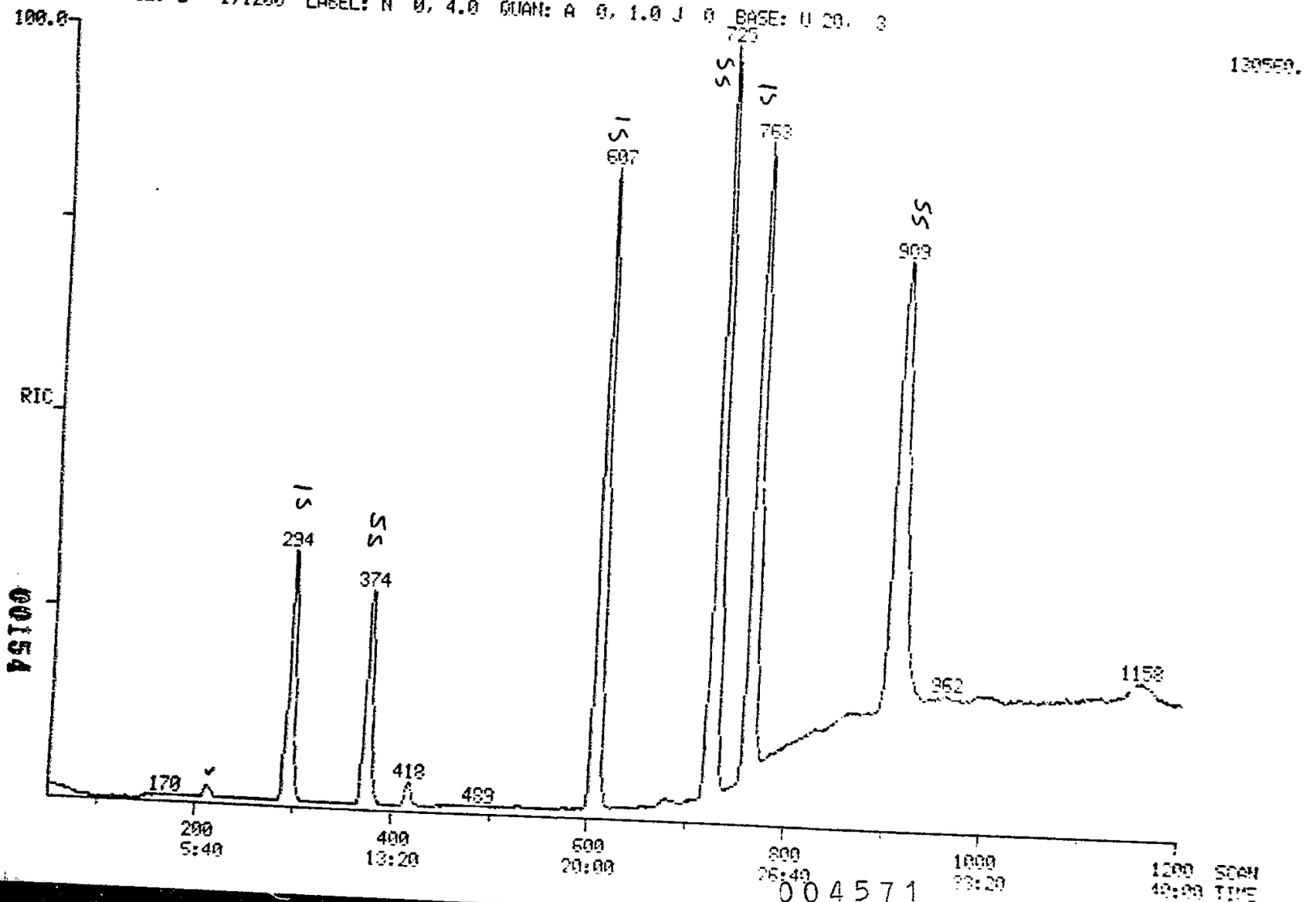
26.				
27.				
28.				
29.				
30.				

004570

RIC
06/15/87 10:56:00 DATA: IFB163003 #914 SCANS 50 TO 1200
SAMPLE: 87-163003,7435,HOLDING BLANK,VOA,H2O,5MLS CALI: FCJUN15 #106
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



004571

QUANTITATION REPORT FILE VTEMP

DATA IFB163003 T1
06/15/87 10.56 00
SAMPLE 87-163003,7435,HOLDING BLANK,VOA,H2O,5ML6
COND'S : 45 DG FOR 3MIN,8 0 DG/MIN TO 200 DG,HOLD
STANDARD ID. V50JUN15 INSTRUMENT: FINN2
SENSITIVITY ID BJUN15 ANALYST: TL INST CALI: FIN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#46)
7	44V METHYLENE CHLORIDE (VX#6)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	294	9.48	1	1.000	A BB	52262.	50.000 **	16.88
2	114	607	20.14	2	1.000	A BB	403550.	50.000 **	16.88
3	117	763	25:26	3	1.000	A BB	341076.	50.000 **	16.88
4	65	374	12:28	1	1.272	A BB	113287.	48.744 **	16.46
5	98	725	24:10	3	0.950	A BB	434867.	45.095 **	15.23
6	95	909	30 18	3	1.191	A BB	281203.	49.655 **	16.77
7	84	213	7:06	1	0.724	A BB	4189.	2.634 **	0.89

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9.46	1 00	1.000	1 00	50.00	50.00	1.000	1.000	1.00
2	20:10	1 00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25.22	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:24	1.01	1.270	1.00	48 74	50.00	2.168	2.224	0.97
5	24:08	1.00	0.951	1.00	45.10	50.00	1.275	1.414	0.90
6	30 14	1.00	1.192	1.00	49.65	50.00	0.824	0.830	0.99
7	7:02	1.01	0.720	1.01	2.63	50.00	0.080	1.522	0.05

004572

QUANTITATION REPORT FILE VOUN#5

DATA IF163003 TI
6/15/87 10 56 00
SAMPLE: 87-163003,7435,HOLDING BLANK,VOA,H2O,5MLS
CONDS : 45 DG FOR 3MIN,8 0 DG/MIN TO 200 DG,HOLD
STANDARD ID. V50JUN15 INSTRUMENT FINN2
SENSITIVITY ID BJUN15 ANALYST: TL INST CALI: FINN2

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP FAC FROM LIBRARY ENTRY

NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (V)#34)
4	~~BENZENE,1-BROMO-3-FLUORO-~~ surrogate

NO	MOD	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	296	9 40	1	1 000	A BB	325780	50.000 **	24.98
2	RIC	607	20 14	2	1 000	A BB	797515	50.000 **	24.98
3	RIC	763	25 26	3	1 000	A BB	891416	50.000 **	24.98
4	~~RIC~~	~~[illegible]~~	~~26 16~~	~~3~~	~~1.151~~	~~A BB~~	~~854303~~	~~50.162~~	~~25.06~~

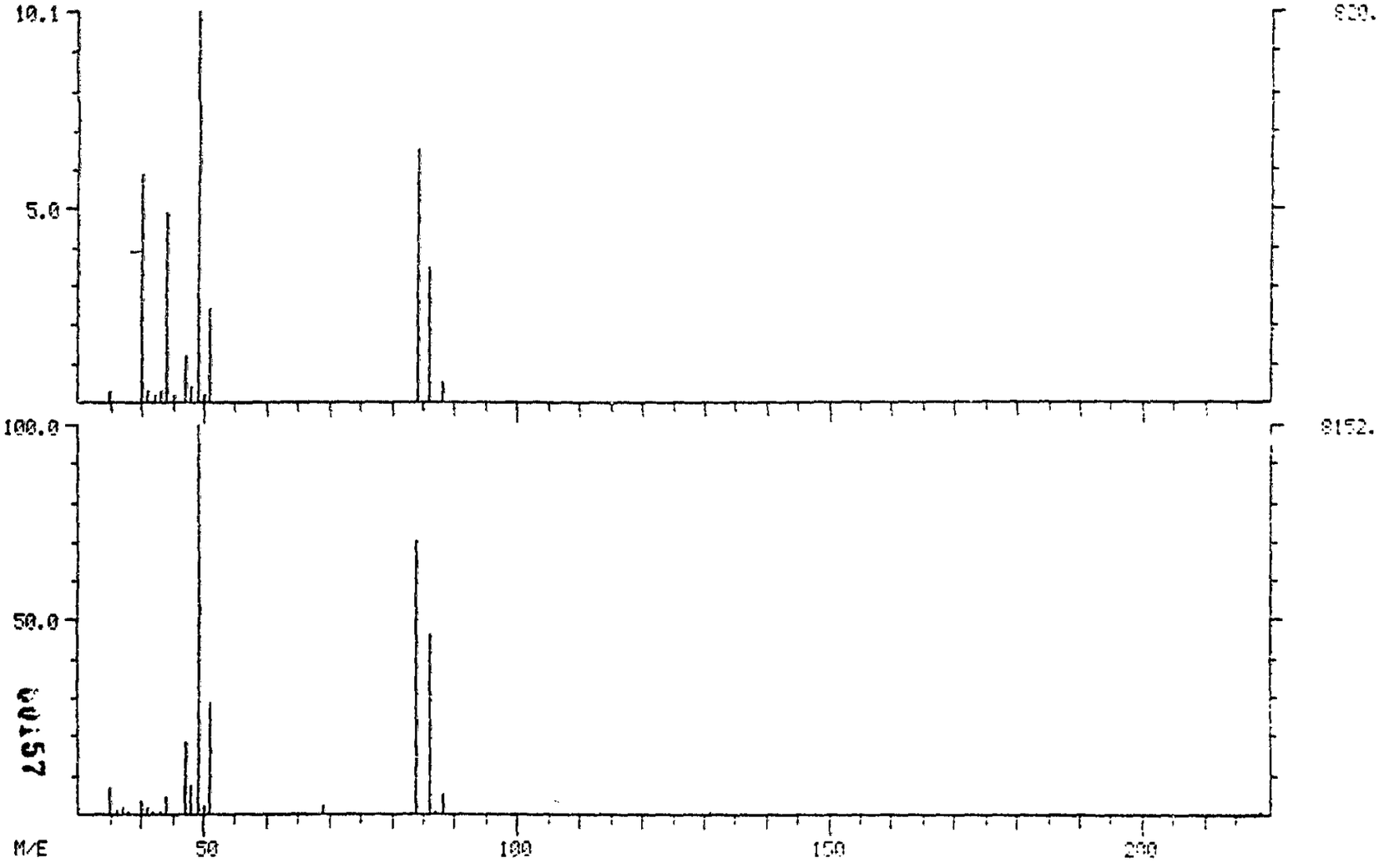
004573

00156

004573

DUAL MASS SPECTRUM
06/15/87 10:56:00 + 7:06
SAMPLE: 87-163003,7435,HOLDING BLANK,VOA,H20,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
SECOND SPECTRUM DATA: V50JUN15 #211

DATA: IFB163003 #213 BASE M/E: 43/ 43
CALI: FCJUN15 #106 RIC: 3013./ 24927.

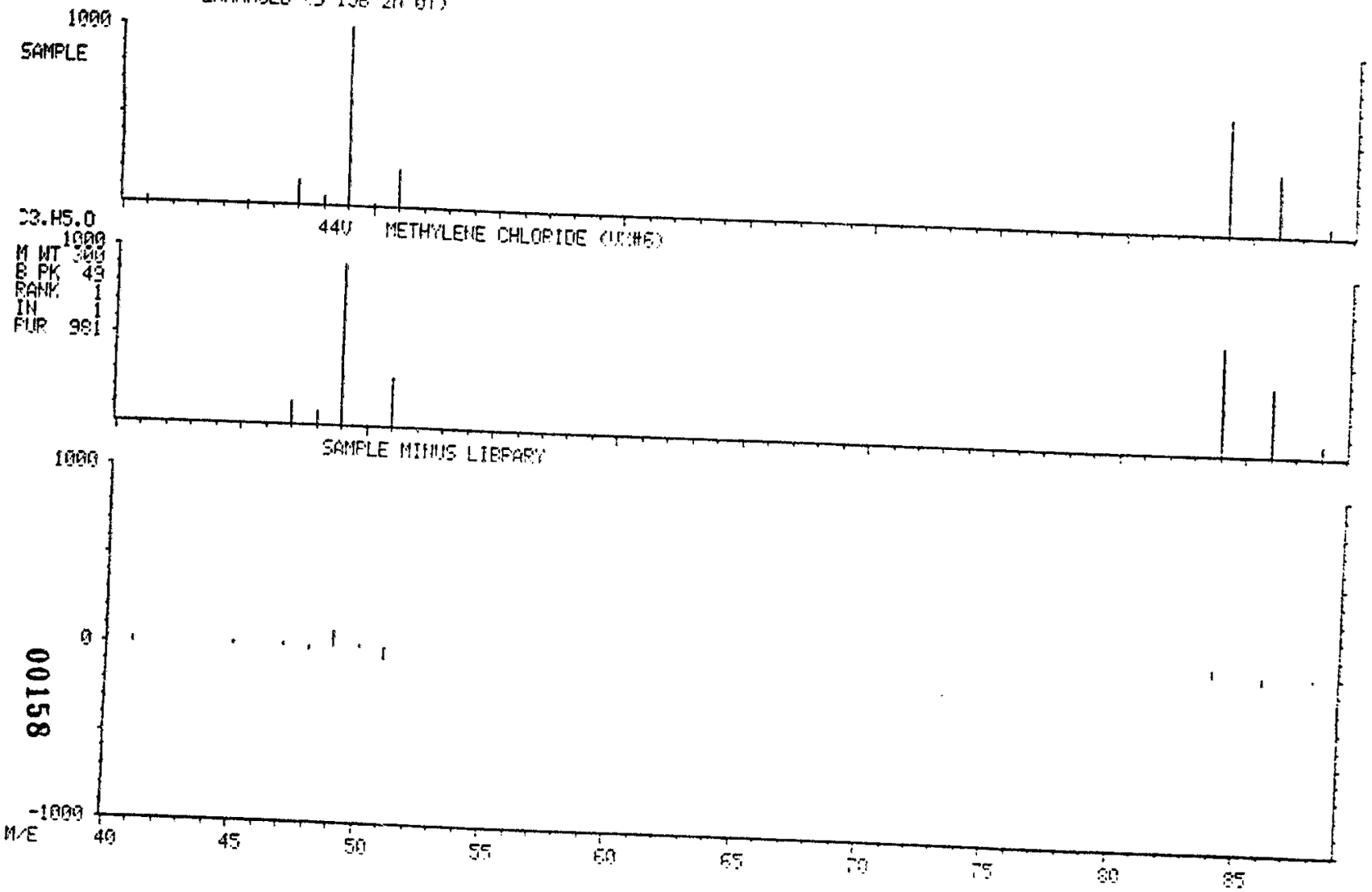


004574

LIBRARY SEARCH
06/15/87 10:56:00 + 7:06
SAMPLE: 87-163003.7435,HOLDING BLANK,40A,H2O,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
ENHANCED (S 15B 2N 0T)

DATA: IFB163003 # 213
CALI: FCJUN15 # 106

BASE M/E: 49
BIC: 1757.



00158

004575

004575

Sample Number
FD388MS

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: SAIC
Case No: 7435
Lab Sample ID No: 1FB163004
QC Report No: 7435-6-010
Sample Matrix: Water
Contract No: 68-01-7143
Data Release Authorized By: E A Cunningham
Date Sample Received: 6-11-87

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: NA
Date Analyzed: 6-15-87
Conc/Dil Factor: 1 pH 7
Percent Moisture: (Not Decanted) NA

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10 u
74-83-9	Bromomethane	↓
75-01-4	Vinyl Chloride	↓
75-00-3	Chloroethane	↓
75-09-2	Methylene Chloride	5 u
67-64-1	Acetone	10 u
75-15-0	Carbon Disulfide	5 u
75-35-4	1, 1-Dichloroethene	63
75-34-3	1, 1-Dichloroethane	5 u
156-60-5	Trans-1, 2-Dichloroethene	↓
67-66-3	Chloroform	↓
107-06-2	1, 2-Dichloroethane	↓
78-93-3	2-Butanone	10 u
71-55-6	1, 1, 1-Trichloroethane	5 u
56-23-5	Carbon Tetrachloride	5 u
108-05-4	Vinyl Acetate	10 u
75-27-4	Bromodichloromethane	5 u

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	5 u
10061-02-6	Trans-1, 3-Dichloropropene	5 u
79-01-6	Trichloroethene	46
124-48-1	Dibromochloromethane	5 u
79-00-5	1, 1, 2-Trichloroethane	5 u
71-43-2	Benzene	63
10061-01-5	cis-1, 3-Dichloropropene	5 u
110-75-8	2-Chloroethylvinylether	10 u
75-25-2	Bromoform	5 u
591-78-6	4-Methyl-2-Pentanone	10 u
108-10-1	2-Hexanone	10 u
127-18-4	Tetrachloroethene	5 u
79-34-5	1, 1, 2, 2-Tetrachloroethane	5 u
108-88-3	Toluene	51
108-90-7	Chlorobenzene	50
100-41-4	Ethylbenzene	5 u
100-42-5	Styrene	5 u
	Total Xylenes	5 u

004576

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report

00159

Laboratory Name SAIC

Case No 7435

Sample Number FD388MS

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared 6-17-87

Date Analyzed 7-8-87

Conc/Dil Factor 1

Percent Moisture NA

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☒Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	120
111-44-4	bis(2-Chloroethyl)Ether	10u
95-57-8	2-Chlorophenol	210
541-73-1	1,3-Dichlorobenzene	10u
106-46-7	1,4-Dichlorobenzene	90
100-51-6	Benzyl Alcohol	10u
95-50-1	1,2-Dichlorobenzene	↓
95-48-7	2-Methylphenol	↓
39638-32-9	bis(2-chloroisopropyl)Ether	↓
106-44-5	4-Methylphenol	↓
621-64-7	N-Nitroso-Di-n-Propylamine	100
67-72-1	Hexachloroethane	10u
98-95-3	Nitrobenzene	↓
78-59-1	Isophorone	↓
88-75-5	2-Nitrophenol	↓
105-67-9	2,4-Dimethylphenol	↓
65-85-0	Benzoic Acid	50u
111-91-1	bis(2-Chloroethoxy)Methane	10u
120-83-2	2,4-Dichlorophenol	10u
120-82-1	1,2,4-Trichlorobenzene	120
91-20-3	Naphthalene	10u
106-47-8	4-Chloroaniline	↓
87-68-3	Hexachlorobutadiene	↓
59-50-7	4-Chloro-3-Methylphenol	190
91-57-6	2-Methylnaphthalene	10u
77-47-4	Hexachlorocyclopentadiene	↓
88-06-2	2,4,6-Trichlorophenol	↓
95-95-4	2,4,5-Trichlorophenol	50u
91-58-7	2-Chloronaphthalene	10u
88-74-4	2-Nitroaniline	50u
131-11-3	Dimethyl Phthalate	10u
208-96-8	Acenaphthylene	10u
99-09-2	3-Nitroaniline	50u

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	90
51-28-5	2,4-Dinitrophenol	50u
100-02-7	4-Nitrophenol	130
132-64-9	Dibenzofuran	10u
121-14-2	2,4-Dinitrotoluene	94
606-20-2	2,6-Dinitrotoluene	10u
84-66-2	Diethylphthalate	↓
7005-72-3	4-Chlorophenyl-phenylether	↓
86-73-7	Fluorene	↓
100-01-6	4-Nitroaniline	50u
534-52-1	4,6-Dinitro-2-Methylphenol	50u
86-30-6	N-Nitrosodiphenylamine (1)	10u
101-55-3	4-Bromophenyl-phenylether	↓
118-74-1	Hexachlorobenzene	↓
87-86-5	Pentachlorophenol	220
85-01-8	Phenanthrene	10u
120-12-7	Anthracene	10u
84-74-2	Di-n-Butylphthalate	120
206-44-0	Fluoranthene	10u
129-00-0	Pyrene	62
85-68-7	Butylbenzylphthalate	10u
91-94-1	3,3-Dichlorobenzidine	20u
56-55-3	Benzo(a)Anthracene	10u
117-81-7	bis(2-Ethylhexyl)Phthalate	↓
218-01-9	Chrysene	↓
117-84-0	Di-n-Octyl Phthalate	↓
205-99-2	Benzo(b)Fluoranthene	↓
207-08-9	Benzo(k)Fluoranthene	↓
50-32-8	Benzo(a)Pyrene	↓
193-39-5	Indeno(1,2,3-cd)Pyrene	↓
53-70-3	Dibenzo(a,h)Anthracene	↓
191-24-2	Benzo(g,h,i)Perylene	↓

(1)-Cannot be separated from diphenylamine

004577

004577

Laboratory Name SAIC

Case Number 7435

Sample Number
FD388MS

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCB's

Concentration (Low) Medium (Circle One)
Date Extracted/Prepared 6-17-87
Date Analyzed 6-25-87
Cont/Dil Factor 1.0
Percent Moisture (decanted) NA

GPC Cleanup __Yes
Separatory Funnel Extraction ✓ Yes
Continuous Liquid-Liquid Extraction __Yes

CAS Number		UG/L	
319-84-6	Alpha-BHC	0.05 U	
319-85-7	Beta-BHC	0.05 U	
319-86-8	Delta-BHC	0.05 U	
58-89-9	Gamma-BHC(Lindane)	~~0.05 U~~	SPIKED
76-44-8	Heptachlor	~~0.05 U~~	SPIKED
309-00-2	Aldrin	~~0.05 U~~	SPIKED
1024-57-3	Heptachlor Epoxide	0.05 U	
959-98-8	Endosulfan I	0.05 U	
60-57-1	Dieldrin	~~0.10 U~~	SPIKED
72-55-9	4,4'-DDE	0.10 U	
72-20-8	Endrin	~~0.10 U~~	SPIKED
3321-65-9	Endosulfan II	0.10 U	
72-54-8	4,4'-DDD	0.10 U	
7421-93-4	Endrin Aldehyde	0.10 U	
1031-07-8	Endosulfan Sulfate	0.10 U	
50-29-3	4,4'DDT	~~0.10 U~~	SPIKED
72-43-5	Methoxychlor	0.50 U	
53494-70-5	Endrin Ketone	0.10 U	
57-74-9	Chlordane	0.50 U	
8001-35-2	Toxaphene	1.0 U	
12674-11-2	Aroclor-1016	0.50 U	
11104-28-2	Aroclor-1221	0.50 U	
11141-16-5	Aroclor-1232	0.50 U	
53469-21-9	Aroclor-1242	0.50 U	
12672-11-2	Aroclor-1248	0.50 U	
11097-69-1	Aroclor-1254	1.0 U	
11096-82-5	Aroclor-1260	1.0 U	

Vi = Volume of extract injected (ul)
Vs = Volume of water extracted (ml)
Ws = Weight of sample extracted (g)
Vt = Volume of total extract (ul)

Vs 500 or Ws _____ Vt 5000 Vi 4

Form 1

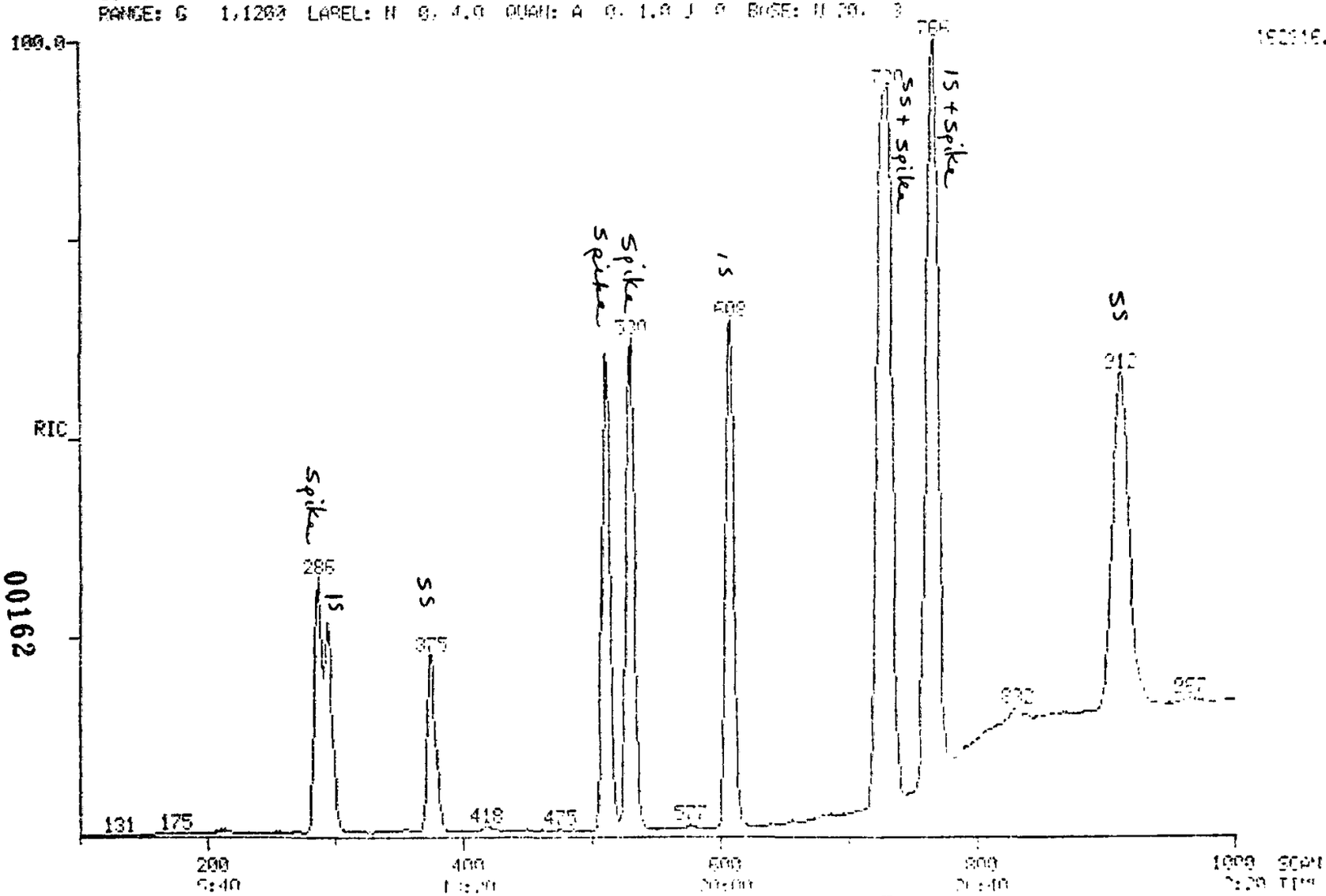
004578

004578

RIC
05/15/87 13:09:00
SAMPLE: 87-163004,7435,FD 388 MS,HOA,H20,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: N 20, 3

DATA: IFB163004 #1
CALI: FCJUN15 #105

SCANS 100 TO 1000



00162

004579

QUANTITATION REPORT FILE VTEMP

DATA [illegible]
04/19/[illegible] 13:09:00
SAMPLE 07-1[illegible]004,7435,FD 3-5 MS,VOA,H2O,5MLS
COND 45 DG FOR 3MIN,6.0 DG/MIN TO 200 DG,HOLD
STANDARD ID VSOQUN15 INSTRUMENT FINN
SENSITIVITY ID FQUN15 ANALYST TL INST CALI FIN2

AMOUNT=AREA * REF AMNT/(REF AREA)* RESP.FACT)
RESP FAC FROM LIBRARY ENTRY

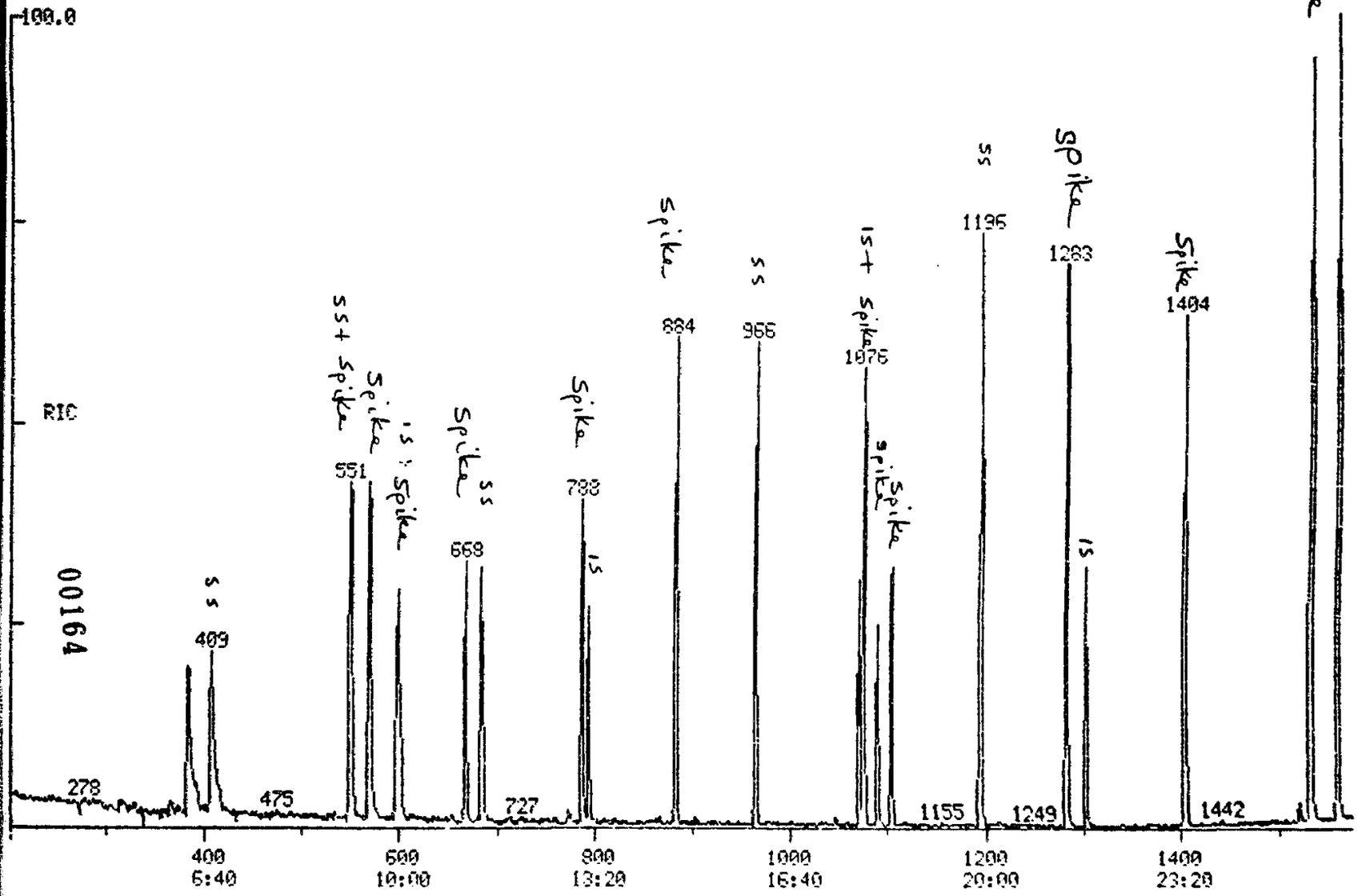
NO	NAME
1	191** BROMOCHLOROMETHANE (VX#1)
2	193** 1,4-DIFLUOROBENZENE (VX#17)
3	193** CHLOROBENZENE-D5 (VX#34)
4	893 1,2-DICHLOROETHANE-D4 (VX#14)
5	993 TOLUENE-D8 (VX#45)
6	997 BROMOFLUOROBENZENE (VX#46)
7	25[illegible] 1,1-DICHLOROETHYLENE (VX#9)
8	87[illegible] TRICHLOROETHYLENE (VX#25)
9	42 BENZENE (VX#26)
10	84[illegible] TOLUENE (VX#34)
11	7[illegible] CHLOROBENZENE (VX#40)

NO	M/E	SCAN	TIME	REF	RET	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	294	9:45	1	1.000	A BB	48829.	50.000 **	8.69
2	114	607	20:14	2	1.000	A BB	390903.	50.000 **	8.69
3	117	763	25:26	3	1.000	A BB	280929.	50.000 **	8.69
4	65	374	12:28	1	1.272	A BB	109989.	50.653 **	8.80
5	98	725	24:10	3	0.950	A BB	400466.	50.419 **	8.76
6	95	912	30:24	3	1.195	GENT	240352.	51.528 **	8.95
7	96	286	9:32	1	0.973	A BB	77786	62.831 **	10.92
8	130	511	17:02	2	0.842	A BB	142008.	45.782 **	7.96
9	78	530	17:40	2	0.873	A BB	364863.	62.891 **	10.93
10	92	732	24:24	3	0.959	A BB	268930.	51.116 **	8.88
11	112	747	25:34	3	1.005	A BB	333307.	50.229 **	8.73

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9.46	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:22	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:24	1.01	1.270	1.00	50.65	50.00	2.253	2.224	1.01
5	24:08	1.00	0.951	1.00	50.42	50.00	1.426	1.414	1.01
6	30:14	1.01	1.192	1.00	51.53	50.00	0.856	0.830	1.03
7	9:28	1.01	0.969	1.00	62.83	50.00	1.593	1.268	1.26
8	16:58	1.00	0.841	1.00	45.78	50.00	0.363	0.397	0.92
9	17:34	1.01	0.871	1.00	62.89	50.00	0.933	0.742	1.26
10	24:20	1.00	0.959	1.00	51.12	50.00	0.957	0.936	1.02
11	25:32	1.00	1.007	1.00	50.23	50.00	1.186	1.181	1.00

004580

RIC DATA: IFB163004 #1 SCANS 200 TO 1575
07/08/87 14:50:00 CALI: FCJULY8 #81 OUT OF 200 TO 2950
SAMPLE: 87163004,7435,FD308(MS),BHA,H2O MATRIX SPIKE
CONDS.: 400G FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1.2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

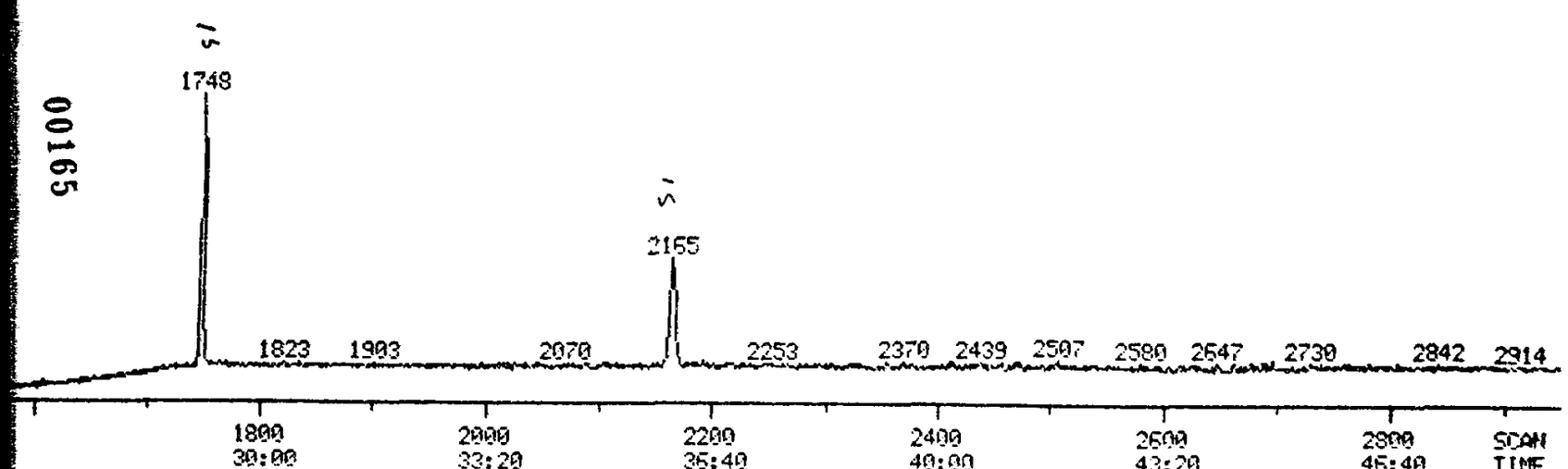


004581

004581

RIC DATA: IFB162004 #1 SCANS 1575 TO 2950
07/08/87 14:50:00 CALI: FCJULY8 #81 OUT OF 200 TO 2950
SAMPLE: 87163004,7435,FD388(MS),BNA,H20 MATRIX SPIKE
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

402944.



00165

004582

004582

QUANTITATION REPORT FILE: TEMP

DATA: IFB163004.T1
07/08/87 14.50.00
SAMPLE: 87163004,7435,FD388(MS),BNA,H2O MATRIX SPIKE
CONDS : 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID. INSTRUMENT: FINN1
SENSITIVITY ID: DFJUL8 ANALYST: RJT INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
7	SS1 D5-PHENOL (DC#16 ACID SURROGATE)
8	SS2 2-FLUOROPHENOL (DC#17 ACID SURROGATE)
9	SS3 D5-NITROBENZENE (DC#34 B/N SURROGATE)
10	SS4 2-FLUOROBIPHENYL (DC#56 B/N SURROGATE)
11	SS5 2,4,6-TRIBROMOPHENOL (DC#57 S.S.)
12	SS6 D14-P-TER PHENYL (DC#80 S.S.)
13	65A PHENOL (DC#3)
14	24A 2-CHLOROPHENOL (DC#6)
~~15~~	~~26B 1,3-DICHLOROBENZENE (DC#7)~~
16	27B 1,4-DICHLOROBENZENE (DC#8)
17	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
~~18~~	~~31A 2,4-DICHLOROPHENOL (DC#27)~~
19	8B 1,2,4-TRICHLOROBENZENE (DC#28)
20	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
~~21~~	~~77B ACENAPHTHYLENE (DC#44)~~
22	1B ACENAPHTHENE (DC#46)
23	58A 4-NITROPHENOL (DC#48)
24	35B 2,4-DINITROTOLUENE (DC#50)
25	64A PENTACHLOROPHENOL (DC#65)
26	68B DI-N-BUTYL PHTHALATE (DC#68)
27	84B PYRENE (DC#74)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	598	9:58	1	1.000	A?BV	25534.	40.000 **	1.52
2	136	794	13.14	2	1.000	A BB	102576.	40.000 **	1.52
3	164	1071	17:51	3	1.000	A?BB	71828.	40.000 **	1.52
4	188	1303	21:43	4	1.000	A BB	144599.	40.000 **	1.52
5	240	1748	29:08	5	1.000	A BB	189507.	40.000 **	1.52
6	264	2165	36:05	6	1.000	GEDT	115215.	40.000 **	1.52
7	99	550	9:10	1	0.920	A BB	96373.	122.359 **	4.66
8	112	409	6:49	1	0.684	A?BV	113225.	170.828 **	6.50
9	82	685	11:25	2	0.863	A BB	100002.	114.916 **	4.37
10	172	966	16:06	3	0.902	A BB	204696.	91.482 **	3.48
11	330	1195	19:55	3	1.116	A?BV	125302.	174.551 **	6.64
12	244	1561	26:01	5	0.893	A BB	501247.	52.851 **	2.01
13	94	552	9:12	1	0.923	A BB	113407.	122.911 **	4.68
14	128	570	9:30	1	0.953	A BB	150083.	210.590 **	8.02
~~15~~	~~146~~	~~600~~	~~10:00~~	~~1~~	~~1.003~~	~~A BB~~	~~76021.~~	~~99.116 **~~	~~3.77~~
16	146	600	10:00	1	1.003	A BB	76021.	90.018 **	3.43
17	70	668	11:08	1	1.117	A BB	49889.	105.921 **	4.03

004583

00166

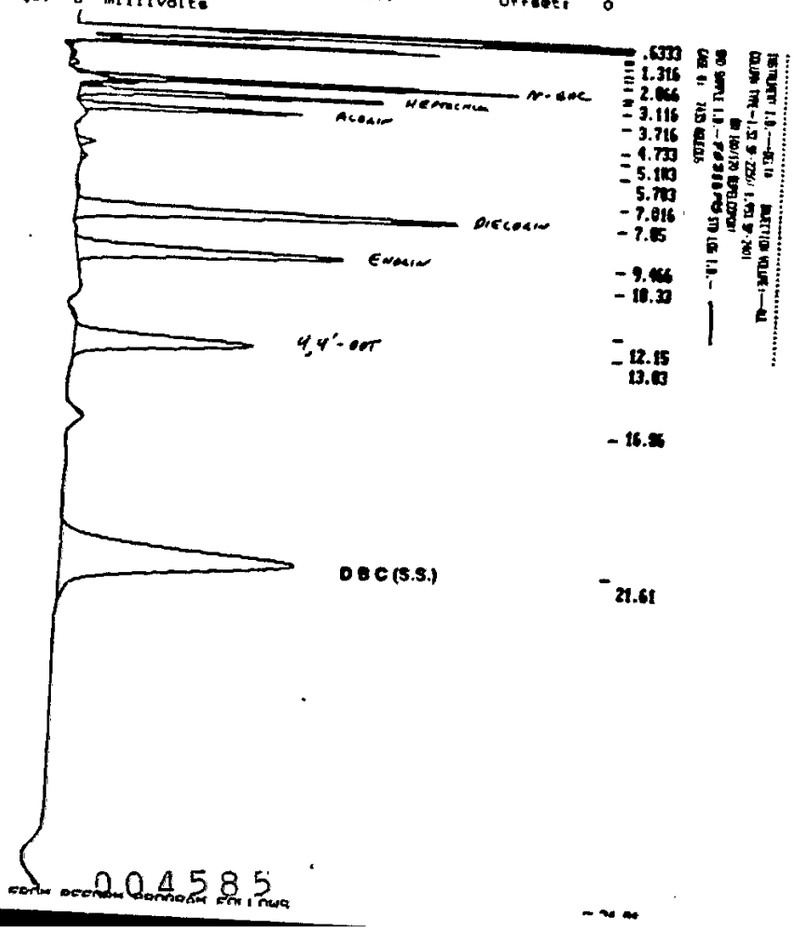
004583

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
~~16~~	~~162~~	~~773~~	~~12:53~~	~~2~~	~~0.974~~	~~A BB~~	~~1926.~~	~~3.341 **~~	~~0.10~~
19	180	788	13:08	2	0.992	A BB	80939.	121.165 **	4.61
20	107	884	14:44	2	1.113	A BB	122764.	187.006 **	7.12
~~21~~	~~152~~	~~1047~~	~~17:27~~	~~3~~	~~0.978~~	~~A BB~~	~~4411.~~	~~1.846 **~~	~~0.07~~
22	153	1076	17:56	3	1.005	A BB	154758.	90.345 **	3.44
23	139	1090	18:10	3	1.018	A BB	33271.	130.315 **	4.96
24	89	1106	18:26	3	1.033	A BB	50986.	93.613 **	3.56
25	266	1282	21:22	4	0.984	A?BB	136223.	218.649 **	8.32
26	149	1404	23:24	4	1.078	A BB	318129.	122.999 **	4.68
27	202	1533	25:33	5	0.877	A?BB	637119.	62.069 **	2.36

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13.14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:11	1.00	0.920	1.00	122.36	100.00	1.510	1.234	1.22
8	6:52	0.99	0.688	0.99	170.83	100.00	1.774	1.038	1.71
9	11:25	1.00	0.663	1.00	114.92	50.00	0.780	0.339	2.30
10	16:06	1.00	0.902	1.00	91.48	50.00	2.280	1.246	1.83
11	19:55	1.00	1.116	1.00	174.55	100.00	0.698	0.400	1.75
12	26:02	1.00	0.892	1.00	52.85	50.00	2.116	2.002	1.06
13	9:13	1.00	0.923	1.00	122.91	50.00	3.553	1.445	2.46
14	9.31	1.00	0.953	1.00	210.59	50.00	4.702	1.116	4.21
15	9:53	1.01	0.990	1.01	99.12	50.00	2.382	1.202	1.98
16	10:01	1.00	1.003	1.00	90.02	50.00	2.382	1.323	1.80
17	11:09	1.00	1.117	1.00	105.92	50.00	1.563	0.738	2.12
18	12:53	1.00	0.974	1.00	3.54	50.00	0.015	0.212	0.07
19	13:08	1.00	0.992	1.00	121.17	50.00	0.631	0.260	2.42
20	14:44	1.00	1.113	1.00	187.01	50.00	0.957	0.256	3.74
21	17:26	1.00	0.977	1.00	1.85	50.00	0.049	1.331	0.04
22	17:56	1.00	1.005	1.00	90.34	50.00	1.724	0.954	1.81
23	18:09	1.00	1.017	1.00	130.31	50.00	0.371	0.142	2.61
24	18:25	1.00	1.032	1.00	93.61	50.00	0.568	0.303	1.87
25	21:22	1.00	0.984	1.00	218.65	50.00	0.754	0.172	4.37
26	23:24	1.00	1.078	1.00	123.00	50.00	1.760	0.715	2.46
27	25:34	1.00	0.876	1.00	62.07	50.00	2.690	2.167	1.24

004584

87163004MB Processed: 06-25-1987 22:41:20, segment 1 , cycle 18
Raw Data Stored in Files: D:E062318.HDR D:E062318.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



00168

004585

CHROMATOGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAM #T455

```
**********************************************************************
* Sample Name: 87163004MS  SMO# FD388MS          Operator Initials: SB  *
* Date:  06-23-1987 22:41:58 Method:IFB-PI-1     DATA FILE: D:E062318.PTB *
* Interface: I                Cycle#:  10        Channel#: 0   Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                            *
**********************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED I" *
*            Solvent Description: INJECTION VOLUME: 4 UL                *
*   Operating Conditions: 215C -- ISOTHERMAL WITH 35 MIN STOP           *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C      *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT *
**********************************************************************
Area reject:        100
Amount injected:        1.00                    Dilution factor:        1.00
```

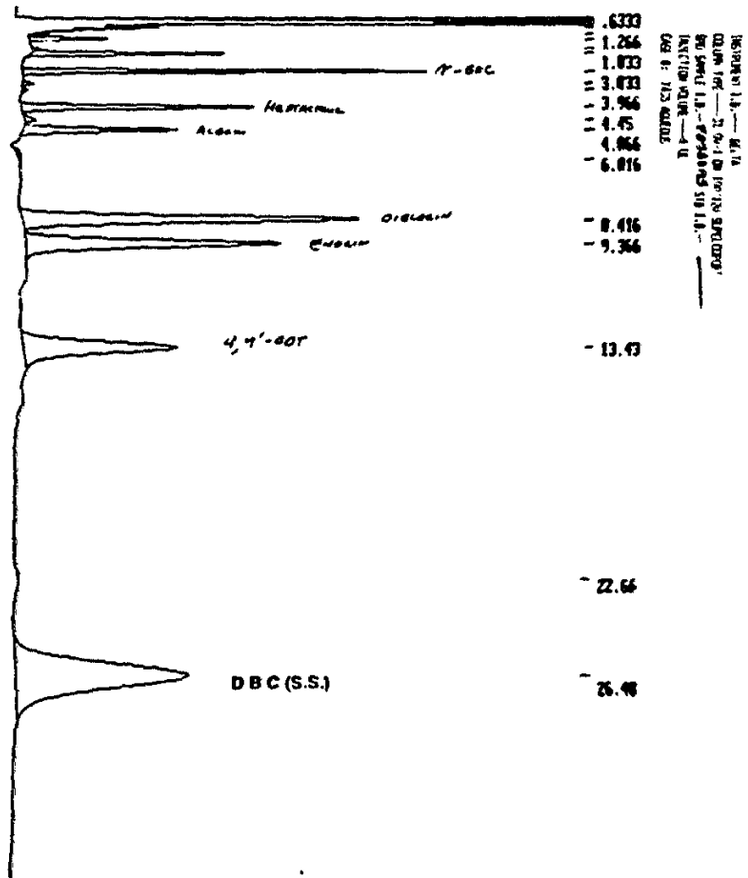
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONCI	AREA	HEIGHT	AREA/ HEIGHT RL		REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.53		0.0000	0.0000%	32530	12522	2.6	I			0.0000E+00
2	0.63		0.0000	0.0000%	99476	30970	3.2	I			0.0000E+00
3	1.00		0.0000	0.0000%	150	61	2.5	I			0.0000E+00
4	1.10		0.0000	0.0000%	13220	2923	4.5	I			0.0000E+00
5	1.32		0.0000	0.0000%	233	58	4.3	I			0.0000E+00
7	1.63		0.0000	0.0000%	299	62	5.0	I			0.0000E+00
8	1.78		0.0000	0.0000%	157	31	5.1	I			0.0000E+00
9	2.07	[illegible]	0.0016	0.0000%	630	77	10.7	I	0	-.0	1.9453E-06
10	2.35	[illegible]	0.0307	0.0000%	22195	3607	6.2	I	0	-.6493	2.2838E-06
11	2.75		0.0000	0.0000%	1109	240	4.6	I			0.0000E+00
12	3.12	HEPTACHLOR	0.0516	0.0000%	23467	2647	8.9	I	0	0	2.1889E-06
13	3.72	ALDRIN	0.0417	0.0000%	18137	1914	9.5	I	0	-.0484	2.2979E-06
14	4.73		0.0000	0.0000%	126	12	10.7	I			0.0000E+00
15	5.18	[illegible]	0.0039	0.0000%	1737	139	12.5	I	0	-1.092	2.2225E-06
16	5.78	[illegible]	0.0017	0.0000%	660	52	13.0	I	0	-1.429	2.5884E-06
17	7.02		0.0000	0.0000%	269	22	12.1	I			0.0000E+00
18	7.85	DIELDRIN	0.1560	0.0000%	64560	3322	19.4	I	0	-.4228	2.4284E-06
20	9.47	ENDRIN	264.4615	0.0000%	53333	2312	23.1	I	0	-.1906	4.9577E-03
21	10.33		0.0000	[illegible]	116	9	12.4	I			0.0000E+00
22	12.15		0.0000	0.0000%	446	17	23.3	I			0.0000E+00
23	13.03	4,4'-DDT	0.1790	0.0000%	48764	1549	31.5	I	0	-.3821	3.6681E-06
25	16.07		0.0000	0.0000%	322	21	24.4	I			0.0000E+00
28	21.62	DIBUTYLCHLORENDATE	0.6535	0.0000%	123110	2030	60.6	I	0	-.6130	5.3082E-06
29	34.92		0.0003	0.0000%	-494	7	-72.3	I			0.0000E+00

TOTAL AMOUNT = 0.0000

00169

004586

8716300AMG Processed: 06-29-1987 15:54:22, segment 7 , cycle 7
Raw Data Stored in Files: D:806297.HDR D:806297.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REFORM PROGRAM FOLLOWS

004587

00170

****** EXTERNAL STANDARD TABLE ******

CAN # 7435

```
*****************************************************************************
* Sample Name: 8716X004MS  SMO# FD308MS          Operator Initials: SG      *
* Date:  06-29-1987 15:55:24 Method: IFB-P2-1    DATA FILE: D:B06297.PTS    *
* Interface: 1                Cycle#:  7         Channel#: 0    Vial#: N.A. *
* Starting Peak Width:  10    Threshold:  .01                               *
*****************************************************************************
*  Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 2" *
*            Solvent Description: INJECTION VOLUME: 4 UL                    *
*   Operating Conditions: 205C -- ISOTHERMAL WITH 35 MIN STOP               *
*            Detector 0: ECD T=300C          Detector 1: IP T=250C          *
*     Misc. Information: 3% OV-1 ON 100/120 SUPELCOPORT                     *
*****************************************************************************
Area reject:        100
Amount injected:        1.00                    Dilution factor:        1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/UL	NORMALIZED CONC%	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.48		0.0000	0.0000%	203810	75397	2.7	1			0.0000E+00
2	0.63		0.0000	0.0000%	108434	31389	3.5	1			0.0000E+00
3	0.85		0.0000	0.0000%	1569	404	3.9	1			0.0000E+00
4	1.07		0.0000	0.0000%	284	88	3.2	1			0.0000E+00
5	1.27		0.0000	0.0000%	3816	660	5.8	1			0.0000E+00
6	1.63		0.0000	0.0000%	272	66	4.1	1			0.0000E+00
7	1.83		0.0000	0.0000%	13176	1961	6.7	1			0.0000E+00
8	2.55	gamma-BHC *	0.1432	0.0000%	22547	3476	6.5	1	0	.6570	6.3532E-06
9	3.03		0.0000	0.0000%	600	91	7.5	1			0.0000E+00
10	3.27		0.0000	0.0000%	307	39	8.0	1			0.0000E+00
11	3.97	HEPTACHLOR *	14.0312	0.0000%	19363	1989	9.7	1	0	-0.396	7.2464E-04
12	4.45		0.0006	0.0000%	930	93	10.0	1			0.0000E+00
13	4.87	ALDRIN *	3.7582	0.0000%	15171	1323	11.5	1	0	-6.045	2.4641E-04
14	6.02		0.0000	0.0000%	771	16	48.6	1			0.0000E+00
15	8.42	DIELDRIN *	0.0012	0.0000%	54363	2873	19.6	1	0	-.0373	2.0000E-08
16	9.37	ENDRIN *	0.1532	0.0000%	47874	2183	21.9	1	0	0	2.8224E-06
17	15.65	4,4'-DDT *	0.1912	0.0000%	42795	1310	32.6	1	0	0	3.5006E-06
18	22.67		0.0000	0.0000%	180	5	35.1	1			0.0000E+00
19	26.48	DIBUTYLCHLORENDATE	0.4519	0.0000%	109855	1484	71.3	1	0	.3156	4.2609E-06

TOTAL AMOUNT = 0.0000

00171

004588

Sample Number
FD388MSD

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: SAIC
Case No: 7435
Lab Sample ID No: IFB163005
QC Report No: 7435-6-011
Sample Matrix: Water
Contract No: 68-01-7143
Data Release Authorized By: E A Cunningham
Date Sample Received: 6-11-87

Volatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: N/A
Date Analyzed: 7-8-87
Conc/Dil Factor: 1 pH 7
Percent Moisture: (Not Decanted) N/A

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10 u
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	5 u
67-64-1	Acetone	10 u
75-15-0	Carbon Disulfide	5 u
75-35-4	1, 1-Dichloroethene	64
75-34-3	1, 1-Dichloroethane	5 u
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	10 u
71-55-6	1, 1, 1-Trichloroethane	5 u
56-23-5	Carbon Tetrachloride	5 u
108-05-4	Vinyl Acetate	10 u
75-27-4	Bromodichloromethane	5 u

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	5 u
10061-02-6	Trans-1, 3-Dichloropropene	5 u
79-01-6	Trichloroethene	44
124-48-1	Dibromochloromethane	5 u
79-00-5	1, 1, 2-Trichloroethane	5 u
71-43-2	Benzene	61
10061-01-5	cis-1, 3-Dichloropropane	5 u
110-75-8	2-Chloroethylvinylether	10 u
75-25-2	Bromoform	5 u
591-78-6	4-Methyl-2-Pentanone	10 u
108-10-1	2-Hexanone	10 u
127-18-4	Tetrachloroethene	5 u
79-34-5	1, 1, 2, 2-Tetrachloroethane	5 u
108-88-3	Toluene	51
108-90-7	Chlorobenzene	51
100-41-4	Ethylbenzene	5 u
100-42-5	Styrene	
	Total Xylenes	

004589

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report

00172

Laboratory Name SAIC

Case No 7435

Sample Number ED388MSD

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration (Low) Medium (Circle One)

Date Extracted/Prepared 6-17-87

Date Analyzed 7-8-87

Conc/Dil Factor 1

Percent Moisture NA

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☒Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	140
111-44-4	bis(2-Chloroethyl)Ether	10u
95-57-8	2-Chlorophenol	220
541-73-1	1,3-Dichlorobenzene	10u
106-46-7	1,4-Dichlorobenzene	94
100-51-6	Benzyl Alcohol	10u
95-50-1	1,2-Dichlorobenzene	↓
95-48-7	2-Methylphenol	↓
39638-32-9	bis(2-chloroisopropyl)Ether	↓
106-44-5	4-Methylphenol	↓
621-64-7	N-Nitroso-Di-n-Propylamine	110
67-72-1	Hexachloroethane	10u
98-95-3	Nitrobenzene	↓
78-59-1	Isophorone	↓
88-75-5	2-Nitrophenol	↓
105-67-9	2,4-Dimethylphenol	↓
65-85-0	Benzoic Acid	50u
111-91-1	bis(2-Chloroethoxy)Methane	10u
120-83-2	2,4-Dichlorophenol	10u
120-82-1	1,2,4-Trichlorobenzene	110
91-20-3	Naphthalene	10u
106-47-8	4-Chloroaniline	↓
87-68-3	Hexachlorobutadiene	↓
59-50-7	4-Chloro-3-Methylphenol	180
91-57-6	2-Methylnaphthalene	10u
77-47-4	Hexachlorocyclopentadiene	↓
88-06-2	2,4,6-Trichlorophenol	↓
95-95-4	2,4,5-Trichlorophenol	50u
91-58-7	2-Chloronaphthalene	10u
88-74-4	2-Nitroaniline	50u
131-11-3	Dimethyl Phthalate	10u
208-96-8	Acenaphthylene	10u
99-09-2	3-Nitroaniline	50u

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	94
51-28-5	2,4-Dinitrophenol	50u
100-02-7	4-Nitrophenol	150
132-64-9	Dibenzofuran	10u
121-14-2	2,4-Dinitrotoluene	100
606-20-2	2,6-Dinitrotoluene	10u
84-66-2	Diethylphthalate	↓
7005-72-3	4-Chlorophenyl-phenylether	↓
86-73-7	Fluorene	↓
100-01-6	4-Nitroaniline	50u
534-52-1	4,6-Dinitro-2-Methylphenol	50u
86-30-6	N-Nitrosodiphenylamine (1)	10u
101-55-3	4-Bromophenyl-phenylether	↓
118-74-1	Hexachlorobenzene	↓
87-86-5	Pentachlorophenol	210
85-01-8	Phenanthrene	10u
120-12-7	Anthracene	10u
84-74-2	Di-n-Butylphthalate	130
206-44-0	Fluoranthene	10u
129-00-0	Pyrene	56
85-68-7	Butylbenzylphthalate	10u
91-94-1	3,3'-Dichlorobenzidine	20u
56-55-3	Benzo(a)Anthracene	10u
117-81-7	bis(2-Ethylhexyl)Phthalate	↓
218-01-9	Chrysene	↓
117-84-0	Di-n-Octyl Phthalate	↓
205-99-2	Benzo(b)Fluoranthene	↓
207-08-9	Benzo(k)Fluoranthene	↓
50-32-8	Benzo(a)Pyrene	↓
193-39-5	Indeno(1,2,3-cd)Pyrene	↓
53-70-3	Dibenz(a,h)Anthracene	↓
191-24-2	Benzo(g,h,i)Perylene	↓

(1)-Cannot be separated from diphenylamine

004590

Laboratory Name SAIC

Case Number 7435

Sample Number
FD386MSD

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCB's

Concentration (Low) Medium (Circle One)
Date Extracted/Prepared 6-11-87
Date Analyzed 6-25-87
Conc/Dil Factor 1.0
Percent Moisture (decanted) NA

GPC Cleanup __Yes
Separatory Funnel Extraction ✓ Yes
Continuous Liquid-Liquid Extraction __Yes

CAS Number		UG/L	
319-84-6	Alpha-BHC	0.05 U	
319-85-7	Beta-BHC	0.05 U	
319-86-8	Delta-BHC	0.05 U	
58-89-9	Gamma-BHC(Lindane)	~~0.05 U~~	SPIKED
76-44-8	Heptachlor	~~0.05 U~~	SPIKED
309-00-2	Aldrin	~~0.05 U~~	SPIKED
1024-57-3	Heptachlor Epoxide	0.05 U	
959-98-8	Endosulfan I	0.05 U	
60-57-1	Dieldrin	~~0.10 U~~	SPIKED
72-55-9	4,4'-DDE	0.10 U	
72-20-8	Endrin	~~0.10 U~~	SPIKED
3321-65-9	Endosulfan II	0.10 U	
72-54-8	4,4'-DDD	0.10 U	
7421-93-4	Endrin Aldehyde	0.10 U	
1031-07-8	Endosulfan Sulfate	0.10 U	
50-29-3	4,4'DDT	~~0.10 U~~	SPIKED
72-43-5	Methoxychlor	0.50 U	
53494-70-5	Endrin Ketone	0.10 U	
57-74-9	Chlordane	0.50 U	
8001-35-2	Toxaphene	1.0 U	
12674-11-2	Aroclor-1016	0.50 U	
11104-28-2	Aroclor-1221	0.50 U	
11141-16-5	Aroclor-1232	0.50 U	
53469-21-9	Aroclor-1242	0.50 U	
12672-11-2	Aroclor-1248	0.50 U	
11097-69-1	Aroclor-1254	1.0 U	
11096-82-5	Aroclor-1260	1.0 U	

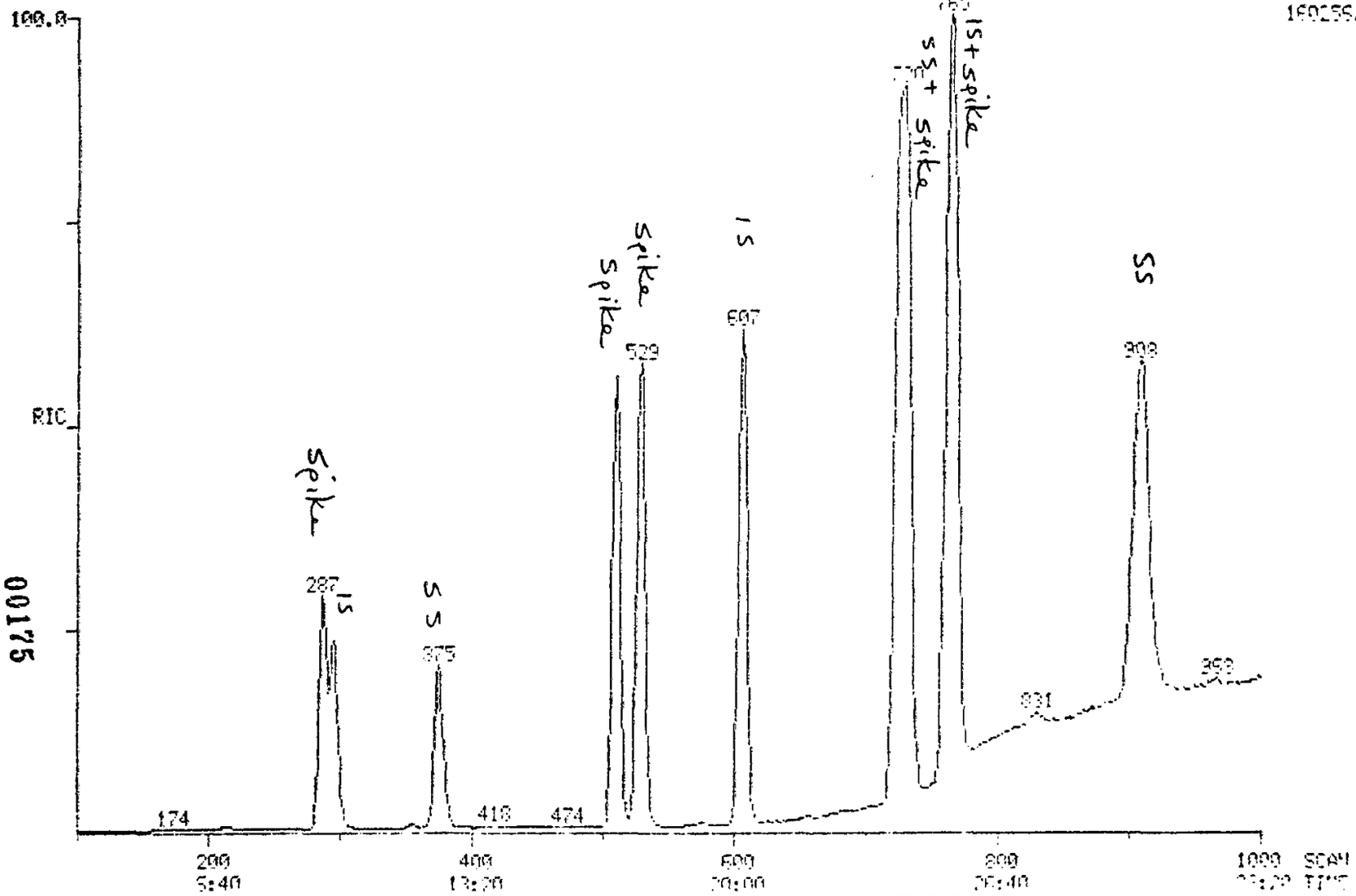
Vi = Volume of extract injected (ul)
Vs = Volume of water extracted (ml)
Ws = Weight of sample extracted (g)
Vt = Volume of total extract (ul)

Vs 500 or Ws _____ Vt 5000 Vi 4

Form 1

RIC DATA: IFB163005 #1 SCANS 100 TO 1000
05/15/87 14:04:00 CALI: FCJUN15 #106
SAMPLE: 87-163005,7435,FD 388 MSD.UGA,H2O,5MLS
CONDS.: 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: W 20, 3

160155.



004592

QUANTITATION REPORT FILE VTEMP

DATA IFB-163005 11
02/15/87 14:03:06
SAMPLE 87-163005,7435,FB 300 MSD,VOA,HPO,SNLS
COND. 45 DG FOR 3MIN,8.0 DG/MIN TO 200 DG,HOLD
STANDARD ID V50JUN15 INSTRUMENT: FINN
SENSITIVITY ID. BJUN15 ANALYST. TL INST CAL1 FIN2

AMOUNT=AREA * REF AMNT/(REF.AREA)* RESP.FACT)
RESP FAC FROM LIBRARY ENTRY

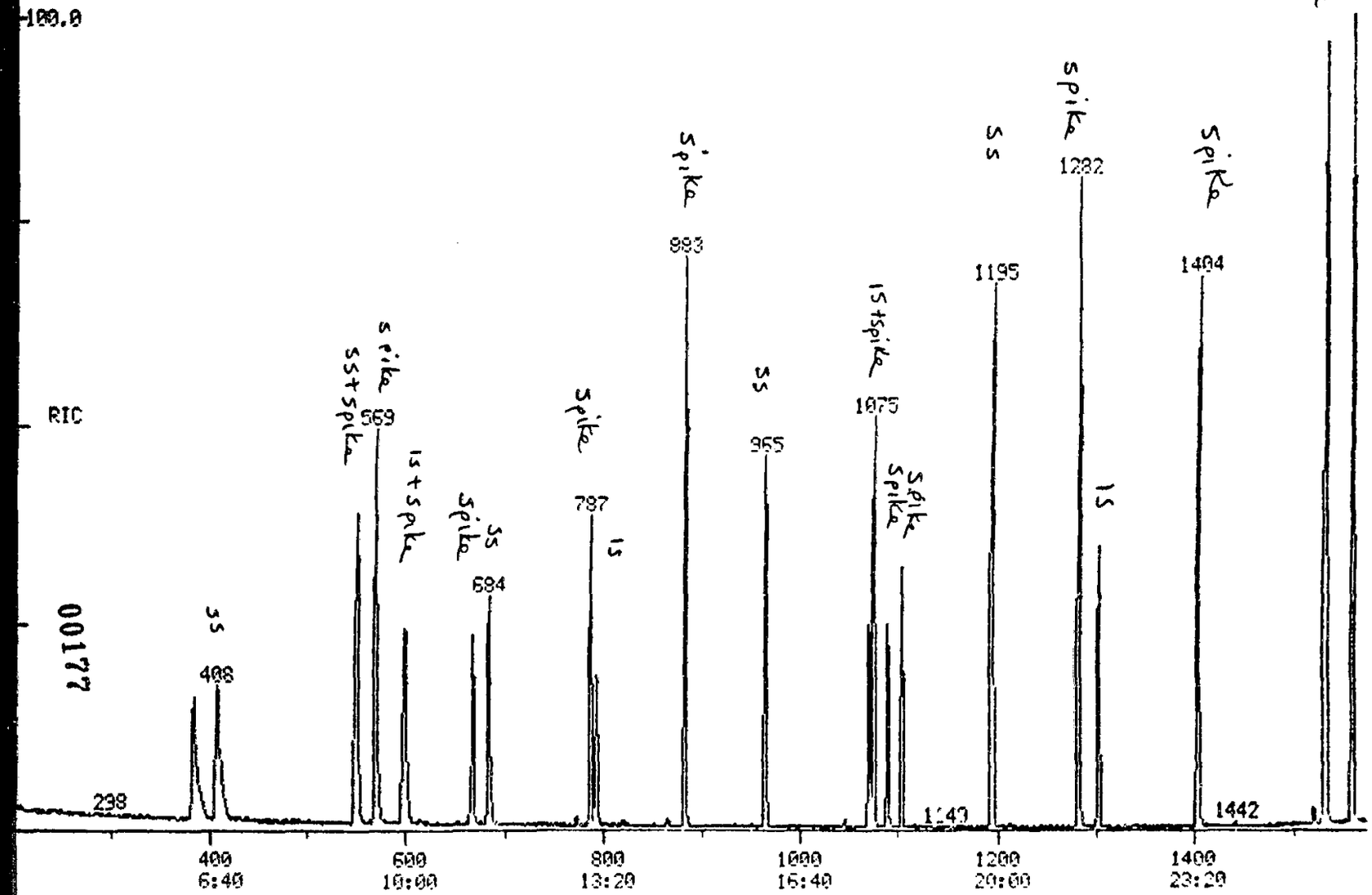
NO	NAME
1	IS1** BROMOCHLOROMETHANE (VX#1)
2	IS2** 1,4-DIFLUOROBENZENE (VX#17)
3	IS3** CHLOROBENZENE-D5 (VX#34)
4	SS1 1,2-DICHLOROETHANE-D4 (VX#14)
5	SS2 TOLUENE-D8 (VX#45)
6	SS3 BROMOFLUOROBENZENE(VX#48)
7	29V 1,1-DICHLOROETHYLENE (VX#9)
8	87V TRICHLOROETHYLENE (VX#25)
9	4V BENZENE (VX#28)
10	86V TOLUENE (VX#39)
11	7V CHLOROBENZENE (VX#40)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	295	9.50	1	1.000	A BB	42827.	50.000 **	8.74
2	114	606	20:12	2	1.000	A BB	367247.	50.000 **	8.74
3	117	762	25:24	3	1.000	A BB	271424.	50.000 **	8.74
4	65	375	12:30	1	1.271	A BB	97023.	50.943 **	8.90
5	98	724	24:08	3	0.951	A BB	381621.	49.729 **	8.69
6	95	919	30:18	3	1.192	GEDT	223433.	49.578 **	8.66
7	96	287	9:34	1	0.970	A BB	69756.	64.241 **	11.23
8	130	510	17:00	2	0.842	A BB	128250.	44.047 **	7.70
9	78	529	17:38	2	0.872	A BB	331181.	60.762 **	10.62
10	92	731	24:22	3	0.959	A BB	261602	51.464 **	8.99
11	112	767	25:34	3	1.007	A BB	329993.	51.471 **	8.99

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9.46	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:22	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:24	1.01	1.270	1.00	50.94	50.00	2.265	2.224	1.02
5	24:08	1.00	0.951	1.00	49.73	50.00	1.406	1.414	0.99
6	30:14	1.00	1.192	1.00	49.58	50.00	0.823	0.830	0.99
7	9:28	1.01	0.969	1.00	64.24	50.00	1.629	1.268	1.28
8	16:56	1.00	0.841	1.00	44.05	50.00	0.350	0.397	0.88
9	17:34	1.00	0.871	1.00	60.76	50.00	0.902	0.742	1.22
10	24:20	1.00	0.959	1.00	51.46	50.00	0.964	0.936	1.03
11	25:32	1.00	1.007	1.00	51.47	50.00	1.216	1.181	1.03

004593

RIC DATA: IFB163005 #1 SCANS 200 TO 1575
07/08/87 15:47:00 CALI: FCJULY8 #81 OUT OF 200 TO 2950
SAMPLE: 87163005,7435,FD388(MSD),BNA,H2O MATRIX SPIKE DUP.
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



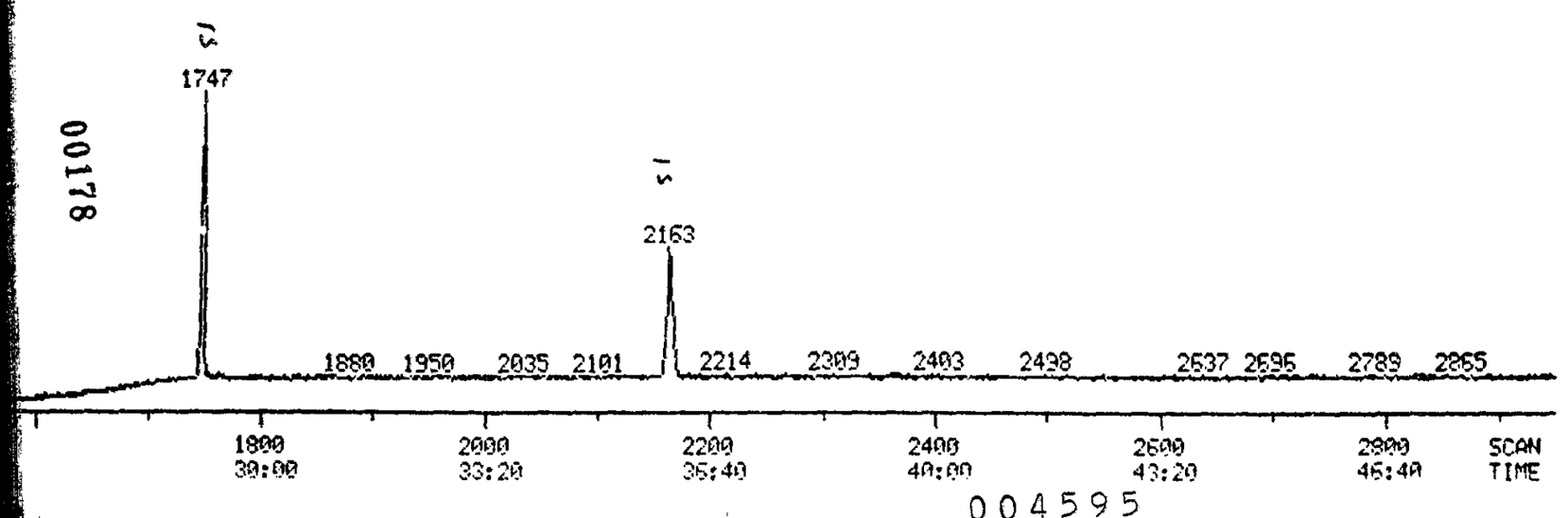
00177

004594

004594

RIC DATA: IFB163005 #1 SCANS 1575 TO 2950
07/08/87 15:47:00 CALI: FCJULY8 #81 OUT OF 200 TO 2950
SAMPLE: 87163005,7435,FD388(MSD),BNA,H2O MATRIX SPIKE DUP.
CONDS.: 40DG FOR 4MIN THEN 270 AT 10DG/MIN
RANGE: G 1,2950 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

454836.



00178

004595

004595

SAMPLE IFB163005 QUANTITATED USING RESP. FACTORS FROM SBNA50

QUANTITATION REPORT FILE: TEMP

DATA IFB163005.T1
07/08/87 15:47:00
SAMPLE: 87163005,7435,FD388(MSD),BNA,H2O MATRIX SPIKE DUP.
CONDS : 40DG FOR 4MIN THEN 270 AT 10DG/MIN
STANDARD ID: INSTRUMENT: FINN1
SENSITIVITY ID: DFJUL8 ANALYST: RJT INST CALI: FCJULY8

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	IS1** D4-1,4-DICHLOROBENZENE (DC#1 INTERNAL STD #1)
2	IS2** D8-NAPHTHALENE (DC#20 INTERNAL STD #2)
3	IS3** D10-ACENAPHTHENE (DC#37 INTERNAL STD #3)
4	IS4** D10-PHENANTHRENE (DC#60 INTERNAL STD #4)
5	IS5** D12-CHRYSENE (DC#72 INTERNAL STD #5)
6	IS6** D12-PERYLENE (DC#83 INTERNAL STD #6)
7	SS1 D5-PHENOL (DC#16 ACID SURROGATE)
8	SS2 2-FLUOROPHENOL (DC#17 ACID SURROGATE)
9	SS3 D5-NITROBENZENE (DC#34 B/N SURROGATE)
10	SS4 2-FLUOROBIPHENYL (DC#56 B/N SURROGATE)
11	SS5 2,4,6-TRIBROMOPHENOL (DC#57 S.S.)
12	SS6 D14-P-TER PHENYL (DC#80 S.S.)
13	65A PHENOL (DC#3)
14	24A 2-CHLOROPHENOL (DC#6)
~~15~~	~~26B 1,3-DICHLOROBENZENE (DC#7)~~ wrong isomer
16	27B 1,4-DICHLOROBENZENE (DC#8)
17	63B N-NITROSODI-N-PROPYLAMINE (DC#14)
~~18~~	~~31A 2,4-DICHLOROPHENOL (DC#27)~~ poor fit
19	8B 1,2,4-TRICHLOROBENZENE (DC#28)
20	22A 4-CHLORO-3-METHYL PHENOL (DC#32)
~~21~~	~~77B ACENAPHTHYLENE (DC#44)~~ poor fit
22	1B ACENAPHTHENE (DC#46)
23	58A 4 NITROPHENOL (DC#48)
24	35B 2,4-DINITROTOLUENE (DC#50)
25	64A PENTACHLOROPHENOL (DC#65)
26	68B DI-N-BUTYL PHTHALATE (DC#68)
27	84B PYRENE (DC#74)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	597	9:57	1	1.000	A?BV	25164.	40.000	**	1.46
2	136	792	13:12	2	1.000	A BB	104705.	40.000	**	1.46
3	164	1070	17:50	3	1.000	A BB	69938.	40.000	**	1.46
4	188	1302	21:42	4	1.000	A BB	159354.	40.000	**	1.46
5	240	1747	29:07	5	1.000	A BB	225293.	40.000	**	1.46
6	264	2164	36:04	6	1.000	A BB	162147.	40.000	**	1.46
7	99	549	9:09	1	0.920	A BB	98382.	126.747	**	4.64
8	112	408	6:48	1	0.683	A BB	116839.	178.872	**	6.55
9	82	684	11:24	2	0.864	A BB	103630.	116.664	**	4.27
10	172	965	16:05	3	0.902	A BB	187799.	86.199	**	3.15
11	330	1195	19:55	3	1.117	A BB	149604.	214.037	**	7.83
12	244	1560	26:00	5	0.893	A BB	514468.	45.629	**	1.67
13	94	551	9:11	1	0.923	A BB	124370.	136.774	**	5.01
14	128	569	9:29	1	0.953	A BB	157470.	224.204	**	8.21
~~15~~	~~146~~	~~600~~	~~10:00~~	~~1~~	~~1.005~~	~~A BB~~	~~78716.~~	~~104.139~~	~~**~~	~~3.81~~
16	146	600	10:00	1	1.005	A BB	78716.	94.580	**	3.46
17	70	667	11:07	1	1.117	A BB	52753.	113.649	**	4.16

004596

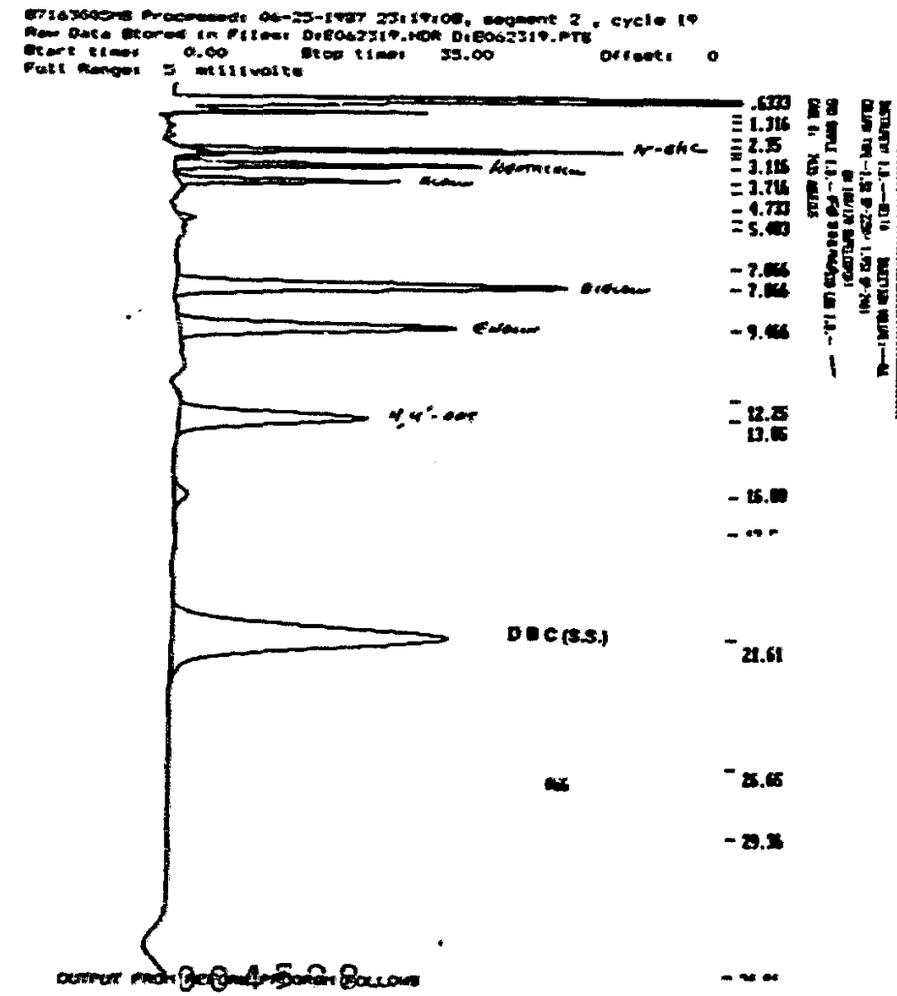
00179

004596

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
~~18~~	~~182~~	~~772~~	~~12:52~~	~~2~~	~~0.975~~	~~A BB~~	~~2443.~~	~~4.400~~	~~**~~	~~0.18~~
19	180	787	13:07	2	0.994	A BB	78010.	114.406	**	4.19
20	107	863	14:43	2	1.115	A BB	121255.	180.952	**	6.62
~~21~~	~~152~~	~~1046~~	~~17:26~~	~~3~~	~~0.978~~	~~A BB~~	~~5342.~~	~~2.296~~	~~**~~	~~0.08~~
22	153	1075	17:55	3	1.005	A BB	156219.	93.662	**	3.43
23	139	1089	18:09	3	1.018	A BB	38458.	154.702	**	5.66
24	89	1105	18:25	3	1.033	A BB	55014.	103.738	**	3.80
25	266	1282	21:22	4	0.985	A?BB	142600.	207.691	**	7.60
26	149	1404	23:24	4	1.078	A BB	377473.	132.430	**	4.85
27	202	1533	25:33	5	0.878	A?BB	688396.	56.412	**	2.06

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R FAC	R.FAC(L)	RATIO
1	9:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:11	1.00	0.920	1.00	126.75	100.00	1.564	1.234	1.27
8	6:52	0.99	0.688	0.99	178.87	100.00	1.857	1.038	1.79
9	11:25	1.00	0.863	1.00	116.66	50.00	0.792	0.339	2.33
10	16:06	1.00	0.902	1.00	86.20	50.00	2.148	1.246	1.72
11	19:55	1.00	1.116	1.00	214.04	100.00	0.856	0.400	2.14
12	26:02	1.00	0.892	1.00	45.63	50.00	1.827	2.002	0.91
13	9:13	1.00	0.923	1.00	136.77	50.00	3.954	1.445	2.74
14	9:31	1.00	0.953	1.00	224.20	50.00	5.006	1.116	4.48
15	9:53	1.01	0.990	1.02	104.14	50.00	2.502	1.202	2.08
16	10:01	1.00	1.003	1.00	94.59	50.00	2.502	1.323	1.89
17	11:09	1.00	1.117	1.00	113.65	50.00	1.677	0.738	2.27
18	12:53	1.00	0.974	1.00	4.40	50.00	0.019	0.212	0.09
19	13:08	1.00	0.992	1.00	114.41	50.00	0.596	0.260	2.29
20	14:44	1.00	1.113	1.00	180.95	50.00	0.926	0.256	3.62
21	17:26	1.00	0.977	1.00	2.30	50.00	0.061	1.331	0.05
22	17:56	1.00	1.005	1.00	93.66	50.00	1.787	0.954	1.87
23	18:09	1.00	1.017	1.00	154.70	50.00	0.440	0.142	3.09
24	18:25	1.00	1.032	1.00	103.74	50.00	0.629	0.303	2.07
25	21:22	1.00	0.984	1.00	207.69	50.00	0.716	0.172	4.15
26	23:24	1.00	1.078	1.00	132.43	50.00	1.895	0.715	2.65
27	25:34	1.00	0.876	1.00	56.41	50.00	2.444	2.167	1.13

004597


Start time: 0.00
Stop time: 35.00
Offset: 0
Full Range: 5 millivolts
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1.316
2.35
3.116
3.716
4.733
5.483
7.866
7.866
9.466
12.25
13.85
15.80
21.61
25.65
29.36
DBC(S.S.)

00181

[illegible] HIGH RETURN PROGRAM FOLLOWS

****** EXTERNAL STANDARD TABLE ******

CAS# 7439

```
* Sample Name: 8716300PM30 8H08 FD308M5D          Operator Initials: SB          *
* Date:  06-23-1987 23:19:46 Method: IP8-PI-1      DATA FILE: D:E062319.FTB       *
* Interface: 1              Cycle#:  19            Channel#: 0     Vial#: N.A.    *
* Starting Peak Width:  10   Threshold:  .01                                      *
*  Instrument Type: HP 3730A DELTA          Column Type: 6FT X 4MM "PACKED 1"    *
*            Solvent Description: INJECTION VOLUME: 4 UL                          *
*   Operating Conditions: 213C -- ISOTHERMAL WITH 35 MIN STOP                     *
*          Detector 0: ECD T=300C            Detector 1: IP T=250C                *
*     Misc. Information: 1.5% SP-2250/ 1.95% SP-2401 ON 100/120 SUPELCOPORT      *
Area reject:       100
Amount injected:       1.00                Dilution factor:       1.00
```

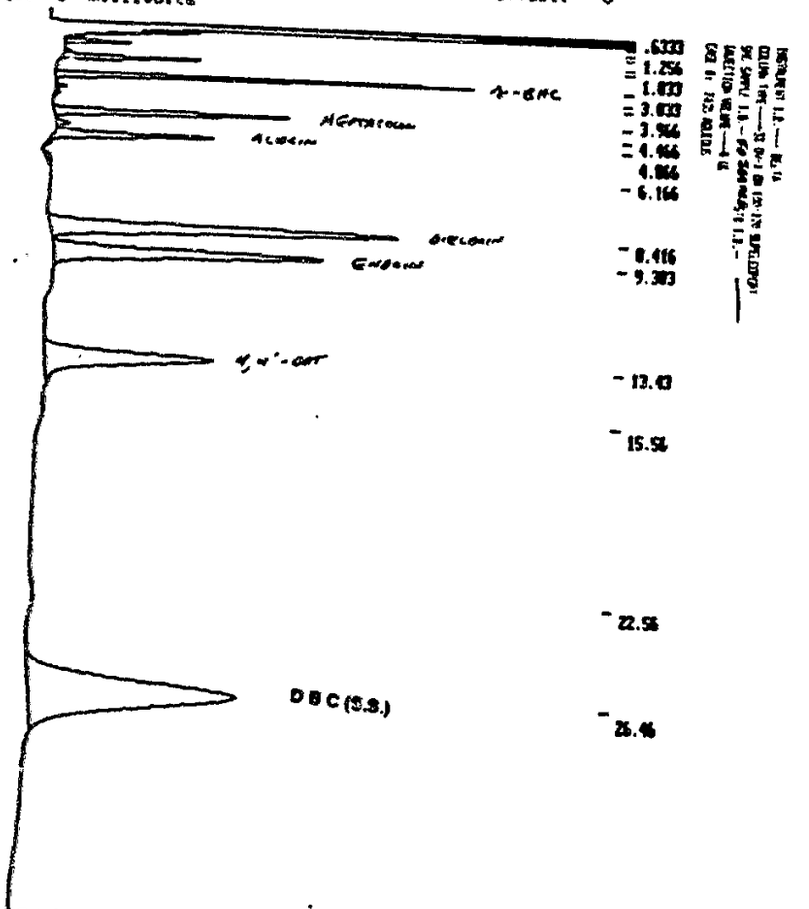
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ng/uL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT RATIO	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.55		0.0000	0.0000E	23376	9971	2.3	1			0.0000E+00
2	6.63		0.0000	0.0000E	99930	38204	2.5	1			0.0000E+00
3	6.80		0.0000	0.0000E	7869	1817	4.3	1			0.0000E+00
5	1.32		0.0000	0.0000E	268	63	4.3	1			0.0000E+00
7	1.66		0.0000	0.0000E	283	54	5.1	1			0.0000E+00
8	2.48		0.0000	0.0000E	777	75	10.6	1			0.0000E+00
9	2.55		0.0000	0.0000E	232	29	8.1	1			0.0000E+00
10	2.57	[illegible]	0.0500	0.0000E	23670	3671	6.5	1	0	0	2.7030E-06
11	2.73		0.0000	0.0000E	476	104	4.7	1			0.0000E+00
12	2.82	[illegible]	0.0300	0.0000E	23226	2602	8.9	1	0	0	2.1809E-06
13	3.32	[illegible]	0.0400	0.0000E	18020	1884	9.6	1	0	-.0460	2.2979E-06
14	4.45		0.0000	0.0000E	633	26	24.3	1			0.0000E+00
15	4.93		0.0000	0.0000E	136	19	8.2	1			0.0000E+00
16	5.10	[illegible]	0.0400	0.0000E	1010	122	11.6	1	0	-1.892	2.7223E-06
17	5.46		0.0000	0.0000E	176	22	8.2	1			0.0000E+00
19	7.87		0.0000	0.0000E	107	10	10.7	1			0.0000E+00
20	7.97	[illegible]	0.1366	0.0000E	16486	3330	19.3	1	0	-.2114	2.4284E-06
22	9.47	[illegible]	366.0906	0.0000E	23673	2341	22.9	1	0	-.1406	6.9277E-05
23	12.15		0.0000	0.0000E	490	13	36.7	1			0.0000E+00
24	12.60	[illegible]	0.1877	0.0000E	30740	1399	21.8	1	0	-.2367	2.6083E-06
26	16.88		0.0000	0.0000E	3796	106	26.0	1			0.0000E+00
27	17.39		0.0000	0.0000E	198	7	19.4	1			0.0000E+00
28	22.62	[illegible]	0.7360	0.0000E	120861	2342	51.3	1	0	-.6030	2.3903E-06
32	26.63		0.0000	0.0000E	102	6	17.0	1			0.0000E+00
34	29.27		0.0000	0.0000E	101	7	14.9	1			0.0000E+00
39	34.02		0.0000	0.0000E	-231	9	-25.4	1			0.0000E+00

[illegible] = 0.0000

00182

004599

8716300GMS Processed: 06-29-1987 16:31:51, segment 8 , cycle 8
Raw Data Stored in Files: D:806298.HDR D:806298.PTS
Start time: 0.00 Stop time: 35.00 Offset: 0
Full Range: 5 millivolts



OUTPUT FROM REPORM PROGRAM FOLLOWS

004600

00183

****** EXTERNAL STANDARD TABLE ******

CALC #7115

```
* Sample Name: 87163005MSD    SMO# FD388MSD        Operator Initials: SG
* Date:  06-29-1987 16:32:53 Method: IFR-P2-1      DATA FILE: D:B06298.PTS
* Interface: 1                Cycle#:  8           Channel#: 0     Vial#: N.A.
* Starting Peak Width:  10    Threshold:  .01
* Instrument Type: HP 5730A DELTA          Column Type: 6FT X 4MM "PACKED 2"
*          Solvent Description: INJECTION VOLUME: 4 UL
*  Operating Conditions: 205C -- ISOTHERMAL WITH 35 MIN STOP
*          Detector 0: ECD T=300C          Detector 1: IP T=250C
*    Misc. Information: 3% OV-1 ON 100/120 SUPELCOPORT
Area reject:      100
Amount injected:      1.00                Dilution factor:      1.00
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in NG/ML	NORMALIZED CONCE	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/NGLS
1	0.40		0.0000	0.0000%	142933	51069	2.8 1			0.0000E+00
2	0.63		0.0000	0.0000%	108278	30976	3.5 1			0.0000E+00
3	0.85		0.0000	0.0000%	2098	491	4.3 1			0.0000E+00
4	1.07		0.0000	0.0000%	285	83	3.4 1			0.0000E+00
5	1.25		0.0000	0.0000%	3154	554	5.7 1			0.0000E+00
6	1.62		0.0000	0.0000%	237	34	6.6 1			0.0000E+00
7	1.83		0.0000	0.0000%	7060	5162	6.0 1			0.0000E+00
8	2.35 gamma-BHC		0.1464	0.0000%	23050	3537	6.5 1	0	.6578	6.2332E-06
9	3.03		0.0000	0.0000%	613	83	7.4 1			0.0000E+00
10	3.27		0.0000	0.0000%	348	40	8.6 1			0.0000E+00
11	3.97 HEPTACHLOR		14.1062	0.0000%	19467	1909	9.0 1	0	-0.396	7.2464E-06
12	4.47		0.0000	0.0000%	1073	106	10.1 1			0.0000E+00
13	4.87 ALDRIN		3.9947	0.0000%	16212	1320	12.0 1	0	-0.545	2.4681E-06
14	6.17		0.0000	0.0000%	1042	11	91.9 1			0.0000E+00
15	8.42 DIELDRIN		0.0012	0.0000%	57759	2945	19.6 1	0	-.0395	2.0000E-00
16	9.30 endrin		0.1400	0.0000%	49308	2270	21.8 1	0	.1779	2.0236E-06
18	13.43 4,4 -DDT		0.1657	0.0000%	46793	1423	32.9 1	0	0	3.5406E-06
19	15.57 endrin-aldehyde		0.0015	0.0000%	383	19	20.1 1	0	0	4.0077E-06
20	22.57		0.0000	0.0000%	179	7	25.9 1			0.0000E+00
21	26.47 DIBUTYLCHLORENDATE		0.5200	0.0000%	121013	1759	69.3 1	0	.2525	4.2609E-06
		TOTAL AMOUNT =	0.0000							