II. QC SUMMARY

CASE NO. URS [redacted] May 1986 Sediments

A. Surrogate Percent Recovery Summary (Form II)
B. Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III)
C. Method Blank Summary (Form IV)
D. GC/MS Tuning and Calibration Standard (Form V)
   1. DFTPP in chronological order; by instrument.
   2. BFB in chronological order, by instrument.

A. WATER AND SOIL SURROGATE PERCENT RECOVERY SUMMARY (FORM II)

These forms are used for reporting the Surrogate Spike Recovery (SSR) results for all samples, blanks, matrix spikes, and matrix spike duplicates (MS/MSD). Complete the header information including Case number, laboratory contractor name, and contract number. Soil samples require a concentration level (low or medium). The laboratory must report all low concentration values on one form and medium level on a separate form. Do not mix low and medium samples.

Complete the data summary portion beginning with the Sample Management Office (SMO) traffic number. In order to facilitate computerized data entry, it is necessary to use the following sample suffixes:

XXXXX	=	SMO sample traffic number
XXXXXMS	=	indicates matrix spike sample
XXXXXMSD	=	indicates matrix spike duplicate sample
XXXXXRE	=	indicates reextracted sample

The laboratory must report all method blanks on these forms. Each method blank (fraction specific) must be identified by the individual file ID (this number will be unique to each analysis for each laboratory). The laboratory file ID will be the same used on the Method Blank Summary (Form IV) and the GC/MS Tuning and Calibration Standard (Form V). Report the laboratory file ID in the column marked SMO Traffic Number.

Use the following codes for individual surrogate fields:

(DL)	=	indicates no recovery values because surrogates were diluted out. Also, address in comments section of appropriate form.
(NR)	=	no value required. Use this code for fractions not required due to reanalysis or where SMO deleted a specific analysis (changes authorized by SMO in the IFB Protocol must be addressed in Case Narrative), or when more than one sample is used for the matrix spike/matrix spike duplicate analysis.

SSR results are recorded in the appropriate spaces and any results outside of QC recovery limits shall be annotated with an asterisk. The asterisked values are summarized at the bottom of the form. It is the contractor laboratory's responsibility to document reinjection, reanalysis, or other corrective action taken when spike recovery values are outside of the contract required recovery limits.

Two columns on the form are provided to report optional surrogates if used.

SOIL SURROGATE PERCENT RECOVERY SUMMARY

Case No. URS WEST Contractor CompuChem Laboratories Contract No. Platinum

Low XXX Medium _____

	Volatile			Semi-Volatile							Pesticide
SMO Traffic No.	Toluene D8 (81-117)	BFB (74-121)	1,2 Dichloro Ethane-D4 (70-121)	Nitro Benzene-D5 (23-120)	2-Fluoro Biphenyl (30-115)	Terphenyl D14- (18-137)	D10-Pyrene (Lab Optional)	Phenol-D5 (24-113)	2-Fluoro-Phenol (25-121)	2,4,6,Tribromo Phenol (19-122)	Dibutyl Chlorendate (20-150)**
A-SEDIMENT	93	95	96	35	59	47	41	34	40	27	108
B-SEDIMENT	94	95	98	63	62	57	56	66	68	38	99
C-SEDIMENT	94	96	92	54	92	73	77	81	81	60	91
D-SEDIMENT	89	89	89	62	58	53	50	61	59	36	119
E-SEDIMENT	85	85	90	80	83	74	75	88	89	76	103
F-SEDIMENT	100	99	100	74	72	69	64	71	70	63	72
G-SEDIMENT	98	101	96	71	84	77	75	72	79	48	85
H-SEDIMENT	104	103	97	95	106	91	93	92	85	94	92

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 24; outside of QC limits
Semi-Volatile 0 out of 48; outside of QC limits
Pesticides: 0 out of 8; outside of QC limits

Comments: _____

FORM II

Form II. Surrogate Percent Recovery Summary (soil)

Case No. URS WEST Contractor CompuChem Laboratories Contract No. Platinum

Low XXX Medium

	[Volatile]			[Semi-Volatile]							[Pesticide]
SMO Traffic No.	Toluene D8 (81-117)	BFB (74-121)	1,2 Dichloro Ethane-D4 (70-121)	Nitro Benzene-D5 (23-120)	2-Fluoro Biphenyl (30-115)	Terphenyl D14- (18-137)	D10-Pyrene (Lab Optional)	Phenol-D5 (24-113)	2-Fluoro-Phenol (25-121)	2,4,6,Tribromo Phenol (19-122)	Dibutyl Chlorendate (20-150)**
A-SEDIM-MS	101	98	83	NR	NR	NR	NR	NR	NR	NR	NR
B-SEDIM-MSD	100	95	87	NR	NR	NR	NR	NR	NR	NR	NR
E-SEDIM-MS	NR	NR	NR	66	68	61	59	66	70	46	NR
E-SEDIM-MSD	NR	NR	NR	78	78	73	67	73	77	63	NR
84996-BS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	121
F-SEDIM-MS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	95
F-SEDIM-MSD	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	134
85028-B	101	102	102	NR	NR	NR	NR	NR	NR	NR	NR
85102-B	NR	NR	NR	65	76	78	78	68	66	54	101

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles:	0 out of	9; outside of QC limits
Semi-Volatile	0 out of	18; outside of QC limits
Pesticides:	0 out of	4; outside of QC limits

Comments:

FORM II

Form II. Surrogate Percent Recovery Summary (soil)

SOIL SURROGATE PERCENT RECOVERY SUMMARY

INSTRUMENT BLANK

Case No. URS WEST Contract Laboratory COMPUCHEM Contract No. PLATINUM

Low XX Medium

	VOLATILE								SEMI-VOLATILE				PESTICIDE
SMO TRAFFIC NO.	TOLUENE-D8 (81-117)	BFB (74-121)	1,2 DICHLOROETHANE-D4 (70-121)	NITRO-BENZENE-D5 (23-120)	2-FLUORO-BIPHENYL (30-115)	TERPHENYL-D14 (18-137)			PHENOL-D6 (24-113)	2-FLUORO-PHENOL (25-121)	2,4,6 TRIBROMO-PHENOL (19-122)	DIBUTYL-CHLORENDATE ** 120-150
GBB60507BIB	94	97	89	NR	NR	NR			NR	NR	NR	NR
GBB60515AIB	100	101	97	NR	NR	NR			NR	NR	NR	NR
GBB60516C18	95	96	94	NR	NR	NR			NR	NR	NR	NR
(QB) GBB60516BIB	~~102~~	~~101~~	~~100~~	NR	NR	NR			NR	NR	NR	NR
GBB60516BIB	89	97	86	NR	NR	NR			NR	NR	NR	NR
GB860520C18	97	99	91	NR	NR	NR			NR	NR	NR	NR
B-860616	114	121	105	NR	NR	NR			NR	NR	NR	NR
B-852520	NR	NR	NR	NR	NR	NR			NR	NR	NR	98

* VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

** ADVISORY LIMITS ONLY

Volatiles: 0 out of 2418 ; outside of QC limits

Semi-Volatiles: 0 out of 0 ; outside of QC limits

Pesticides: 0 out of 1 ; outside of QC limits

7/85

Comments:

FORM II

B. MATRIX SPIKE/MATRIX SPIKE DUPLICATES RECOVERY SUMMARY (FORM III)

This form is used for reporting matrix spike and matrix spike duplicate (MS/MSD) percent recovery results and the relative percent difference (RPD) between the two analyses.

Complete the header information including Case number, contractor laboratory name, contract number, units, and level of analysis for soil/sediment samples. Since MS/MSD analysis is required per matrix type (water or soil), concentration level, and number of samples, it is necessary to complete this form for every MS/MSD analysis performed (see Exhibit E). List the SMO sample number used for each freaction (the same sample should be used for all fractions if sufficient sample is available) if not available, it is permissible to do a MS/MSD per fraction VOA, BNA, Pesticide. When more than one sample is used to perform the MS/MSD analysis, report the surrogate spike informtion on the Surrogate Spike Percent Recovery Summary (Form II) by fraction (specify the SMO sample number used for each fraction and the surrogate recovery information for that sample and fraction.

Report the amount of matrix spike spiking solution added in ug/l or ug/kg in the column marked "Conc Spike added."

Report sample results for all matrix spike compounds. If a matrix spike compound was not detected during sample analyses, enter a zero (0) in the appropriate box. Calculate and report the concentration and percent recovery (see Exhibit E) for each spiking compound in the matrix spike sample and the matrix spike duplicate sample. Calculate and report the relative percent difference (RPD) (see Exibit E) between the matrix spike and matrix spike duplicate. Asterisk and summaraize all values outside of QC limits.

Although no further action is required from the Contractor laboratory, the percent recovery and RPD values will be used to update present performance-based QC limits. Comment as necessary at the bottom of the form.

SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No. URS WEST **Contractor** COMPUCHEM **Contract No.** PLATINUM

Low Level XX **Medium Level** _____

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug/Kg)		SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
VOA SMO SAMPLE NO. ASEDIMENT	1,1-Dichloroethene	106		0	130	123	140	132	7	22	59-172
	Trichloroethene	106		0	120	123	120	113	8	24	62-137
	Chlorobenzene	106		0	130	123	120	113	8	21	60-133
	Toluene	106		0	126	113	120	113	0	21	59-139
	Benzene	106		0	110	104	120	113	89	21	66-142
B/N SMO SAMPLE NO. ESEDIMENT	1,2,4-Trichlorobenzene	3980	4020	0	2540	64	2650	67	4	23	38-107
	Acenaphthene	3980	4020	0	2420	61	2600	65	7	19	31-137
	2,4 Dinitrotoluene	3980	4020	0	1490	37	1740	44	14	47	28-89
	Pyrene	3980	4020	0	2460	62	2700	68	9	36	35-142
	N-Nitrosodi-n-Propylamine	3980	4020	0	2630	66	2710	68	3	38	41-126
	1,4-Dichlorobenzene	3980	4020	0	2370	60	2530	64	86	27	28-104
ACID SMO SAMPLE NO. ESEDIMENT	Pentachlorophenol	7960	8040	0	3580	45	1250	16	97*	47	17-109
	Phenol	7960	8040	0	4500	57	6030	75	27	35	26-90
	2-Chlorophenol	7960	8040	0	5430	68	5760	72	5	50	25-102
	4-Chloro-3-Methylphenol	7960	8040	0	5290	66	7040	88	26	33	26-103
	4-Nitrophenol	7960	8040	0	3840	48	4940	61	23	50	11-114
PEST SMO SAMPLE NO. ESEDIMENT	Lindane	46.7		—	—	—*	—	—*	—	50	46-127
	Heptachlor	46.7		—	—	—*	—	—*	—	31	35-130
	Aldrin	46.7		—	—	—*	—	—*	—	43	34-132
	Dieldrin	116.7		—	—	—*	—	—*	—	36	31-134
	Endrin	116.7		—	—	—*	—	—*	—	45	42-139
	4,4'-DDT	116.7		—	—	—*	—	—*	—	50	23-134

*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 1 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 0 out of 12 ; outside QC limits
ACID 0 out of 10 ; outside QC limits
PEST 12 out of 12 ; outside QC limits

Comments: ** See QA notice for pesticides

C. METHOD BLANK SUMMARY (FORM IV)

This form is used to report the concentrations of both HSL and non-HSL compounds detected in the laboratory method blank(s).

The laboratory should complete all the header information including Laboratory name, Case number, contract number, sample matrix and concentration level. Since the protocol requires a method blank for each sample matrix (water or soil) and concentration level (low or medium soil), the laboratory must ensure the proper number of method blank summaries are included.

The laboratory should list compounds (HSL or non-HSL) by order of fractions: VOA, BNA, Pesticide. Since a VOA blank is required each 12 hours volatile analysis is performed, compounds should be separated as Method Blank 1, Method Blank 2, etc. The laboratory should only report pesticides/PCBs detected in the method blank that meet the identification criteria (second column confirmation) specified in Exhibit E.

The laboratory should complete the columns for concentration, contract required detection limits (where applicable) and CAS number. Tentatively identified compounds (TIC) reported, must follow the identification criteria outlined in (Exhibit D). Compound spectra that fail the qualitative identification criteria must be labeled as "unknown."

Sample concentration data are to be reported uncorrected for blank values. The laboratory must ensure that the proper number of method blank analyses are performed. EPA data evaluators and/or data auditors will perform blank corrections on an as-needed basis.

METHOD BLANK SUMMARY

Case No. URS WEST Region _____ Contractor COMPUCHEM Contract No. INSTRUMENT BLANKS PLATINUM

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	SAMPLE ID	CAS NUMBER	COMPOUND (TCL, TIC OR UNKNOWN)	CONC.	UNITS	CRQL
GE860507.B18	5-7-86	V	SO.	L	B18	75-09-2	METHYLENE CHLORIDE	3.1 J	UG/KG	5.
						67-64-1	ACETONE	7.3 J	UG/KG	10.
GB860515A18	5-15-86	V	SO.	L	A18	67-64-1	ACETONE	9.1 J	UG/KG	10.
GB860515C18	5-15-86	V	SO.	L	C18	67-64-1	ACETONE	7.2 J	UG/KG	10.
GB860516B18	5-16-86	V	SO	L	B18	75-09-2	METHYLENE CHLORIDE	6.6	UG/KG	7.
						67-64-1	ACETONE	12.	UG/KG	12.
GB860516B19	5-16-86	V	SO	L	B19	75-09-2	METHYLENE CHLORIDE	5.2	UG/KG	5.
GB860520C19	5-16-86	V	SO	L	C19	75-09-2	METHYLENE CHLORIDE	6.6 J	UG/KG	5.
						67-64-1	ACETONE	9.4 J	UG/KG	10.

Comments:

METHOD BLANK SUMMARY

Case No. WRS WESF Region ____ Contractor COMPUCHEM Contract No. PLATINUM

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (NSL.TIC OR UNKNOWN)	CONC.	UNITS	CRQL
GH085028	5-15-86	V	S	L	C18	—	NONE	—	—	—
GH086066	5-20-86	V	S	L	A19	67-64-1	ACETONE	6.6J	UG/KG	10
"	"	"	"	"	"	75-09-2	METHYLENE CHLORIDE	9.2J	"	5
GH085102	5-16-86	SV	S	L	A15	621-64-7	N-NITROSODIPHENYAMINE	41J	UG/KG	340
"	"	"	"	"	"	625-06-9	ACETONE CONTAMINATION	2300J	UG/KG	NR
85102	5-21-86	P	S	L	3	—	NONE	—	—	—
"	5-16-86				7	—	"	—	—	—
85258	5-16-86	P	S	L	7	—	NONE	—	—	—
	5-21-86				3					

Comments:

D. GC/MS TUNING AND CALIBRATION STANDARD (Form V)

This form serves two distinct purposes. The USEPA will use this form to verify that a Contract Laboratory's GC/MS system(s) meet the required tuning criteria for both DFTPP and BFB and also as a summary of all samples, standards, blanks, matrix spikes, and matrix spike duplicates analyzed under a specific tune.

1. DFTPP in chronological order; by instrument.
2. BFB in chronological order; by instrument.

The Laboratory must complete all header information including: laboratory name, Case number, contract number, instrument ID, and date and time of analysis on each DFTPP and/or BFB calibration standard form submitted.

Using the mass listing for either DFTPP and/or BFB, the Contractor must fill in all required ion abundances. Report all values to three significant figures. For rounding rules, follow the EPA Handbook of Analytical Quality Control in Water and Wastewater Laboratories (EPA-600/4-79-019). Calculate and report ion abundance ratios specified by parentheses.

To complete the bottom of Form V, the laboratory must summarize each sample, standard, blank, MS and MSD analyzed under the specific tune. List in chronological order, including SMO sample number, laboratory ID (for standards/blanks), and date/time of analysis (report time in military format: 3:10 p.m. = 1510 hours).

The Laboratory Manager, or his designate, must sign in original signature the "Data Release Authorized By:" line. The Laboratory Manager's signature indicates that he or his designate has reviewed the data and has determined that the data meets all terms and conditions of the contract (i.e., tuning criteria met). The EPA may use non-compliant tunes as the basis for non-payment of all affected sample fractions.

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

68-01-6866

CASE NO: URS WEST CONTRACTOR: CompuChem Labs CONTRACT: 68-01-7017

INSTRUMENT ID: 15 DATE: 02/12/86 TIME: 18:06

LAB ID: DKB60212B15 DATA RELEASE AUTHORIZED BY: JPM

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	42.25	1
68	Less than 2.0% of mass 69	0.00	(0.00)
69	Mass 69 relative abundance	54.39	1
70	Less than 2.0% of mass 69	0.00	(0.00)
127	40.0 - 60.0% of mass 198	42.74	
197	Less than 1.0% of mass 198	0.00	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	6.23	
275	10.0 - 30.0% of mass 198	23.56	
365	Greater than 1.00% of mass 198	1.56	
441	Present, but less than mass 443	0.47	
442	Greater than 40.0% of mass 198	64.13	2
443	17.0 - 23.0% of mass 442	12.74	(19.86)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DKB60212B15	02/12/86	18:06
50NGSTD	HIB60212B15	02/12/86	21:30
160NGSTD	HJB60212B15	02/12/86	22:23
20NGSTD	HKB60212B15	02/12/86	23:22
120NGSTD	HLB60213C15	02/13/86	: 9
80NGSTD	HMB60213C15	02/13/86	:50

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

68-01-6866

CASE NO: URS WEST CONTRACTOR: CompuChem Labs CONTRACT: 68-01-7017

INSTRUMENT ID: 15 DATE: 05/16/86 TIME: 5:52

LAB ID: DI860516C15 DATA RELEASE AUTHORIZED BY: SC

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	35.71	1
68	Less than 2.0% of mass 69	0.02	(0.04)
69	Mass 69 relative abundance	44.14	1
70	Less than 2.0% of mass 69	0.00	(0.00)
127	40.0 - 60.0% of mass 198	42.46	
197	Less than 1.0% of mass 198	0.00	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	7.36	
275	10.0 - 30.0% of mass 198	20.79	
365	Greater than 1.00% of mass 198	1.76	
441	Present, but less than mass 443	8.39	
442	Greater than 40.0% of mass 198	65.32	2
443	17.0 - 23.0% of mass 442	12.98	(19.87)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DI860516C15	05/16/86	5:52
50NGSTD	HG860516C15	05/16/86	6:43
CHROMCHEK	SC860516A15	05/16/86	8:35
BF134	GH084807A15	05/16/86	9:24
COMM	GH085102A15	05/16/86	10:47
COMM	GH084994A15	05/16/86	12:16
COMM	GH084995A15	05/16/86	13:05
COMM	GH085001A15	05/16/86	14:51
COMM	GH084986B15	05/16/86	16:05
COMM	GJ085001B15	05/16/86	16:49
COMM	GH084990B15	05/16/86	17:31

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

68-01-6666

CASE NO: WEB WEST CONTRACTOR: CompuChem Labs CONTRACT: 68-01-7017

INSTRUMENT ID: 15 DATE: 05/16/86 TIME: 18:52

LAB ID: DHB60516B15 DATA RELEASE AUTHORIZED BY: JPM

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	31.08	1
68	Less than 2.0% of mass 69	0.00	(0.00)
69	Mass 69 relative abundance	43.88	1
70	Less than 2.0% of mass 69	0.45	(1.02)
127	40.0 - 60.0% of mass 198	45.09	
197	Less than 1.0% of mass 198	0.53	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	7.68	
275	10.0 - 30.0% of mass 198	19.52	
365	Greater than 1.00% of mass 198	2.61	
441	Present, but less than mass 443	13.31	
442	Greater than 40.0% of mass 198	95.32	2
443	17.0 - 23.0% of mass 442	16.50	(17.31)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DHB60516B15	05/16/86	18:52
50 NG STD	HG060516B15	05/16/86	19:05
CHROM CHEK	SCB60516B15	05/16/86	20:58
COMM	G2J05001B15	05/16/86	21:38
COMM	GJ084990B15	05/16/86	22:18
COMM	GH085000B15	05/16/86	22:49

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

CASE NO: URS West CONTRACTOR: CompuChem Labs CONTRACT: 68-01-6866
68-01-7017
68-01-7263

INSTRUMENT ID: 15 DATE: 05/19/86 TIME: 1:08

LAB ID: DH860519C15 DATA RELEASE AUTHORIZED BY: SC

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	52.21	1
68	Less than 2.0% of mass 69	0.00	(0.00)
69	Mass 69 relative abundance	66.27	1
70	Less than 2.0% of mass 69	0.00	(0.00)
127	40.0 - 60.0% of mass 198	59.35	
197	Less than 1.0% of mass 198	0.00	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	6.92	
275	10.0 - 30.0% of mass 198	16.89	
365	Greater than 1.00% of mass 198	1.35	
441	Present, but less than mass 443	6.90	
442	Greater than 40.0% of mass 198	51.62	2
443	17.0 - 23.0% of mass 442	9.65	(18.69)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DH860519C15	05/19/86	1:08
50NGSTD	HK860519C15	05/19/86	7:22
50NGSTD	HE860519A15	05/19/86	9:11
160NGSTD	HH860519A15	05/19/86	10:26
20NGSTD	HI860519A15	05/19/86	11:17
120NGSTD	HJ860519A15	05/19/86	12:14
80NGSTD	HK860519A15	05/19/86	13:05

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

CASE NO: Burs West CONTRACTOR: CompuChem Labs CONTRACT: 68-01-6866 68-01-7017 68-01-7263

INSTRUMENT ID: 15 DATE: 05/19/86 TIME: 20:08

LAB ID: DI860519B15 DATA RELEASE AUTHORIZED BY: DS

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	31.49	1
68	Less than 2.0% of mass 69	0.00	(0.00)
69	Mass 69 relative abundance	36.90	1
70	Less than 2.0% of mass 69	0.41	(1.11)
127	40.0 - 60.0% of mass 198	43.40	
197	Less than 1.0% of mass 198	0.38	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	6.55	
275	10.0 - 30.0% of mass 198	19.68	
365	Greater than 1.00% of mass 198	2.69	
441	Present, but less than mass 443	10.99	
442	Greater than 40.0% of mass 198	74.34	2
443	17.0 - 23.0% of mass 442	14.47	(19.46)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DI860519B15	05/19/86	20:38
50NGSTD	HG860520C15	05/20/86	:18
CHROMCHEK	SC860520C15	05/20/86	3:48
COMM	GH085003C15	05/20/86	6:00
COMM	GH085004C15	05/20/86	6:27
COMM	GH085005A15	05/20/86	8:10

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

CASE NO: URS WEST CONTRACTOR: CompuChem Labs CONTRACT: 68-01-6666 68-01-7017 68-01-7263

INSTRUMENT ID: 15 DATE: 05/20/86 TIME: 21:26

LAB ID: DK860520B15 DATA RELEASE AUTHORIZED BY: JPM

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	32.66	1
68	Less than 2.0% of mass 69	0.70	(1.81)
69	Mass 69 relative abundance	38.63	1
70	Less than 2.0% of mass 69	0.26	(0.67)
127	40.0 - 60.0% of mass 198	41.09	
197	Less than 1.0% of mass 198	0.44	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	6.74	
275	10.0 - 30.0% of mass 198	19.59	
365	Greater than 1.00% of mass 198	2.65	
441	Present, but less than mass 443	10.47	
442	Greater than 40.0% of mass 198	75.78	2
443	17.0 - 23.0% of mass 442	14.16	(18.68)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DK860520B15	05/20/86	21:26
50NGSTD	HG860520B15	05/20/86	21:43
160NGSTD	HH860520B15	05/20/86	23:36
120NGSTD	HI860521C15	05/21/86	:56
80NGSTD	HJ860521C15	05/21/86	2:17
20NGSTD	HK860521C15	05/21/86	3:17

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

CASE NO: WA8 WK51 CONTRACTOR: CompuChem Labs CONTRACT: 68-01-6866 68-01-7017 68-01-7263

INSTRUMENT ID: 15 DATE: 05/22/86 TIME: :23

LAB ID: DI860522C15 DATA RELEASE AUTHORIZED BY: SC

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	56.44	1
68	Less than 2.0% of mass 69	1.15	(1.72)
69	Mass 69 relative abundance	66.57	1
70	Less than 2.0% of mass 69	0.00	(0.00)
127	40.0 - 60.0% of mass 198	54.39	
197	Less than 1.0% of mass 198	0.27	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	6.51	
275	10.0 - 30.0% of mass 198	17.76	
365	Greater than 1.00% of mass 198	1.32	
441	Present, but less than mass 443	8.49	
442	Greater than 40.0% of mass 198	62.11	2
443	17.0 - 23.0% of mass 442	11.88	(19.12)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DI860522C15	05/22/86	:23
STNDSTD	HG860522C15	05/22/86	:59
CHROMCHEK	SC860522C15	05/22/86	1:46
BLANK	GH086002A15	05/22/86	9:02
COMM	GJ083273A15	05/22/86	10:26
COMM	GJ084995A15	05/22/86	11:05
FD442	GH085341A15	05/22/86	11:51
COMM	GH085005A15	05/22/86	12:23

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

CASE NO: URS West CONTRACTOR: CompuChem Labs CONTRACT: 68-01-6866, 68-01-7017, 68-01-7263

INSTRUMENT ID: 15 DATE: 05/22/86 TIME: 16:43

LAB ID: DH860522B15 DATA RELEASE AUTHORIZED BY: JPM

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	44.68	1
68	Less than 2.0% of mass 69	0.00	(0.00)
69	Mass 69 relative abundance	47.72	1
70	Less than 2.0% of mass 69	0.00	(0.00)
127	40.0 - 60.0% of mass 198	48.19	
197	Less than 1.0% of mass 198	0.24	
198	Base peak, 100% relative abundance	100.00	
199	5.0 - 9.0% of mass 198	7.37	
275	10.0 - 30.0% of mass 198	23.54	
365	Greater than 1.00% of mass 198	2.50	
441	Present, but less than mass 443	10.10	
442	Greater than 40.0% of mass 198	78.48	2
443	17.0 - 23.0% of mass 442	15.32	(19.52)

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DFTPP	DH860522B15	05/22/86	16:43
50 NG STD	HG860522B15	05/22/86	17:00
CHROM CHEK	SC860522B15	05/22/86	18:31
COMM	G2JB4995B15	05/22/86	19:17
FD438	GDD85336B15	05/22/86	20:00
FD433MS	GJD85329B15	05/22/86	20:47
FD433MSD	GJD85330B15	05/22/86	21:55
FD433	GJD85319B15	05/22/86	23:32
FD432	GJD85327C15	05/23/86	:15
FD435	GJD85333C15	05/23/86	:49
FD436	GJD85335C15	05/23/86	1:22
FD441	GJD85338C15	05/23/86	1:54
FD435	GJD85333C15	05/23/86	2:33
COMM	GHD86000C15	05/23/86	3:25
COMM	GHD85304C15	05/23/86	3:58
COMM	GHD85305C15	05/23/86	4:32

GC/MS TUNING AND MASS CALIBRATION
Bromofluorobenzene (BFB)

68-01-6866

CASE NO: URS WEST CONTRACTOR: CompuChem Labs CONTRACT: 68-01-7017

INSTRUMENT ID: 1B DATE: 05/07/86 TIME: 14:41

LAB ID: BFB860507A1B DATA RELEASE AUTHORIZED BY: SAH

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of the base peak	22.97	
75	30.0 - 60.0% of the base peak	48.46	
95	Base peak, 100% relative intensity	100.00	
96	5.0 - 9.0% of the base peak	8.82	
173	Less than 1.0% of the base peak	0.00	
174	Greater than 50.0% of the base peak	67.74	
175	5.0 - 9.0% of mass 174	4.87	(7.18) 1
176	Greater than 95.0%, but less than 101.0% of mass 174	67.53	(99.68) 1
177	5.0 - 9.0% of mass 176	5.36	(7.93) 2

1 Value in parentheses is % mass 174
2 Value in parenthesis is % mass 176

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
BFB	BFB860507A1B	05/07/86	14:41
INSTR BLK	BBB860507A1B	05/07/86	15:00
50 UG/KG	BSB860507A1B	05/07/86	15:40
50 UG/KG	BSB860507B1B	05/07/86	16:55
20 UG/KG	BTB860507B1B	05/07/86	18:04
200 UG/KG	BUB860507B1B	05/07/86	19:34
150 UG/KG	BVB860507B1B	05/07/86	20:31
100 UG/KG	BWB860507B1B	05/07/86	21:13
20 UG/KG	BXB860507B1B	05/07/86	22:30
INSTR BLK	BBB860507B1B	05/07/86	23:47
INSTR BLK	BCB860507B1B	05/08/86	:36
INSTR BLK	BDB860507B1B	05/08/86	1:23
INSTR BLK	BEB860507B1B	05/08/86	2:16

GC/MS TUNING AND MASS CALIBRATION
Bromofluorobenzene (BFB)

68-01-6866

CASE NO: ucs west CONTRACTOR: CompuChem Labs CONTRACT: 68-01-7017

INSTRUMENT ID: 18 DATE: 05/14/86 TIME: 22:15

LAB ID: BFB860514B18 DATA RELEASE AUTHORIZED BY: SAH

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of the base peak	21.81	
75	30.0 - 60.0% of the base peak	49.74	
95	Base peak, 100% relative intensity	100.00	
96	5.0 - 9.0% of the base peak	8.93	
173	Less than 1.0% of the base peak	0.00	
174	Greater than 50.0% of the base peak	68.44	
175	5.0 - 9.0% of mass 174	5.58 [1]	(8.15) [1]
176	Greater than 95.0%, but less than 101.0% of mass 174	66.43 [1]	(97.06) [2]
177	5.0 - 9.0% of mass 176	5.63 [2]	(8.47) [2]

1 Value in parenthesis is % mass 174
2 Value in parenthesis is % mass 176

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
BFB	BFB860514B18	05/14/86	22:15
50 UG/KG	GSB860514B18	05/14/86	22:35
INSTR BLK	GBB860514B18	05/14/86	23:29
50 UG/KG	GSB860515C18	05/15/86	:26
INSTR BLK	GBB860515C18	05/15/86	1:21
HB1	GH084843C18	05/15/86	2:20
BLK	GH085119C18	05/15/86	3:18
HB2	GH084844C18	05/15/86	4:01
BLK	GH085120C18	05/15/86	4:50
BF060	GR084788C18	05/15/86	6:03
A-SEDEMENT	GH084986C18	05/15/86	6:50
B-SEDEMENT	GH084990C18	05/15/86	7:41
D-SEDEMENT	GH085000A18	05/15/86	8:21
E-SEDEMENT	GH085001A18	05/15/86	9:02
F-SEDEMENT	GH085002A18	05/15/86	9:45

GC/MS TUNING AND MASS CALIBRATION
Bromofluorobenzene (BFB)

CASE NO: UCS WEST CONTRACTOR: [illegible] CONTRACT: [illegible]

INSTRUMENT ID: [illegible] DATE: 05/15/86 TIME: [illegible]

LAB ID: BF6605[illegible] DATA RELEASE AUTHORIZED BY: [illegible]

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of the base peak	24.25	
75	30.0 - 60.0% of the base peak	[illegible]	
95	Base peak, 100% relative intensity	10?.??	
96	5.0 - 9.0% of the base peak	[illegible]	
173	Less than 1.0% of the base peak	[illegible]	
174	Greater than 50.0% of the base peak	[illegible]	
175	5.0 - 9.0% of mass 174	[illegible]	(5.9?)1
176	Greater than 95.0%, but less than 101.0% of mass 174	[illegible]	(?9.8?)1
177	5.0 - 9.0% of mass 176	[illegible]	([illegible])2

1 Value in parenthesis is % mass 174
2 Value in parenthesis is % mass 176

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
BFB	BF6605[illegible]	05/15/86	[illegible]
INSTR BLK	[illegible]	05/15/86	10:57
50 UG/KG	[illegible]	05/15/86	[illegible]
INSTR BLK	[illegible]	05/15/86	[illegible]
50 UG/KG	[illegible]	05/15/86	[illegible]
INSTR BLK	[illegible]	05/15/86	[illegible]
INSTR BLK	[illegible]	05/15/86	[illegible]
[illegible]	[illegible]	05/15/86	[illegible]
[illegible]	[illegible]	05/15/86	[illegible]
H-SED	[illegible]	05/15/86	[illegible]
D-SED	[illegible]	05/15/86	[illegible]
[illegible]	[illegible]	05/15/86	[illegible]
[illegible]	[illegible]	05/15/86	[illegible]
[illegible]	[illegible]	05/15/86	[illegible]
BF147	[illegible]	05/15/86	[illegible]
[illegible]	[illegible]	05/15/86	[illegible]

GC/MS TUNING AND MASS CALIBRATION
Bromofluorobenzene (BFB)

CASE NO: _____ CONTRACTOR: CompuChem Labs CONTRACT: 68-01-6866 68-01-7017 68-01-7263

INSTRUMENT ID: 19 DATE: 05/16/86 TIME: 10:23

LAB ID: BF860516A19 DATA RELEASE AUTHORIZED BY: SAH _____

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of the base peak	15.68	
75	30.0 - 60.0% of the base peak	52.10	
95	Base peak, 100% relative intensity	100.00	
96	5.0 - 9.0% of the base peak	8.51	
173	Less than 1.0% of the base peak	0.00	
174	Greater than 50.0% of the base peak	67.76	
175	5.0 - 9.0% of mass 174	5.59 [1]	(8.24)
176	Greater than 95.0%, but less than 101.0% of mass 174	65.94 [1]	(97.31)
177	5.0 - 9.0% of mass 176	5.33 [2]	(8.08)

1 Value in parenthesis is % mass 174
2 Value in parenthesis is % mass 176

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
BFB	BF860516A19	05/16/86	10:23
50 UG/KG	GS860516A19	05/16/86	10:44
INSTR BLK	GB860516A19	05/16/86	11:24
20 UG/KG	GT860516A19	05/16/86	12:04
100 UG/KG	GU860516A19	05/16/86	13:06
150 UG/KG	GV860516A19	05/16/86	13:45
200 UG/KG	GW860516A19	05/16/86	14:24
50 UG/KG	GX860516A19	05/16/86	15:31
INSTR BLK	GB860516B19	05/16/86	16:19
50 UG/KG	GS860516B19	05/16/86	17:00
INSTR BLK	GC860516B19	05/16/86	17:55
INSTR BLK	GD860516B19	05/16/86	19:07
BLK #1	GH085624B19	05/16/86	20:14
BLK #2	GH085625B14	05/16/86	21:14
FD431	GH085325B19	05/16/86	21:54

GC/MS TUNING AND MASS CALIBRATION
Bromofluorobenzene (BFB)

CASE NO: URS WEST CONTRACTOR: CompuChem Labs CONTRACT: 68-01-6866 68-01-7017 68-01-7263

INSTRUMENT ID: 19 DATE: 05/20/86 TIME: 2:18

LAB ID: BFB60520C19 DATA RELEASE AUTHORIZED BY: SAH

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of the base peak	17.86	
75	30.0 - 60.0% of the base peak	52.02	
95	Base peak, 100% relative intensity	100.00	
96	5.0 - 9.0% of the base peak	8.03	
173	Less than 1.0% of the base peak	0.00	
174	Greater than 50.0% of the base peak	65.05	
175	5.0 - 9.0% of mass 174	4.07 [1]	(6.25)
176	Greater than 95.0%, but less than 101.0% of mass 174	64.59 [1]	(99.29)
177	5.0 - 9.0% of mass 176	3.98 [2]	(6.16)

1 Value in parenthesis is % mass 174
2 Value in parenthesis is % mass 176

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
BFB	BFB60520C19	05/20/86	2:18
50 UG/KG	GS060520C19	05/20/86	2:43
50 UG/KG	GT860520C19	05/20/86	3:55
50 UG/KG	GU860520C19	05/20/86	5:09
INSTR BLK	GB860520C19	05/20/86	6:16
HB2	GH0B5378C19	05/20/86	7:09
BLK	GH086066A19	05/20/86	7:55
HLD BLK	GH085385A19	05/20/86	8:38
BLK	GH08612EA19	05/20/86	9:19
BLK	GH086129A19	05/20/86	9:58
A-SEDIMENT	GR084991A19	05/20/86	10:37
DC945	GH085859A19	05/20/86	11:27
A-SEDIMENT	GZR84989A19	05/20/86	12:34
SS DC945	GH085864A19	05/20/86	13:13
SB DC945	GHES5865A19	05/20/86	13:55

IV. STANDARDS DATA PACKAGE

CASE NO. URS ~~[illegible]~~ May 1986 Sediments

A. Current list of laboratory calculated instrument detection limits for all HSL compounds.

B. Initial Calibration Data (Form VI) — in order: VOA, BNA; chronological order by instrument.

C. Continuing Calibration (Form VII) — in order: VOA, BNA; chronological order by instrument.

D. Pesticide forms in the following order:

   1. Form VIII — Pesticide Evaluation Standards Summary (all GC Columns)

   2. Form IX — Pesticide/PCB Standards Summary (all GC Columns)

   3. Form X — Pesticide/PCB Identification (only required for positive results)

E. VOA standard(s) chromatograms and data system printouts (or legible facsimile) for the initial and all continuing calibrations. Spectra are not required.

F. BNA standard(s) chromatograms and data system printouts (or legible facsimile) for the initial and continuing calibrations. Spectra are not required.

G. All pesticide evaluation standard(s) (A, B, and C) chromatograms and data system printouts in chronological order.

H. All pesticide Individual Standard Mix (A and B) chromatograms and data system printouts.

I. Pesticide Quantitation standard(s) chromatograms and data system printouts.

For each fraction analyzed, the laboratory includes chromatograms and automatic quantitation reports of associated standards. The instrument run log or sequence run log is copied and provided for use in determining the order in which samples were run, times, etc.

A. Current list of laboratory calculated instrument detection limits for all HSL compounds.

COMPUCHEM LABORATORIES

INSTRUMENT DETECTION LIMITS FOR VOLATILE HSL COMPOUNDS

VOLATILE COMPOUNDS DETECTION LIMIT STUDY - AMENDED JANUARY 15, 1985

NAME	MEAN	STD. DEV.	3 x STD. DEV (Converted to ug/L) Inst. DET. Limit
Bromochloromethane (IS)	-----	--------	ug/L
Chloromethane	105874	19930	28
Bromomethane	149468	16890	17
Vinyl Chloride	124730	14579	18
Chloroethane	64814	5398	12
Methylene Chloride	121772	14054	17
Acetone (2-Propanone)	22417	1979	13
Carbon Disulfide	355229	51739	22
1,1-Dichloroethylene	116890	14657	19
1,1-Dichloroethane	216032	26269	18
Trans -1,2 -Dichloroethylene	111789	15069	20
Chloroform	261539	29277	17
1,2-Dichloroethane	181477	16957	14
1,4 Difluorobenzene (Internal Std)	------	-----	--
2-Butanone	12072	1374	17
1,1,1-Trichloroethane	195419	23281	18
Carbon Tetrachloride	201317	17824	13
Vinyl Acetate	199598	23864	18
Bromodichloromethane	230138	26399	17
1,2-Dichloropropane	158286	16219	15
Trans-1,3-Dichloropropene	196807	24068	18
Trichloroethylene	173661	15429	13
Chlorodibromomethane	195098	15979	12
1,1,2-Trichloroethane	137818	11975	13
Benzene	381933	26886	10
CIS-1,3-Dichloropropene	164184	14236	13
2-Chloroethyl Vinyl Ether	87902	12117	21
Bromoform	130767	8839	10
D5 Chlorobenzene (Internal Std.)	------	-------	--
2-Hexanone	114919	13303	17
4-Methyl-2-Pentanone	82333	9210	17
Tetrachloroethene	158468	14255	13
1,1.2,2-Tetrachloroethane	186826	15490	12
Toluene	247542	27182	16
Chlorobenzene	338123	25840	11
Ethylbenzene	173342	13736	12
Styrene	366700	34503	14
M-Xylene	230196	21856	14
O- & P-Xylene	451397	42601	28
D4-1,2-Dichloroethane	------	-------	--
Bromofluorobenzene	------	-------	--
D8-Toluene	------	-------	--

COMPUCHEM LABORATORIES

INSTRUMENT DETECTION LIMITS FOR SEMI-VOLATILE HSL COMPOUNDS, JUNE 19, 1985

COMPOUND NAME	HG850619C15	HG850519B15	HI850620A15	AVERAGE	SD	DET. LIMIT
N-NITROSODIMETHYLAMINE	67.46	52.87	53.49	57.94	8.25	24.75
PHENOL	52.51	46.51	52.98	50.67	3.61	10.82
ANILINE	47.10	37.93	37.79	40.94	5.33	16.00
BIS (2-CHLOROETHYL) ETHER	48.75	44.43	47.55	46.91	2.23	6.69
2-CHLOROPHENOL	49.90	48.05	51.29	49.75	1.62	4.87
1,3-DICHLOROBENZENE	52.38	31.54	53.89	45.94	12.49	37.47
1,4-DICHLOROBENZENE	51.69	49.51	50.66	50.62	1.09	3.26
BENZYL ALCOHOL	48.86	42.40	47.96	46.40	3.50	10.50
1,2-DICHLOROBENZENE	47.88	46.67	48.21	47.59	.81	2.44
2-METHYLPHENOL	45.29	42.09	47.29	44.89	2.62	7.87
BIS (2-CHLOROISOPROPYL) ETHER	53.92	43.33	42.35	46.53	6.41	19.24
4-METHYLPHENOL	48.18	44.85	53.08	48.70	4.14	12.41
N-NITROSO-DI-N-PROPYLAMINE	44.85	36.62	45.98	42.49	5.11	15.32
HEXACHLOROETHANE	42.30	40.48	45.68	42.82	2.64	7.93
NITROBENZENE	38.23	33.40	38.94	36.86	3.01	9.04
ISOPHORONE	46.18	38.13	43.16	42.49	4.06	12.19
2-NITROPHENOL	46.31	48.08	47.33	47.24	.89	2.67
2,4-DIMETHYLPHENOL	52.89	49.60	51.39	51.29	1.65	4.94
BENZOIC ACID	25.41	17.60	29.46	24.16	6.03	18.10
BIS (2-CHLOROETHOXY)METHANE	56.58	46.96	51.52	51.69	4.81	14.43
2,4-DICHLOROPHENOL	51.22	51.29	51.44	51.32	.11	.34
1,2,4-TRICHLOROBENZENE	55.15	56.66	52.78	54.86	1.96	5.87
NAPTHALENE	54.36	52.02	54.19	53.52	1.31	3.92
4-CHLOROANILINE	52.32	42.44	45.63	46.80	5.04	15.13
HEXACHLOROBUTADIENE	48.21	50.85	50.14	49.73	1.37	4.10
4-CHLORO-3-METHYLPHENOL	41.22	37.90	45.26	41.46	3.68	11.05
2-METHYLNAPTHALENE	48.05	46.50	46.51	47.02	.89	2.67
HEXACHLOROCYCLOPENTADIENE	35.03	52.63	47.12	44.92	9.00	27.01
2,4,6-TRICHLOROPHENOL	47.94	51.55	53.21	50.90	2.69	8.08
2,4,5-TRICHLOROPHENOL	50.73	51.55	58.29	53.52	4.15	12.44
2-CHLORONAPTHALENE	58.61	57.70	59.29	58.53	.80	2.39
2-NITROANILINE	41.78	29.35	38.61	36.58	6.46	19.38
DIMETHYL PHTHALATE	54.96	45.47	56.75	52.39	6.06	18.19
ACENAPHTHYLENE	57.95	52.70	59.07	56.57	3.40	10.21
3-NITROANILINE	44.39	37.85	49.69	43.98	5.93	17.79
ACENAPHTHENE	52.74	49.46	53.38	51.86	2.10	6.31
2,4-DINITROPHENOL	51.24	46.87	66.20	54.77	10.13	30.40
4-NITROPHENOL	42.32	47.57	58.24	49.38	8.11	24.33
DIBENZOFURAN	51.13	50.13	53.59	51.62	1.78	5.34
2,4-DINITROTOLUENE	50.64	30.86	55.93	45.81	13.22	39.65
2,6-DINITROTOLUENE	53.84	52.86	59.77	55.49	3.73	11.20
DIETHYL PHTHLATE	48.50	41.33	52.21	47.35	5.53	16.59
4-CHLOROPHENYL PHENYL ETHER	60.00	58.52	63.26	60.63	2.38	7.15
FLUORENE	54.43	52.99	60.01	55.81	3.71	11.12
4-NITROANILINE	42.33	26.94	35.20	34.82	7.70	23.10

(cont'd)

COMPUCHEM LABORATORIES

INSTRUMENT DETECTION LIMITS FOR SEMI-VOLATILE HSL COMPOUNDS, JUNE 19, 1985

4,6-DINITRO-2-METHYLPHENOL	27.94	30.51	44.55	34.33	8.94	26.83
N-NITROSODIPHENYLAMINE	58.27	49.58	62.41	56.75	6.55	19.65
4-BROMOPHENYL PHENYL ETHER	59.56	61.91	69.33	63.60	5.10	15.29
HEXACHLOROBENZENE	63.39	61.52	70.78	65.23	4.89	14.68
PENTACHLOROPHENOL	48.23	45.84	39.21	44.43	4.67	14.01
PHENANTHRENE	54.58	50.49	60.27	55.12	4.91	14.73
ANTHRACENE	51.69	49.46	59.31	53.49	5.17	15.50
DI-N-BUTYL PHTHALATE	48.57	37.41	52.02	46.00	7.63	22.90
FLUORANTHENE	47.84	40.84	48.22	45.63	4.15	12.46
BENZIDINE	50.83	--	--	16.94	29.35	88.05
PYRENE	61.13	62.82	63.68	62.55	1.30	3.89
BUTYLBENZYL PHTHALATE	33.54	30.74	42.0	35.43	5.87	17.62
3,3 DICHLDROBENZIDINE	46.26	19.41	39.82	35.16	14.01	42.04
BENZO(A)ANTHRACENE	52.54	50.75	52.08	51.79	.93	2.79
BIS(2-ETHYLHEXYL) PHTHALATE	46.86	42.82	50.92	46.87	4.05	12.15
CHRYSENE	54.14	48.36	52.70	51.73	3.01	9.04
DI-N-OCTYL PHTH4LATE	49.50	41.56	50.23	47.10	4.81	14.43
BENZO(B)FLUORANTHENE	61.94	59.52	62.04	61.17	1.43	4.29
BENZO(K)FLUORANTHENE	61.94	59.52	62.04	61.17	1.43	4.29
BENZO(A)PYRENE	58.88	30.68	59.53	49.69	16.47	49.42
INDENO(1,2,3-C,D)PYRENE	62.71	62.30	86.82	70.61	14.04	42.11
DIBENZO(A,H)ANTHRACENE	66.05	65.33	90.91	74.77	14.05	42.14
BENZO(G,H,I)PERYLENE	62.42	63.53	88.56	71.50	14.78	44.34

COMPUCHEM LABORATORIES

INSTRUMENT DETECTION LIMITS FOR PESTICIDE HSL COMPOUNDS, OCTOBER, 1984

MINIMUM INSTRUMENT DETECTION LEVEL BY THREE STANDARD INJECTIONS

The following data was obtained by making three injections of pesticide PCB standards over the course of 24 hours. The areas of single peak pesticides was calculated by the HP LAS data system. The area for the multi peak pesticides and PCBs was calculated by summing the areas of the peaks.
The instrument detection level was calculated as follows:

Det level = ((3 * SD)/ Mean) * conc of std
EXAMPLE Gamma BHC Det level = ((3 * 18.5)/ 956) * 0.03ug/ml = 0.00098ug/ml
The column tested was a 1.5% SP2250/ 1.95% SP2401 2m x 4mm column run isothermally in a Varian 3700 GC with EC detector.

Two data points are missing because there was a bad injection for the first run of the standard containing Arochlor 1016 and 1260. These Archlors were calculated on the basis of two injections.

COMPOUND	CONC STD	AREA 1	AREA 2	AREA 3	MEAN AREA	SD	INST. DET. LEVEL
STD 4360							
GAMMA BHC	.01	968	965	935	956	18.5	0.00058
HEPTACHLOR	.01	925	957	891	924	33.0	0.00107
ALDRIN	.01	998	1004	969	990	18.7	0.00059
GAMMA CHLOR	.01	885	874	903	887	14.6	0.00049
ENDOSULFAN I	.02	1660	1650	1620	1643	20.8	0.00076
DIELDRIN	.02	1894	1915	1855	1888	30.4	0.00097
ENDOSULFAN II	.04	2362	2241	2332	2312	63.0	0.00327
PP'DDT	.06	2519	2558	2505	2527	27.6	0.00197
METHOXYCHLOR	.05	942	957	940	946	9.29	0.00147
STD 4364							
ALPHA BHC	.01	1135	1132	1079	1115	31.5	0.00085
BETA BHC	.02	741	737	713	730	15.1	0.00124
DELTA BHC	.01	772	857	691	773	83.0	0.00322
HEPT. EPOXIDE	.01	860	857	942	886	48.2	0.00163
ALPHA CHLOR	.02	1652	1643	1584	1826	36.9	0.00136
PP'DOE	.02	1615	1612	1566	1598	27.3	0.00103
ENDRIN	.04	1304	1287	1256	1282	24.3	0.00228
PP'DOD	.04	2310	2277	2232	2273	39.1	0.00206
ENDRIN ALDEHYDE	.04	3419	3371	3173	3321	130	0.00589
ENDO. SULFATE	.04	733	691	516	647	115	0.02669
ENDRIN KEYTONE	.10	6276	6613	5780	6223	419	0.02020
MULTI PEAKS PESTS							
TOXAPHENE	1.0	7093	9856	6715	6888	191	0.0832
TECH. CHLORDANE	.20	3357	3157	3280	3265	101	0.0186

(cont'd)

COMPUCHEM LABORATORIES

INSTRUMENT DETECTION LIMITS FOR PESTICIDE HSL COMPOUNDS, OCTOBER, 1984

PESTICIDE GC/MS INSTRUMENT DETECTION LIMIT STUDY

COMPOUND	RUN 1	RUN2	RUN3	AVERAGE	STANDARD DEVIATION	DET LIMIT (NG)
PCB 1248	214592	361856	268928	281792	108319	115
PCB 1221	864544	602048	714496	727029	261315	109
PCB 1242	359840	487744	471424	439669	167105	114
PCB 1260	45760	82464	63968	64064	26061	122
PCB 1232	229120	155520	213504	199381	77894	117
BETA BHC	438752	531616	788032	586133	301361	154
ENDRIN	104128	126464	191232	140608	73674	157
DDD	13111350	1660510	2606070	5792643	5261689	273
ENDOSULFAN SULF	182144	213312	347104	247520	136041	165
GAMMA CHLORDANE	438848	482336	892896	604693	361151	179
PCB 1254	128416	137696	138324	134912	46437	103
TOXAPHENE	1102230	619744	54848	592274	428423	217
GAMMA BHC	507232	455904	513184	492107	172983	105
DELTA BHC	347904	301984	325024	324971	109951	102
HEPTACHLOR EPOX	162432	139776	160224	154144	54373	106
ENDOSULFAN I	100992	80544	99040	93525	34275	110
ENDOSULFAN II	9984	8738	10848	9856	3718	113
DDE	606368	515200	582208	567925	197864	105
ALDRIN	957152	700064	1049370	902195	379735	126
ENDRIN ALDEHYDE	449280	419648	596160	488363	213181	131
ENDRIN KEYTONE	66624	65856	91104	74528	32553	131
METHOXYCHLOR	960608	955744	1286200	1067517	455771	128

INSTRUMENT DETECTION LIMITS FOR PESTICIDE HSL COMPOUNDS, OCTOBER, 1984

MINIMUM INSTRUMENT DETECTION LEVEL BY THREE STANDARD INJECTIONS

AROCHLORS							
1221	1.0	2383	2320	2323	2342	25.5	0.0455
1232	.70	3313	3218	3261	3264	47.6	0.0306
1016	.30	NA	2495	2472	2483	16.3	0.0059
1242	.40	3358	3297	3295	3317	35.8	0.0129
1248	.40	5266	5044	5097	5136	116	0.0291
1254	.30	6449	6277	6217	6314	120	0.0192
1260	.30	NA	9515	10170	9842	463	0.0423

B. Initial Calibration Data (Form VI) — in order: VOA, BNA; by instrument if more than one instrument used.

1. When more than one initial calibration is performed, the data must be put in chronological order. All initial calibration data must be included even for a specific Case.

Initial Calibration Data
Volatile HSL Compounds

Case No: URS WEST
Contractor: CompuChem Laboratories
Contract No. PLATINUM

Instrument ID : GWA #18
Calibration Date : 05/07/86

Minimum Avg RF for SPCC is 0.300

Maximum %RSD for CCC is 30%

Laboratory ID	GW860507B18	GS860507B18	GW860507B18	GW860507B18	GW860507B18			
Compound	RF(20)	RF(50)	RF(100)	RF(150)	RF(200)	Avg RF	%RSD	CCC * SPCC **
Chloromethane	.843	.857	.711	.594	.390	0.679	28.566	* *
Bromomethane	1.208	1.380	.937	.842	.768	1.027	25.147	
Vinyl Chloride	.871	.905	.756	.680	.565	0.755	18.459	*
Chloroethane	.450	.456	.373	.364	.360	0.401	12.011	
Methylene Chloride	1.308	1.325	1.023	1.214	.928	1.159	15.226	
Acetone	.667	.625	.357	.390	.343	0.477	32.807	
Carbon Disulfide	3.057	2.902	2.795	2.627	2.536	2 783	7.511	
1,1-Dichloroethene	.961	1.114	.914	.890	.902	0 956	9.621	*
1,1-Dichloroethane	1.806	1.869	1.620	1.545	1.529	1.672	9.118	* *
Trans-1,2-Dichloroethene	1.170	1.270	1.063	.998	1.021	1.104	10.297	
Chloroform	2.839	2.715	2.330	2.199	2 226	2 462	11.992	*
1,2-Dichloroethane	1.998	1.986	1.825	1.665	1.762	1.952	7.646	
2-Butanone	.046	.034	.030	.029	.031	0.034	19.633	
1,1,1-Trichloroethane	.506	561	.479	475	.498	0.504	6.859	
Carbon Tetrachloride	.532	.610	.509	.510	.534	0.539	7.702	
Vinyl Acetate	.444	.375	.374	.354	.352	0.380	9.865	
Bromodichloromethane	.591	.604	.549	.529	.559	0.566	5.414	
1,2-Dichloropropane	.276	.275	.243	.226	.234	0.251	9.271	*
Trans-1,3-Dichloropropene	.429	.431	.402	.383	.398	0.408	5.009	
Trichloroethene	.426	.433	.359	.342	.360	0.384	11.040	
Dibromochloromethane	.559	.560	.479	.465	.460	0.499	10.791	
1,1,2-Trichloroethane	.325	.308	.253	.223	.229	0.268	17.150	
Benzene	.857	.818	.699	.692	.666	0.744	11.693	
cis-1,3-Dichloropropene	.335	.335	.307	.287	.299	0.313	6.990	
2-Chloroethylvinylether	.222	.208	.209	.199	.201	0.206	5.069	
Bromoform	.439	.438	.402	.385	.412	0.415	5.504	* *
2-Hexanone	.427	.331	.324	.323	.337	0.348	12.765	
4-Methyl-2-pentanone	.539	.433	.426	.417	.419	0.447	11.609	
Tetrachloroethene	.476	.471	.377	.361	.360	0.409	14.517	
1,1,2,2-Tetrachloroethane	.703	.616	.562	.528	.516	0.585	13.111	* *
Toluene	.575	.570	.484	.476	.489	0.519	9.466	*
Chlorobenzene	.933	.904	.763	.744	.769	0.823	10.769	* *
Ethylbenzene	.526	.535	.437	.433	.454	0.477	10.390	*
Styrene	1.119	.971	.903	.857	.871	0.944	11.331	
TOTAL XYLENES (As meta)	.671	.597	.533	.506	.499	0 561	12.952	

$\bar{r}$ - Response factor (subscript is the amount of ug/L)
$\bar{r}$ RF - Average Response Factor
%RSD - Percent Relative Standard Deviation

CCC - Calibration Compounds (*)
SPCC - System Performance Check Compounds (**)

Initial Calibration Data
Volatile HSL Compounds

Case No: ursweat
Contractor: CompuChem Laboratories
Contract No. PLATINUM

Instrument ID : OWA M19
Calibration Date : 05/16/86

Minimum Avg RF for SPCC is 0.300

Maximum %RSD for CCC is 30%

Laboratory ID	GT860516A19	GS860516A19	GU860516A19	GW860516A19	GM860516A19			
Compound	RF(20)	RF(50)	RF(100)	RF(150)	RF(200)	Avg RF	%RSD	CCC * SPCC **
Chloromethane	.643	.366	.719	.934	1.052	0.743	35.917	* *
Bromomethane	1.654	1.987	1.667	1.989	2.072	1.794	12.276	
Vinyl Chloride	.811	.740	.814	1.178	1.198	0.948	23.288	*
Chloroethane	.524	.522	.521	.620	.605	0.558	8.864	
Methylene Chloride	1.652	1.248	.882	.878	.965	1.125	29.428	
Acetone	.519	.208	.194	.155	.175	0.250	60.569	
Carbon Disulfide	1.738	1.936	2.029	2.175	2.552	2.086	14.613	
1,1-Dichloroethene	1.126	1.046	.951	1.007	1.039	1.033	6.163	*
1,1-Dichloroethane	1.360	1.248	1.164	1.245	1.294	1.262	5.703	* *
Trans-1,2-Dichloroethene	1.240	1.148	1.072	1.102	1.137	1.141	5.862	
Chloroform	2.773	2.397	2.231	2.364	2.546	2.462	8.393	*
1,2-Dichloroethane	1.430	1.324	1.257	1.349	1.515	1.374	7.270	
2-Butanone	.024	.023	.022	.023	.027	0.024	8.529	
1,1,1-Trichloroethane	.538	.543	.515	.600	.634	0.566	8.714	
Carbon Tetrachloride	.647	.692	.675	.753	.798	0.713	8.583	
Vinyl Acetate	.180	.206	.216	.235	.268	0.221	14.899	
Bromodichloromethane	.502	.531	.510	.591	.676	0.562	12.929	
1,2-Dichloropropane	.227	.213	.201	.233	.258	0.226	9.525	*
Trans-1,3-Dichloropropene	.333	.341	.333	.388	.452	0.369	13.987	
Trichloroethene	.530	.495	.466	.500	.520	0.504	5.364	
Dibromochloromethane	.557	.611	.601	.686	.783	0.647	13.711	
1,1,2-Trichloroethane	.355	.332	.311	.353	.410	0.352	10.424	
Benzene	.656	.582	.548	.635	.675	0.619	8.511	
cis-1,3-Dichloropropene	.207	.222	.220	.271	.324	0.249	19.619	
2-Chloroethylvinylether	.122	.129	.119	.141	.162	0.134	13.521	
Bromoform	.403	.450	.455	.520	.588	0.483	14.823	* *
2-Hexanone	.191	.198	.197	.193	.231	0.202	8.149	
4-Methyl-2-pentanone	.258	.265	.272	.264	.312	0.274	7.898	
Tetrachloroethene	.598	.528	.509	.494	.519	0.530	7.578	
1,1,2,2-Tetrachloroethane	.567	.548	.527	.565	.676	0.576	10.030	* *
Toluene	.653	.593	.549	.577	.633	0.601	6.957	*
Chlorobenzene	1.061	.973	.924	.946	1.040	0.989	6.013	* *
Ethylbenzene	.525	.479	.451	.469	.502	0.485	5.911	*
Styrene	1.032	1.001	1.195	1.194	1.390	1.163	13.402	
TOTAL XYLENES (As meta)	.718	.704	.802	.799	.906	0.786	10.302	

RF - Response Factor (subscript is the amount of ug/L)
RF - Average Response Factor
%RSD - Percent Relative Standard Deviation

CCC - Calibration Compounds (*)
SPCC - System Performance Check Compounds (**)

Initial Calibration Data
Semivolatile MSL Compounds
(Page 1)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No. Platinum

Instrument ID : OMA #15
Calibration Date : 02/12/86

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	MK860212B15	MI860212B15	MM860213C15	ML860213C15	MJ860212B15			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
Phenol	2.876	3.362	2.877	2.556	2.536	2.841	11.709	*
bis(-2-Chloroethyl)Ether	4.356	2.508	2.228	2.077	2.140	2.662	36.121	
2-Chlorophenol	1.664	1.908	1.712	1.622	1.672	1.716	6.528	
1,3-Dichlorobenzene	1.584	1.729	1.691	1.546	1.571	1.624	4.953	
1,4-Dichlorobenzene	1.792	1.882	1.730	1.589	1.613	1.721	7.123	*
Benzyl Alcohol	.852	1.032	.917	.921	.980	0.940	7.283	
1,2-Dichlorobenzene	1.561	1.575	1.511	1.473	1.483	1.521	2.996	
2-Methylphenol	1.334	1.426	1.338	1.374	1.456	1.386	3.889	
bis(2-chloroisopropyl)Ether	3.777	4.667	4.471	4.400	4.336	4.317	7.386	
4-Methylphenol	1.578	1.941	1.903	1.742	1.705	1.774	8.393	
N-Nitroso-Di-n-Propylamine	1.820	2.255	2.141	1.893	2.013	2.025	8.765	* *
Hexachloroethane	.786	.886	.861	.808	.847	0.838	4.841	
robenzene	2.285	2.655	2.669	2.567	2.486	2.528	6.147	
phorone	1.112	1.201	1.068	1.030	1.019	1.086	6.797	
2-Nitrophenol	.212	.253	.249	.243	.264	0.244	8.079	*
2,4-Dimethylphenol	.280	.327	.324	.312	.317	0.314	4.993	
Benzoic Acid	.220	.235	.191	.152	.246	0 199	24.561	
bis(-2-Chloroethoxy)Methane	.572	.616	.591	.595	.580	0.591	4.459	
2,4-Dichlorophenol	.286	.317	.302	.295	.307	0 301	3 944	*
1,2,4-Trichlorobenzene	.348	.348	.346	.335	.333	0.342	2.130	
Naphthalene	1.197	1.143	1.139	1.073	1.040	1.118	5.517	
4-Chloroaniline	.411	.429	.471	.489	.449	0.450	6.959	
Hexachlorobutadiene	.204	.202	.188	.174	.183	0.190	6.679	*
4-Chloro-3-Methylphenol	.429	.501	.474	.474	.456	0.467	5.705	*
2-Methylnaphthalene	.629	.641	.603	.582	.575	0.606	4.708	
Hexachlorocyclopentadiene	.173	.272	.287	.274	.290	0.259	18.889	* *
2,4,6-Trichlorophenol	.408	.385	.386	.349	.367	0.379	5.846	*
2,4,5-Trichlorophenol	.408	.385	.386	.349	.367	0.379	5.846	
2-Chloronaphthalene	1.268	1.208	1.211	1.072	1.004	1.153	9.522	
2-Nitroaniline	.601	.637	.709	.724	.743	0.683	8 941	
Dimethyl Phthalate	1.388	1.343	1.390	1.267	1.094	1.296	9.525	
Acenaphthylene	2.098	1.894	1.814	1.778	1.696	1.856	8.240	
3-Nitroaniline	.323	.331	.348	.309	.347	0.347	7.363	
Acenaphthene	1.260	1.141	1.144	1.060	1.104	1.142	6.513	*
2,4-Dinitrophenol	.099	.070	.083	.095	.059	0.081	20.932	* *
4-Nitrophenol	.262	.285	.323	.391	.440	0 340	21.824	* *
Dibenzofuran	1.799	1.619	1.639	1.534	1.477	1.614	7.587	
4-Dinitrotoluene	.516	.562	.569	.541	.434	0.524	10.497	
-Dinitrotoluene	.273	.294	.280	.268	.236	0.270	7.915	

RF - Response Factor (subscript is the amount of nanograms)
Avg RF - Average Response Factor
%RSD - Percent Relative Standard Deviation
CCC - Calibration Compounds (*)

SPCC - System Performance Check Compounds (**)
$ - not detectable at 20ng

Initial Calibration Data
Semivolatile HSL Compounds
(Page 2)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No. Platinum

Instrument ID : OWA M15
Calibration Date : 02/12/86

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	MK860212B15	MI860212B15	MM860213C15	ML860213C15	MJ860212B15			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
Diethylphthalate	1.360	1.470	1.313	1.057	1.119	1.263	13.675	
4-Chlorophenyl-phenylether	.617	.578	.575	.517	.438	0.545	12.774	
Fluorene	1.363	1.319	1.267	1.125	1.147	1.244	8.441	
4-Nitroaniline	.388	.333	.397	.385	.347	0.370	7.562	
4,6-Dinitro-2-Methylphenol	.070	.063	.112	.104	.091	0.088	24.240	
N-Nitrosodiphenylamine(1)	.632	.662	.791	.694	.648	0.686	9.245	*
4-Bromophenyl-phenylether	.301	.320	.390	.318	.375	0.341	11.493	
Hexachlorobenzene	.380	.415	.467	.394	.437	0.419	8.296	
Pentachlorophenol	.179	.200	.208	.198	.213	0.147	8.015	*
Phenanthrene	1.270	1.077	1.481	1.092	1.165	1.217	13.652	
Anthracene	1.037	.959	1.044	.744	.851	0.927	13.854	
Di-n-Butylphthalate	1.355	1.472	1.819	1.493	1.561	1.540	11.224	
Fluoranthene	1.203	1.264	1.201	1.094	1.120	1.192	7.008	*
Pyrene	1.527	1.522	1.403	1.221	1.345	1.364	12.783	
Butylbenzylphthalate	.662	.779	.803	.757	.750	0.750	7.080	
3,3'-Dichlorobenzidine	.346	.389	.417	.420	.424	0.400	8.323	
Benzo(a)Anthracene	1.315	1.309	1.353	1.237	1.253	1.294	3.696	
bis(2-Ethylhexyl)Phthalate	1.041	1.174	1.228	1.138	1.164	1.149	5.963	
Chrysene	1.269	1.246	1.193	1.075	1.030	1.163	9.057	
Di-n-Octyl Phthalate	1.732	2.190	2.212	2.330	2.087	2.110	10.824	*
Benzo(b)Fluoranthene	1.292	1.403	1.376	1.417	1.299	1.359	4.376	
Benzo(k)Fluoranthene	1.292	1.408	1.376	1.417	1.299	1.359	4.376	
Benzo(a)Pyrene	1.108	1.212	1.176	1.226	1.224	1.190	4.145	*
Indeno(1,2,3-cd)Pyrene	1.210	1.496	1.341	1.338	1.626	1.404	11.289	
Dibenz(a,h)Anthracene	1.026	1.236	1.125	1.240	1.321	1.190	9.663	
Benzo(g,h,i)Perylene	.951	1.170	1.014	1.174	1.259	1.114	11.405	
1,2,3,4-Tetrachlorobenzene	.467	.658	.554	.505	.441	0.525	16.272	

RF - Response Factor (subscript is the amount of nanograms)
Avg RF - Average Response Factor
%RSD - Percent Relative Standard Deviation
CCC - Calibration Compounds (*)

SPCC - System Performance Check Compounds (**)
5 - not detectable at 20ng
(1) - Cannot be seperated from diphenylamine

Initial Calibration Data
Semivolatile HSL Compounds
(Page 1)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No. Platinum

Instrument ID : 08A 015
Calibration Date : 05/19/86

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	WI860519W15	WC860519W15	WK860519W15	WJ860519W15	WJ860519W15			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
Phenol	3.618	3.569	3.455	3.247	3.306	3.439	4.681	*
bis(-2-Chloroethyl)Ether	2.782	2.779	2.730	2.697	2.794	2.756	1.584	
2-Chlorophenol	1.768	1.750	1.750	1.805	1.838	1.785	1.978	
1,3-Dichlorobenzene	1.738	1.717	1.708	1.697	1.727	1.717	0.931	
1,4-Dichlorobenzene	1.739	1.763	1.719	1.650	1.688	1.712	2.593	*
Benzyl Alcohol	1.233	1.330	1.369	1.404	1.420	1.351	5.511	
1,2-Dichlorobenzene	1.657	1.609	1.614	1.534	1.567	1.596	2.959	
2-Methylphenol	1.744	1.821	1.787	1.803	1.904	1.812	3.249	
bis(2-chloroisopropyl)Ether	5.660	6.025	5.924	5.861	5.950	5.884	2.350	
4-Methylphenol	1.802	2.059	1.991	1.953	1.983	1.958	4.867	
N-Nitroso-Di-n-Propylamine	2.268	2.276	2.458	2.373	2.416	2.362	3.359	* *
Hexachloroethane	.892	.918	.929	.975	.973	0.937	3.863	
Nitrobenzene	2.798	2.993	2.999	2.975	3.030	2.959	3.105	
Isophorone	1.302	1.395	1.293	1.342	1.365	1.339	3.180	
2-Nitrophenol	.191	.210	.214	.233	.226	0.214	9.349	*
2,4-Dimethylphenol	.340	.349	.337	.359	.371	0.351	3.960	
...zoic Acid	.224	.268	.263	.267	.194	0.238	21.471	
bis(-2-Chloroethoxy)Methane	.603	.635	.626	.653	.644	0.632	3.051	
2,4-Dichlorophenol	.218	.233	.231	.239	.238	0.232	3.703	*
1,2,4-Trichlorobenzene	.237	.234	.237	.233	.231	0.235	1.058	
Naphthalene	1.155	1.103	1.076	1.018	1.018	1.074	5.427	
4-Chloroaniline	.472	.515	.492	.499	.493	0.494	3.164	
Hexachlorobutadiene	.101	.088	.094	.094	.092	0.094	4.998	*
4-Chloro-3-Methylphenol	.434	.438	.456	.455	.451	0.446	2.482	*
2-Methylnaphthalene	.608	.580	.602	.579	.572	0.588	2.693	
Hexachlorocyclopentadiene	.178	.223	.219	.241	.235	0.219	11.230	* *
2,4,6-Trichlorophenol	.275	.323	.316	.397	.390	0.344	14.663	*
2,4,5-Trichlorophenol	.272	.284	.292	.220	.230	0.259	12.577	
2-Chloronaphthalene	1.275	1.240	1.137	1.110	1.102	1.173	6.784	
2-Nitroaniline	.768	.999	.928	.954	1.070	0.943	12.022	
Dimethyl Phthalate	1.410	1.496	1.469	1.466	1.473	1.463	2.180	
Acenaphthylene	2.097	2.101	2.024	1.964	1.967	2.031	3.295	
3-Nitroaniline	.390	.508	.480	.471	.500	0.470	10.017	
Acenaphthene	1.279	1.300	1.323	1.261	1.264	1.285	2.032	*
2,4-Dinitrophenol	.080	.132	.128	.128	.118	0.117	18.316	* *
4-Nitrophenol	.267	.348	.361	.465	.529	0.394	26.184	* *
Dibenzofuran	1.574	1.623	1.579	1.534	1.538	1.569	2.295	
2,4-Dinitrotoluene	.617	.794	.791	.755	.650	0.759	11.428	
2,6-Dinitrotoluene	.274	.345	.296	.262	.255	0.287	12.551	

RF - Response Factor (subscript is the amount of nanograms)
RF - Average Response Factor
...U - Percent Relative Standard Deviation
CCC - Calibration Compounds (*)

SPCC - System Performance Check Compounds (**)
0 - not detectable at 20ng

Initial Calibration Data
Semivolatile BNA Compounds
(Page 2)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No. Platinum

Instrument ID : GCMS #15
Calibration Date : 05/19/86

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	HI860519M15	HG860519M15	HK860519M15	HJ860519M15	HH860519M15			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
Diethylphthalate	1.512	1.410	1.631	1.244	1.252	1.410	11.864	
4-Chlorophenyl-phenylether	.441	.436	.431	.417	.418	0.429	2.549	
Fluorene	1.246	1.345	1.233	1.196	1.189	1.242	5.044	
4-Nitroaniline	.394	.394	.437	.422	.403	0.410	4.627	
4,6-Dinitro-2-Methylphenol	.098	.142	.120	.138	.155	0.131	17.052	
N-Nitrosodiphenylamine(1)	.701	.799	.707	.765	.854	0.765	9.386	*
4-Bromophenyl-phenylether	.178	.209	.188	.173	.222	0.194	10.770	
Hexachlorobenzene	.220	.242	.219	.251	.262	0.239	7.938	
Pentachlorophenol	.109	.140	.124	.134	.148	0.131	11.653	*
Phenanthrene	1.309	1.574	1.359	1.681	1.567	1.504	10.730	
Anthracene	1.137	1.203	1.016	.913	1.037	1.061	10.573	
Di-n-Butylphthalate	2.003	2.412	2.099	2.224	2.409	2.230	8.223	
Fluoranthene	1.162	1.253	1.149	1.169	1.303	1.207	5.571	*
Pyrene	1.890	1.882	1.996	1.834	1.923	1.905	3.161	
Butylbenzylphthalate	1.266	1.393	1.350	1.354	1.333	1.339	3.496	
3,3'-Dichlorobenzidine	.350	.479	.413	.433	.423	0.420	11.037	
Benzo(a)Anthracene	1.414	1.462	1.390	1.492	1.415	1.435	2.898	
bis(2-Ethylhexyl)Phthalate	1.723	2.020	1.889	1.933	1.910	1.895	5.721	
Chrysene	1.276	1.383	1.291	1.190	1.213	1.271	5.961	
Di-n-Octyl Phthalate	3.115	3.616	3.411	3.514	3.549	3.441	5.716	*
Benzo(b)Fluoranthene	1.206	1.213	1.179	1.201	1.168	1.194	1.599	
Benzo(k)Fluoranthene	1.206	1.213	1.179	1.201	1.168	1.194	1.599	
Benzo(a)Pyrene	1.179	1.179	1.189	1.138	1.172	1.166	1.509	*
Indeno(1,2,3-cd)Pyrene	1.216	1.379	1.232	1.232	1.174	1.247	6.256	
Dibenz(a,h)Anthracene	1.021	1.115	1.011	.982	.940	1.014	6.384	
Benzo(g,h,i)Perylene	1.017	1.151	1.029	.995	.916	1.021	8.290	
1,2,3,4-Tetrachlorobenzene	.159	.149	.155	.147	.146	0.151	3.703	

RF - Response Factor (subscript is the amount of nanograms)
RF - Average Response Factor
%RSD - Percent Relative Standard Deviation
CCC - Calibration Compounds (*)

SPCC - System Performance Check Compounds (**)
B - not detectable at 20ng
(1) - Cannot be seperated from diphenylamine

Initial Calibration Data
Semivolatile HSL Compounds
(Page 1)

Case No: URS West
Contractor: ComputChem Laboratories
Contract No. Platinum

Instrument ID : OWR #15
Calibration Date : 05/20/86

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	WK860521C15	WC860520B15	WJ860521C15	WI860521C15	WH860520B15			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
Phenol	2.666	2.597	3.111	3.316	2.765	2.891	10.693	*
bis(-2-Chloroethyl)Ether	2.177	2.211	2.356	2.356	2.292	2.278	3.612	
2-Chlorophenol	1.594	1.600	1.690	1.714	1.635	1.647	3.264	
1,3-Dichlorobenzene	1.699	1.659	1.656	1.665	1.619	1.660	1.721	
1,4-Dichlorobenzene	1.792	1.751	1.595	1.628	1.558	1.665	6.098	*
Benzyl Alcohol	1.035	1.124	1.223	1.224	1.142	1.150	6.828	
1,2-Dichlorobenzene	1.593	1.610	1.574	1.593	1.527	1.580	2.041	
2-Methylphenol	1.407	1.491	1.611	1.644	1.526	1.536	6.179	
bis(2-chloroisopropyl)Ether	3.201	3.778	4.410	4.829	4.127	4.089	14.307	
4-Methylphenol	1.499	1.631	1.672	1.658	1.492	1.590	5.532	
N-Nitroso-Di-n-Propylamine	1.404	1.607	1.870	2.104	1.860	1.769	15.211	**
Hexachloroethane	.778	.791	.830	.881	.847	0.826	5.103	
robenzene	1.808	2.071	2.460	2.529	2.293	2.233	13.257	
sophorone	.892	1.034	1.050	1.118	1.011	1.021	8.083	
2-Nitrophenol	.206	.209	.222	.225	.214	0.215	3.735	*
2,4-Dimethylphenol	.357	.357	.361	.352	.346	0.355	1.621	
Benzoic Acid	.171	.191	.231	.242	.219	0.211	13.043	
bis(-2-Chloroethoxy)Methane	.469	.510	.545	.553	.537	0.523	6.560	
2,4-Dichlorophenol	.244	.260	.254	.246	.249	0.250	2.609	*
1,2,4-Trichlorobenzene	.316	.304	.275	.276	.275	0.289	6.763	
Naphthalene	1.128	1.095	1.007	1.005	.865	1.020	10.004	
4-Chloroaniline	.386	.408	.440	.450	.411	0.419	6.163	
Hexachlorobutadiene	.144	.141	.125	.122	.124	0.131	8.130	*
4-Chloro-3-Methylphenol	.326	.327	.395	.410	.350	0.362	10.804	*
2-Methylnaphthalene	.618	.610	.597	.591	.557	0.595	3.943	
Hexachlorocyclopentadiene	.250	.302	.280	.291	.297	0.284	7.334	**
2,4,6-Trichlorophenol	.322	.338	.357	.341	.337	0.339	3.766	*
2,4,5-Trichlorophenol	.322	.338	.357	.341	.337	0.339	3.766	
2-Chloronaphthalene	1.290	1.275	1.224	1.153	1.158	1.220	5.232	
2-Nitroaniline	.361	.452	.598	.768	.612	0.558	20.106	
Dimethyl Phthalate	1.334	1.311	1.439	1.410	1.301	1.359	4.548	
Acenaphthylene	1.857	1.926	1.915	1.911	1.760	1.874	3.667	
3-Nitroaniline	.292	.330	.394	.447	.384	0.369	16.327	
Acenaphthene	1.372	1.270	1.215	1.218	1.139	1.243	6.929	*
2,4-Dinitrophenol	.131	.124	.128	.148	.130	0.132	7.097	**
4-Nitrophenol	.207	.225	.286	.315	.235	0.253	17.824	**
Dibenzofuran	1.542	1.620	1.592	1.571	1.449	1.555	4.219	
4-Dinitrotoluene	.319	.425	.504	.593	.478	0.464	21.831	
o-Dinitrotoluene	.247	.274	.315	307	302	0.289	9.670	

RF - Response Factor (subscript is the amount of nanograms)
Avg RF - Average Response Factor
%RSD - Percent Relative Standard Deviation
CCC - Calibration Compounds (*)

SPCC - System Performance Check Compounds (**)
6 - not detectable at 20ng

Initial Calibration Data
Semivolatile MSL Compounds
(Page 2)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No. Platinum

Instrument ID : GWA #15
Calibration Date : 05/20/86

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	MK860521C15	MG860520B15	MJ860521C15	MI860521C15	MH860520B15			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
Diethylphthalate	1.231	1.156	1.214	1.449	1.041	1.218	12.213	
4-Chlorophenyl-phenylether	.529	.526	.523	.508	.478	0.513	4.093	
Fluorene	1.234	1.263	1.205	1.175	1.081	1.191	5.881	
4-Nitroaniline	.283	.298	.378	.422	.313	0.339	17.337	
4,6-Dinitro-2-Methylphenol	.108	.121	.134	.171	.150	0.137	18.037	
N-Nitrosodiphenylamine(1)	.625	.673	.672	.773	.753	0.699	8.852	*
4-Bromophenyl-phenylether	.219	.269	.290	.279	.242	0.249	9.357	
Hexachlorobenzene	.290	.341	.289	.338	.354	0.322	9.462	
Pentachlorophenol	.135	.172	.152	.192	.175	0.165	13.204	*
Phenanthrene	1.223	1.283	1.298	1.526	1.472	1.360	9.629	
Anthracene	.974	1.003	.962	1.068	1.007	1.003	4.129	
Di-n-Butylphthalate	1.286	1.501	1.640	1.960	1.703	1.618	15.391	
Fluoranthene	1.019	1.120	1.107	1.299	1.180	1.145	9.049	*
Pyrene	1.869	1.667	1.571	1.421	1.517	1.609	10.590	
Butylbenzylphthalate	.713	.784	.855	.866	.830	0.810	7.728	
3,3'-Dichlorobenzidine	.303	.371	.423	.454	.435	0.397	15.425	
Benzo(a)Anthracene	1.224	1.272	1.279	1.300	1.256	1.265	2.186	
bis(2-Ithylhexyl)Phthalate	1.037	1.189	1.265	1.312	1.299	1.209	8.761	
Chrysene	1.168	1.135	1.167	1.143	1.172	1.157	1.435	
Di-n-Octyl Phthalate	1.555	2.151	2.284	2.291	2.406	2.137	15.817	*
Benzo(b)Fluoranthene	1.442	1.361	1.452	1.389	1.407	1.410	2.663	
Benzo(k)Fluoranthene	1.179	1.149	.947	.924	1.036	1.047	10.914	
Benzo(a)Pyrene	1.050	1.132	1.157	1.148	1.160	1.134	4.387	*
Indeno(1,2,3-cd)Pyrene	1.047	1.285	1.329	1.429	1.419	1.302	11.080	
Dibenz(a,h)Anthracene	.877	1.054	1.093	1.153	1.152	1.066	10.657	
Benzo(g,h,i)Perylene	.865	1.045	1.071	1.180	1.146	1.061	11.360	
1,2,3,4-Tetrachlorobenzene	.227	.226	.207	.199	.188	0.209	8.147	

RF - Response Factor (subscript is the amount of nanograms)
Avg RF - Average Response Factor
%RSD - Percent Relative Standard Deviation
CCC - Calibration Compounds (*)

SPCC - System Performance Check Compounds (**)
5 - not detectable at 20ng
(1) - Cannot be seperated from diphenylamine

C. Continuing Calibration (Form VII) — in order: VOA, BNA; by instrument if more than one instrument used.

1. When more than one Continuing Calibration is performed, forms must be in chronological order.

Continuing Calibration Check
Volatile HSL Compounds

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID: DWA #18

Calibration Date: 05/15/96
Time: 13:06
Laboratory ID: GTB605I5A18
Initial Calabration Date: 05/07/96

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Chloromethane	0.679	0.686	-0.986		**
Bromomethane	1.027	1.199	-16.249		
Vinyl Chloride	0.755	0.685	9.242	*	
Chloroethane	0.401	0.440	-9.735		
Methylene Chloride	1.159	1.033	10.903		
Acetone	0.477	0.330	30.766		
Carbon Disulfide	2.783	2.315	16.836		
1,1-Dichloroethene	0.956	0.916	4.214	*	
1,1-Dichloroethane	1.672	1.553	7.146		**
Trans-1,2-Dichloroethene	1.104	1.033	6.463		
Chloroform	2.462	2.214	10.064	*	
1,2-Dichloroethane	1.852	1.623	12.335		
2-Butanone	0.034	0.027	20.527		
1,1,1-Trichloroethane	0.504	0.463	8.179		
Carbon Tetrachloride	0.539	0.603	-11.908		
Vinyl Acetate	0.380	0.274	27.943		
Bromodichloromethane	0.566	0.527	6.973		
1,2-Dichloropropane	0.250	0.279	-11.323	*	
Trans-1,3-Dichloropropene	0.408	0.405	0.808		
Trichloroethene	0.384	0.440	-14.479		
Dibromochloromethane	0.499	0.612	-22.527		
1,1,2-Trichloroethane	0.268	0.299	-11.613		
Benzene	0.744	0.662	11.057		
cis-1,3-Dichloropropene	0.313	0.303	3.071		
2-Chloroethylvinylether	0.206	0.193	6.125		
Bromoform	0.415	0.486	-16.931		**
2-Hexanone	0.348	0.351	-0.890		
4-Methyl-2-pentanone	0.447	0.483	-8.079		
Tetrachloroethene	0.409	0.459	-12.301		
1,1,2,2-Tetrachloroethane	0.585	0.547	6.547		**
Toluene	0.519	0.525	-1.272	*	
Chlorobenzene	0.823	0.839	-1.957		**
Ethylbenzene	0.477	0.421	11.719	*	
Styrene	0.949	1.006	-6.545		
TOTAL XYLENES (As meta)	0.561	0.637	-13.562		

RF(50) - Response Factor from daily standard file 50 ug/l
Avg RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
Volatile HSL Compounds

Case No: URS West
Factor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : OWA #10

Calibration Date: 05/15/86
Time: 00:26
Laboratory ID : GS860515C10
Initial Calabration Date: 05/07/86

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Chloromethane	0.679	0.925	-36.170		**
Bromomethane	1.027	1.296	-26.180		
Vinyl Chloride	0.755	0.885	-17.134	*	
Chloroethane	0.401	0.489	-22.091		
Methylene Chloride	1.159	0.920	20.624		
Acetone	0.477	0.361	24.281		
Carbon Disulfide	2.783	1.773	36.289		
1,1-Dichloroethene	0.956	0.974	-1.809	*	
1,1-Dichloroethane	1.672	1.597	4.515		**
Trans-1,2-Dichloroethene	1.104	1.089	1.439		
Chloroform	2.462	2.278	7.465	*	
1,2-Dichloroethane	1.852	1.678	9.392		
2-Butanone	0.034	0.029	16.129		
1,1,1-Trichloroethane	0.504	0.504	0.000		
Carbon Tetrachloride	0.539	0.671	-24.522		
Vinyl Acetate	0.380	0.289	23.781		
Bromodichloromethane	0.566	0.577	-1.889		
1,2-Dichloropropane	0.251	0.283	-12.639	*	
cis-1,3-Dichloropropene	0.400	0.441	-7.900		
Trichloroethene	0.384	0.477	-24.270		
Dibromochloromethane	0.499	0.684	-36.944		
1,1,2-Trichloroethane	0.268	0.331	-23.674		
Benzene	0.744	0.696	6.516		
cis-1,3-Dichloropropene	0.313	0.331	-5.886		
2-Chloroethylvinylether	0.206	0.211	-2.625		
Bromoform	0.415	0.551	-32.779		**
2-Hexanone	0.348	0.328	5.943		
4-Methyl-2-pentanone	0.447	0.444	0.693		
Tetrachloroethene	0.409	0.493	-20.445		
1,1,2,2-Tetrachloroethane	0.585	0.623	-6.478		**
Toluene	0.519	0.563	-8.500	*	
Chlorobenzene	0.823	0.904	-9.931		**
Ethylbenzene	0.477	0.447	6.352	*	
Styrene	0.944	0.753	20.252		
TOTAL XYLENES (As meta)	0.561	0.485	13.527		

RF(50) - Response Factor from daily standard file 50 ug/l
RF - Average Response factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : CMA #19

Calibration Date: 05/20/86
Time: 05:09
Laboratory ID : GU860520C19
Initial Calabration Date: 05/16/86

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Chloromethane	0.743	0.596	19.819		**
Bromomethane	1.794	1.298	27.671		
Vinyl Chloride	0.948	0.867	8.596	*	
Chloroethane	0.558	0.451	19.290		
Methylene Chloride	1.125	1.213	-7.840		
Acetone	0.250	0.316	-26.389		
Carbon Disulfide	2.086	2.063	1.112		
1,1-Dichloroethene	1.033	0.937	9.228	*	
1,1-Dichloroethane	1.262	1.353	-7.218		**
Trans-1,2-Dichloroethene	1.141	1.042	8.743		
Chloroform	2.462	2.468	-0.235	*	
1,2-Dichloroethane	1.374	1.441	-4.913		
2-Butanone	0.024	0.025	-3.361		
1,1,1-Trichloroethane	0.566	0.512	9.501		
Carbon Tetrachloride	0.713	0.563	21.031		
Vinyl Acetate	0.221	0.202	8.782		
Bromodichloromethane	0.562	0.512	8.862		
1,2-Dichloropropane	0.226	0.213	6.015	*	
Trans-1,3-Dichloropropene	0.369	0.326	11.592		
richloroethene	0.504	0.396	21.397		
ibromochloromethane	0.647	0.463	28.476		
1,1,2-Trichloroethane	0.352	0.285	19.136		
Benzene	0.619	0.569	8.170		
cis-1,3-Dichloropropene	0.249	0.214	14.073		
2-Chloroethylvinylether	0.134	0.118	11.892		
Bromoform	0.483	0.315	34.699		**
2-Hexanone	0.202	0.162	19.722		
4-Methyl-2-pentanone	0.274	0.207	24.617		
Tetrachloroethene	0.530	0.419	20.827		
1,1,2,2-Tetrachloroethane	0.576	0.497	13.705		**
Toluene	0.601	0.527	12.381	*	
Chlorobenzene	0.989	0.808	18.323		**
Ethylbenzene	0.485	0.410	15.419	*	
Styrene	1.163	0.803	30.959		
TOTAL XYLENES (As meta)	0.786	0.529	32.739		

RF(50) - Response Factor from daily standard file 50 ug/l
Avg RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 1)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : GWA #15

Calibration Date: 05/16/86
Time: 06:43
Laboratory ID : MS860516C15
Initial Calibration Date: 02/12/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Phenol	2.691	3.165	-11.385	*	
bis(2-Chloroethyl)Ether	2.662	2.181	18.093		
2-Chlorophenol	1.716	1.679	2.162		
1,3-Dichlorobenzene	1.624	1.586	2.345		
1,4-Dichlorobenzene	1.721	1.648	4.224	*	
Benzyl Alcohol	0.940	1.221	-29.887		
1,2-Dichlorobenzene	1.528	1.527	-0.039		
2-Methylphenol	1.386	1.559	-12.528		
bis(2-chloroisopropyl)Ether	4.317	3.677	14.825		
4-Methylphenol	1.779	1.798	-1.386		
N-Nitroso-Di-n-Propylamine	2.025	1.707	15.663		**
Hexachloroethane	0.834	0.832	0.296		
Nitrobenzene	2.529	2.261	10.560		
Isophorone	1.086	1.009	7.061		
2-Nitrophenol	0.244	0.213	12.653	*	
Dimethylphenol	0.314	0.343	-9.311		
...zoic Acid	0.199	0.199	0.005		
bis(2-Chloroethoxy)Methane	0.581	0.541	6.921		
2,4-Dichlorophenol	0.301	0.260	13.574	*	
1,2,4-Trichlorobenzene	0.312	0.300	13.401		
Naphthalene	1.132	1.102	1.377		
4-Chloroaniline	0.450	0.428	5.000		
Hexachlorobutadiene	0.190	0.145	23.787	*	
4-Chloro-3-Methylphenol	0.467	0.383	17.916	*	
2-Methylnaphthalene	0.606	0.626	-3.200		
Hexachlorocyclopentadiene	0.259	0.326	-25.869		**
2,4,6-Trichlorophenol	0.379	0.430	-13.562	*	
2,4,5-Trichlorophenol	0.379	0.377	0.580		
2-Chloronaphthalene	1.153	1.274	-10.577		
2-Nitroaniline	0.603	0.622	8.892		
Dimethyl Phthalate	1.296	1.531	-18.073		
Acenaphthylene	1.856	2.018	-8.750		
3-Nitroaniline	0.347	0.433	-24.726		
Acenaphthene	1.142	1.220	-6.838	*	
2,4-Dinitrophenol	0.081	0.113	-39.307		**
4-Nitrophenol	0.340	0.275	18.981		**
Dibenzofuran	1.614	1.759	-9.036		
2,4-Dinitrotoluene	0.574	0.572	0.457		
2,6-Dinitrotoluene	0.270	0.345	-27.804		

RF(50) - Response Factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 2)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : OWA HIS

Calibration Date: 05/16/86
Time: 08 47
Laboratory ID HG860516C15
Initial Calabration Date: 02/12/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Diethylphthalate	1.265	1 342	-6.209		
4-Chlorophenyl-phenylether	0.545	0.577	-5.819		
Fluorene	1.244	1.261	-1.382		
4-Nitroaniline	0.370	0.383	-3.516		
4,6-Dinitro-2-Methylphenol	0.088	0.114	-29.738		
N-nitrosodiphenylamine(1)	0.686	0.646	5.747	*	
4-Bromophenyl-phenylether	0.341	0.252	26 005		
Hexachlorobenzene	0.419	0.311	25.686		
Pentachlorophenol	0.197	0 167	15.310	*	
Phenanthrene	1.217	1 279	-4.716		
Anthracene	0 927	0 933	-0.614		
Di-n-Butylphthalate	1.548	1.760	-10.429		
Fluoranthene	1 192	1.228	-3 969	*	
Pyrene	1.364	1.504	-10.325		
Butylbenzylphthalate	0.750	0.875	-16.715		
-Dichlorobenzidine	0.400	0.381	4.729		
zo(a)Anthracene	1.294	1.271	1.768		
bis(2-Ethylhexyl)Phthalate	1.149	1.240	-7.928		
Chrysene	1.163	1.088	6.396		
Di-n-Octyl Phthalate	2.110	2 422	-14.786	*	
Benzo(b)Fluoranthene	1.359	1.528	-12.474		
Benzo(k)Fluoranthene	1.355	0 840	38.155		
Benzo(a)Pyrene	1.190	1.087	8 650	*	
Indeno(1,2,3-cd)Pyrene	1.404	1.266	9.801		
Dibenzo(a,h)Anthracene	1.190	0.990	16.770		
Benzo(g,h,i)Perylene	1.114	0.975	12.411		
1,2,3,4-Tetrachlorobenzene	0.525	0.246	53 210		

RF(50) - Response Factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration, Form 07
%D - Percent Difference

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
(1) - Cannot be seperated from diphenylamine

Continuing Calibration Check
Semivolatile NSL Compounds
(Page 1)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : GHA #15

Calibration Date: 05/16/86
Time: 19:05
Laboratory ID : HG8605160?5
Initial Calabration Date: 02/12/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Phenol	2.091	2.722	4.194	*	
bis(-2-Chloroethyl)Ether	2 662	2 193	17 599		
2-Chlorophenol	1.716	1.562	8.609		
1,3-Dichlorobenzene	1.629	1.671	-2.881		
1,4-Dichlorobenzene	1.721	1.669	3.039	*	
Benzyl Alcohol	0.946	0.889	6.392		
1,2-Dichlorobenzene	1.521	1.553	-2.150		
2-Methylphenol	1.386	1.510	-8 956		
bis(2-chloroisopropyl)Ether	4 317	2.852	33.936		
4-Methylphenol	1.774	1 563	11 895		
N-Nitroso-Di-n-Propylamine	2 025	1.536	24 109		**
Hexachloroethane	0.838	0.787	6.016		
Nitrobenzene	2 526	2.151	14 919		
Isophorone	1.086	0.998	8.074		
2-Nitrophenol	0.244	0.201	17.459	*	
Dimethylphenol	0 314	0.356	-13.616		
Benzoic Acid	0.199	0.178	10.407		
bis(-2-Chloroethoxy)Methane	0.581	0.497	14 339		
2,4-Dichlorophenol	0 301	0.233	22 769	*	
1,2,4-Trichlorobenzene	0.347	0.384	17.023		
Naphthalene	1.116	1 046	6 406		
4-Chloroaniline	0.450	0.429	5.050		
Hexachlorobutadiene	0 190	0.156	17 736	*	
4-Chloro-3-Methylphenol	0.467	0.476	-2.014	*	
2-Methylnaphthalene	0.606	0.618	-2.012		
Hexachlorocyclopentadiene	0.259	0.332	-28.032		**
2,4,6-Trichlorophenol	0.379	0.334	11 899	*	
2,4,5-Trichlorophenol	0.379	0.334	11.899		
2-Chloronaphthalene	1.153	1.280	-11.086		
2-Nitroaniline	0.683	0.476	30.339		
Dimethyl Phthalate	1.296	1.433	-10.560		
Acenaphthylene	1.856	2.055	-10.732		
3-Nitroaniline	0.347	0.354	-1.755		
Acenaphthene	1.142	1.320	-15.580	*	
2,4-Dinitrophenol	0.081	0.110	-35.352		**
4-Nitrophenol	0.340	0.238	30.047		**
Dibenzofuran	1.614	1.659	-2.788		
2,4-Dinitrotoluene	0.528	0.472	9.956		
2,6-Dinitrotoluene	0.270	0.289	-6.937		

RF(50) - Response Factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 2)

Case No. URS West
Contractor. CompuChem Laboratories
Contract No: Platinum
Instrument ID : OWA #15

Calibration Date 05/16/86
Time. 19.05
Laboratory ID . M6860516D15
Initial Calabration Date. 02/12/86

Minimun RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Diethylphthalate	1.263	1.476	-16.909		
4-Chlorophenyl-phenylether	0.545	0.551	-1.211		
Fluorene	1.249	1.285	-3.311		
4-Nitroaniline	0.370	0.319	13.686		
4,6-Dinitro-2-Methylphenol	0.088	0 117	-32.803		
N-Nitrosodiphenylamine(1)	0.686	0.693	-1.094	*	
4-Bromophenyl-phenylether	0.341	0.263	23.363		
Hexachlorobenzene	0 419	0.400	4.538		
Pentachlorophenol	0.197	0.177	10 172	*	
Phenanthrene	1.217	1.401	-15 142		
Anthracene	0.927	1.106	-19.259		
Di-n-Butylphthalate	1.500	1.834	-19.106		
Fluoranthene	1.192	1.306	-9.571	*	
Pyrene	1.364	1 546	-13.361		
Butylbenzylphthalate	0.750	0.783	-5.069		
3,3'-Dichlorobenzidine	0 400	0.449	-12.413		
Benzo(a)Anthracene	1.294	1.356	-4 831		
bis(2-Ethylhexyl)Phthalate	1.149	1.245	-8.389		
Chrysene	1.163	1.239	-6 519		
Di-n-Octyl Phthalate	2.130	1.938	9 14;	*	
Benzo(b)Fluoranthene	1.359	1.359	0.000		
Benzo(k)Fluoranthene	1.359	0 884	34 946		
Benzo(a)Pyrene	1.190	1.177	1.059	*	
Indeno(1,2,3-cd)Pyrene	1.404	1.401	0.192		
Dibenz(a,h)Anthracene	1 190	1 121	5.783		
Benzo(g,h,i)Perylene	1.114	1.151	-3.376		
1,2,3,4-Tetrachlorobenzene	0.525	0.224	57.344		

a(50) - Response factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration Form VI
%D - Percent Difference

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
(1) - Cannot be separated from diphenylamine

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 1)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : GMA #15

Calibration Date: 05/20/86
Time: 00:18
Laboratory ID : MG860520C15
Initial Calabration Date: 05/19/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RT	RF(50)	%D	CCC	SPCC
Phenol	3.439	2.696	21.595	*	
bis(-2-Chloroethyl)Ether	2.756	2.085	24.369		
2-Chlorophenol	1.785	1.722	3.551		
1,3-Dichlorobenzene	1.717	1.663	3.133		
1,4-Dichlorobenzene	1.712	1.704	0.461	*	
Benzyl Alcohol	1.351	1.140	15.639		
1,2-Dichlorobenzene	1.596	1.560	2.236		
2-Methylphenol	1.812	1.478	18.425		
bis(2-chloroisopropyl)Ether	5.884	3.325	43.491		
4-Methylphenol	1.958	1.835	6.272		
N-Nitroso-Di-n-Propylamine	2.362	1.618	31.497		**
Hexachloroethane	0.937	0.846	9.730		
Nitrobenzene	2.959	2.176	26.449		
Isophorone	1.339	1.109	17.203		
2-Nitrophenol	0.219	0.246	-14.692	*	
2,4-Dimethylphenol	0.351	0.345	1.907		
Benzoic Acid	0.238	0.255	-7.196		
bis(-2-Chloroethoxy)Methane	0.632	0.534	15.456		
-Dichlorophenol	0.232	0.276	-19.033	*	
,4-Trichlorobenzene	0.235	0.301	-28.187		
Naphthalene	1.074	1.080	-0.530		
4-Chloroaniline	0.494	0.477	3.440		
Hexachlorobutadiene	0.094	0.094	0.319	*	
4-Chloro-3-Methylphenol	0.446	0.371	16.853	*	
2-Methylnaphthalene	0.588	0.598	-1.786		
Hexachlorocyclopentadiene	0.219	0.330	-50.593		**
2,4,6-Trichlorophenol	0.349	0.359	-2.969	*	
2,4,5-Trichlorophenol	0.259	0.354	-36.584		
2-Chloronaphthalene	1.173	1.260	-7.410		
2-Nitroaniline	0.943	0.582	38.344		
Dimethyl Phthalate	1.463	1.382	5.510		
Acenaphthylene	2.031	1.995	1.767		
3-Nitroaniline	0.470	0.403	14.240		
Acenaphthene	1.285	1.199	6.698	*	
2,4-Dinitrophenol	0.117	0.113	4.173		**
4-Nitrophenol	0.394	0.274	30.416		**
Dibenzofuran	1.569	1.583	-0.834		
2,4-Dinitrotoluene	0.759	0.558	26.511		
2,6-Dinitrotoluene	0.287	0.311	-8.411		

RF(50) - Response factor from daily standard file at concentration indicated
RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 2)

Case No: URS West
ntractor: CompuChem Laboratories
ntract No: Platinum
Instrument ID : GWA #15

Calibration Date: 05/20/86
Time: 00:18
Laboratory ID : HS860520C15
Initial Calabration Date: 05/19/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Diethylphthalate	1.410	1.394	1.170		
4-Chlorophenyl-phenylether	0.429	0.519	-21.017		
Fluorene	1.242	1.242	0.008		
4-Nitroaniline	0.410	0.321	21.672		
4,6-Dinitro-2-Methylphenol	0.131	0.138	-5.440		
N-Nitrosodiphenylamine(1)	0.765	0.765	0.052	*	
4-Bromophenyl-phenylether	0.194	0.296	-52.628		
Hexachlorobenzene	0.239	0.391	-63.594		
Pentachlorophenol	0.131	0.130	0.382	*	
Phenanthrene	1.504	1.398	7.027		
Anthracene	1.061	1.021	3.741		
Di-n-Butylphthalate	2.230	1.590	28.705		
Fluoranthene	1.207	1.242	-2.899	*	
Pyrene	1.905	1.579	17.133		
Butylbenzylphthalate	1.339	0.740	44.716		
3,3'-Dichlorobenzidine	0.420	0.444	-5.694		
Benzo(a)Anthracene	1.435	1.313	8.483		
bis(2-Ithylhexyl)Phthalate	1.895	1.056	44.247		
ysene	1.271	1.059	16.653		
n-Octyl Phthalate	3.441	2.717	21.046	*	
Benzo(b)Fluoranthene	1.194	1.142	4.331		
Benzo(k)Fluoranthene	1.194	1.142	4.331		
Benzo(a)Pyrene	1.166	1.089	6.606	*	
Indeno(1,2,3-cd)Pyrene	1.247	1.397	-12.041		
Dibenz(a,h)Anthracene	1.014	1.136	-12.025		
Benzo(g,h,i)Perylene	1.021	1.148	-12.366		
1,2,3,4-Tetrachlorobenzene	0.151	0.213	-40.900		

RF(50) - Response Factor from daily standard file at concentration indicated
, RF - Average Response Factor from initial calibration Form VI
%D - Percent Difference

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
(1) - Cannot be seperated from diphenylamine

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 1)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : DWA MS

Calibration Date: 05/22/86
Time: 09:59
Laboratory ID : NGB605220|5
Initial Calabration Date: 05/20/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Phenol	2.891	2.997	-3.670	*	
bis(-2-Chloroethyl)Ether	2.278	2.486	-9.103		
2-Chlorophenol	1.647	1.769	-7.440		
1,3-Dichlorobenzene	1.660	1.709	-2.994		
1,4-Dichlorobenzene	1.665	1.635	1.779	*	
Benzyl Alcohol	1 150	1.354	-17 772		
1,2-Dichlorobenzene	1 589	1.593	-0.873		
2-Methylphenol	1.536	1.651	-7 499		
bis(2-chloroisopropyl)Ether	4.009	5.016	-22.660		
4-Methylphenol	1.590	1.819	-14 349		
N-Nitroso-Di-n-Propylamine	1.769	2.062	-16.545		**
Hexachloroethane	0 826	0.860	-4.238		
Nitrobenzene	2.233	2.724	-21.968		
Isophorone	1.071	1.091	-6.885		
o-Nitrophenol	0.215	0.228	-5.901	*	
-Dimethylphenol	0.355	0.369	-3.608		
enzoic Acid	0.211	0.283	-34.193		
bis(-2-Chloroethoxy)Methane	0.523	0 609	-15.553		
2,4-Dichlorophenol	0.250	0.260	-3.624	*	
1,2,4-Trichlorobenzene	0 289	0.270	6 742		
Naphthalene	1.020	1 074	-5.346		
4-Chloroaniline	0.419	0.424	-1.241		
Hexachlorobutadiene	0 131	0.123	6.621	*	
4-Chloro-3-Methylphenol	0.362	0.361	0 276	*	
2-Methylnaphthalene	0.595	0.613	-3.060		
Hexachlorocyclopentadiene	0.284	0.239	17.653		**
2,4,6-Trichlorophenol	0.339	0.379	-11.891	*	
2,4,5-Trichlorophenol	0.339	0.317	6.580		
2-Chloronaphthalene	1.220	1.163	4.712		
2-Nitroaniline	0.558	0.773	-38.391		
Dimethyl Phthelate	1.359	1.406	-3.421		
Acenaphthylene	1.874	1.924	-2.689		
3-Nitroaniline	0.369	0.396	-7.256		
Acenaphthene	1 243	1.221	1.730	*	
2,6-Dinitrophenol	0.132	0.133	-0.980		**
4-Nitrophenol	0.253	0.299	-18.199		**
Dibenzofuran	1.555	1.595	-2.592		
2,4-Dinitrotoluene	0.469	0.613	-32.002		
2,6-Dinitrotoluene	0.289	0 316	-9.307		

RF(50) - Response factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 2)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : OWA #15

Calibration Date: 05/29/86
Time: 00:59
Laboratory ID : MG860522C15
Initial Calibration Date: 05/25/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Diethylphthalate	1.218	1.317	-8.134		
4-Chlorophenyl-phenylether	0.513	0.499	2.749		
Fluorene	1.191	1.215	-1.955		
4-Nitroaniline	0.339	0.363	-7.115		
4,6-Dinitro-2-Methylphenol	0.137	0.136	0.219		
N-Nitrosodiphenylamine(1)	0.699	0.678	3.017	*	
4-Bromophenyl-phenylether	0.249	0.237	4.905		
Hexachlorobenzene	0.322	0.295	8.351		
Pentachlorophenol	0.165	0.172	-4.297	*	
Phenanthrene	1.360	1.246	8.366		
Anthracene	1.003	1.000	0.309		
Di-n-Butylphthalate	1.618	1.817	-12.305		
Fluoranthene	1.145	1.142	0.274	*	
Pyrene	1.609	1.569	2.479		
Butylbenzylphthalate	0.810	0.969	-19.740		
3,3'-Dichlorobenzidine	0.397	0.423	-6.596		
Benzo(a)Anthracene	1.265	1.284	-1.525		
bis(2-Ethylhexyl)Phthalate	1.209	1.404	-16.118		
Chrysene	1.157	1.261	-9.005		
Di-n-Octyl Phthalate	2.137	2.134	0.173	*	
Benzo(b)Fluoranthene	1.410	1.328	5.849		
Benzo(k)Fluoranthene	1.047	1.042	0.477		
Benzo(a)Pyrene	1.134	1.158	-2.134	*	
Indeno(1,2,3-cd)Pyrene	1.302	1.376	-5.690		
Dibenz(a,h)Anthracene	1.066	1.113	-4.447		
Benzo(g,h,i)Perylene	1.061	1.095	-3.156		
1,2,3,4-Tetrachlorobenzene	0.209	0.209	0.095		

RF(50) - Response factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration Form VI
%D - Percent Difference

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
(1) - Cannot be seperated from diphenylamine

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 1)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No. Platinum
Instrument ID : OMA #15

Calibration Date: 05/22/96
Time: 17:00
Laboratory ID : MS860522B15
Initial Calabration Date 05/20/96

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Phenol	2.891	2.543	12.023	*	
bis(2-Chloroethyl)Ether	2.278	2.566	-12.641		
2-Chlorophenol	1.647	1.653	-0.406		
1,3-Dichlorobenzene	1.660	1.661	-0.066		
1,4-Dichlorobenzene	1.663	1.679	2.168	*	
Benzyl Alcohol	1.150	1.202	-4.522		
1,2-Dichlorobenzene	1.560	1.586	2.133		
2-Methylphenol	1.536	1.687	-9.832		
bis(2-chloroisopropyl)Ether	4.089	4.929	-20.550		
4-Methylphenol	1.590	1.687	-6.093		
N-Nitroso-Di-n-Propylamine	1.769	2.137	-20.773		**
Hexachloroethane	0.826	0.866	-4.844		
Nitrobenzene	2.233	2.630	-17.777		
Isophorone	1.021	1.265	-23.927		
2-Nitrophenol	0.215	0.217	-0.697	*	
2,4-Dimethylphenol	0.355	0.385	-8.514		
Benzoic Acid	0.211	0.275	-30.436		
bis(2-Chloroethoxy)Methane	0.523	0.607	-16.032		
2,4-Dichlorophenol	0.256	0.239	6.512	*	
1,2,4-Trichlorobenzene	0.284	0.272	4.391		
Naphthalene	1.020	1.086	-6.530		
4-Chloroaniline	0.419	0.431	-2.864		
Hexachlorobutadiene	0.131	0.122	6.707	*	
4-Chloro-3-Methylphenol	0.362	0.317	12.226	*	
2-Methylnaphthalene	0.595	0.624	-4.994		
Hexachlorocyclopentadiene	0.284	0.285	-0.245		**
2,4,6-Trichlorophenol	0.339	0.343	-1.150	*	
2,4,5-Trichlorophenol	0.339	0.343	-1.150		
2-Chloronaphthalene	1.220	1.201	1.540		
2-Nitroaniline	0.558	0.867	-55.356		
Dimethyl Phthalate	1.359	1.466	-7.880		
Acenaphthylene	1.879	1.993	-6.612		
3-Nitroaniline	0.369	0.417	-12.862		
Acenaphthene	1.243	1.269	-2.100	*	
2,4-Dinitrophenol	0.132	0.155	-17.108		**
4-Nitrophenol	0.253	0.301	-18.831		**
Dibenzofuran	1.553	1.661	-6.819		
2,6-Dinitrotoluene	0.464	0.724	-56.070		
2,4-Dinitrotoluene	0.289	0.323	-11.764		

RF(50) - Response Factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 2)

Case No: URS West
Contractor: CompuChem Laboratories
Contract No: Platinum
Instrument ID : OWA #15

Calibration Date: 05/22/86
Time: 17:00
Laboratory ID : MC8605522B15
Initial Calabration Date: 03/20/86

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
Diethylphthalate	1.218	1.580	-29.674		
4-Chlorophenyl-phenylether	0.513	0.520	-1.364		
Fluorene	1.191	1.259	-5.707		
4-Nitroaniline	0.339	0.424	-25.243		
4,6-Dinitro-2-Methylphenol	0.137	0.139	-1.602		
N-Nitrosodiphenylamine(1)	0.699	0.647	7.464	*	
4-Bromophenyl-phenylether	0.249	0.218	12.344		
Hexachlorobenzene	0.322	0.280	13.039		
Pentachlorophenol	0.165	0.182	-9.866	*	
Phenanthrene	1.360	1.365	-0.389		
Anthracene	1.003	0.947	5.564		
Di-n-Butylphthalate	1.616	1.845	-14.017		
Fluoranthene	1.145	1.129	1.362	*	
Pyrene	1.609	1.593	1.025		
Butylbenzylphthalate	0.810	1.001	-23.656		
3,3'-Dichlorobenzidine	0.397	0.438	-10.221		
Benzo(a)Anthracene	1.263	1.373	-8.513		
bis(2-Ethylhexyl)Phthalate	1.209	1.450	-19.963		
Chrysene	1.157	1.168	-0.976		
Di-n-Octyl Phthalate	2.137	2.347	-9.806	*	
Benzo(b)Fluoranthene	1.410	1.302	7.714		
Benzo(k)Fluoranthene	1.047	0.939	10.370		
Benzo(a)Pyrene	1.134	1.151	-1.526	*	
Indeno(1,2,3-cd)Pyrene	1.302	1.494	-14.768		
Dibenz(a,h)Anthracene	1.066	1.237	-16.103		
Benzo(g,h,i)Perylene	1.061	1.245	-17.335		
1,2,3,4-Tetrachlorobenzene	0.209	0.204	2.723		

RF(50) - Response Factor from daily standard file at concentration indicated
Avg RF - Average Response Factor from initial calibration Form VI
%D - Percent Difference

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
(1) - Cannot be separated from Diphenylamine

D. Pesticide forms in the following order:

1. Form VIII — Pesticide Evaluation Standards Summary (all GC columns)
2. Form IX — Pesticide/PCB Standard Summary (all GC columns)
3. Form X — Pesticide/PCB Identification (only required for positive results)

Pesticide Evaluation Standards Summary
(Page 1)

Case No. ues WEST Region. _____ Laboratory Compuchem Laboratories

Contract No. Platinum Column DV-101

Date of Analysis 05/21/86 Instrument ID GC# 3 Seq. SEQ22

Evaluation Check for Linearity

Laboratory ID	SD EVMA	SD EVMB	SD EVMC	
Pesticide	Calibration Factor Eval. Mix A	Calibration Factor Eval. Mix B	Calibration Factor Eval. Mix C	% RSD (<= 10%)
ALDRIN	8162125	8123760	8274501	1.34
ENDRIN	5296869	5351025	5494094	1.55
4-4' DDT(1)	4068339	4681446	4375613	4.37
DIBUTYL CHLORENDATE	5649728	5708310	5968760	2.40

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory I.D.	Time of Analysis	Endrin	4,4' DDT	Comments(2)
Eval Mix B 72 Hour	SD EVMB	13:21			2.61
Eval Mix B	SD EVMB	20:38			7.23
Eval Mix B	SD EVMB	2:06			7.67
Eval Mix B	SD EVMB	7:34			7.21
Eval Mix B	SD EVMB	15:05			4.67
Eval Mix B	SD EVMB	20:33			3.45
Eval Mix B	SD EVMB	3:44			6.36
Eval Mix B	SD EVMB	10:2?			7.35
Eval Mix B	SD EVMB	15:48			5.0?
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

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

SMO Sample No.		Lab I.D.	Time of Analysis	Percent Diff.	SMO Sample No.		Lab I.D.	Time of Analysis	Percent Diff.
		SD EVMC	12:53	0.00	5936	MSD Q1	PP 85989 SS	14:37	0.1
		SD EVMB	13:21	0.01			SD EVMB	15:05	0.1
		SD EVMA	13:48	-0.06	5936	Q1197	PP 85913 C	15:32	0.1
		SD 4360	14:15	-0.11	5936	Q1192	PP 86024	15:59	0.1
		SD 4364	14:43	-0.16	5936	Q1189	PP 85915	16:27	0.7
		SD TOXA	15:10	-0.02	5936	Q1191	PP 86024	16:54	0.9
		SD TECm	15:37	-0.01	5936	Q1192	PP 86025	17:21	1.0
		SD ARMX	16:04	0.24			SD 4364	17:49	1.1
		SD 1232	16:32	0.31	5936	Q1194	PP 86026	18:16	1.2
		SD 1221/1254	16:59	0.34	5936	Q1203	PP 86027	18:43	1.2
		SD 1242	17:26	0.46	5936	Q1204	PP 86028	19:11	1.4
		SD 1248	17:54	0.50	5936	BLANK	PP 86141 B1	19:38	1.4
5922	FD433	PP 85319 C	18:21	0.67	5922	BLANK	PP 86116 B1	20:05	1.5
5922	FD732	PP 85327	18:48	0.49			SD EVMB	20:33	1.2
5922	FD435	PP 85333	19:16	0.67	5922	BLANK	PP 86119 B2	21:00	1.5
5922	FD436	PP 85335	19:43	0.56	5922	BS	PP 85331 BS	21:27	1.4
5922	FD438	PP 85336	20:10	N.F.	5922	MS FD4	PP 85332 SS	8:53	1.5
		SD EVMB	20:38	0.77	5922	MSD FD	PP 85334 SS	9:21	1.5
5922	FD441	PP 85338	21:05	0.63			TRACE TEST	0:32	1.5
URS WEST	BLANK	CP 85256 B1	21:32	0.66			SD 4360	1:00	1.6
URS WEST	MS F-S	CP 84997	22:00	0.72	E C JOR-2	BLANK	PP 86067 B2	1:27	1.5
URS WEST	MSD F-	CP 84998	22:27	0.72	5698	BLANK	PP 86090 B1	1:54	1.5
URS WEST	BLANK	CP 85102	22:54	0.62	E C JOR-2	MW-1	PP 85370	2:22	1.5
		SD 4360	23:22	0.85	5698	MSD DC	PP 85899A SS	2:49	1.4
URS WEST	A-SEDI	CP 84986	23:49	0.63	5698	MS DC5	PP 86086 SS	3:16	1.5
URS WEST	B-SEDI	CP 84991	0:16	0.63			SD EVMB	3:44	1.5
URS WEST	D-SEDI	CP 85036	0:44	0.72	MIDCO-1	BLANK	PP 86043 B2	4:11	1.5
URS WEST	E-SEDI	CP 85001	1:11	0.67	5964	BLANK	PP 86034 B1	4:38	1.5
URS WEST	F-SEDI	CP 85002	1:38	0.71	MIDCO-1	BS	PP 86015 B2	5:06	1.5
		SD EVMB	2:06	0.71	MIDCO-1	MS 1WG	PP 86014 SS	5:33	1.5
URS WEST	G-SEDI	CP 85003	2:33	N.F.	MIDCO-1	MSD 1W	PP 86015 SS	6:00	1.6
URS WEST	H-SEDI	CP 85004	3:00	0.68			SD 4364	6:28	1.6
URS WEST	C-SEDI	CP 85005	3:28	0.76	MIDCO-1	1WG1GE	PP 86266 C	6:55	1.5
W.CLYDE	MS MW-	CP 84882R SS	3:55	0.66	MIDCO-1	1WG1GE	PP 86042	7:22	1.4
W.CLYDE	MSD MW	CP 84883R SS	4:22	0.57	MIDCO-1	1WG1MW	PP 86047	7:50	1.4
		SD 4364	4:50	0.64	5964	BS	PP 86016 B3	8:17	1.4
W CLYDE	BLANK	CP 85821 B	5:17	0.66	5964	MS YA4	PP 86170 B3	8:44	1.5
5811-3	MS HAB	CP 85772 SS	5:44	0.60			SD EVMB	9:12	1.4
5811-3	MSD HA	CP 85773 SS	6:12	0.58	5964	MSD YA	PP 86174 SS	9:39	1.4
5811-3	HA893	CP 85766 D	6:39	0.58	5964	YA466	PP 86175 C	10:06	1.4
5811-3	BLANK	CP 85819 B	7:06	0.49	5964	YA465	PP 86177	10:33	1.4
		SD EVMB	7:34	0.47	5964	YA484	PP 86181	11:01	1.4
E C JOR-2	DW-4	CP 85564	8:01	0.44	5964	YA466	PP 86182	11:28	1.4
E C JOR-2	DW-2	CP 85566	8:28	-0.31			SD 4361	11:54	1.3
E C JOR-2	MW-2	CP 85575	8:56	0.29	5964	YA4B1	PP 86183	12:22	1.3
E C JOR-2	BLANK	CP 85798 B	9:23	0.25	5964	YA481	PP 86186	12:50	1.3
5936	BLANK	PP 86142 B2	9:50	0.36	5955-2	BLANK	CP 86124	13:17	1.3
		SD 4360	11:16	0.45	5955-2	BEB08	CP 85839 C	14:53	1.3
5936	Q1195	PP 85896	12:19	0.35	5955-2	MS BE8	CP 85846 SS	15:21	1.3
5936	Q1196	PP 85906	12:55	0.36			SD EVMB	15:48	1.4
5936	BS	PP 85907 BS	13:43	0.20	5955-2	MSD BE	CP 85847 SS	16:22	1.4
5936	MS 011	PP 85908 SS	14:10	0.20	5698	DC565	PP 85893 C	16:51	1.4

Pesticide Evaluation Standards Summary
(Page 3)

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

SMO Sample No.		Lab I.D.	Time of Analysis	Percent Diff.	SMO Sample No.	Lab I.D.	Time of Analysis	Percent Diff
5698	MS DCS	PP 85888R SS	17:17	1.58				
5698	MSD DC	PP B5889R SS	17:44	1.61				
		SD 4364	18:12	1.63				
		SD ARMX L	18:39	1.77				
		SD ARMX M	19:06	1.84				
		SD ARMX H	19:34	N.F.				

Form VIII(Continued)

Pesticide Evaluation Standards Summary
(Page 1)

Case No. URS West Region. _____ Laboratory CompuChem Laboratories

Contract No. PLATINUM Column SP2250-2401

Date of Analysis 05/15/86 Instrument ID GC# 7 Seq. SE074

Evaluation Check for Linearity

Laboratory ID	SD EVMA	SD EVMB	SD EVMC	
Pesticide	Calibration Factor Eval. Mix A	Calibration Factor Eval. Mix B	Calibration Factor Eval. Mix C	% RSD (<= 10%)
ALDRIN	2.47051E+08	2.51359E+08	2.77532E+08	5.21
ENDRIN	1.80220E+08	1.97258E+08	2.01462E+08	4.57
4-4' DDT(1)	1.29968E+08	1.25079E+08	1.26155E+08	1.65
DIBUTYL CHLORENDATE	1.60809E+08	1.64167E+08	1.88341E+08	7.17

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	SD EVMB	21:22	0.38	2.43	
Eval Mix B	SD EVMB	5:18	2.19	1.41	
Eval Mix B	SD EVMB	10:34	1.10	1.95	
Eval Mix B	SD EVMB	15:49	0.66	3.05	
Eval Mix B	SD EVMB	2:08	0.00	2.08	
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.i

Pesticide Evaluation Standards Summary
(Page 2)

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

SMO Sample No.		Lab I.D.	Time of Analysis	Percent Diff.	SMO Sample No		Lab I.D.	Time of Analysis	Percent Diff.
		SD EVMC	20:56	0.00	5811	MSD HA	PP 82725 S5	22:16	0.56
		SD EVMB	21:22	0.09			SD 4364	23:17	0.42
		SD EVMA	21:48	0.11	W.CLYDE	FB	PP 85098	23:56	0.49
		SD 4360	23:09	0.39			PP 84111T	0:25	0.17
		SD 4364	23:36	0.44	E SAS1	BS	PP 84285	0:49	0.32
		SD TOXA	0:02	0.53	E SAS1	MS QD7	PP 84286	1:15	0.27
		SD TECH	0:28	0.51	E SAS1	MSD QD	PP 84287	1:42	0.20
		SD ARMX	0:55	-0.44			SD EVMB	2:08	6.23
		SD 1232	1:21	0.68	E SAS1	QD714	PP 84291	2:34	0.23
		SD 1221/1254	1:47	0.69			SD 4360	3:01	-0.01
		SD 1242	2:14	0.66					
		SD 1248	2:40	0.74					
5898-2	BLANK	CP 84975 B1	3:06	0.65					
5898-2	BLANK	CP 84976 B2	3:33	0.68					
5898-2	BF135	CP 84821	3:59	0.74					
5898-2	BF136	CP 84823	4:25	0.78					
5898-2	BF137	CP 84831	4:51	0.59					
		SD EVMB	5:18	0.52					
5898-2	BF139	CP 84835	5:44	0.54					
5898-2	BF140	CP 84836	6:10	0.63					
5898-2	BF145	CP 84841	6:37	0.71					
5898-2	BF144	CP 84840	7:03	0.51					
5898-2	BF143	CP 84839	7:29	0.56					
		SD 4360	7:56	0.66					
5898-2	BF142	CP 84838	8:22	0.46					
5898-2	BF141	CP 84837	8:48	0.27					
5898-1	BF134	PP 84807	9:15	0.26					
5898-3	BLANK	PP 85259 B2	9:41	0.23					
URS WEST	BLANK	PP 85258 B1	10:07	0.17					
		SD EVMB	10:34	0.10					
URS WEST	BS	PP 84996 BS	11:00	-0.01					
URS WEST	MS F-S	PP 84997 S5	11:26	-0.15					
URS WEST	MSD F-	PP 84998 S5	11:52	-0.21					
URS WEST	F-SED1	PP 85002 0	12:19	-0.17					
5898-3	BS	PP 85168 B5	12:45	-0.20					
		SD 4364	13:11	-0.03					
5898-3	BF149	PP 85169 S5	13:38	-0.07					
5898-3	MSD BF	PP 85170 S5	14:04	0.03					
URS WEST	BLANK	PP 85103 B2	14:30	0.23					
URS WEST	BLANK	PP 85102 B1	14:57	0.21					
URS WEST	A-SED1	PP 84986	15:23	0.26					
		SD EVMB	15:49	0.14					
URS WEST	B-SED1	PP 84990	16:20	0.22					
URS WEST	D-SED1	PP 85000	16:46	0.21					
URS WEST	E-SED1	PP 85001	17:13	0.53					
URS WEST	G-SED1	PP 85003	17:39	0.70					
URS WEST	H-SED1	PP 85004	18:05	0.55					
		SD 4360	18:32	0.44					
URS WEST	C-SED1	PP 85005	18:58	0.61					
W.CLYDE	BLANK	PP 85134 B2	19:24	0.56					
W.CLYDE	BLANK	PP 85133 B1	19:51	0.63					
5811	MS HA7	PP 82724 S5	20:29	0.68					

Pesticide/PCB Standards Summary

Case No. ___urs west___ Laboratory ___CompuChem_ Laboratories_____

Contract No. ___Platinum___ GC Column ___OV-101___ GC Instrument I.D. ___3___

DATE OF ANALYSIS ___05/21/86_____	DATE OF ANALYSIS _05/21/86__
TIME OF ANALYSIS ___14:15_____	TIME OF ANALYSIS __23:22____
LABORATORY ID _____SEQ32 _____	LABORATORY ID _SD 4361 _____

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT	RT	CALIBRATION FACTOR	CONF. OR QUANT	PERCENT DIFF. **
alpha - BHC	1.94	1.91 - 1.98	5538670					
beta - BHC	2.07	2.03 - 2.11	1340818					
delta - BHC	2.34	2.29 - 2.38	6045528					
gamma - BHC	2.27	2.22 - 2.31	8550936		2.25	8122455		6.18
Heptachlor	3.59	3.52 - 3.66	7953044		3.57	7345419		7.64
Aldrin	4.42	4.33 - 4.51	8238931		4.39	8279085		-0.49
Heptachlor Epoxide	5.35	5.25 - 5.46	6936386					
Endosulfan I	6.62	6.49 - 6.76	1.2133E+07		6.57	1.2241E+07		-0.89
Dieldrin	7.70	7.55 - 7.86	7531997		7.64	7597547		-0.87
4-4' - DDE	7.57	7.42 - 7.72	6653275					
Endrin	8.58	8.41 - 8.75	4428484					
Endosulfan II	8.76	8.60 - 8.96	5958359		8.71	5853258		1.76
4-4' DDD	9.59	9.40 - 9.78	1.3033E+07					
Endosulfan Sulfate	11.18	10.96 - 11.40	4326875					
4-4' DDT	12.32	12.07 - 12.56	4574010		12.22	4331763		5.31
Methoxychlor	17.97	17.61 - 18.33	2391225		17.79	2491871		-4.21
Endrin Ketone	14.25	14.00 - 14.58	7046853					
Tech. Clordane	6.10	5.98 - 6.22	1009690					
alpha - Chlordane*	6.73	6.60 - 6.86	6711326					
gamma - Chlordane*	6.10	5.97 - 6.22	6210631		6.05	6791666		-7.91
Toxaphene	9.37	9.18 - 9.56	90679					
Aroclor - 1016	3.14	3.07 - 3.20	218065					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77681					
Aroclor - 1242	3.12	3.06 - 3.18	228718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.08 - 9.45	466646					
Aroclor - 1260	20.02	19.62 - 20.43	970112		1093	138207		-4.76

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENCE)
QUANT. = QUANTITATION (<= 10% DIFFERENCE)

Pesticide/PCB Standards Summary

Case No. URS WEST Laboratory CompuChem Laboratories

Contract No. PLATINUM GC Column OV-101 GC Instrument ID 3

	DATE OF ANALYSIS 05/21/86				DATE OF ANALYSIS 05/22/86			
	TIME OF ANALYSIS 14:15				TIME OF ANALYSIS 4:50			
	LABORATORY ID SEQ32				LABORATORY ID SD 4364			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha - BHC	1.94	1.91 - 1.98	5538670		1.93	5771564		-4.20
beta - BHC	2.07	2.03 - 2.11	1340818		2.06	1435317		-6.54
delta - BHC	2.34	2.29 - 2.38	6045508		2.32	6321787		-4.57
gamma - BHC	2.27	2.22 - 2.31	8550936					
Heptachlor	3.59	3.52 - 3.66	7953044					
Aldrin	4.42	4.33 - 4.51	8238931					
Heptachlor Epoxide	5.35	5.25 - 5.46	6936388		5.31	7076891		-2.03
Endosulfan I	6.62	6.49 - 6.76	1.21332+07					
Dieldrin	7.78	7.55 - 7.86	7531997					
4-4' - DDE	7.57	7.42 - 7.72	6653275		7.51	6685056		-0.48
Endrin	8.58	8.41 - 8.75	4428484		8.52	4667387		-5.39
Endosulfan II	8.78	8.60 - 8.96	5958359					
4-4' DDD	9.59	9.40 - 9.78	1.3032E+07		9.52	1.3816E+07		-5.69
Endosulfan Sulfate	11.18	10.96 - 11.40	432e875		11.11	4532340		-4.72
4-4' DDT	12.32	12.07 - 12.56	4574010					
Methoxychlor	17.97	17.61 - 18.33	2391225					
Endrin Ketone	14.29	14.00 - 14.58	7046653		14.18	7231108		-2.90
Tech. Clordane	6.10	5.98 - 6.22	1969870					
alpha - Chlordane*	6.73	6.68 - 6.86	6711328		6.68	6918948		-2.94
gamma - Chlordane*	6.10	5.97 - 6.22	6210631					
Toxaphene	9.37	9.18 - 9.56	96675					
Aroclor - 1016	3.14	3.07 - 3.20	218065					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77681					
Aroclor - 1242	3.12	3.06 - 3.18	228718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.08 - 9.45	466646					
Aroclor - 1260	20.02	19.62 - 20.43	970112					
Surrogate	11.08	10.86 - 11.30	1320896					

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENCE)
QUANT. = QUANTITATION (<= 10% DIFFERENCE)

FORM 1A

Pesticide/PCB Standards Summary

Case No. URS Whot Laboratory CompuChem Laboratories

Contract No. Platinum GC Column OV-101 GC Instrument ID 3

DATE OF ANALYSIS 05/21/86	DATE OF ANALYSIS 05/22/86
TIME OF ANALYSIS 1415	TIME OF ANALYSIS 1116
LABORATORY ID SEQ32	LABORATORY ID SD 4360

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF OR QUANT.	PERCENT DIFF. *
alpha - BHC	1.94	1.91 - 1.98	5538670					
beta - BHC	2.07	2.03 - 2.11	1540312					
delta - BHC	2.34	2.29 - 2.38	6045528					
gamma - BHC	2.27	2.22 - 2.31	8551938		2.26	8636[illegible]		-3.37
Heptachlor	3.59	3.52 - 3.66	7953044		3.58	8225[illegible]		-3.4[illegible]
Aldrin	4.42	4.33 - 4.51	8238932		4.41	8507462		-4.47
Heptachlor Epoxide	5.35	5.25 - 5.46	6936369					
Endosulfan I	6.62	6.49 - 6.76	1.21332E+07		6.61	1.29182E+07		-6.47
Dieldrin	7.70	7.55 - 7.86	7531997		7.67	8047735		-6.85
4-4' - DDE	7.57	7.42 - 7.72	6653275					
Endrin	8.58	8.41 - 8.75	4428484					
Endosulfan II	8.78	8.60 - 8.96	5956359		8.75	6247765		-4.8[illegible]
4-4' DDD	9.59	9.40 - 9.78	1.30322E+07					
Endosulfan Sulfate	11.18	10.96 - 11.40	4326875					
4-4' DDT	12.32	12.07 - 12.56	4574016		12.27	4010794		4.40
Methoxychlor	17.97	17.61 - 18.33	2391225		17.82	2349692		1.97
Endrin ketone	14.29	14.00 - 14.58	7046853					
Tech. Clordane	6.10	5.98 - 6.22	1009690					
alpha - Chlordane*	6.73	6.60 - 6.86	6711328					
gamma - Chlordane*	6.10	5.97 - 6.22	6211631		6.07	6615197		-6.5[illegible]
Toxaphene	9.37	9.18 - 9.56	90679					
Aroclor - 1016	3.14	3.07 - 3.20	218665					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77681					
Aroclor - 1242	3.12	3.06 - 3.18	228718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.08 - 9.45	466648					
Aroclor - 1260	20.02	19.62 - 20.43	970112					

* SEE EXHIBIT E, PART 7

** CONF = CONFIRMATION (<= 25% DIFFERENCE)
QUANT. = QUANTITATION (<= 10% DIFFERENCE)

FORM IX

Pesticide/PCB Standards Summary

Case No. URS West Laboratory CompuChem Laboratories

Contract No. PLATINUM GC Column OV-101 GC Instrument ID 3

	DATE OF ANALYSIS	TIME OF ANALYSIS	LABORATORY ID
	05/21/86	14:15	SEQ32
	05/22/86	17:49	SD 4364

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha - BHC	1.94	1.91 - 1.96	5536670		1.93	5748055		-3.7
beta - BHC	2.07	2.03 - 2.11	1340818		2.06	1377886		-2.7
delta - BHC	2.34	2.29 - 2.38	6045526		2.32	6506216		-7.6
gamma - BHC	2.27	2.22 - 2.31	6550938					
Heptachlor	3.59	3.52 - 3.66	7953044					
Aldrin	4.42	4.33 - 4.51	8238931					
Heptachlor Epoxide	5.35	5.25 - 5.46	6936366		5.29	7235844		-4.3
Endosulfan I	6.62	6.49 - 6.76	1.2133E+07					
Dieldrin	7.70	7.55 - 7.86	7531997					
4-4' - DDE	7.57	7.42 - 7.72	6653275		7.49	6637648		0.2
Endrin	8.58	8.41 - 8.75	4428464		8.48	4461462		-1.2
Endosulfan II	8.78	8.60 - 8.96	5956359					
4-4' DDD	9.59	9.40 - 9.78	1.3032E+07		9.48	1.3591E+07		-4.2
Endosulfan Sulfate	11.18	10.96 - 11.40	4326875		11.05	4473726		-3.3
4-4' DDT	12.32	12.07 - 12.56	4574016					
Methoxychlor	17.97	17.61 - 18.33	2391225					
Endrin Ketone	14.29	14.01 - 14.56	7046833		14.12	7163831		-1.6
Tech. Chlordane	6.10	5.98 - 6.22	1039696					
alpha - Chlordane*	6.73	6.60 - 6.86	6711328		6.66	6716816		-0.1
gamma - Chlordane*	6.10	5.97 - 6.22	6211631					
Toxaphene	9.37	9.18 - 9.56	98679					
Aroclor - 1016	3.14	3.07 - 3.21	218865					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77681					
Aroclor - 1242	3.12	3.06 - 3.18	228718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.06 - 9.45	466646					
Aroclor - 1260	20.02	19.62 - 20.43	970112					

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENCE)
QUANT. = QUANTITATION (<= 10% DIFFERENCE)

Pesticide/PCB Standards Summary

Case No. URS West Laboratory CompuChem Laboratories

Contract No. Platinum GC Column OV-101 GC Instrument ID 3

	DATE OF ANALYSIS 05/21/86 TIME OF ANALYSIS 14:15 LABORATORY ID SE032				DATE OF ANALYSIS 05/23/86 TIME OF ANALYSIS 1:05 LABORATORY ID SD 4361			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha - BHC	1.94	1.91 - 1.98	5538670					
beta - BHC	2.07	2.03 - 2.11	1340818					
delta - BHC	2.34	2.29 - 2.38	6045525					
gamma - BHC	2.27	2.22 - 2.31	8550938		2.23	8464070		1.02
Heptachlor	3.59	3.52 - 3.66	7953044		3.53	7544686		5.13
Aldrin	4.42	4.33 - 4.51	8238731		4.35	8672200		2.02
Heptachlor Epoxide	5.35	5.25 - 5.46	6556366					
Endosulfan I	6.62	6.49 - 6.76	1.2133E+07		6.51	1.1946E+07		1.54
Dieldrin	7.70	7.55 - 7.86	7531997		7.57	7536541		-0.06
4-4' - DDE	7.57	7.42 - 7.72	6653275					
Endrin	8.58	8.41 - 8.75	4426454					
Endosulfan II	8.78	8.60 - 8.96	5958359		8.63	5854250		1.73
4-4' DDD	9.59	9.40 - 9.78	1.3032E+07					
Endosulfan Sulfate	11.18	10.96 - 11.40	4326875					
4-4' DDT	12.32	12.07 - 12.56	4574010		12.13	4191442		8.37
Methoxychlor	17.97	17.61 - 18.33	2391225		17.65	2216871		7.29
Endrin Ketone	14.29	14.00 - 14.58	7046853					
Tech. Clordane	6.10	5.98 - 6.22	1909890					
alpha - Chlordane*	6.73	6.60 - 6.86	6711328					
gamma - Chlordane*	6.10	5.97 - 6.22	6216631		5.99	6055719		2.6
Toxaphene	9.37	9.18 - 9.56	96679					
Aroclor - 1016	3.14	3.07 - 3.20	218065					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77601					
Aroclor - 1242	3.12	3.06 - 3.18	226718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.08 - 9.45	466646					
Aroclor - 1260	20.02	19.62 - 20.43	970112					
Kepone	11.07	10.85 - 11.29	133065		10.87	142009		-7.29

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENC
QUANT. = QUANTITATION (<= 10% DIFFERENC

FORM IX

Pesticide/PCB Standards Summary

Case No. URS West Laboratory CompuChem Laboratories

Contract No. Platinum GC Column OV-101 GC Instrument ID 3

		DATE OF ANALYSIS 05/21/86	DATE OF ANALYSIS 05/23/86
		TIME OF ANALYSIS 14:15	TIME OF ANALYSIS 6:28
		LABORATORY ID SE032	LABORATORY ID SD 4364

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha - BHC	1.94	1.91 - 1.98	5538678		1.91	564.348		-1.8
beta - BHC	2.07	2.03 - 2.11	1343818		2.04	1379162		-2.6
delta - BHC	2.34	2.29 - 2.38	6049528		2.30	6175857		-2.1
gamma - BHC	2.27	2.22 - 2.31	8358938					
Heptachlor	3.59	3.52 - 3.66	7553044					
Aldrin	4.42	4.33 - 4.51	8233931					
Heptachlor Epoxide	5.35	5.25 - 5.46	6936389		5.26	7026585		-1.3
Endosulfan I	6.62	6.49 - 6.78	1.2133E+07					
Dieldrin	7.70	7.55 - 7.86	7531977					
4-4' - DDE	7.57	7.43 - 7.72	6653275		7.44	6743536		-1.3
Endrin	8.58	8.41 - 8.75	4426464		8.43	4059222		8.34
Endosulfan II	8.78	8.60 - 8.96	5938359					
4-4' DDD	9.59	9.40 - 9.78	1.3032E+07		9.42	1.3949E+07		-7.03
Endosulfan Sulfate	11.18	10.96 - 11.40	4326875		10.99	4166619.		3.71
4-4' DDT	12.32	12.07 - 12.56	4574018					
Methoxychlor	17.97	17.61 - 18.33	2391223					
Endrin Ketone	14.29	14.00 - 14.58	7146653		14.04	7224512		-2.57
Tech. Clordane	6.10	5.98 - 6.22	1009693					
alpha - Chlordane*	6.73	6.60 - 6.86	6711328		6.61	6822395		-1.65
gamma - Chlordane*	6.10	5.97 - 6.22	6210631					
Toxaphene	9.37	9.18 - 9.56	96675					
Aroclor - 1016	3.14	3.07 - 3.20	218665					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77681					
Aroclor - 1242	3.12	3.06 - 3.18	228718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.08 - 9.45	466646					
Aroclor - 1260	20.02	19.62 - 20.43	970112					
Kepone	11.08	10.86 - 11.39	134996					

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENC

QUANT. = QUANTITATION (<= 10% DIFFERENC

Form IX

Pesticide/PCB Standards Summary

Case No. ___URS West___ Laboratory ___CompuChem_ Laboratories___

Contract No. ___Platinum___ GC Column ___OV-101___ GC Instrument ID ___3___

	First analysis	Second analysis
DATE OF ANALYSIS	05/21/86	05/23/86
TIME OF ANALYSIS	14:15	13:04
LABORATORY ID	SEQ32	SD 4360

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha - BHC	1.94	1.91 - 1.98	5538670					
beta - BHC	2.07	2.03 - 2.11	1340818					
delta - BHC	2.34	2.29 - 2.38	6045529					
gamma - BHC	2.27	2.22 - 2.31	8550936		2.24	9325134		-9.05
Heptachlor	3.59	3.52 - 3.66	7953044		3.54	8825062		-10.96
Aldrin	4.42	4.33 - 4.51	8238931		4.36	8993420		-9.16
Heptachlor Epoxide	5.35	5.25 - 5.46	6936388					
Endosulfan I	6.62	6.49 - 6.76	1.2133E+07		6.54	1.3333E+07		-9.90
Dieldrin	7.70	7.55 - 7.86	7531997		7.60	8280578		-9.94
4-4' - DDE	7.57	7.42 - 7.72	6653275					
Endrin	8.58	8.41 - 8.75	4428484					
Endosulfan II	8.78	8.60 - 8.96	5958359		8.66	6504985		-9.17
4-4' DDD	9.59	9.40 - 9.78	1.3032E+07					
Endosulfan Sulfate	11.18	10.96 - 11.40	4326875					
4-4' DDT	12.32	12.07 - 12.56	4574010		12.15	4871706		-6.51
Methoxychlor	17.97	17.61 - 18.33	2391225		17.72	2708760		-13.28
Endrin Ketone	14.29	14.00 - 14.58	7046853					
Tech. Clordane	6.10	5.98 - 6.22	1009698					
alpha - Chlordane*	6.73	6.60 - 6.86	6711328					
gamma - Chlordane*	6.10	5.97 - 6.22	6210631		6.01	6652544		-7.12
Toxaphene	9.37	9.18 - 9.56	90679					
Aroclor - 1016	3.14	3.07 - 3.20	218065					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77681					
Aroclor - 1242	3.12	3.06 - 3.18	228718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.08 - 9.45	466646					
Aroclor - 1260	20.02	19.62 - 20.43	970112					
[illegible]	11.03	[illegible]	[illegible]		10.52			

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENCE)
QUANT = QUANTITATION (<= 10% DIFFERENC

FORM IX

Pesticide/PCB Standards Summary

Case No. URS West Laboratory CompuChem Laboratories

Contract No. Platinum GC Column OV-101 GC Instrument ID 3

	DATE OF ANALYSIS 05/21/86	DATE OF ANALYSIS 05/22/86
	TIME OF ANALYSIS 14.15	TIME OF ANALYSIS 18.12
	LABORATORY ID SE032	LABORATORY ID SE 4344

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha - BHC	1.94	1.91 - 1.98	5538678		1.91	5670436		-2.27
beta - BHC	2.07	2.03 - 2.11	1346818		2.04	1337162		0.27
delta - BHC	2.34	2.29 - 2.38	6045528		2.30	6336361		-4.81
gamma - BHC	2.27	2.22 - 2.31	8558938					
Heptachlor	3.59	3.52 - 3.66	7953044					
Aldrin	4.42	4.33 - 4.51	6238951					
Heptachlor Epoxide	5.35	5.25 - 5.46	6936386		5.26	7366432		-6.21
Endosulfan I	6.62	6.49 - 6.76	1.2133E+07					
Dieldrin	7.70	7.55 - 7.86	7531997					
4-4' - DDE	7.57	7.42 - 7.72	6653275		7.44	6749362		-1.44
Endrin	8.58	8.41 - 8.75	4428484		8.42	4385312		0.97
Endosulfan II	8.78	8.60 - 8.96	5958359					
4-4' DDD	9.59	9.40 - 9.78	1.3632E+07		9.43	1.3683E+07		-6.54
Endosulfan Sulfate	11.18	10.96 - 11.40	4326875		10.99	4172332		3.61
4-4' DDT	12.32	12.07 - 12.56	4574010					
Methoxychlor	17.97	17.61 - 18.33	2391225					
Endrin Ketone	14.29	14.00 - 14.58	7046253		14.04	7225480		-2.54
Tech. Clordane	6.10	5.98 - 6.22	1009690					
alpha - Chlordane*	6.73	6.60 - 6.86	6711328		6.61	6600924		-1.31
gamma - Chlordane*	6.10	5.97 - 6.22	6210631					
Toxaphene	9.37	9.18 - 9.56	90679					
Aroclor - 1016	3.14	3.07 - 3.20	218065					
Aroclor - 1221	1.95	1.91 - 1.99	74117					
Aroclor - 1232	1.95	1.91 - 1.99	77681					
Aroclor - 1242	3.12	3.06 - 3.18	228718					
Aroclor - 1248	5.41	5.30 - 5.52	432511					
Aroclor - 1254	9.27	9.08 - 9.45	466646					
Aroclor - 1260	20.02	19.62 - 20.43	978112					
Mirex	12.55	12.3[illegible] - 12.[illegible]	[illegible]					

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENCE)
QUANT. = QUANTITATION (<= 10% DIFFERENCE)

FORM IX

Pesticide/PCB Standards Summary

Case No. URS West Laboratory [illegible] Lab [illegible]

Contract No. Platinum GC Column SP2250/2401 GC Instrument ID 7

DATE OF ANALYSIS 05/15/86		DATE OF ANALYSIS 05/16/86	
TIME OF ANALYSIS 23:19		TIME OF ANALYSIS 7:55	
LABORATORY ID SE074		LABORATORY ID SE 430	

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. *
alpha - BHC	2.43	2.38 - 2.48	3.1795E+08					
beta - BHC	3.14	3.08 - 3.20	9.5203E+07					
delta - BHC	3.61	3.54 - 3.68	1.6740E+08					
gamma - BHC	2.90	2.84 - 2.96	2.2141E+08		2.89	2.3726E+08		-6.72
Heptachlor	3.48	3.41 - 3.55	2.3574E+08		3.47	2.5335E+08		-7.44
Aldrin	4.11	4.02 - 4.19	2.4647E+08		4.09	2.61[illegible]		-6.1
Heptachlor Epoxide	5.56	5.45 - 5.67	2.2973E+08					
Endosulfan I	6.81	6.67 - 6.95	3.7055E+08		6.79	[illegible]		-7.[illegible]
Dieldrin	8.07	7.91 - 8.23	2.3940E+08		8.05	2.5379E+08		-5.59
4-4' - DDE	7.52	7.37 - 7.67	2.2175E+08					
Endrin	9.62	9.43 - 9.82	2.0037E+08					
Endosulfan II	11.25	11.02 - 11.47	1.8143E+08		11.25	1.9294E+08		-6.32
4-4' DDD	10.73	10.52 - 10.95	1.6620E+08					
Endosulfan Sulfate	15.95	15.63 - 16.27	4.8117E+07					
4-4' DDT	12.80	12.54 - 13.05	1.2266E+08		12.78	1.2953E+08		-5.9[illegible]
Methoxychlor	22.36	21.91 - 22.81	4.4566E+07		22.32	4.4414E+07		0.35
Endrin Ketone	21.99	21.55 - 22.43	1.6034E+08					
Tech. Chlordane	6.15	6.03 - 6.27	1.2791E+07					
alpha - Chlordane*	6.61	6.46 - 6.74	2.1817E+08					
gamma - Chlordane*	6.14	6.02 - 6.27	2.3037E+08		6.13	[illegible]		-6.7[illegible]
Toxaphene	11.44	11.21 - 11.66	4373994					
Aroclor - 1016	3.39	3.32 - 3.46	6525121					
Aroclor - 1221	2.31	2.26 - 2.35	2545627					
Aroclor - 1232	2.30	2.25 - 2.35	3227406					
Aroclor - 1242	3.39	3.32 - 3.46	6278510					
Aroclor - 1248	5.62	5.50 - 5.73	1.1650E+07					
Aroclor - 1254	9.21	9.03 - 9.40	1.1476E+07					
Aroclor - 1260	18.85	18.47 - 19.23	1.9157E+07					
Kepone	9.84	9.64 - 10.04	12093310		9.82	12206244		-1.01

* SEE EXHIBIT E, PART 7

** CONF = CONFIRMATION (<= 15% DIFFERENCE)
QUANT. = QUANTITATION (<= [illegible]% DIFFERENCE)

FORM IX

Pesticide/PCB Standards Summary

Case No URS West Laboratory Compuchem Laboratories

Contract No. Platinum GC Column SP2250/2401 GC Instrument Id 7

	DATE OF ANALYSIS 05/15/88	TIME OF ANALYSIS 23:09	LABORATORY ID SEQ74	DATE OF ANALYSIS 05/16/88	TIME OF ANALYSIS 13:11	LABORATORY ID SD 4364

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha - BHC	2.43	2.38 - 2.46	3.1795E+08		2.44	3.2[illegible]E+08		-2.[illegible]
beta - BHC	3.14	3.08 - 3.20	9.5203E+07		3.15	9.599[illegible]E+07		-0.83
delta - BHC	3.61	3.54 - 3.68	1.0742E+08		3.63	1.0286E+08		2.[illegible]
gamma - BHC	2.90	2.84 - 2.96	2.214[illegible]E+08					
heptachlor	3.45	3.41 - 3.53	3.3574E+08					
Aldrin	4.11	4.02 - 4.17	2.4645E+08					
Heptachlor Epoxide	5.56	5.48 - 5.67	2.2733E+08		5.59	2.3[illegible]E+08		-3.3[illegible]
Endosulfan I	6.81	6.67 - 6.92	3.9[illegible]E+08					
Dieldrin	8.17	7.91 - 8.23	2.3940E-08					
4-4' - DDE	7.52	7.37 - 7.67	2.2075E+08		7.56	2.1661E+08		1.84
Endrin	9.62	9.43 - 9.82	2.0037E+08		9.66	1.6[illegible]E+08		9.22
Endosulfan II	11.25	11.02 - 11.47	1.8148E+08					
4-4' DDT	10.73	10.52 - 10.95	1.6825E+08		10.75	1.715[illegible]E+08		-1.[illegible]
Endosulfan Sulfate	16.95	16.63 - 16.27	4.6017E+07		16.92	4.612[illegible]E+07		-0.22
4-4' DDT	12.8[illegible]	12.54 - 13.05	1.2266[illegible]E+08					
Methoxychlor	22.36	21.91 - 22.81	4.45[illegible]E+07					
Endrin Ketone	21.99	21.55 - 22.43	1.[illegible]E+08		22.13	1.[illegible]E+08		3.17
Tech. Chlordane	6.15	6.03 - 6.27	1.2771E+07					
alpha - Chlordane*	6.61	6.48 - 6.74	2.1817E+08		6.64	2.167[illegible]E+08		0.61
gamma - Chlordane*	6.14	6.02 - 6.27	2.1037E+08					
Toxaphene	11.44	11.21 - 11.66	4073994					
Aroclor - 1016	3.39	3.32 - 3.46	6323121					
Aroclor - 1221	2.31	2.26 - 2.35	2545[illegible]27					
Aroclor - 1232	2.30	2.25 - 2.35	3229[illegible]0					
Aroclor - 1242	3.39	3.32 - 3.46	6270913					
Aroclor - 1248	5.62	5.50 - 5.73	1.1650E+07					
Aroclor - 1254	9.21	9.03 - 9.40	1.1478E+07					
Aroclor - 1260	18.85	18.47 - 19.23	1.5[illegible]7E+07					
Kepone	9.84	9.64 - 10.04	[illegible]					

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% DIFFERENCE)
QUANT. = QUANTITATION (<= 10% DIFFERENCE)

FORM IX

Pesticide/PCB Standards Summary

Case No. *URS West* Laboratory CompuChem Laboratories

Contract No. *Platinum* GC Column *SP2250/2401* GC Instrument ID *7*

	DATE OF ANALYSIS 05/15/88				DATE OF ANALYSIS 05/15/88			
	TIME OF ANALYSIS 23:09				TIME OF ANALYSIS 16:32			
	LABORATORY ID 5E274				LABORATORY ID [illegible]			

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERC DIFF **
alpha - BHC	2.43	2.38 - 2.48	3.1795E+08					
beta - BHC	3.14	3.08 - 3.20	7.5203E+07					
delta - BHC	3.61	3.54 - 3.66	1.8742E+08					
gamma - BHC	2.91	2.84 - 2.96	2.2141E+08		2.91	2.43[illegible]E+08		-[illegible]
Heptachlor	3.48	3.41 - 3.55	2.3374E+08		3.49	2.34[illegible]		[illegible]
Aldrin	4.11	4.03 - 4.19	2.42[illegible]E+08		4.11	2.65[illegible]		-[illegible]
Heptachlor Epoxide	5.56	5.45 - 5.67	2.2933E+08					
Endosulfan I	6.81	6.67 - 6.95	3.9085E+08		6.81	4.2456E+08		-8.67
Dieldrin	8.07	7.91 - 8.23	2.3940E+08		8.17	2.5033E+08		-4.57
4-4' - DDE	7.52	7.37 - 7.67	2.2075E+08					
Endrin	9.62	9.43 - 9.82	2.0[illegible]E+08					
Endosulfan II	11.25	11.02 - 11.47	1.6148E+08		11.25	1.[illegible]E+08		-[illegible] 24
4-4' DDD	10.73	10.52 - 10.95	1.0520E+08					
Endosulfan Sulfate	15.95	15.63 - 16.27	4.8817E+07					
4-4' DDT	12.80	12.54 - 13.05	1.2266E+08		12.8[illegible]	[illegible]		7.[illegible]
Methoxychlor	22.3[illegible]	21.9[illegible] - 22.81	4.45[illegible]E+07		22.34	4.0[illegible]E+07		[illegible]
Endrin Ketone	21.99	21.55 - 22.43	1.60[illegible]E+08					
Tech Chlordane	6.15	6.03 - 6.27	1.2791E+07					
alpha - Chlordane*	6.61	6.45 - 6.74	2.[illegible]E+08					
gamma - Chlordane*	6.14	6.02 - 6.27	2.1029E+08		6.1[illegible]	2.2[illegible]E+08		-6.[illegible]
Toxaphene	11.44	11.21 - 11.66	437[illegible]					
Aroclor - 1016	3.39	3.32 - 3.46	6525121					
Aroclor - 1221	2.31	2.26 - 2.35	2545[illegible]					
Aroclor - 1232	2.30	2.25 - 2.35	3229406					
Aroclor - 1242	3.39	3.32 - 3.46	627[illegible]					
Aroclor - 1248	5.62	5.50 - 5.73	1.1530E+07					
Aroclor - 1254	9.21	9.03 - 9.40	1.1476E+07					
Aroclor - 1260	10.85	10.47 - 11.23	1.9157E+07					
Kepone	*9.84*	*9.64 - 10.04*	*12083718*		*9.85*	*10733600*		*0.17*

* SEE EXHIBIT E, PART 7 ** CONF. = CONFIRMATION; % = [illegible] QUANT. = QUANTITATION [illegible]

FORM IX

Pesticide/PCB Standards Summary

Case No URS West Laboratory CompuChem Laboratories

Contract No Platinum GC Column SP2250/2401 GC Instrument ID 7

	DATE OF ANALYSIS 05/15/86				DATE OF ANALYSIS 05/16/86			
	TIME OF ANALYSIS 23:09				TIME OF ANALYSIS 23:13			
	LABORATORY ID S8274				LABORATORY ID S8 43[illegible]			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF OR QUANT	RT	CALIBRATION FACTOR	CONF OR QUANT	PERCENT DIFF **
alpha - BHC	2.43	2.38 - 2.48	3.1795E+09		2.43	3.26[illegible]E+09		-2.[illegible]
beta - BHC	3.14	3.18 - 3.20	9.5283E+07		3.1[illegible]	9.[illegible]E+07		-0.7[illegible]
delta - BHC	3.6[illegible]	3.54 - 3.68	1.87[illegible]E+09		3.6[illegible]	[illegible]E+0[illegible]		-[illegible]
gamma - BHC	2.90	2.84 - 2.96	3.2146E+08					
Heptachlor	3.48	3.41 - 3.55	2.5574E+08					
Aldrin	4.11	4.0[illegible] - 4.1[illegible]	2.46[illegible]E+08					
Heptachlor Epoxide	5.5[illegible]	5.4[illegible] - 5.67	[illegible]E+19		5.56	2.347[illegible]E+0[illegible]		-[illegible]
Endosulfan I	6.91	6.87 - 6.95	3.9085E+08					
Dieldrin	8.17	7.91 - 8.23	2.3948E+08					
4-4' - DDE	7.92	7.37 - 7.67	2.2075E+08		7.5[illegible]	2.250[illegible]E+08		-[illegible]
Endrin	9.62	9.43 - 9.82	2.0[illegible]E+08		9.6[illegible]	1.8914E+0[illegible]		5.6[illegible]
Endosulfan II	11.25	11.02 - 11.47	1.6148E+08					
4-4' DDD	1[illegible].73	10.52 - 10.95	1.682[illegible]E+08		10.73	1.[illegible]E+08		-[illegible]
Endosulfan Sulfate	15.95	15.63 - 16.27	4.8[illegible]E+07		15.95	4.8[illegible]E+07		[illegible]
4-4' DDT	12.8[illegible]	12.54 - 13.0[illegible]	1.2[illegible]E+08					
Methoxychlor	22.3[illegible]	21.91 - 22.81	4.4[illegible]E+07					
Endrin Ketone	21.[illegible]	21.55 - 22.43	1.6[illegible]E+0[illegible]		21.[illegible]	1.6[illegible]		[illegible]
Tech. Chlordane	6.15	6.03 - 6.27	1.27[illegible]E+07					
alpha - Chlordane*	6.61	6.48 - 6.74	2.1607E+08		6.60	2.2[illegible]E+08		-[illegible]
gamma - Chlordane*	6.14	6.02 - 6.27	2.1[illegible]E+08					
Toxaphene	11.44	11.21 - 11.66	4373994					
Aroclor - 1016	3.39	3.32 - 3.46	6535121					
Aroclor - 1221	2.31	2.26 - 2.35	2545627					
Aroclor - 1232	2.30	2.25 - 2.35	3229456					
Aroclor - 1242	3.39	3.32 - 3.46	6270[illegible]					
Aroclor - 1248	5.62	5.50 - 5.73	1.1656E+07					
Aroclor - 1254	9.21	9.03 - 9.40	1.1478E+07					
Aroclor - 1260	18.85	18.47 - 19.23	1.9157E+07					
Repone	9.84	9.64 - 10.04	12083718					

* See EXHIBIT E, PART 7

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

FORM IX

Pesticide/PCB Standards Summary

Case No. URS West   Laboratory CompuChem Laboratories

Contract No. Platinum   GC Column SP2250/2401   GC Instrument ID 7

DATE OF ANALYSIS 05/15/8[illegible]		DATE OF ANALYSIS 05/17/8[illegible]
TIME OF ANALYSIS 23.49		TIME OF ANALYSIS 3.[illegible]
LABORATORY ID SE074		LABORATORY ID SE 436[illegible]

COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF *
alpha - BHC	2.43	2.38 - 2.46	3.1795E+08					
beta - BHC	3.14	3.09 - 3.20	9.5203E+07					
delta - BHC	3.61	3.54 - 3.68	[illegible].8742E+08					
gamma - BHC	2.90	2.84 - 2.96	2.2141E+08		2.92	2.4[illegible]E+08		-[illegible]
Heptachlor	3.48	3.41 - 3.55	2.3574E+08		3.51	2.4[illegible]E+08		-[illegible]
Aldrin	4.11	4.03 - 4.19	2.4649E+08		4.1[illegible]	2.[illegible]E+08		-[illegible]
Heptachlor Epoxide	5.56	5.45 - 5.67	2.3503E+08					
Endosulfan I	6.81	6.67 - 6.95	3.7[illegible]E+08		[illegible].84	4.[illegible]E+08		-[illegible]
Dieldrin	8.07	7.91 - 8.23	2.354[illegible]E+08		[illegible]	2.[illegible]E+08		[illegible]
4-4' - DDE	7.52	7.37 - 7.67	2.2[illegible]E+08					
Endrin	9.62	9.43 - 9.82	2.[illegible]E+08					
Endosulfan II	11.25	11.03 - 11.47	1.[illegible]E+08		11.2[illegible]	1.96[illegible]E+08		-[illegible]
4-4' DDD	10.73	10.52 - 10.95	1.[illegible]E+08					
Endosulfan Sulfate	15.95	15.63 - 16.27	4.[illegible]E+07					
4-4' DDT	12.80	12.54 - 13.06	1.[illegible]E+08		12.65	1.[illegible]E+08		-6.44
Methoxychlor	22.30	21.9[illegible] - 22.[illegible]	4.43[illegible]E+07		22.49	4.[illegible]E+07		-[illegible]
Endrin Ketone	21.99	21.55 - 22.43	1.6[illegible]E+08					
Tech. Chlordane	6.15	6.03 - 6.27	1.279[illegible]E+07					
alpha - Chlordane*	6.6[illegible]	6.46 - 6.74	2.1[illegible]E+08					
gamma - Chlordane*	6.14	6.02 - 6.27	2.[illegible]E+08		6.15	2.25[illegible]E+08		-[illegible]
Toxaphene	11.44	11.21 - 11.6[illegible]	43[illegible]294					
Aroclor - 1016	3.37	3.32 - 3.46	6525[illegible]					
Aroclor - 1221	2.31	2.2[illegible] - 2.35	[illegible]4[illegible]627					
Aroclor - 1232	2.30	2.25 - 2.35	322943[illegible]					
Aroclor - 1242	3.39	3.32 - 3.46	6278[illegible]					
Aroclor - 1248	5.68	5.50 - 5.73	1.[illegible]E+07					
Aroclor - 1254	9.21	9.03 - 9.40	1.147[illegible]E+07					
Aroclor - 1260	16.85	16.47 - 19.23	1.9157E+0[illegible]					
Kepone	9.87	9.67 - 10.07	1.2033E+08		9.91	1.2546E+08		-3.83

* SEE EXHIBIT E, PART 7

** CONF. = CONFIRMATION (<= 20% D FINAL[illegible])
QUANT. = QUANTITATION (<= 1[illegible]% [illegible])

FORM IX

Case No. URS WEST

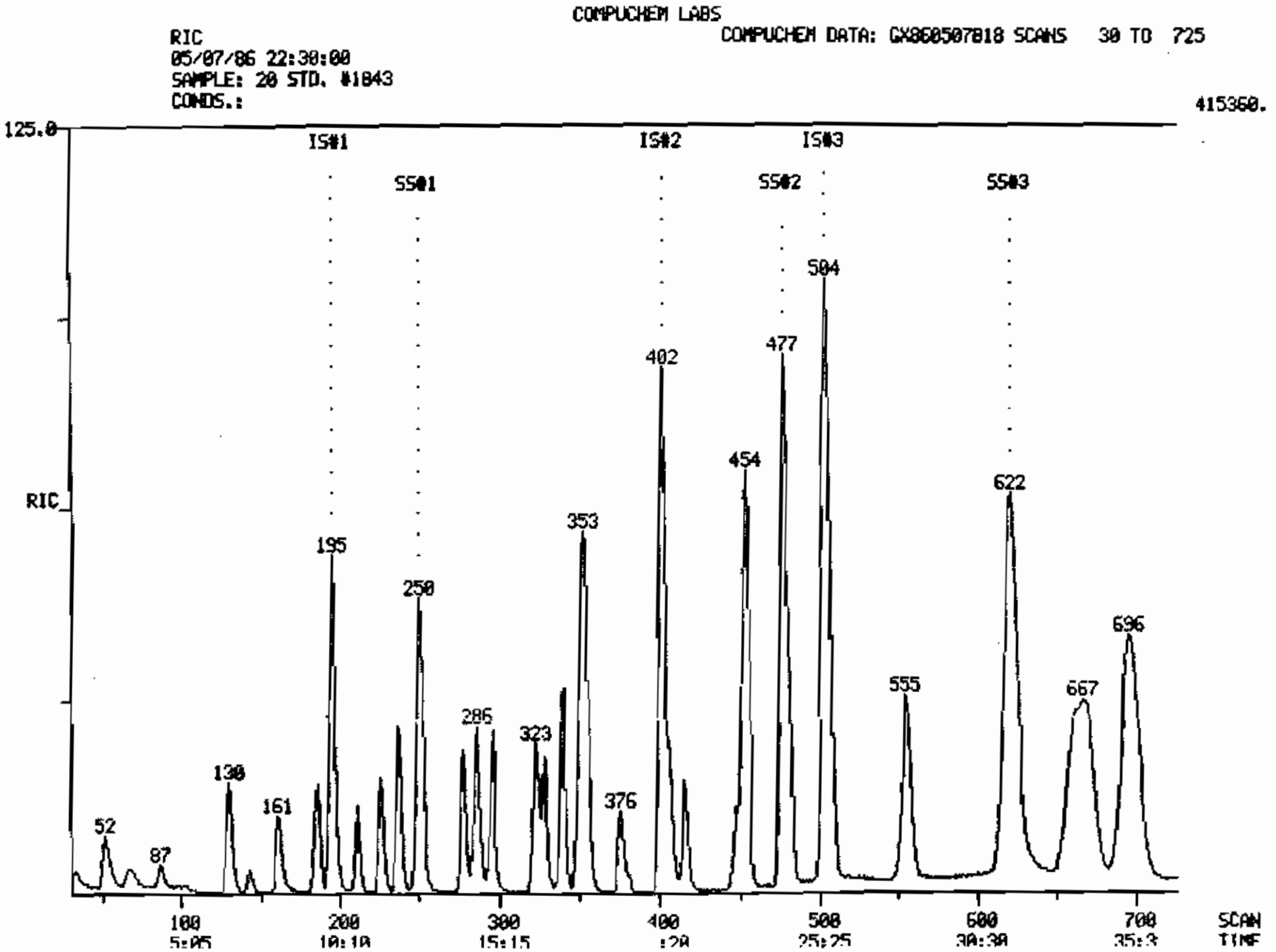
Laboratory CompuChem Laboratories

Contract No. PLMT/NUM

SAMPLE ID	PRIMARY COLUMN	PESTICIDE/PCB	RT OF TENAT ID	RT WINDOW APPROPRIATE STANDARD	CONFIRM COLUMN	RT ON CONF COLUM	RT WINDOW APPROPRIATE STANDARD	GC/MS CONF. (Y/N)
FSED	MIXED	Aroclor - 1248	5.68	5.56 - 5.73	OV-101	5.43	5.30 - 5.52	N/C

FORM X

E. VOA standard(s) chromatograms and data system printouts (or legible facsimile) for both the initial and all continuing calibrations. Spectra are not required.


COMPUCHEM LABS
COMPUCHEM DATA: GX860507B18 SCANS 30 TO 725
RIC
05/07/86 22:30:00
SAMPLE: 20 STD. #1843
CONDS.:
415360.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
52
87
130
161
195
250
286
323
353
376
402
454
477
504
555
622
667
696
100
5:05
200
10:10
300
15:15
400
20
500
25:25
600
30:30
700
35:3
SCAN
TIME

QUANTITATION REPORT FILE: GX860507B1B

TA: GX860507B1B.TI
/07/86 22:30:00
SAMPLE: 20 STD. #1843
CONOB.:
SUBMITTED BY: JB ANALYST: 941

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-81-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

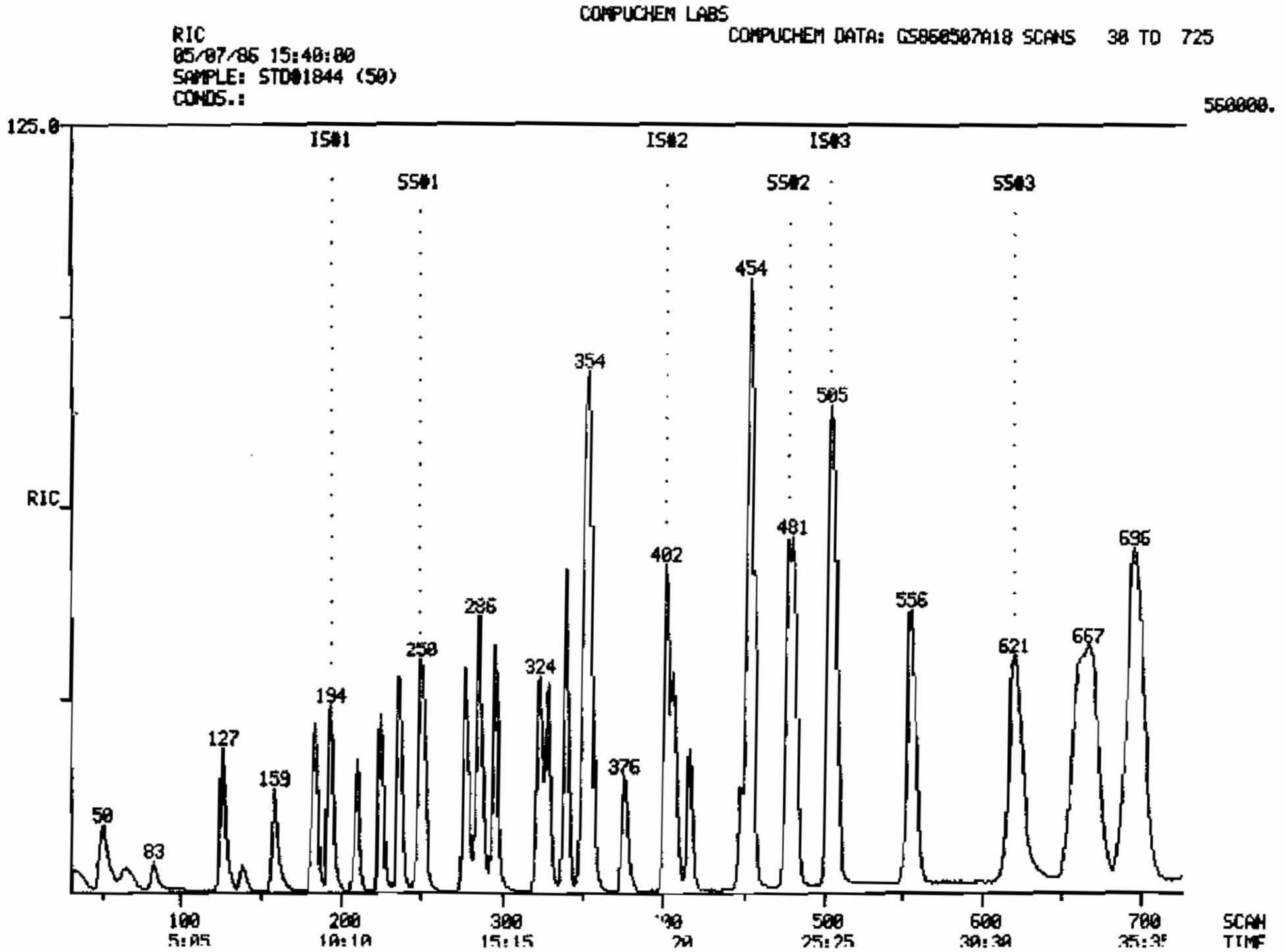
5/8/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	195	9.55	1	1.000	A BB	118714.	50.000 UG/KG	4.03
2	50	33	1.41	1	0.169	A BB	40046.	43.263 UG/KG	3.48

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	52	2:39	1	0.267	A BB	57353.	31.450	UG/KG	2.53
4	62	68	3:27	1	0.349	A BB	41353.	30.854	UG/KG	2.48
5	64	87	4:25	1	0.446	A BB	21354.	24.978	UG/KG	2.01
6	84	130	6:36	1	0.667	A BB	62096.	28.188	UG/KG	2.27
7	43	143	7:16	1	0.733	A BB	31666.	38.866	UG/KG	3.13
8	76	161	8:11	1	0.826	A BB	145144.	24.110	UG/KG	1.94
9	96	186	9:27	1	0.954	A BB	45645.	21.317	UG/KG	1.72
10	63	212	10:47	1	1.087	A BB	85773.	23.633	UG/KG	1.90
11	96	226	11:29	1	1.159	A BV	55555.	22.909	UG/KG	1.84
12	83	237	12:03	1	1.215	A BB	134824.	25.511	UG/KG	2.05
13	62	252	12:49	1	1.292	A BB	94852.	22.420	UG/KG	1.80
14	114	402	20:26	14	1.000	A BB	479825.	50.000	UG/KG	4.03
15	72	250	12:42	14	0.622	A BB	8780.	29.165	UG/KG	2.35
16	97	278	14:08	14	0.692	A BB	97199.	20.349	UG/KG	1.64
17	117	286	14:32	14	0.711	A VB	102085.	19.905	UG/KG	1.60
18	43	288	14:38	14	0.716	A BV	85200.	25.191	UG/KG	2.03
19	83	296	15:03	14	0.736	A BB	113402.	21.143	UG/KG	1.70
20	63	323	16:25	14	0.803	A BB	52895.	23.571	UG/KG	1.90
21	75	328	16:40	14	0.816	A BV	82261.	21.524	UG/KG	1.73
22	130	339	17.14	14	0.843	A BB	81795.	23.708	UG/KG	1.91
23	129	352	17:54	14	0.876	A BB	106224.	24.087	UG/KG	1.94
24	97	354	18:00	14	0.881	A VB	62302.	28.380	UG/KG	2.28
25	78	350	17:47	14	0.871	A BB	164439.	25.745	UG/KG	2.07
26	75	354	18:00	14	0.881	A BB	64332.	22.448	UG/KG	1.81
27	63	375	19:04	14	0.933	A BB	42571.	22.061	UG/KG	1.78
28	173	406	20:38	14	1.010	A BB	84263.	21.303	UG/KG	1.72
29	117	503	25:34	29	1.000	A BB	438390.	50.000	UG/KG	4.03
0	43	416	21:09	29	0.827	A BV	94492.	25.715	UG/KG	2.07
1	43	448	22:46	29	0.891	A BB	74904.	25.364	UG/KG	2.04
32	164	454	23:05	29	0.903	A BB	83411.	26.447	UG/KG	2.13
33	83	453	23:02	29	0.901	A BV	123344.	27.282	UG/KG	2.20
34	92	481	24.27	29	0.956	A BB	100802.	23.497	UG/KG	1.89
35	112	506	25:43	29	1.006	A BV	163555.	24.254	UG/KG	1.95
36	106	555	28:13	29	1.103	A BB	92298.	23.171	UG/KG	1.87
37	104	660	33:33	29	1.312	A BB	196178.	25.687	UG/KG	2.07
38	106	669	34:00	29	1.330	A BB	117648.	26.914	UG/KG	2.17
39	106	697	35:26	29	1.386	A BB	223788.	55.799	UG/KG	4.49
40	65	250	12:42	1	1.282	A BB	199634.	47.980	UG/KG	3.86
41	95	621	31:34	29	1.235	A BB	374629.	45.991	UG/KG	3.70
42	98	477	24:15	1	2.446	A BB	438101.	47.984	UG/KG	3.86

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	9:24	1.05	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35	1.06	10.000	0.02	43.26	200.00	0.084	0.390	8.22
3	2:26	1.08	10.000	0.03	31.45	200.00	0.121	0.768	0.16
4	3:00	1.15	10.000	0.03	30.85	200.00	0.087	0.565	0.15
5	3:43	1.19	10.000	0.04	24.98	200.00	0.045	0.360	0.12
6	5:45	1.15	5.000	0.13	28.19	200.00	0.131	0.928	0.14
7	7:16	1.00	10.000	0.07	38.87	200.00	0.067	0.343	0.19
8	7:25	1.10	5.000	0.17	24.11	200.00	0.306	2.536	0.12
9	8:48	1.08	5.000	0.19	21.32	200.00	0.096	0.902	0.11
10	10:16	1.05	5.000	0.22	23.63	200.00	0.181	1.529	0.12
11	11:05	1.04	5.000	0.23	22.91	200.00	0.117	1.021	0.11
2	11:45	1.03	5.000	0.24	25.51	200.00	0.284	2.226	0.13
13	12:30	1.02	5.000	0.26	22.42	200.00	0.200	1.782	0.11
14	20:20	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:24	1.02	10.000	0.06	29.16	200.00	0.005	0.031	0.15
16	13:53	1.02	5.000	0.14	20.35	200.00	0.051	0.498	0.10
7	14:17	1.02	5.000	0.14	19.90	200.00	0.053	0.534	0.10
18	14:26	1.01	10.000	0.07	25.19	200.00	0.044	0.352	0.13
19	14:51	1.01	5.000	0.15	21.14	200.00	0.059	0.559	0.11
20	16:16	1.01	5.000	0.16	23.57	200.00	0.028	0.234	0.12
21	16:34	1.01	5.000	0.16	21.52	200.00	0.043	0.398	0.11
22	17:08	1.01	5.000	0.17	23.71	200.00	0.043	0.360	0.12
23	17:47	1.01	5.000	0.18	24.09	200.00	0.055	0.460	0.12
24	17:54	1.01	5.000	0.18	28.38	200.00	0.032	0.229	0.14
25	17:41	1.01	5.000	0.17	25.74	200.00	0.086	0.666	0.13
26	17:54	1.01	5.000	0.18	22.45	200.00	0.034	0.299	0.11
27	19:01	1.00	10.000	0.09	22.06	200.00	0.022	0.201	0.11
28	20:35	1.00	5.000	0.20	21.30	200.00	0.044	0.412	0.11
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:06	1.00	10.000	0.08	25.71	200.00	0.054	0.419	0.13
31	22:43	1.00	10.000	0.09	25.36	200.00	0.043	0.337	0.13
32	23:02	1.00	5.000	0.18	26.45	200.00	0.048	0.360	0.13
33	22:59	1.00	5.000	0.18	27.28	200.00	0.070	0.516	0.14
34	24:24	1.00	5.000	0.19	23.50	200.00	0.057	0.489	0.12
35	25:40	1.00	5.000	0.20	24.25	200.00	0.093	0.769	0.12
36	28:10	1.00	5.000	0.22	23.17	200.00	0.053	0.454	0.12
37	33:27	1.00	5.000	0.26	25.69	200.00	0.112	0.871	0.13
38	33:54	1.00	5.000	0.27	26.91	200.00	0.067	0.499	0.13
39	35:14	1.01	5.000	0.28	55.80	400.00	0.064	0.457	0.14
40	12:24	1.02	10.000	0.13	47.98	50.00	1.682	1.752	0.96
41	31:31	1.00	10.000	0.12	45.99	50.00	0.855	0.929	0.92
42	24:12	1.00	10.800	0.24	47.98	50.00	3.690	3.845	8.96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SUBMITTED BY: 18 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENIENE (I8) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLORDETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (I8)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENIENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

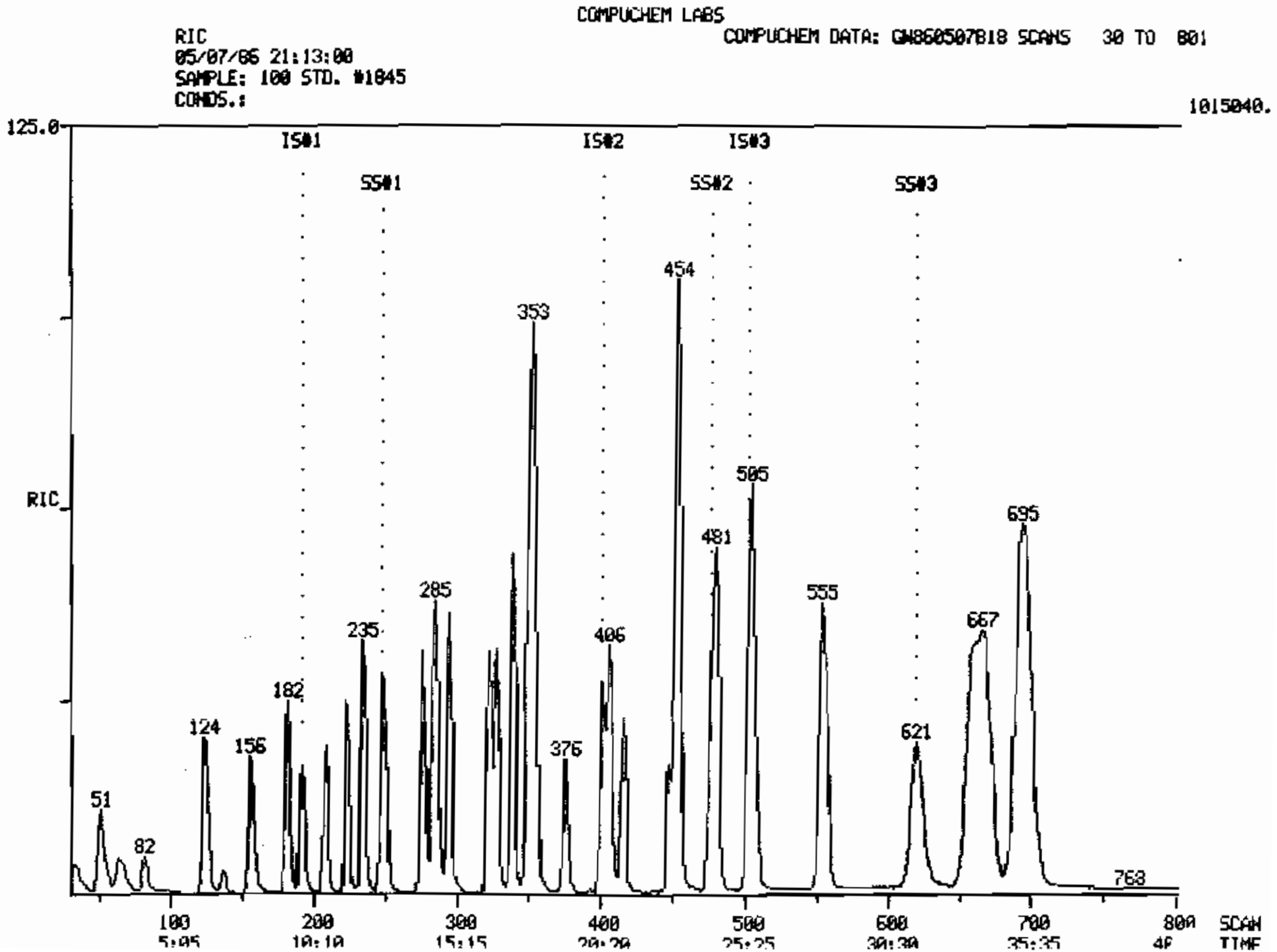
5/6/86

)	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	193	9:49	1	1.000	A BB	91487.	50.000	UG/KG	1.93
2	50	32	1:38	1	0.166	A BB	78397.	58.782	UG/KG	2.26

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	50	2:32	1	0.259	A*BB	126284.	62.329	UG/KG	2.40
4	62	65	3:18	1	0.337	A*BB	82746.	60.024	UG/KG	2.31
5	64	83	4:13	1	0.430	A BB	41748.	59.082	UG/KG	2.28
6	84	127	6:27	1	0.658	A BV	121180.	75.061	UG/KG	2.89
7	43	139	7:04	1	0.720	A BV	57178.	70.610	UG/KG	2.72
8	76	159	8:05	1	0.824	A BB	265498.	60.740	UG/KG	2.34
9	96	184	9:21	1	0.953	A BB	101882.	76.444	UG/KG	2.94
10	63	210	10:40	1	1.088	A BB	170231.	74.217	UG/KG	2.86
11	96	225	11:26	1	1.166	A BV	116207.	72.436	UG/KG	2.79
12	83	236	12:00	1	1.223	A BV	248415.	67.111	UG/KG	2.59
13	62	251	12:46	1	1.301	A BV	181859.	60.565	UG/KG	2.33
14	114	402	20:26	14	1.000	A BV	388723.	50.000	UG/KG	1.93
15	72	250	12:42	14	0.622	A BB	13170.	46.766	UG/KG	1.80
16	97	278	14:08	14	0.692	A BV	218025.	71.487	UG/KG	2.75
17	117	286	14:32	14	0.711	A VB	237242.	72.145	UG/KG	2.78
18	43	288	14:38	14	0.716	A VV	145759.	52.008	UG/KG	2.00
19	83	296	15:03	14	0.736	A BB	234837.	61.218	UG/KG	2.36
20	63	324	16:28	14	0.806	A BB	107022.	68.139	UG/KG	2.62
21	75	329	16:43	14	0.818	A BB	167373.	61.346	UG/KG	2.36
22	130	340	17:17	14	0.846	A BB	168419.	67.483	UG/KG	2.60
23	129	352	17:54	14	0.876	A BB	217721.	56.570	UG/KG	2.18
24	97	354	18:00	14	0.881	A VB	119757.	55.791	UG/KG	2.15
25	78	350	17:47	14	0.871	A BB	318150.	66.544	UG/KG	2.56
26	75	355	18:03	14	0.883	A BB	130338.	57.824	UG/KG	2.23
27	63	376	19:07	14	0.935	A BB	80694.	57.918	UG/KG	2.23
28	173	407	20:41	14	1.012	A BB	170109.	52.940	UG/KG	2.04
29	117	504	25:37	29	1.000	A BV	362507.	50.000	UG/KG	1.93
30	43	417	21:12	29	0.827	A BV	156909.	51.893	UG/KG	2.00
1	43	448	22:46	29	0.889	A BV	119991.	50.296	UG/KG	1.94
32	164	455	23:08	29	0.903	A BB	170860.	67.490	UG/KG	2.60
33	83	453	23:02	29	0.899	A BB	223275.	53.899	UG/KG	2.08
34	92	481	24:27	29	0.954	A BB	206556.	67.624	UG/KG	2.60
35	112	506	25:43	29	1.004	A BB	327813.	63.964	UG/KG	2.46
36	106	555	28:13	29	1.101	A BB	193807.	70.485	UG/KG	2.72
37	104	660	33:33	29	1.310	A BB	351879.	54.722	UG/KG	2.11
38	106	669	34:00	29	1.327	A BB	216574.	55.362	UG/KG	2.13
39	106	696	35:23	29	1.381	A BB	408454.	109.952	UG/KG	4.24
40	65	249	12:39	1	1.290	A BB	157634.	53.466	UG/KG	2.06
41	95	621	31:34	29	1.232	A BB	321771.	50.272	UG/KG	1.94
42	98	477	24:15	1	2.472	A BV	359346.	51.050	UG/KG	1.97

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	9:39	1.02	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35	1.03	10.000	0.02	58.78	50.00	0.857	0.729	1.18
3	2:26	1.04	10.000	0.03	62.33	50.00	1.380	1.107	1.25
4	3:09	1.05	10.000	0.03	60.02	50.00	0.904	0.753	1.20
5	4:01	1.05	10.000	0.04	59.08	50.00	0.456	0.386	1.18
6	6:12	1.04	5.000	0.13	75.06	50.00	1.325	0.882	1.50
7	6:49	1.04	10.000	0.07	70.61	50.00	0.625	0.443	1.41
8	7:50	1.03	5.000	0.16	60.74	50.00	2.902	2.389	1.21
9	9:09	1.02	5.000	0.19	76.44	50.00	1.114	0.728	1.53
10	10:31	1.01	5.000	0.22	74.22	50.00	1.861	1.254	1.48
11	11:14	1.02	5.000	0.23	72.44	50.00	1.270	0.877	1.45
12	11:51	1.01	5.000	0.24	67.11	50.00	2.715	2.023	1.34
13	12:36	1.01	5.000	0.26	60.57	50.00	1.988	1.641	1.21
14	20:20	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:30	1.02	10.000	0.06	46.77	50.00	0.834	0.836	0.94
16	13:59	1.01	5.000	0.14	71.49	50.00	0.561	0.392	1.43
T	14:23	1.01	5.000	0.14	72.15	50.00	0.610	0.423	1.44
18	14:32	1.01	10.000	0.07	52.01	50.00	0.375	0.360	1.04
19	14:54	1.01	5.000	0.15	61.22	50.00	0.604	0.493	1.22
20	16:19	1.01	5.000	0.16	68.14	50.00	0.275	0.202	1.36
21	16:34	1.01	5.000	0.16	61.35	50.00	0.431	0.351	1.23
22	17:08	1.01	5.000	0.17	67.48	50.00	0.433	0.321	1.35
23	17:47	1.01	5.000	0.10	56.57	50.00	0.560	0.495	1.13
24	17:54	1.01	5.000	0.18	55.79	50.00	0.308	0.276	1.12
25	17:41	1.01	5.000	0.17	66.54	50.00	0.818	0.615	1.33
26	17:54	1.01	5.000	0.18	57.02	50.00	0.335	0.290	1.16
27	19:01	1.01	10.000	0.09	57.92	50.00	0.208	0.179	1.16
28	20:32	1.01	5.000	0.20	52.94	50.00	0.438	0.413	1.06
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.01	10.000	0.08	51.89	50.00	0.433	0.417	1.04
31	22:40	1.00	10.000	0.09	50.30	50.00	0.331	0.329	1.01
32	22:59	1.01	5.000	0.18	67.49	50.00	0.471	0.349	1.35
33	22:56	1.00	5.000	0.18	53.90	50.00	0.616	0.571	1.08
34	24:21	1.00	5.000	0.19	67.62	50.00	0.570	0.421	1.35
35	25:37	1.00	5.000	0.20	63.96	50.00	0.904	0.707	1.28
36	28:07	1.00	5.000	0.22	70.49	50.00	0.535	0.379	1.41
37	33:24	1.00	5.000	0.26	54.72	50.00	0.971	0.887	1.09
38	33:54	1.00	5.000	0.27	55.36	50.00	0.597	0.540	1.11
39	35:14	1.00	5.000	0.28	109.95	100.00	0.563	0.512	1.10
40	12:30	1.01	10.000	0.13	53.47	50.00	1.723	1.611	1.07
41	31:25	1.00	10.000	0.12	50.27	50.00	0.888	0.883	1.01
42	24:09	1.00	10.000	0.25	51.05	50.00	3.928	3.847	1.02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SCAN
TIME

QUANTITATION REPORT FILE: GWB60507B18

DATA: GWB60507B18.TI
05/07/86 21:13:00
SAMPLE: 100 STD. #1845
COMPOUNDS:
SUBMITTED BY: 18 ANALYST: 941

AMOUNT=AREA * REF.AMN7/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLORDPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORDDIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

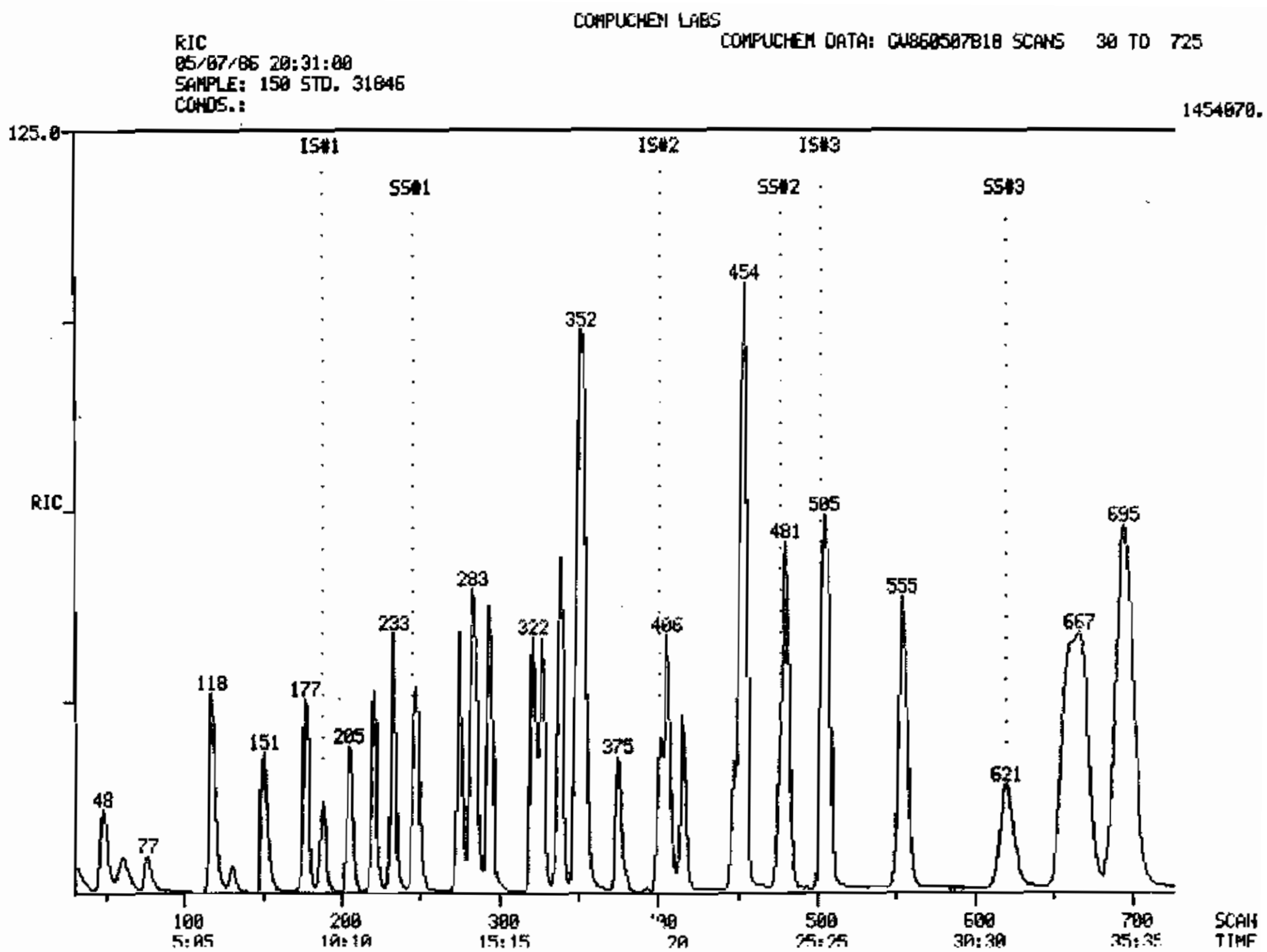
5/8/86

O	M/E	BCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
1	128	192	9:46	1	1.000	A BB	110363.	50.000	UG/KG	1.17
2	50	32	1:38	1	0.167	A BB	156921.	97.535	UG/KG	2.29

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	51	2:36	1	0.266	A BB	206857.	84.635	UG/KG	1.99
4	62	64	3:15	1	0.333	A BB	166928.	100.378	UG/KG	2.36
5	64	82	4:10	1	0.427	A BB	82212.	96.448	UG/KG	2.27
6	84	124	6:18	1	0.646	A BB	225752.	115.918	UG/KG	2.72
7	43	137	6:58	1	0.714	A BV	78881.	80.750	UG/KG	1.90
8	76	156	7:56	1	0.812	A BB	616953.	117.004	UG/KG	2.75
9	96	182	9:15	1	0.948	A BB	201763.	125.494	UG/KG	2.95
10	63	209	10:37	1	1.089	A BB	357542.	129.220	UG/KG	3.04
11	96	223	11:20	1	1.161	A BB	234561.	121.204	UG/KG	2.85
12	83	235	11:57	1	1.224	A BV	514321.	115.182	UG/KG	2.71
13	62	250	12:42	1	1.302	A BV	402884.	111.226	UG/KG	2.61
14	114	401	20:23	14	1.000	A BB	455664.	50.000	UG/KG	1.17
15	72	248	12:36	14	0.618	A BB	27652.	83.765	UG/KG	1.97
16	97	276	14:02	14	0.688	A BB	436167.	122.003	UG/KG	2.87
17	117	285	14:29	14	0.711	A VV	464251.	120.439	UG/KG	2.83
18	43	287	14:35	14	0.716	A BV	340467.	103.636	UG/KG	2.44
19	83	295	15:00	14	0.736	A BV	500209.	111.239	UG/KG	2.61
20	63	323	16:25	14	0.805	A BB	221613.	120.368	UG/KG	2.83
21	75	328	16:40	14	0.818	A BB	365887.	114.404	UG/KG	2.69
22	130	339	17:14	14	0.845	A BB	327064.	111.798	UG/KG	2.63
23	129	351	17:51	14	0.875	A BB	436893.	96.841	UG/KG	2.28
24	97	354	18:00	14	0.883	A VB	230113.	91.454	UG/KG	2.15
25	78	349	17:44	14	0.870	A BB	637319.	113.719	UG/KG	2.67
26	75	354	18:00	14	0.883	A BV	279713.	105.863	UG/KG	2.49
27	63	376	19:07	14	0.938	A BB	186142.	113.976	UG/KG	2.68
28	173	406	20:38	14	1.012	A BB	365945.	97.156	UG/KG	2.28
29	117	503	25:34	29	1.000	A BV	409703.	50.000	UG/KG	1.17
30	43	416	21:09	29	0.827	A BB	348797.	102.066	UG/KG	2.40
31	43	448	22:46	29	0.891	A BV	265299.	98.394	UG/KG	2.31
32	164	454	23:05	29	0.903	A BB	308591.	107.852	UG/KG	2.53
33	83	453	23:02	29	0.901	A BV	460087.	98.272	UG/KG	2.31
34	92	481	24:27	29	0.956	A BB	396846.	114.956	UG/KG	2.70
35	112	506	25:43	29	1.006	A BV	625552.	108.000	UG/KG	2.54
36	106	555	28:13	29	1.103	A BV	357986.	115.197	UG/KG	2.71
37	104	660	33:33	29	1.312	A BB	740029.	101.826	UG/KG	2.39
38	106	668	33:57	29	1.328	A BB	436569.	98.743	UG/KG	2.32
39	106	695	35:20	29	1.382	A BB	836558.	199.252	UG/KG	4.68
40	65	248	12:36	1	1.292	A BB	202784.	57.017	UG/KG	1.34
41	95	621	31:34	29	1.235	A BB	372622.	51.511	UG/KG	1.21
42	98	477	24:15	1	2.484	A BV	429858.	50.622	UG/KG	1.19

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:39	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35	1.03	10.000	0.02	97.54	50.00	1.422	0.729	1.95
3	2:26	1.06	10.000	0.03	84.64	50.00	1.874	1.107	1.69
4	3:09	1.03	10.000	0.03	100.38	50.00	1.513	0.753	2.01
5	4:01	1.04	10.000	0.04	96.45	50.00	0.745	0.386	1.93
6	6:12	1.02	5.000	0.13	115.92	50.00	2.046	0.882	2.32
7	6:49	1.02	10.000	0.07	80.75	50.00	0.715	0.443	1.62
8	7:50	1.01	5.000	0.16	117.00	50.00	5.590	2.389	2.34
9	9:09	1.01	5.000	0.19	125.49	50.00	1.828	0.728	2.51
10	10:31	1.01	5.000	0.22	129.22	50.00	3.240	1.254	2.58
11	11:14	1.01	5.000	0.23	121.20	50.00	2.125	0.877	2.42
2	11:51	1.01	5.000	0.24	115.18	50.00	4.660	2.023	2.30
3	12:36	1.01	5.000	0.26	111.23	50.00	3.651	1.641	2.22
14	20:20	1.00	1.000	1.00	50.00	50.00	1.000	1.080	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:30	1.01	10.000	0.06	83.77	50.00	0.061	0.036	1.68
16	13:59	1.00	5.000	0.14	122.00	50.00	0.957	0.392	2.44
7	14:23	1.01	5.000	0.14	120.44	50.00	1.019	0.423	2.41
8	14:32	1.00	10.000	0.07	103.64	50.00	0.747	0.360	2.07
19	14:54	1.01	5.000	0.15	111.24	50.00	1.098	0.493	2.22
20	16:19	1.01	5.000	0.16	120.37	50.00	0.486	0.202	2.41
21	16:34	1.01	5.000	0.16	114.40	50.00	0.803	0.351	2.29
22	17:08	1.01	5.000	0.17	111.80	50.00	0.718	0.321	2.24
23	17:47	1.00	5.000	0.18	96.84	50.00	0.959	0.495	1.94
24	17:54	1.01	5.000	0.18	91.45	50.00	0.505	0.276	1.83
25	17:41	1.00	5.000	0.17	113.72	50.00	1.399	0.615	2.27
26	17:54	1.01	5.000	0.18	185.86	50.00	0.614	0.290	2.12
27	19:01	1.01	10.000	0.09	113.98	50.00	0.409	0.179	2.28
28	20:32	1.00	5.000	0.20	97.16	50.00	0.803	0.413	1.94
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.00	10.000	0.08	102.07	50.00	0.851	0.417	2.04
31	22:40	1.00	10.000	0.09	98.39	50.00	0.648	0.329	1.97
32	22:59	1.00	5.000	0.18	107.85	50.00	0.753	0.349	2.16
33	22:56	1.00	5.000	0.18	98.27	50.00	1.123	0.571	1.97
34	24:21	1.00	5.000	0.19	114.96	50.00	0.969	0.421	2.30
35	25:37	1.00	5.000	0.20	108.00	50.00	1.527	0.707	2.16
36	28:07	1.00	5.000	0.22	115.20	50.00	0.874	0.379	2.30
37	33:24	1.00	5.000	0.26	101.83	50.00	1.806	0.887	2.04
38	33:54	1.00	5.000	0.27	98.74	50.00	1.066	0.540	1.97
39	35:14	1.00	5.000	0.28	199.25	100.00	1.021	0.512	1.99
40	12:30	1.01	10.000	0.13	57.02	50.00	1.837	1.611	1.14
41	31:25	1.00	10.000	0.12	51.51	50.00	0.909	0.883	1.03
42	24:09	1.00	10.000	0.25	50.62	50.00	3.895	3.847	1.01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SCAN
TIME

QUANTITATION REPORT FILE: GV860507B18

DATA: GV860507B18.TI
05/07/86 20:31:00
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..NDS. :
SUBMITTED BY: 18 ANALYST: 941

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-03-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (I6)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

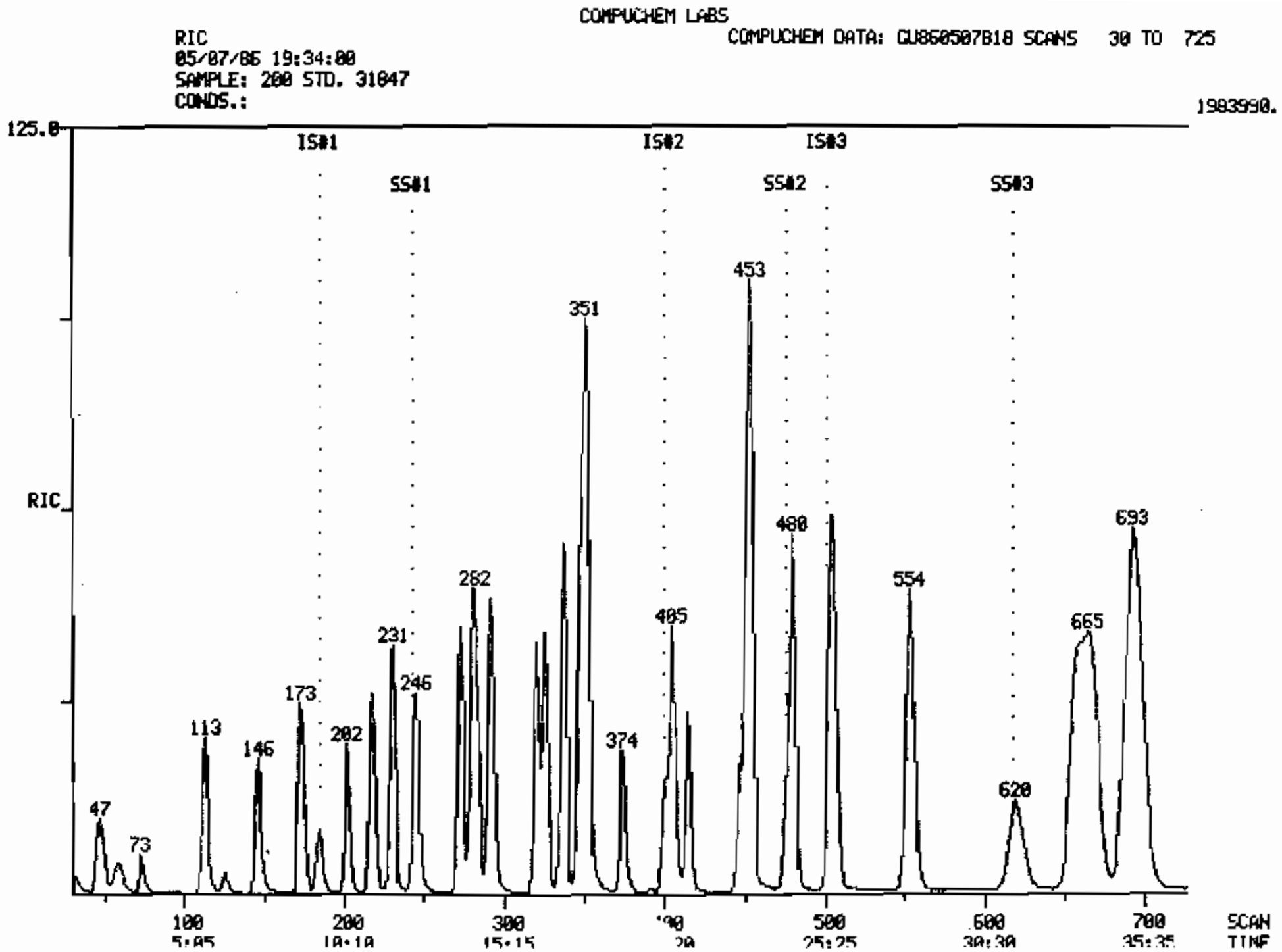
5/8/86

)	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	188	9:33	1	1.000	A BB	118886.	50.000	UG/KG	0.83
2	50	31	1:35	1	0.165	A BB	211832.	122.227	UG/KG	2.04

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	48	2:26	1	0.255	A BB	300362.	114.082	UG/KG	1.90
4	62	61	3:06	1	0.324	A BV	242466.	135.349	UG/KG	2.26
5	64	77	3:55	1	0.410	A BB	129945.	141.518	UG/KG	2.36
6	84	118	6:00	1	0.628	A BB	432871.	206.334	UG/KG	3.44
7	43	131	6:40	1	0.697	A BV	139153.	132.238	UG/KG	2.21
8	76	151	7:41	1	0.803	A BB	936875.	164.938	UG/KG	2.75
9	96	177	9:00	1	0.941	A BB	317559.	183.357	UG/KG	3.06
10	63	205	10:25	1	1.090	A BB	551147.	184.911	UG/KG	3.09
11	96	221	11:14	1	1.176	A BB	355945.	170.740	UG/KG	2.85
12	83	233	11:51	1	1.239	A BV	784386.	163.069	UG/KG	2.72
13	62	248	12:36	1	1.319	A BV	593873.	152.199	UG/KG	2.54
14	114	401	20:23	14	1.000	A BB	479763.	50.000	UG/KG	0.83
15	72	246	12:30	14	0.613	A BV	42228.	121.494	UG/KG	2.03
16	97	275	13:59	14	0.686	A BV	683515.	181.586	UG/KG	3.03
17	117	283	14:23	14	0.706	A VB	733476.	180.724	UG/KG	3.02
18	43	286	14:32	14	0.713	A VV	508850.	147.110	UG/KG	2.46
19	83	294	14:57	14	0.733	A BV	761797.	160.903	UG/KG	2.69
20	63	322	16:22	14	0.803	A BV	325734.	168.034	UG/KG	2.81
21	75	327	16:37	14	0.815	A BB	551033.	163.640	UG/KG	2.73
22	130	338	17:11	14	0.843	A BB	492550.	159.907	UG/KG	2.67
23	129	351	17:51	14	0.875	A BB	639760.	134.684	UG/KG	2.25
24	97	353	17:57	14	0.880	A VB	323902.	122.263	UG/KG	2.04
25	78	349	17:44	14	0.870	A BV	980995.	166.249	UG/KG	2.78
26	75	353	17:57	14	0.880	A BB	413013.	145.461	UG/KG	2.48
27	63	375	19:04	14	0.935	A BB	278454.	161.935	UG/KG	2.70
28	173	406	20:38	14	1.012	A BB	554771.	139.890	UG/KG	2.34
29	117	503	25:34	29	1.000	A BV	416279.	50.000	UG/KG	0.83
30	43	416	21:09	29	0.827	A BV	521166.	150.096	UG/KG	2.51
31	43	448	22:46	29	0.891	A BB	403159.	147.162	UG/KG	2.46
32	164	454	23:05	29	0.903	A BV	451104.	155.169	UG/KG	2.59
33	83	453	23:02	29	0.901	A BV	659865.	138.717	UG/KG	2.32
34	92	481	24:27	29	0.956	A BB	594156.	169.393	UG/KG	2.83
35	112	506	25:43	29	1.006	A BB	928715.	157.807	UG/KG	2.63
36	106	555	28:13	29	1.103	A BV	540540.	171.194	UG/KG	2.86
37	104	660	33:33	29	1.312	A BB	1070440.	144.964	UG/KG	2.42
38	106	669	34:00	29	1.330	A BB	631921.	140.670	UG/KG	2.35
39	106	695	35:20	29	1.382	A BB	1199690.	281.230	UG/KG	4.70
40	65	246	12:30	1	1.309	A BB	207544.	54.171	UG/KG	0.90
41	95	621	31:34	29	1.235	A BB	385962.	52.512	UG/KG	0.88
42	98	477	24:15	1	2.537	A BV	445580.	48.712	UG/KG	0.81

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	9:39	0.99	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35	1.00	10.000	0.02	122.23	50.00	1.782	0.729	2.44
3	2:26	1.00	10.000	0.03	114.08	50.00	2.326	1.107	2.28
4	3:09	0.98	10.000	0.03	135.35	50.00	2.039	0.753	2.71
5	4:01	0.97	10.000	0.04	141.52	50.00	1.093	0.386	2.83
6	6:12	0.97	5.000	0.13	206.33	50.00	3.641	0.882	4.13
7	6:49	0.98	10.000	0.07	132.24	50.00	1.170	0.443	2.64
8	7:50	0.98	5.000	0.16	164.94	50.00	7.080	2.389	3.30
9	9:09	0.98	5.000	0.19	153.36	50.00	2.671	0.728	3.67
10	10:31	0.99	5.000	0.22	184.91	50.00	4.636	1.254	3.70
11	11:14	1.00	5.000	0.24	170.74	50.00	2.994	0.877	3.41
12	11:51	1.00	5.000	0.25	163.07	50.00	6.598	2.023	3.26
13	12:36	1.00	5.000	0.26	152.20	50.00	4.995	1.641	3.04
14	20:20	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:30	1.00	10.000	0.06	121.49	50.00	0.088	0.036	2.43
16	13:59	1.00	5.000	0.14	181.59	50.00	1.425	0.392	3.63
17	14:23	1.00	5.000	0.14	180.72	50.00	1.529	0.423	3.61
18	14:32	1.00	10.000	0.07	147.11	50.00	1.061	0.360	2.94
19	14:54	1.00	5.000	0.15	160.90	50.00	1.588	0.493	3.22
20	16:19	1.00	5.000	0.16	168.03	50.00	0.679	0.202	3.36
21	16:34	1.00	5.000	0.16	163.64	50.00	1.149	0.351	3.27
22	17:08	1.00	5.000	0.17	159.91	50.00	1.027	0.321	3.20
23	17:47	1.00	5.000	0.18	134.68	50.00	1.333	0.495	2.69
24	17:54	1.00	5.000	0.18	122.26	50.00	0.675	0.276	2.45
25	17:41	1.00	5.000	0.17	166.25	50.00	2.045	0.615	3.32
26	17:54	1.00	5.000	0.18	148.46	50.00	0.861	0.290	2.97
27	19:01	1.00	10.000	0.09	161.93	50.00	0.580	0.179	3.24
28	20:32	1.00	5.000	0.20	139.89	50.00	1.156	0.413	2.80
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.00	10.000	0.00	150.10	50.00	1.252	0.417	3.00
31	22:40	1.00	10.000	0.09	147.16	50.00	0.968	0.329	2.94
32	22:59	1.00	5.000	0.18	155.17	50.00	1.084	0.349	3.10
33	22:56	1.00	5.000	0.18	138.72	50.00	1.585	0.571	2.77
34	24:21	1.00	5.000	0.19	169.39	50.00	1.427	0.421	3.39
35	25:37	1.00	5.000	0.20	157.81	50.00	2.231	0.707	3.16
36	28:07	1.00	5.000	0.22	171.19	50.00	1.299	0.379	3.42
37	33:24	1.00	5.000	0.26	144.96	50.00	2.571	0.887	2.90
38	33:54	1.00	5.000	0.27	140.67	50.00	1.518	0.540	2.81
39	35:14	1.00	5.000	0.28	281.23	100.00	1.441	0.512	2.81
40	12:30	1.00	10.000	0.13	54.17	50.00	1.746	1.611	1.08
41	31:25	1.00	10.000	0.12	52.51	50.00	0.927	0.883	1.05
42	24:09	1.00	10.000	0.25	48.71	50.00	3.748	3.847	0.97


COMPUCHEM LABS
RIC
05/07/86 19:34:00
SAMPLE: 200 STD. 31047
CONDS.:
COMPUCHEM DATA: CU860507B18 SCANS 30 TO 725
1983990.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
RIC
47
73
113
146
173
202
231
246
282
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374
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453
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554
620
665
693
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35
SCAN
TIME

QUANTITATION REPORT FILE: GUB60507B1B

DATA: GUB60507B1B.TI
 /07/86 19:34:00
SAMPLE: 200 BTD. 31847
CONDS. :
SUBMITTED BY: 18 ANALYST: 941

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	*258 D4-1,2-DICHLOROETHANE E8#2
41	*247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	*233 D8-TOLUENE E8#4

Sa Hubbard 5/6/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	185	9:24	1	1.000	A BV	121047.	50.000	UG/KG	0.64
2	50	31	1:35	1	0.168	A BB	188766.	106.973	UG/KG	1.37

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	48	2:26	1	0.259	A BB	371893.	138.729	UG/KG	1.77
4	62	59	3:00	1	0.319	A BV	273325.	149.851	UG/KG	1.91
5	64	73	3:43	1	0.395	A BB	174341.	186.478	UG/KG	2.38
6	84	113	5:45	1	0.611	A BB	449243.	210.315	UG/KG	2.69
7	43	126	6:24	1	0.681	A BV	166152.	155.077	UG/KG	1.98
8	76	146	7:25	1	0.789	A BB	1227670.	212.275	UG/KG	2.71
9	96	173	8:48	1	0.935	A BV	436670.	247.630	UG/KG	3.16
10	63	202	10:16	1	1.092	A BB	740146.	243.887	UG/KG	3.11
11	96	218	11:05	1	1.178	A BB	494547.	232.991	UG/KG	2.98
12	83	231	11:45	1	1.249	A BV	1077740.	220.056	UG/KG	2.81
13	62	246	12:30	1	1.330	A BB	862779.	217.168	UG/KG	2.77
14	114	400	20:20	14	1.000	A BV	485812.	50.000	UG/KG	0.64
15	72	244	12:24	14	0.610	A BB	60961.	173.207	UG/KG	2.21
16	97	273	13:53	14	0.682	A BV	967222.	253.758	UG/KG	3.24
17	117	281	14:17	14	0.702	A VV	103B510.	252.699	UG/KG	3.23
18	43	284	14:26	14	0.710	A VV	684B66.	195.531	UG/KG	2.50
19	83	292	14:51	14	0.730	A BB	1086100.	226.545	UG/KG	2.89
20	63	320	16:16	14	0.800	A BV	454410.	231.495	UG/KG	2.96
21	75	326	16:34	14	0.815	A BB	773916.	226.968	UG/KG	2.90
22	130	337	17:08	14	0.842	A BB	69863B.	223.990	UG/KG	2.86
23	129	350	17:47	14	0.875	A BB	893014.	185.659	UG/KG	2.37
24	97	352	17:54	14	0.880	A VV	444536.	165.709	UG/KG	2.12
25	78	348	17:41	14	0.870	A BB	1293390.	216.462	UG/KG	2.76
26	75	352	17:54	14	0.880	A BB	580312.	206.001	UG/KG	2.63
27	63	374	19:01	14	0.935	A BV	390760.	224.417	UG/KG	2.87
28	173	405	20:35	14	1.012	A BB	800943.	199.449	UG/KG	2.55
29	117	502	25:31	29	1.000	A BB	425577.	50.000	UG/KG	0.64
30	43	415	21:06	29	0.827	A BV	713453.	200.985	UG/KG	2.57
1	43	447	22:43	29	0.890	A BV	573365.	204.718	UG/KG	2.61
32	164	453	23:02	29	0.902	A BV	612343.	206.030	UG/KG	2.63
33	83	452	22:59	29	0.900	A BV	877797.	188.499	UG/KG	2.31
34	92	480	24:24	29	0.956	A BV	832906.	232.272	UG/KG	2.97
35	112	505	25:40	29	1.006	A BV	1309260.	217.609	UG/KG	2.78
36	106	554	28:10	29	1.104	A BB	773377.	239.585	UG/KG	3.06
37	104	658	33:27	29	1.311	A BB	1482B00.	196.420	UG/KG	2.51
38	106	667	33:54	29	1.329	A BB	848685.	184.795	UG/KG	2.36
39	106	693	35:14	29	1.380	A BB	1557350.	357.096	UG/KG	4.56
40	65	244	12:24	1	1.319	A BV	212127.	54.379	UG/KG	0.69
41	95	620	31:31	29	1.235	A BB	395384.	52.619	UG/KG	0.67
42	98	476	24:12	1	2.573	A BV	465477.	49.979	UG/KG	0.64

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:39	0.97	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35	1.00	10.000	0.02	106.97	50.00	1.559	0.729	2.14
3	2:26	1.00	10.000	0.03	138.73	50.00	3.072	1.107	2.77
4	3:09	0.95	10.000	0.03	149.85	50.00	2.258	0.753	3.00
5	4:01	0.92	10.000	0.04	186.48	50.00	1.440	0.386	3.73
6	6:12	0.93	5.000	0.12	210.31	50.00	3.711	0.882	4.21
7	6:49	0.94	10.000	0.07	155.08	50.00	1.373	0.443	3.10
8	T:50	0.95	5.000	0.16	212.28	50.00	10.142	2.389	4.25
9	9:09	0.96	5.000	0.19	247.63	50.00	3.607	0.728	4.95
10	10:31	0.98	5.000	0.22	243.89	50.00	6.115	1.254	4.88
11	11:14	0.99	5.000	0.24	232.99	50.00	4.086	0.877	4.66
12	11:51	0.99	5.000	0.25	220.06	50.00	8.904	2.023	4.40
13	12:36	0.99	5.000	0.27	217.17	50.00	7.128	1.641	4.34
14	20:20	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:30	0.99	10.000	0.06	173.21	50.00	0.125	0.036	3.46
16	13:59	0.99	5.000	0.14	253.76	50.00	1.991	0.392	5.08
7	14:23	0.99	5.000	0.14	252.70	50.00	2.138	0.423	5.05
18	14:32	0.99	10.000	0.07	195.53	50.00	1.410	0.360	3.91
19	14:54	1.00	5.000	0.15	226.55	50.00	2.236	0.493	4.53
20	16:19	1.00	5.000	0.16	231.49	50.00	0.935	0.202	4.63
21	16:34	1.00	5.000	0.16	226.97	50.00	1.593	0.351	4.54
22	17:08	1.00	5.000	0.17	223.99	50.00	1.438	0.321	4.48
23	17:47	1.00	5.000	0.17	185.66	50.00	1.838	0.495	3.71
24	17:54	1.00	5.000	0.10	165.71	50.00	0.915	0.276	3.31
25	17:41	1.00	5.000	0.17	216.46	50.00	2.662	0.615	4.33
26	17:54	1.00	5.000	0.18	206.00	50.00	1.195	0.290	4.12
27	19:01	1.00	10.000	0.09	224.42	50.00	0.804	0.179	4.49
28	20:32	1.00	5.000	0.20	199.45	50.00	1.649	0.413	3.99
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.00	10.000	0.08	200.99	50.00	1.676	0.417	4.02
31	22:40	1.00	10.000	0.09	204.72	50.00	1.347	0.329	4.09
32	22:59	1.00	5.000	0.18	206.03	50.00	1.439	0.349	4.12
33	22:56	1.00	5.000	0.18	180.50	50.00	2.063	0.571	3.61
34	24:21	1.00	5.000	0.19	232.27	50.00	1.957	0.421	4.65
35	25:37	1.00	5.000	0.20	217.61	50.00	3.076	0.707	4.35
36	28:07	1.00	5.000	0.22	239.58	50.00	1.817	0.379	4.79
37	33:24	1.00	5.000	0.26	196.42	50.00	3.484	0.887	3.93
38	33:54	1.00	5.000	0.27	184.80	50.00	1.994	0.540	3.70
39	35:14	1.00	5.000	0.28	357.10	100.00	1.830	0.512	3.57
40	12:30	0.99	10.000	0.13	54.38	50.00	1.752	1.611	1.09
41	31:25	1.00	10.000	0.12	52.62	50.00	0.929	0.883	1.05
42	24:09	1.00	10.000	0.26	49.98	50.00	3.845	3.847	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 14:41
Time Tune Expires 2:41

Shift(s) (A) ✓ (B) ___ (C) ___
Date 5-7-86
Analysis Type E238

Run Log

	REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #s, Disposition, E
1		BF860507A18		5/7/86	14:41			2ul	879		2940	17648
2	X	GB860507A18		/ /	15:00			1ul	879			17642, 17644
3	X	GS860507A18		/ /	15:40			1ul	879			std #1844 (50 [illegible] high
4	X	GS860507B18		/ /	16:55			10ml	941			50 STD #1844
5	X	GT860507B18		/ /	18:04			10ml	941			20 STD #1843
6		GU860507B18		/ /	19:34			10ml	941			200 STD #1847
7		GV860507B18		/ /	20:31			10ml	941			150 STD #1846
8		GW860507B18		/ /	21:13			10ml	941			100 STD #1845
9		GX860507B18		/ /	22:30			10ml	941			20 STD #1843
10		GB860507B18		/ /	23:47			10ml	941			
11		GB860507B18		5/8/86	0:36			10ml	891			
12		GD860507B18		/ /	1:23			10ml	891			
13		GE860507B18		/ /	2:16			10ml	891			OK
14				/ /	:							
15				/ /	:							
16				/ /	:							
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
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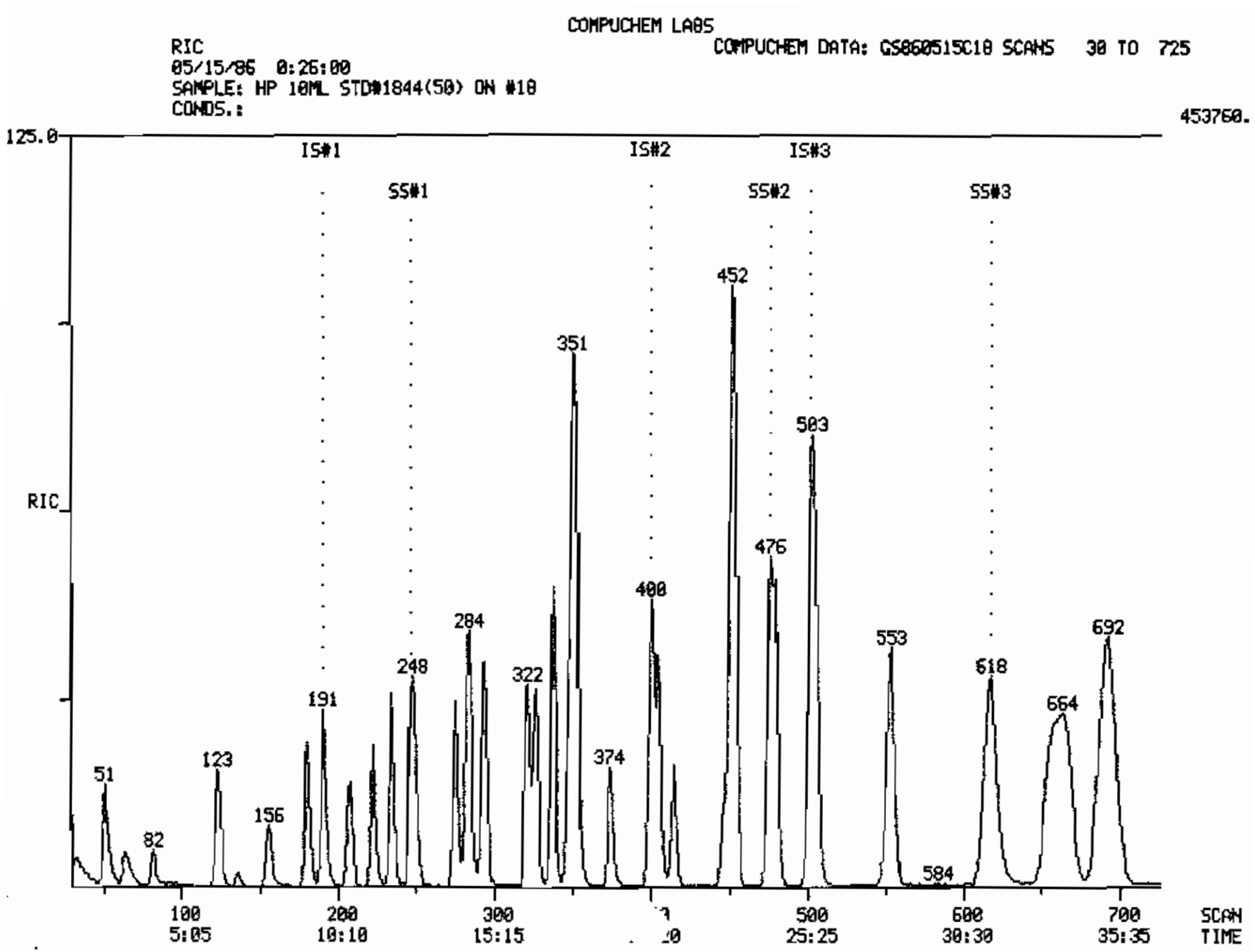
Prep[illegible]d, Multiple Copies

[signature] 5/8/86


COMPUCHEM LABS
RIC
05/15/86 0:26:00
SAMPLE: HP 10ML STD#1844(50) ON #10
CONDS.:
COMPUCHEM DATA: GS860515C10 SCANS 30 TO 725
453760.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
51
82
123
156
191
248
284
322
351
374
400
452
476
503
553
584
618
664
692
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35
SCAN
TIME

QUANTITATION REPORT FILE: QS860515C18

DATA: QS860515C18.TI
r '15/86 0:26:00
. PLE: HP 10ML STD#1844(50) ON #18
CONDS.:
SUBMITTED BY: 18 ANALYST: 891

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
`	257 VINYL ACETATE <108-05-4> E6#5
	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

5/15/86

	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	191	9:43	1	1.000	A BB	68161.	50.000	UG/KG	2.33
2	50	33	1:41	1	0.173	A BB	63021.	50.000	UG/KG	2.33

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	51	2:36	1	0.267	A BB	88334.	50.000	UG/KG	2.33
4	62	64	3:15	1	0.335	A BB	60293.	50.000	UG/KG	2.33
5	64	82	4:10	1	0.429	A BB	33336.	50.000	UG/KG	2.33
6	84	123	6:15	1	0.644	A BB	62719.	50.000	UG/KG	2.33
7	43	136	6:55	1	0.712	A BB	24591.	50.000	UG/KG	2.33
8	76	156	7:56	1	0.817	A BB	120862.	50.000	UG/KG	2.33
9	96	181	9:12	1	0.948	A BB	66354.	50.000	UG/KG	2.33
10	63	208	10:34	1	1.089	A BB	108823.	50.000	UG/KG	2.33
11	96	222	11:17	1	1.162	A BB	74192.	50.000	UG/KG	2.33
12	83	234	11:54	1	1.225	A BB	155282.	50.000	UG/KG	2.33
13	62	249	12:39	1	1.304	A BB	114347.	50.000	UG/KG	2.33
14	114	400	20:20	14	1.000	A BB	277912.	50.000	UG/KG	2.33
15	72	247	12:33	14	0.617	A BB	7950.	50.000	UG/KG	2.33
16	97	275	13:59	14	0.688	A BB	139973.	50.000	UG/KG	2.33
17	117	283	14:23	14	0.707	A VB	186554.	50.000	UG/KG	2.33
18	43	286	14:32	14	0.715	A BB	80440.	50.000	UG/KG	2.33
19	83	294	14:57	14	0.735	A BV	160389.	50.000	UG/KG	2.33
20	63	321	16:19	14	0.802	A BB	78505.	50.000	UG/KG	2.33
21	75	327	16:37	14	0.817	A BB	122481.	50.000	UG/KG	2.33
22	130	338	17:11	14	0.845	A BV	132632.	50.000	UG/KG	2.33
23	129	350	17:47	14	0.875	A BV	190068.	50.000	UG/KG	2.33
24	97	352	17:54	14	0.880	A BB	92042.	50.000	UG/KG	2.33
25	78	348	17:41	14	0.870	A BB	193365.	50.000	UG/KG	2.33
26	75	353	17:57	14	0.883	A BB	91980.	50.000	UG/KG	2.33
27	63	374	19:01	14	0.935	A BB	58659.	50.000	UG/KG	2.33
28	173	405	20:35	14	1.012	A BB	153211.	50.000	UG/KG	2.33
29	117	502	25:31	29	1.000	A BV	268284.	50.000	UG/KG	2.33
30	43	415	21:06	29	0.827	A BV	119044.	50.000	UG/KG	2.33
31	43	446	22:40	29	0.888	A BV	87891.	50.000	UG/KG	2.33
32	164	453	23:02	29	0.902	A BB	132125.	50.000	UG/KG	2.33
33	83	451	22:56	29	0.898	A BB	167124.	50.000	UG/KG	2.33
34	92	479	24:21	29	0.954	A BB	151016.	50.000	UG/KG	2.33
35	112	504	25:37	29	1.004	A BB	242610.	50.000	UG/KG	2.33
36	106	553	28:07	29	1.102	A BB	119832.	50.000	UG/KG	2.33
37	104	656	33:21	29	1.307	A BB	201996.	50.000	UG/KG	2.33
38	106	665	33:48	29	1.325	A BB	130168.	50.000	UG/KG	2.33
39	106	692	35:11	29	1.378	A BB	241241.	100.000	UG/KG	4.65
40	65	247	12:33	1	1.293	A BV	104684.	50.000	UG/KG	2.33
41	95	618	31:25	29	1.231	A BB	221645.	50.000	UG/KG	2.33
42	98	476	24:12	1	2.492	A BB	259864.	50.000	UG/KG	2.33

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:43	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:41	1.00	10.000	0.02	50.00	50.00	0.925	0.925	1.00
3	2:36	1.00	10.000	0.03	50.00	50.00	1.296	1.296	1.00
4	3:15	1.00	10.000	0.03	50.00	50.00	0.885	0.885	1.00
5	4:10	1.00	10.000	0.04	50.00	50.00	0.489	0.489	1.00
6	6:15	1.00	5.000	0.13	50.00	50.00	0.920	0.920	1.00
7	6:55	1.00	10.000	0.07	50.00	50.00	0.361	0.361	1.00
8	7:56	1.00	5.000	0.16	50.00	50.00	1.773	1.773	1.00
9	9:12	1.00	5.000	0.19	50.00	50.00	0.973	0.973	1.00
10	10:34	1.00	5.000	0.22	50.00	50.00	1.597	1.597	1.00
11	11:17	1.00	5.000	0.23	50.00	50.00	1.088	1.088	1.00
12	11:54	1.00	5.000	0.25	50.00	50.00	2.278	2.278	1.00
13	12:39	1.00	5.000	0.26	50.00	50.00	1.678	1.678	1.00
14	20:20	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:33	1.00	10.000	0.06	50.00	50.00	0.029	0.029	1.00
16	13:59	1.00	5.000	0.14	50.00	50.00	0.504	0.504	1.00
7	14:23	1.00	5.000	0.14	50.00	50.00	0.671	0.671	1.00
3	14:32	1.00	10.000	0.07	50.00	50.00	0.289	0.289	1.00
19	14:57	1.00	5.000	0.15	50.00	50.00	0.577	0.577	1.00
20	16:19	1.00	5.000	0.16	50.00	50.00	0.282	0.282	1.00
21	16:37	1.00	5.000	0.16	50.00	50.00	0.441	0.441	1.00
22	17:11	1.00	5.000	0.17	50.00	50.00	0.477	0.477	1.00
23	17:47	1.00	5.000	0.17	50.00	50.00	0.684	0.684	1.00
24	17:54	1.00	5.000	0.18	50.00	50.00	0.331	0.331	1.00
25	17:41	1.00	5.000	0.17	50.00	50.00	0.696	0.696	1.00
26	17:57	1.00	5.000	0.18	50.00	50.00	0.331	0.331	1.00
27	19:01	1.00	10.000	0.09	50.00	50.00	0.211	0.211	1.00
28	20:35	1.00	5.000	0.20	50.00	50.00	0.551	0.551	1.00
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:06	1.00	10.000	0.08	50.00	50.00	0.444	0.444	1.00
31	22:40	1.00	10.000	0.09	50.00	50.00	0.328	0.328	1.00
32	23:02	1.00	5.000	0.18	50.00	50.00	0.492	0.492	1.00
33	22:56	1.00	5.000	0.18	50.00	50.00	0.623	0.623	1.00
34	24:21	1.00	5.000	0.19	50.00	50.00	0.563	0.563	1.00
35	25:37	1.00	5.000	0.20	50.00	50.00	0.904	0.904	1.00
36	28:07	1.00	5.000	0.22	50.00	50.00	0.447	0.447	1.00
37	33:21	1.00	5.000	0.26	50.00	50.00	0.753	0.753	1.00
38	33:48	1.00	5.000	0.26	50.00	50.00	0.485	0.485	1.00
39	35:11	1.00	5.000	0.28	100.00	100.00	0.450	0.450	1.00
40	12:33	1.00	10.000	0.13	50.00	50.00	1.536	1.536	1.00
41	31:25	1.00	10.000	0.12	50.00	50.00	0.826	0.826	1.00
42	24:12	1.00	10.000	0.25	50.00	50.00	3.812	3.812	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

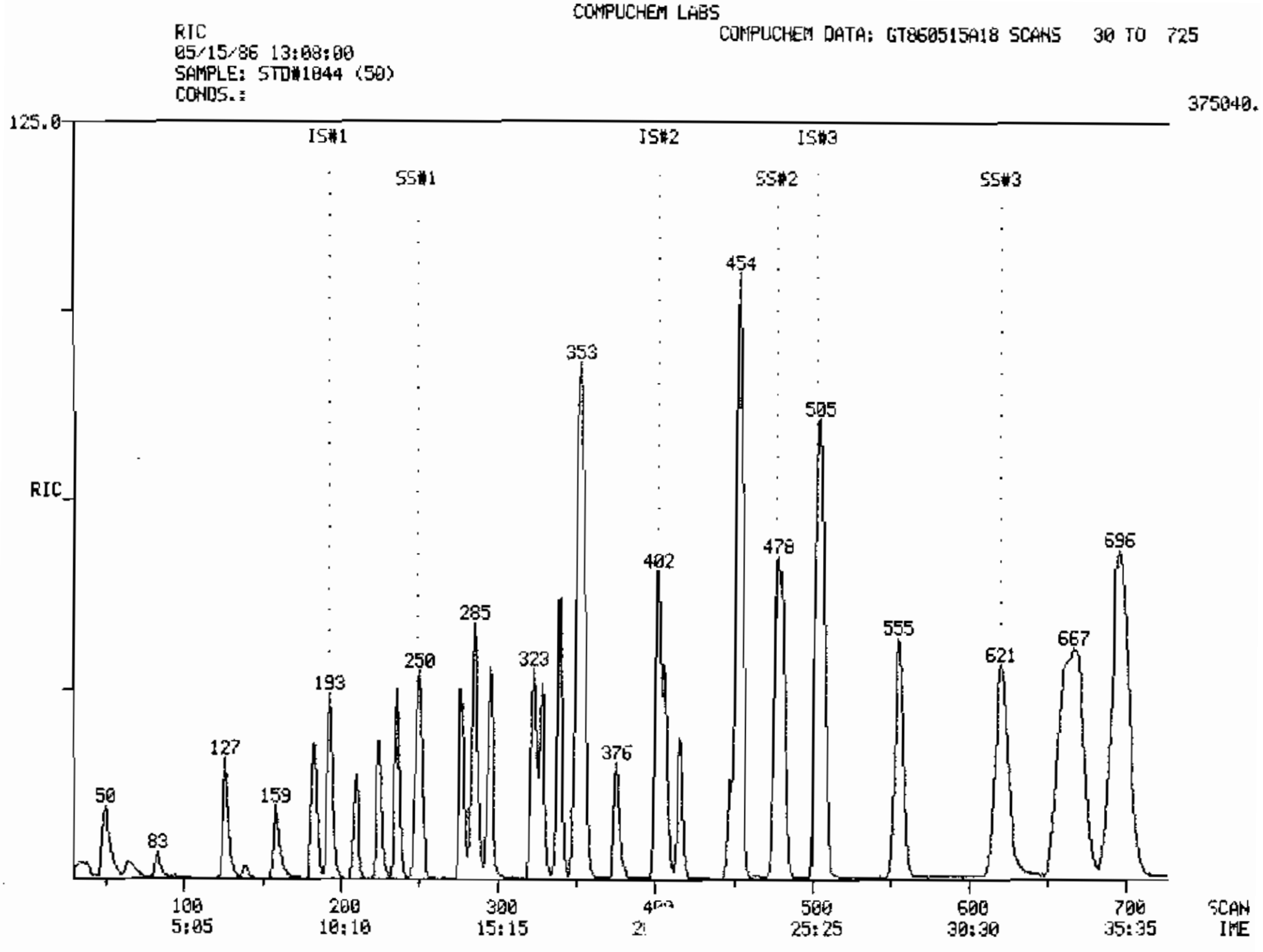
Initial Time of Tune 22:15
Time Tune Expires 10:15

Shift(s) (A) ____ (B) ____ (C) ____
Date 5-14-86
Analysis Type E-238

Run Log

	REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Et
1		BF860514B18		5/14/86	22:15			2µ	941		2940	
2	X	BS860514B18		/ /	2235			1ml	941			50 STD #2844
3	X	BB860514B18		/ /	2329			1ml	941			Chloroform
4		GS860515C18		5/15/86	0126			10ml	891			#1844(50) QR
5		GB860515C18		/ /	1:21	blank		10ml	891			QR
6		GH084843C18		/ /	2:20	HB1	5898	10ml	891			
7		GH085119C18		/ /	3:10	B1	5898	10ml	891			
8		GH084844C18		/ /	4:01	HB2	5898	10ml	891			
9		GH085028C18		/ /	4:50	B1	URS WEST	10ml	891			
10		GR084788C18		/ /	6:03	BF060	5898	10ml	891			
11		GH084986C18		/ /	6:50	A-Sediment	URS WEST	10ml	891			
12		GH084990C18		/ /	7:41	B-Sediment	URS-West	6ml	891			
13		GH085000A18		/ /	8:21	D-sediment	URS-West	1ml	819			
14		GH085001A18		/ /	9:02	E-sediment	URS-West	1ml	819			
15		GH085002A18		/ /	9:45	F-sediment	URS-West	1ml	819			
16				/ /	:							
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							
25				/ /	:							
26				/ /	:							DA 5/15/86

Press hard, Multiple Copies


COMPUCHEM LABS
RIC
05/15/86 13:08:00
SAMPLE: STD#1044 (50)
CONDS.:
COMPUCHEM DATA: GT860515A18 SCANS 30 TO 725
375040.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
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127
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193
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555
621
667
696
100
5:05
200
10:10
300
15:15
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25:25
600
30:30
700
35:35
SCAN
IME

QUANTITATION REPORT FILE: GT860515A18

DATA: GT860515A18.TI
^5/15/86 13:08:00
.MPLE: STD#1844 (50)
CONDS.:
SUBMITTED BY: 18 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <7B-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <7B-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
'8	257 VINYL ACETATE <108-05-4> E6#5
9	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <7E-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

O	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	193	9:49	1	1.000	A BB	56744.	50.000 UG/KG	2.64
2	50	31	1:35	1	0.161	A*BB	38911.	38.896 UG/KG	2.05

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	50	2:32	1	0.259	A BB	67755.	44.059	UG/KG	2.32
4	62	65	3:18	1	0.337	A BB	38891.	39.474	UG/KG	2.08
5	64	83	4:13	1	0.430	A BB	24946.	45.925	UG/KG	2.42
6	84	127	6:27	1	0.658	A BB	58613.	47.409	UG/KG	2.50
7	43	140	7:07	1	0.725	A BB	18718.	41.035	UG/KG	2.16
8	76	159	8:05	1	0.824	A BB	131337.	47.016	UG/KG	2.48
9	96	184	9:21	1	0.953	A BB	51970.	43.589	UG/KG	2.30
10	63	210	10:40	1	1.088	A BB	88098.	43.555	UG/KG	2.30
11	96	224	11:23	1	1.161	A BB	58607.	43.498	UG/KG	2.29
12	83	236	12:00	1	1.223	A BB	125641.	43.584	UG/KG	2.30
13	62	251	12:46	1	1.301	A BB	92101.	44.150	UG/KG	2.33
14	114	402	20:26	14	1.000	A BB	241821.	50.000	UG/KG	2.64
15	72	249	12:39	14	0.619	A BB	6549.	42.161	UG/KG	2.22
16	97	277	14:05	14	0.689	A BB	111844.	42.194	UG/KG	2.22
17	117	285	14:29	14	0.709	A VB	145891.	41.857	UG/KG	2.21
18	43	288	14:38	14	0.716	A BB	66153.	43.450	UG/KG	2.29
19	83	295	15:00	14	0.734	A BV	127415.	41.834	UG/KG	2.21
20	63	323	16:25	14	0.803	A BB	67526.	42.690	UG/KG	2.25
21	75	328	16:40	14	0.816	A BB	97955.	41.764	UG/KG	2.20
22	130	339	17:14	14	0.843	A BV	106308.	41.872	UG/KG	2.21
23	129	352	17:54	14	0.876	A BB	147963.	41.755	UG/KG	2.20
24	97	354	18:00	14	0.881	A BB	72275.	41.995	UG/KG	2.21
25	78	350	17:47	14	0.871	A BV	160091.	42.457	UG/KG	2.24
26	75	354	18:00	14	0.881	A BV	73266.	42.748	UG/KG	2.25
27	63	376	19:07	14	0.935	A BB	46696.	42.155	UG/KG	2.22
28	173	406	20:38	14	1.010	A BB	117406.	41.854	UG/KG	2.21
29	117	503	25:34	29	1.000	A BB	236805.	50.000	UG/KG	2.64
30	43	416	21:09	29	0.827	A BV	114342.	43.922	UG/KG	2.32
1	43	448	22:46	29	0.891	A BV	83204.	43.798	UG/KG	2.31
2	164	454	23:05	29	0.903	A BB	108743.	42.479	UG/KG	2.24
33	83	453	23:02	29	0.901	A BV	129469.	42.450	UG/KG	2.24
34	92	481	24:27	29	0.956	A BB	124416.	42.614	UG/KG	2.25
35	112	506	25:43	29	1.006	A BB	198614.	42.559	UG/KG	2.24
36	106	555	28:13	29	1.103	A BB	99707.	43.154	UG/KG	2.27
37	104	661	33:36	29	1.314	A BB	238198.	45.169	UG/KG	2.38
38	106	669	34:00	29	1.330	A BB	150900.	45.238	UG/KG	2.38
39	106	696	35:23	29	1.384	A BB	289190.	90.073	UG/KG	4.75
40	65	249	12:39	1	1.290	A BB	88002.	49.872	UG/KG	2.63
41	95	621	31:34	29	1.235	A BB	186758.	50.242	UG/KG	2.65
42	98	477	24:15	1	2.472	A BB	214173.	52.494	UG/KG	2.77

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:43	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:38	0.97	10.000	0.02	38.90	50.00	0.686	0.881	0.78
3	2:26	1.04	10.000	0.03	44.06	50.00	1.194	1.355	0.88
4	3:15	1.02	10.000	0.03	39.47	50.00	0.685	0.868	0.79
5	4:10	1.01	10.000	0.04	45.92	50.00	0.440	0.479	0.92
6	6:21	1.02	5.000	0.13	47.41	50.00	1.033	1.089	0.95
7	7:01	1.01	10.000	0.07	41.04	50.00	0.330	0.402	0.82
8	7:59	1.01	5.000	0.16	47.02	50.00	2.315	2.461	0.94
9	9:12	1.02	5.000	0.19	43.59	50.00	0.916	1.051	0.87
10	10:34	1.01	5.000	0.22	43.56	50.00	1.553	1.782	0.87
11	11:17	1.01	5.000	0.23	43.50	50.00	1.033	1.187	0.87
12	11:54	1.01	5.000	0.24	43.58	50.00	2.214	2.540	0.87
3	12:36	1.01	5.000	0.26	44.15	50.00	1.623	1.838	0.88
14	20:17	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:33	1.01	10.000	0.06	42.16	50.00	0.027	0.032	0.84
16	13:56	1.01	5.000	0.14	42.19	50.00	0.463	0.548	0.84
17	14:20	1.01	5.000	0.14	41.86	50.00	0.603	0.721	0.84
8	14:29	1.01	10.000	0.07	43.45	50.00	0.274	0.315	0.87
19	14:51	1.01	5.000	0.15	41.83	50.00	0.527	0.630	0.84
20	16:16	1.01	5.000	0.16	42.69	50.00	0.279	0.327	0.85
21	16:31	1.01	5.000	0.16	41.76	50.00	0.405	0.485	0.84
22	17:05	1.01	5.000	0.17	41.87	50.00	0.440	0.525	0.84
23	17:44	1.01	5.000	0.18	41.75	50.00	0.612	0.733	0.84
24	17:51	1.01	5.000	0.18	41.99	50.00	0.299	0.356	0.84
25	17:38	1.01	5.000	0.17	42.46	50.00	0.662	0.780	0.85
26	17:51	1.01	5.000	0.18	42.75	50.00	0.303	0.354	0.85
27	18:58	1.01	10.000	0.09	42.15	50.00	0.193	0.229	0.84
28	20:29	1.01	5.000	0.20	41.85	50.00	0.486	0.580	0.84
29	25:25	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:00	1.01	10.000	0.08	43.92	50.00	0.483	0.550	0.88
31	22:37	1.01	10.000	0.09	43.80	50.00	0.351	0.401	0.88
32	22:56	1.01	5.000	0.18	42.48	50.00	0.459	0.541	0.85
33	22:52	1.01	5.000	0.18	42.45	50.00	0.547	0.644	0.85
34	24:18	1.01	5.000	0.19	42.61	50.00	0.525	0.616	0.85
35	25:34	1.01	5.000	0.20	42.56	50.00	0.839	0.985	0.85
36	28:04	1.01	5.000	0.22	43.15	50.00	0.421	0.488	0.86
37	33:21	1.01	5.000	0.26	45.17	50.00	1.006	1.113	0.90
38	33:45	1.01	5.000	0.27	45.24	50.00	0.637	0.704	0.90
39	35:08	1.01	5.000	0.28	90.07	100.00	0.611	0.678	0.90
40	12:30	1.01	10.000	0.13	49.87	50.00	1.551	1.555	1.00
41	31:22	1.01	10.000	0.12	50.24	50.00	0.789	0.785	1.00
42	24:06	1.01	10.000	0.25	52.49	50.00	3.774	3.595	1.05

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune [illegible]
Time Tune Expires [illegible]

Shift (A) [illegible] (B) ____ (C) ____
Date [illegible]
Analysis Type [illegible]

Run Log

	Filtered	File Name	Aborted	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #s, Disposition)
1		[illegible]		/ /	[illegible]				[illegible]		[illegible]	[illegible]
2	\	[illegible]		/ /	[illegible]			[illegible]	[illegible]			[illegible]
3	\	[illegible]		/ /	[illegible]			[illegible]	[illegible]			[illegible]
4	\	[illegible]		/ /	12:24			[illegible]	[illegible]			[illegible]
5		[illegible]		/ /	[illegible]	[illegible]		[illegible]	[illegible]			[illegible]
6	X	[illegible]		/ /	[illegible]			[illegible]	[illegible]			[illegible]
7		[illegible]		/ /	14:38	[illegible]		[illegible]	[illegible]			ok
8		GHO85003A18		/ /	1533	E-SED	UPSWEST	1ml	619			
9		GHO85272B18		/ /	1619	BLK #1	Various	1ml	941			
10		GHO85004B18		/ /	1724	H-SED	UPSWEST	1ml	941			
11		GHO85005B18		/ /	1824	C-SED	UPSWEST	1ml	941			
12		GHO85156B18		/ /	19:15	BF146	5898	1ml	941			
13		GHO85160B18		/ /	20:13	BF148	5898	1ml	941			
14		GHO85162B18		/ /	21:02	SS#1	5898	1ml	941			
15		GHO85158B18		/ /	21:51	BF147	5898	1ml	941			
16		GHO85163B18		/ /	2234	SS#2	5898	1ml	941			
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
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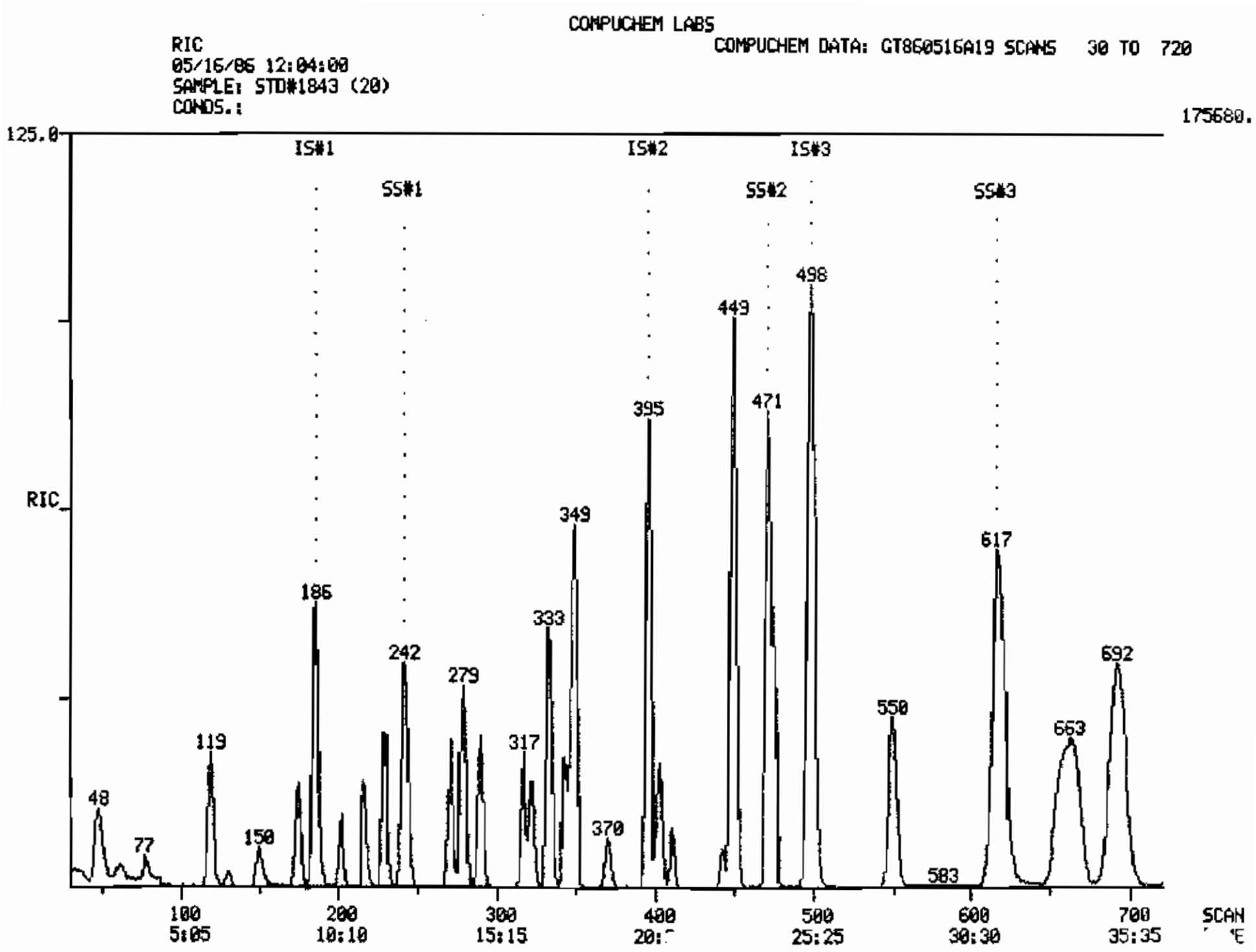
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05/16/86 12:04:00
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CONDS.:
COMPUCHEM DATA: GT860516A19 SCANS 30 TO 720
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125.0
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IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
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700
35:35
SCAN

QUANTITATION REPORT FILE: GT860516A19

DATA: GT860516A19.TI
05/16/86 12:04:00
SAMPLE: STD#1843 (20)
CONDS.:
 UBMITTED BY: 19 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLORDETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	*258 D4-1,2-DICHLOROETHANE E8#2
41	*247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	*233 D8-TOLUENE E8#4

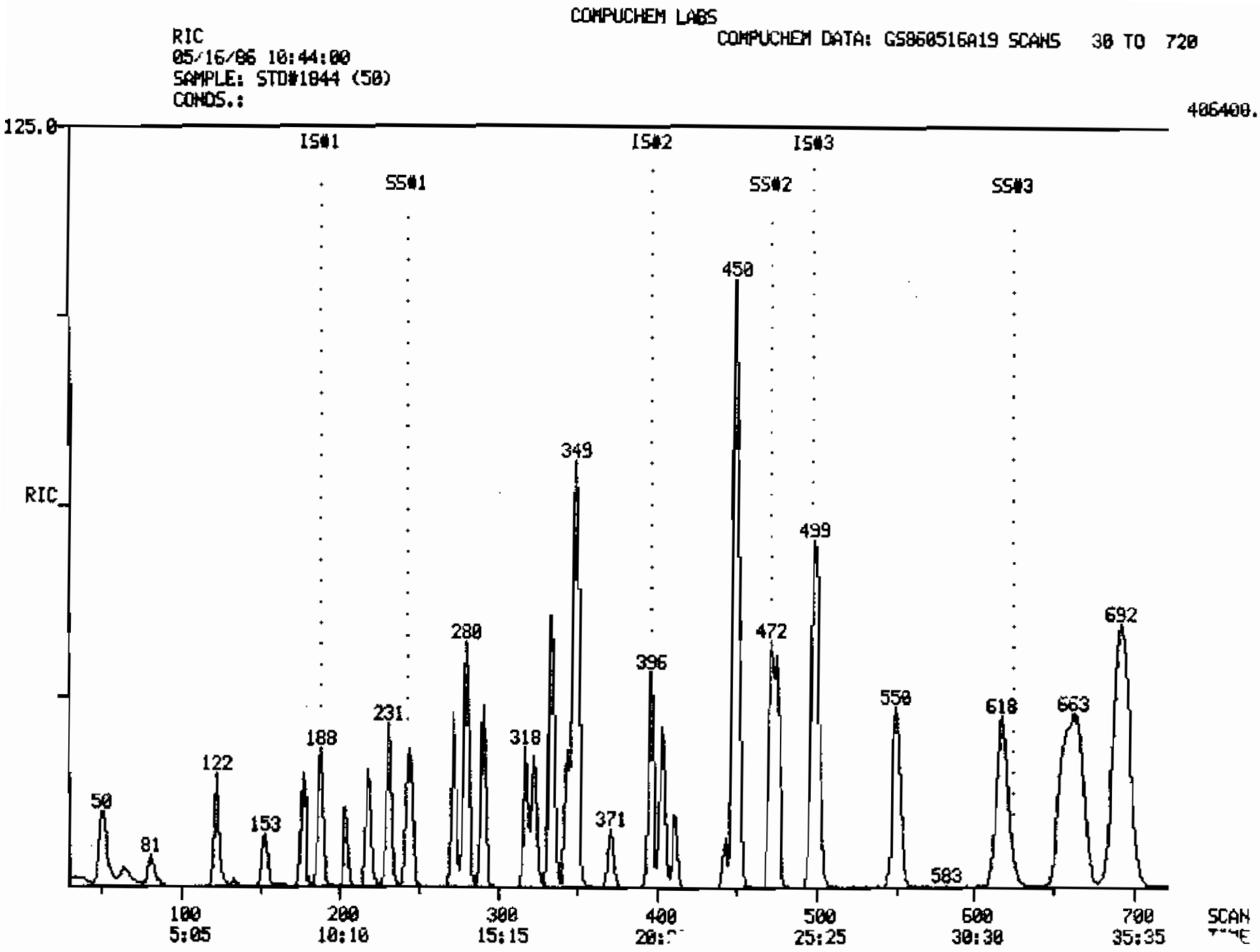
5/19/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	185	9:24	1	1.000	A BV	43566.	50.000 UG/KG	4.54
2	50	32	1:38	1	0.173	A BB	11200.	35.106 UG/KG	3.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	47	2:23	1	0.254	A BB	28814.	20.834	UG/KG	1.89
4	62	61	3:06	1	0.330	A BB	14128.	21.903	UG/KG	1.99
5	64	77	3:55	1	0.416	A BB	9126.	20.050	UG/KG	1.82
6	84	119	6:03	1	0.643	A BV	28786.	26.470	UG/KG	2.40
7	43	130	6:36	1	0.703	A BB	9040.	49.877	UG/KG	4.53
8	76	150	7:37	1	0.811	A BV	30283.	17.950	UG/KG	1.63
9	96	175	8:54	1	0.946	A BB	19623.	21.541	UG/KG	1.96
10	63	202	10:16	1	1.092	A BB	23701.	21.801	UG/KG	1.98
11	96	216	10:59	1	1.168	A BV	21751.	21.738	UG/KG	1.97
12	83	229	11:38	1	1.238	A BB	48319.	23.134	UG/KG	2.10
13	62	244	12:24	1	1.319	A BB	24915.	21.598	UG/KG	1.96
14	114	395	20:05	14	1.000	A BV	193132.	50.000	UG/KG	4.54
15	72	241	12:15	14	0.610	A BB	1848.	20.724	UG/KG	1.88
16	97	271	13:47	14	0.686	A BB	41544.	19.800	UG/KG	1.80
17	117	279	14:11	14	0.706	A VB	49990.	18.693	UG/KG	1.70
18	43	281	14:17	14	0.711	A BB	13938.	17.543	UG/KG	1.59
19	83	290	14:44	14	0.734	A BB	38790.	18.930	UG/KG	1.72
20	63	317	16:07	14	0.803	A BB	17529.	21.361	UG/KG	1.94
21	75	323	16:25	14	0.818	A BV	25686.	19.524	UG/KG	1.77
22	130	333	16:56	14	0.843	A BB	41576.	21.750	UG/KG	1.98
23	129	348	17:41	14	0.881	A BB	43001.	18.232	UG/KG	1.66
24	97	349	17:44	14	0.884	A BV	27420.	21.391	UG/KG	1.94
25	78	343	17:26	14	0.868	A BB	50674.	22.527	UG/KG	2.05
26	75	349	17:44	14	0.884	A VB	16005.	18.697	UG/KG	1.70
27	63	370	18:48	14	0.937	A BB	9451.	19.732	UG/KG	1.79
28	173	403	20:29	14	1.020	A BB	31157.	17.929	UG/KG	1.63
29	117	497	25:16	29	1.000	A BV	183847.	50.000	UG/KG	4.54
30	43	411	20:54	29	0.827	A BB	18981.	19.507	UG/KG	1.77
31	43	442	22:28	29	0.889	A BB	14049.	19.318	UG/KG	1.75
32	164	449	22:49	29	0.903	A BB	43965.	22.653	UG/KG	2.06
33	83	450	22:52	29	0.905	A BB	41661.	20.679	UG/KG	1.88
34	92	475	24:09	29	0.956	A BB	47993.	22.012	UG/KG	2.00
35	112	500	25:25	29	1.006	A BB	78037.	21.817	UG/KG	1.98
36	106	549	27:54	29	1.105	A BB	38577.	21.903	UG/KG	1.99
37	104	657	33:24	29	1.322	A BB	75909.	20.630	UG/KG	1.87
38	106	665	33:48	29	1.338	A BB	52804.	20.389	UG/KG	1.85
39	106	692	35:11	29	1.392	A BB	103954.	42.943	UG/KG	3.90
40	65	242	12:18	1	1.309	A BV	54629.	46.789	UG/KG	4.25
41	95	618	31:25	29	1.243	A BB	148266.	48.529	UG/KG	4.41
42	98	471	23:57	1	2.546	A BV	157930.	44.870	UG/KG	4.08

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:33	0.98	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44	0.94	10.000	0.02	35.11	20.00	0.643	0.366	1.76
3	2:36	0.92	10.000	0.03	20.83	20.00	1.653	1.587	1.04
4	3:12	0.97	10.000	0.03	21.90	20.00	0.811	0.740	1.10
5	4:07	0.95	10.000	0.04	20.05	20.00	0.524	0.522	1.00
6	6:12	0.98	5.000	0.13	26.47	20.00	1.652	1.248	1.32
7	6:46	0.98	10.000	0.07	49.88	20.00	0.519	0.208	2.49
8	7:47	0.98	5.000	0.16	17.95	20.00	1.738	1.936	0.90
9	9:00	0.99	5.000	0.19	21.54	20.00	1.126	1.045	1.08
10	10:22	0.99	5.000	0.22	21.80	20.00	1.360	1.248	1.09
11	11:05	0.99	5.000	0.23	21.74	20.00	1.248	1.148	1.09
12	11:45	0.99	5.000	0.25	23.13	20.00	2.773	2.397	1.16
13	12:27	1.00	5.000	0.26	21.60	20.00	1.430	1.324	1.08
14	20:08	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:21	0.99	10.000	0.06	20.72	20.00	0.024	0.023	1.04
16	13:50	1.00	5.000	0.14	19.80	20.00	0.538	0.543	0.99
17	14:14	1.00	5.000	0.14	18.69	20.00	0.647	0.692	0.93
18	14:20	1.00	10.000	0.07	17.54	20.00	0.180	0.206	0.88
19	14:48	1.00	5.000	0.15	18.93	20.00	0.502	0.530	0.95
20	16:10	1.00	5.000	0.16	21.36	20.00	0.227	0.212	1.07
21	16:25	1.00	5.000	0.16	19.52	20.00	0.332	0.341	0.98
22	16:59	1.00	5.000	0.17	21.75	20.00	0.538	0.495	1.09
23	17:41	1.00	5.000	0.18	18.23	20.00	0.557	0.611	0.91
24	17:47	1.00	5.000	0.18	21.39	20.00	0.355	0.332	1.07
25	17:29	1.00	5.000	0.17	22.53	20.00	0.656	0.582	1.13
26	17:44	1.00	5.000	0.18	18.70	20.00	0.207	0.222	0.93
27	18:52	1.00	10.000	0.09	19.73	20.00	0.122	0.124	0.99
28	20:29	1.00	5.000	0.20	17.93	20.00	0.403	0.450	0.90
29	25:19	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	20:54	1.00	10.000	0.08	19.51	20.00	0.258	0.265	0.98
31	22:31	1.00	10.000	0.09	19.32	20.00	0.191	0.198	0.97
32	22:49	1.00	5.000	0.18	22.65	20.00	0.598	0.528	1.13
33	22:52	1.00	5.000	0.18	20.68	20.00	0.567	0.548	1.03
34	24:09	1.00	5.000	0.19	22.01	20.00	0.653	0.593	1.10
35	25:28	1.00	5.000	0.20	21.82	20.00	1.061	0.973	1.09
36	27:57	1.00	5.000	0.22	21.90	20.00	0.525	0.479	1.10
37	33:24	1.00	5.000	0.26	20.63	20.00	1.032	1.001	1.03
38	33:48	1.00	5.000	0.27	20.39	20.00	0.718	0.704	1.02
39	35:11	1.00	5.000	0.28	42.94	40.00	0.707	0.658	1.07
40	12:21	1.00	10.000	0.13	46.79	50.00	1.254	1.340	0.94
41	31:25	1.00	10.000	0.12	48.53	50.00	0.806	0.831	0.97
42	23:57	1.00	10.000	0.25	44.87	50.00	3.625	4.039	0.90


COMPUCHEM LABS
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05/16/86 10:44:00
SAMPLE: STD#1844 (50)
CONDS.:
COMPUCHEM DATA: GS860516A19 SCANS 30 TO 720
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125.0
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IS#2
IS#3
SS#1
SS#2
SS#3
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122
153
188
231
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318
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618
663
692
100
5:05
200
10:10
300
15:15
400
20:
500
25:25
600
30:30
700
35:35
SCAN

QUANTITATION REPORT FILE: GBB60516A19

DATA: GBB60516A19.TI
05/16/86 10:44:00
SAMPLE: STD#1044 (50)
CONDB.:
 UBMITTED BY: 19 ANALYST: B19

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLORDETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE EB#2
41	#247 BROMOFLUOROBENZENE <460-00-4> EB#3
42	#233 D8-TOLUENE E8#4

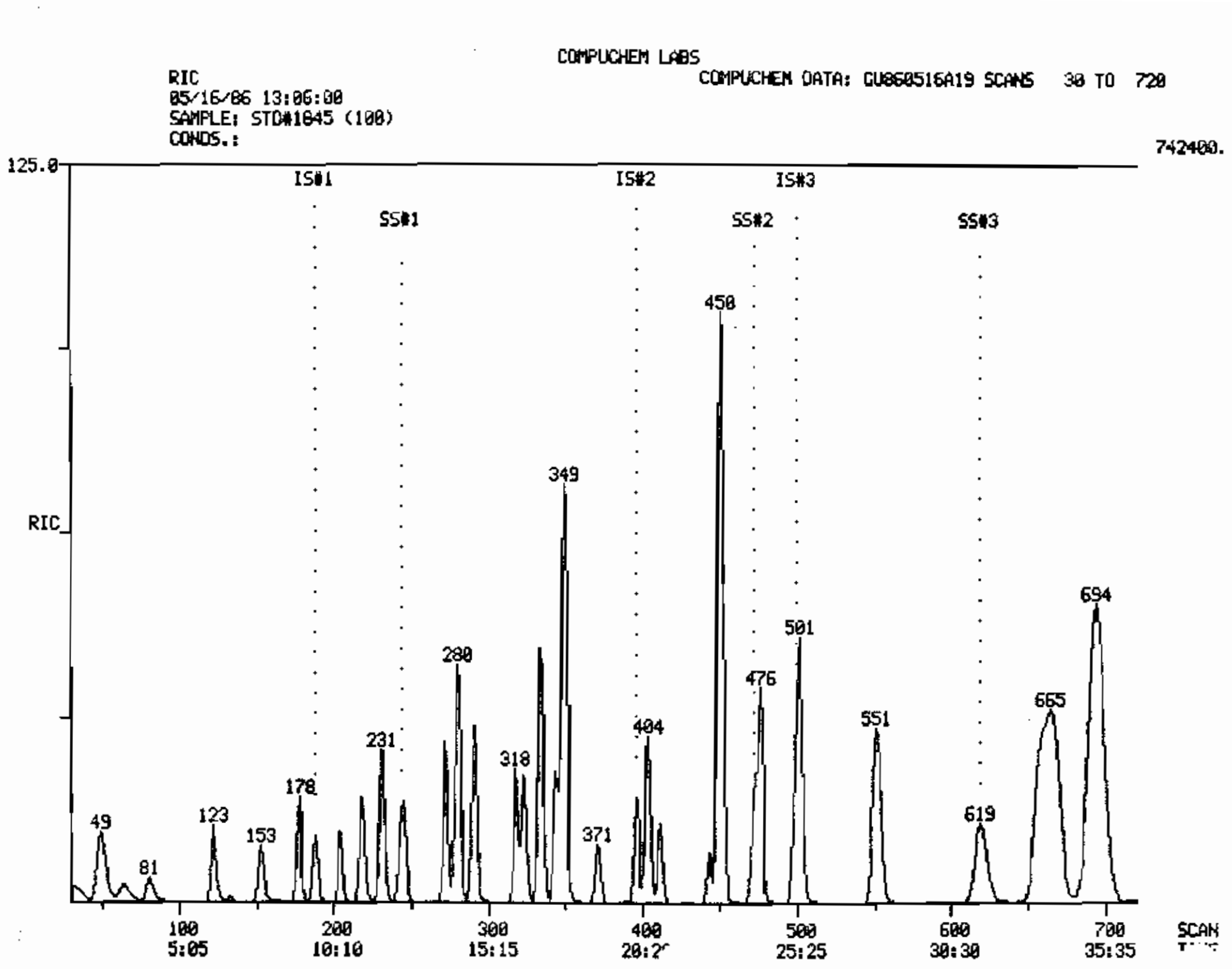
5/19/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	185	9:33	1	1.000	A BV	45252.	50.000	UG/KG	2.33
2	50	34	1:44	1	0.181	A BB	16569.	50.000	UG/KG	2.33

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	51	2:36	1	0.271	A BB	71829.	50.000	UG/KG	2.33
4	62	63	3:12	1	0.335	A BB	33499.	50.000	UG/KG	2.33
5	64	81	4:07	1	0.431	A BB	23639.	50.000	UG/KG	2.33
6	84	122	6:12	1	0.649	A BB	56480.	50.000	UG/KG	2.33
7	43	133	6:46	1	0.707	A BB	9413.	50.000	UG/KG	2.33
8	76	153	7:47	1	0.814	A BB	87618.	50.000	UG/KG	2.33
9	96	177	9:00	1	0.941	A BV	47311.	50.000	UG/KG	2.33
10	63	204	10:22	1	1.085	A BB	56462.	50.000	UG/KG	2.33
11	96	218	11:05	1	1.160	A BV	51966.	50.000	UG/KG	2.33
12	83	231	11:45	1	1.229	A BV	108476.	50.000	UG/KG	2.33
13	62	245	12:27	1	1.303	A BB	59910.	50.000	UG/KG	2.33
14	114	396	20:08	14	1.000	A BV	195966.	50.000	UG/KG	2.33
15	72	243	12:21	14	0.614	A BB	4524.	50.000	UG/KG	2.33
16	97	272	13:50	14	0.687	A BB	106446.	50.000	UG/KG	2.33
17	117	280	14:14	14	0.707	A VV	135678.	50.000	UG/KG	2.33
18	43	282	14:20	14	0.712	A BB	40309.	50.000	UG/KG	2.33
19	83	291	14:48	14	0.735	A BV	103958.	50.000	UG/KG	2.33
20	63	318	16:10	14	0.803	A BV	41633.	50.000	UG/KG	2.33
21	75	323	16:25	14	0.816	A BV	66745.	50.000	UG/KG	2.33
22	130	334	16:59	14	0.843	A BB	96981.	50.000	UG/KG	2.33
23	129	348	17:41	14	0.879	A BV	119657.	50.000	UG/KG	2.33
24	97	350	17:47	14	0.884	A BB	65034.	50.000	UG/KG	2.33
25	78	344	17:29	14	0.869	A BV	114126.	50.000	UG/KG	2.33
26	75	349	17:44	14	0.881	A VB	43429.	50.000	UG/KG	2.33
27	63	371	18:52	14	0.937	A BB	24300.	50.000	UG/KG	2.33
28	173	403	20:29	14	1.018	A BB	88166.	50.000	UG/KG	2.33
29	117	498	25:19	29	1.000	A BV	190022.	50.000	UG/KG	2.33
30	43	411	20:54	29	0.825	A BB	50286.	50.000	UG/KG	2.33
31	43	443	22:31	29	0.890	A BV	37584.	50.000	UG/KG	2.33
32	164	449	22:49	29	0.902	A BB	100301.	50.000	UG/KG	2.33
33	83	450	22:52	29	0.904	A BB	104116.	50.000	UG/KG	2.33
34	92	475	24:09	29	0.954	A BB	112675.	50.000	UG/KG	2.33
35	112	501	25:28	29	1.006	A BV	184852.	50.000	UG/KG	2.33
36	106	550	27:57	29	1.104	A BB	91022.	50.000	UG/KG	2.33
37	104	657	33:24	29	1.319	A BB	190156.	50.000	UG/KG	2.33
38	106	665	33:48	29	1.335	A BB	133839.	50.000	UG/KG	2.33
39	106	692	35:11	29	1.390	A BB	250202.	100.000	UG/KG	4.65
40	65	243	12:21	1	1.293	A BV	60637.	50.000	UG/KG	2.33
41	95	618	31:25	29	1.241	A BB	157891.	50.000	UG/KG	2.33
42	98	471	23:57	1	2.505	A BV	182795.	50.000	UG/KG	2.33

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:33	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44	1.00	10.000	0.02	50.00	50.00	0.366	0.366	1.00
3	2:36	1.00	10.000	0.03	50.00	50.00	1.587	1.587	1.00
4	3:12	1.00	10.000	0.03	50.00	50.00	0.740	0.740	1.00
5	4:07	1.00	10.000	0.04	50.00	50.00	0.522	0.522	1.00
6	6:12	1.00	5.000	0.13	50.00	50.00	1.248	1.248	1.00
7	6:46	1.00	10.000	0.07	50.00	50.00	0.208	0.208	1.00
8	7:47	1.00	5.000	0.16	50.00	50.00	1.936	1.936	1.00
9	9:00	1.00	5.000	0.19	50.00	50.00	1.045	1.045	1.00
10	10:22	1.00	5.000	0.22	50.00	50.00	1.248	1.248	1.00
11	11:05	1.00	5.000	0.23	50.00	50.00	1.148	1.148	1.00
12	11:45	1.00	5.000	0.25	50.00	50.00	2.397	2.397	1.00
13	12:27	1.00	5.000	0.26	50.00	50.00	1.324	1.324	1.00
14	20:08	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:21	1.00	10.000	0.06	50.00	50.00	0.023	0.023	1.00
16	13:50	1.00	5.000	0.14	50.00	50.00	0.543	0.543	1.00
17	14:14	1.00	5.000	0.14	50.00	50.00	0.692	0.692	1.00
18	14:20	1.00	10.000	0.07	50.00	50.00	0.206	0.206	1.00
19	14:48	1.00	5.000	0.15	50.00	50.00	0.530	0.530	1.00
20	16:10	1.00	5.000	0.16	50.00	50.00	0.212	0.212	1.00
21	16:25	1.00	5.000	0.16	50.00	50.00	0.341	0.341	1.00
22	16:59	1.00	5.000	0.17	50.00	50.00	0.495	0.495	1.00
23	17:41	1.00	5.000	0.18	50.00	50.00	0.611	0.611	1.00
24	17:47	1.00	5.000	0.18	50.00	50.00	0.332	0.332	1.00
25	17:29	1.00	5.000	0.17	50.00	50.00	0.582	0.582	1.00
26	17:44	1.00	5.000	0.18	50.00	50.00	0.222	0.222	1.00
27	18:52	1.00	10.000	0.09	50.00	50.00	0.124	0.124	1.00
28	20:29	1.00	5.000	0.20	50.00	50.00	0.450	0.450	1.00
29	25:19	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	20:54	1.00	10.000	0.08	50.00	50.00	0.265	0.265	1.00
31	22:31	1.00	10.000	0.09	50.00	50.00	0.198	0.198	1.00
32	22:49	1.00	5.000	0.18	50.00	50.00	0.528	0.528	1.00
33	22:52	1.00	5.000	0.18	50.00	50.00	0.548	0.548	1.00
34	24:09	1.00	5.000	0.19	50.00	50.00	0.593	0.593	1.00
35	25:28	1.00	5.000	0.20	50.00	50.00	0.973	0.973	1.00
36	27:57	1.00	5.000	0.22	50.00	50.00	0.479	0.479	1.00
37	33:24	1.00	5.000	0.26	50.00	50.00	1.001	1.001	1.00
38	33:48	1.00	5.000	0.27	50.00	50.00	0.704	0.704	1.00
39	35:11	1.00	5.000	0.28	100.00	100.00	0.658	0.658	1.00
40	12:21	1.00	10.000	0.13	50.00	50.00	1.340	1.340	1.00
41	31:25	1.00	10.000	0.12	50.00	50.00	0.831	0.831	1.00
42	23:57	1.00	10.000	0.25	50.00	50.00	4.039	4.039	1.00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05/16/86 13:06:00
SAMPLE: STD#1045 (100)
CONDS.:
COMPUCHEM DATA: GU860516A19 SCANS 30 TO 720
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SCAN

QUANTITATION REPORT FILE: QU860516A19

DATA: QU860516A19.TI
05/16/86 13:06:00
SAMPLE: STD#1845 (100)
CONDS. :
UBMITTED BY: 19 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIOE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLORDETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

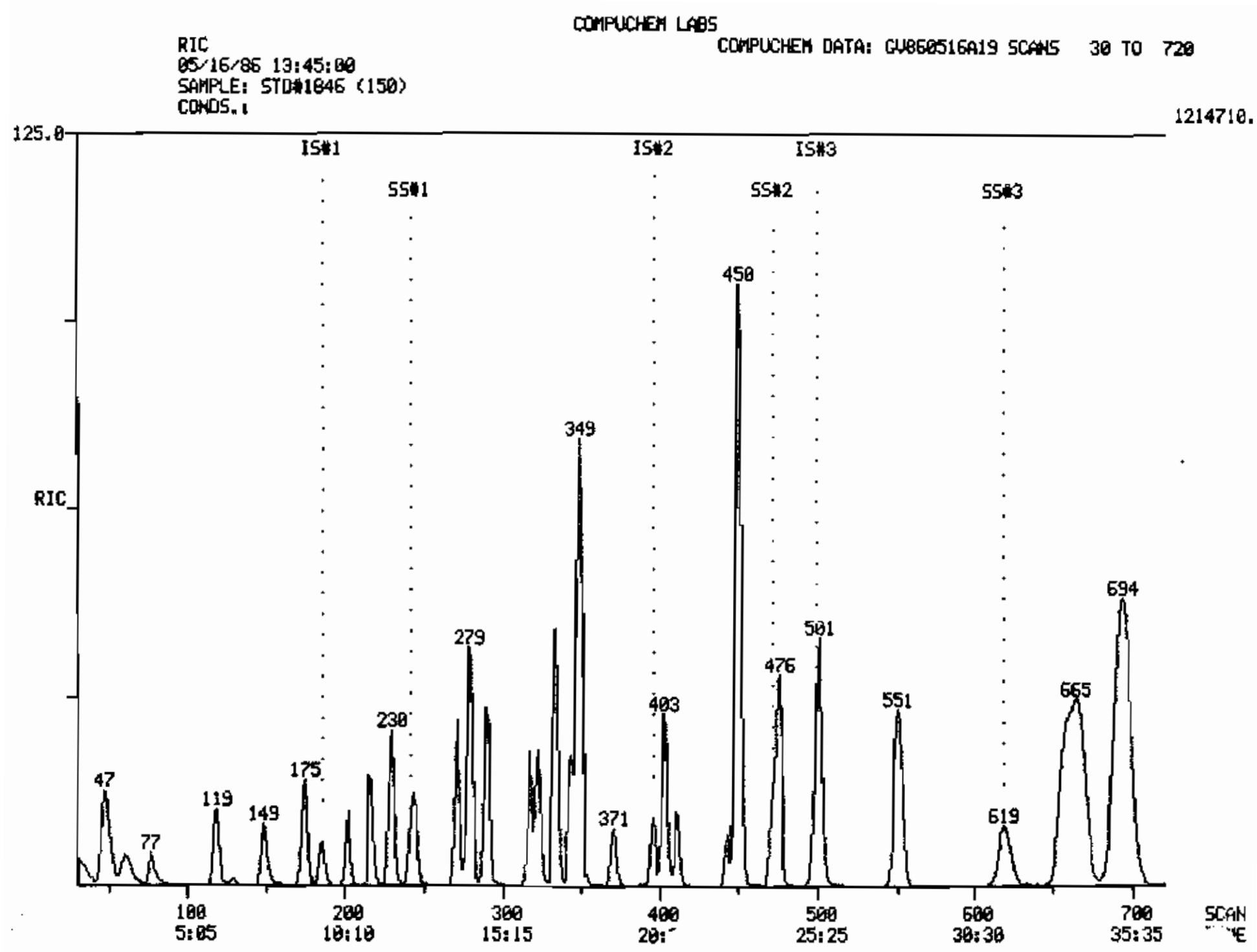
5/19/86

ND	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	188	9:33	1	1.000	A BV	42696.	50.000 UG/KG	1.24
2	50	33	1:41	1	0.176	A BB	61385.	196.330 UG/KG	4.85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	49	2:29	1	0.261	A BB	142375.	105.040	UG/KG	2.60
4	62	64	3:15	1	0.340	A BB	69510.	109.960	UG/KG	2.72
5	64	81	4:07	1	0.431	A BB	44500.	99.759	UG/KG	2.47
6	84	122	6:12	1	0.649	A BV	75339.	70.688	UG/KG	1.75
7	43	133	6:46	1	0.707	A BB	16532.	93.072	UG/KG	2.30
8	76	153	7:47	1	0.814	A BV	173229.	104.773	UG/KG	2.59
9	96	178	9:03	1	0.947	A BV	81217.	90.972	UG/KG	2.25
10	63	204	10:22	1	1.085	A BB	99402.	93.295	UG/KG	2.31
11	96	218	11:05	1	1.160	A BV	91515.	93.324	UG/KG	2.31
12	83	231	11:45	1	1.229	A BV	190487.	93.058	UG/KG	2.30
13	62	245	12:27	1	1.303	A BV	107354.	94.960	UG/KG	2.35
14	114	396	20:08	14	1.000	A BV	188733.	50.000	UG/KG	1.24
15	72	243	12:21	14	0.614	A BB	8140.	93.412	UG/KG	2.31
16	97	272	13:50	14	0.687	A BB	194553.	94.888	UG/KG	2.34
17	117	280	14:14	14	0.707	A VV	254927.	97.546	UG/KG	2.41
18	43	282	14:20	14	0.712	A BV	81436.	104.886	UG/KG	2.59
19	83	291	14:48	14	0.735	A BV	192470.	96.119	UG/KG	2.38
20	63	318	16:10	14	0.803	A BB	75880.	94.622	UG/KG	2.34
21	75	323	16:25	14	0.816	A BB	125665.	97.746	UG/KG	2.42
22	130	334	16:59	14	0.843	A BV	176064.	94.251	UG/KG	2.33
23	129	348	17:41	14	0.879	A BV	226757.	98.384	UG/KG	2.43
24	97	350	17:47	14	0.884	A BB	117554.	93.843	UG/KG	2.32
25	78	344	17:29	14	0.869	A BB	206985.	94.158	UG/KG	2.33
26	75	350	17:47	14	0.884	A VB	82893.	99.093	UG/KG	2.45
27	63	371	18:52	14	0.937	A BV	44957.	96.049	UG/KG	2.37
28	173	404	20:32	14	1.020	A BV	171660.	101.081	UG/KG	2.50
29	117	499	25:22	29	1.000	A BV	182330.	50.000	UG/KG	1.24
30	43	412	20:57	29	0.826	A BB	99269.	102.868	UG/KG	2.54
31	43	443	22:31	29	0.888	A BB	71707.	99.420	UG/KG	2.46
32	164	450	22:52	29	0.902	A BV	185601.	96.425	UG/KG	2.38
33	83	451	22:56	29	0.904	A BB	192130.	96.159	UG/KG	2.38
34	92	476	24:12	29	0.954	A BB	200329.	92.647	UG/KG	2.29
35	112	502	25:31	29	1.006	A BV	336957.	94.987	UG/KG	2.35
36	106	551	28:01	29	1.104	A BB	164465.	94.155	UG/KG	2.33
37	104	658	33:27	29	1.319	A BB	435873.	119.444	UG/KG	2.95
38	106	667	33:54	29	1.337	A BB	292507.	113.885	UG/KG	2.81
39	106	694	35:17	29	1.391	A BB	587183.	244.583	UG/KG	6.04
40	65	244	12:24	1	1.298	A BV	55210.	48.250	UG/KG	1.19
41	95	619	31:28	29	1.240	A BB	144086.	47.553	UG/KG	1.18
42	98	472	24:00	1	2.511	A BV	154774.	44.870	UG/KG	1.11

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:33	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44	0.97	10.000	0.02	196.33	100.00	0.719	0.366	1.96
3	2:36	0.96	10.000	0.03	105.04	100.00	1.667	1.587	1.05
4	3:12	1.02	10.000	0.03	109.96	100.00	0.814	0.740	1.10
5	4:07	1.00	10.000	0.04	99.76	100.00	0.521	0.522	1.00
6	6:12	1.00	5.000	0.13	70.69	100.00	0.882	1.248	0.71
7	6:46	1.00	10.000	0.07	93.07	100.00	0.194	0.208	0.93
8	7:47	1.00	5.000	0.16	104.77	100.00	2.029	1.936	1.05
9	9:00	1.01	5.000	0.19	90.97	100.00	0.951	1.045	0.91
10	10:22	1.00	5.000	0.22	93.30	100.00	1.164	1.248	0.93
11	11:05	1.00	5.000	0.23	93.32	100.00	1.072	1.148	0.93
12	11:45	1.00	5.000	0.25	93.06	100.00	2.231	2.397	0.93
13	12:27	1.00	5.000	0.26	94.96	100.00	1.257	1.324	0.95
14	20:08	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:21	1.00	10.000	0.06	93.41	100.00	0.022	0.023	0.93
16	13:50	1.00	5.000	0.14	94.89	100.00	0.515	0.543	0.95
17	14:14	1.00	5.000	0.14	97.55	100.00	0.675	0.692	0.98
18	14:20	1.00	10.000	0.07	104.89	100.00	0.216	0.206	1.05
19	14:48	1.00	5.000	0.15	96.12	100.00	0.510	0.530	0.96
20	16:10	1.00	5.000	0.16	94.62	100.00	0.201	0.212	0.95
21	16:25	1.00	5.000	0.16	97.75	100.00	0.333	0.341	0.98
22	16:59	1.00	5.000	0.17	94.25	100.00	0.466	0.495	0.94
23	17:41	1.00	5.000	0.18	98.38	100.00	0.601	0.611	0.98
24	17:47	1.00	5.000	0.18	93.84	100.00	0.311	0.332	0.94
25	17:29	1.00	5.000	0.17	94.16	100.00	0.548	0.582	0.94
26	17:44	1.00	5.000	0.18	99.09	100.00	0.220	0.222	0.99
27	18:52	1.00	10.000	0.09	96.05	100.00	0.119	0.124	0.96
28	20:29	1.00	5.000	0.20	101.08	100.00	0.455	0.450	1.01
29	25:19	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	20:54	1.00	10.000	0.08	102.87	100.00	0.272	0.265	1.03
31	22:31	1.00	10.000	0.09	99.42	100.00	0.197	0.198	0.99
32	22:49	1.00	5.000	0.18	96.43	100.00	0.509	0.528	0.96
33	22:52	1.00	5.000	0.18	96.16	100.00	0.527	0.548	0.96
34	24:09	1.00	5.000	0.19	92.65	100.00	0.549	0.593	0.93
35	25:28	1.00	5.000	0.20	94.99	100.00	0.924	0.973	0.95
36	27:57	1.00	5.000	0.22	94.15	100.00	0.451	0.479	0.94
37	33:24	1.00	5.000	0.26	119.44	100.00	1.195	1.001	1.19
38	33:48	1.00	5.000	0.27	113.89	100.00	0.802	0.704	1.14
39	35:11	1.00	5.000	0.28	244.58	200.00	0.805	0.658	1.22
40	12:21	1.00	10.000	0.13	48.25	50.00	1.293	1.340	0.97
41	31:25	1.00	10.000	0.12	47.55	50.00	0.790	0.831	0.95
42	23:57	1.00	10.000	0.25	44.87	50.00	3.625	4.039	0.90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IS#3
SS#1
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SCAN

QUANTITATION REPORT FILE: GV860516A19

DATA: GV860516A19.TI
05/16/86 13:45:00
SAMPLE: STD#1846 (150)
CONDS. :
 SUBMITTED BY: 19 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

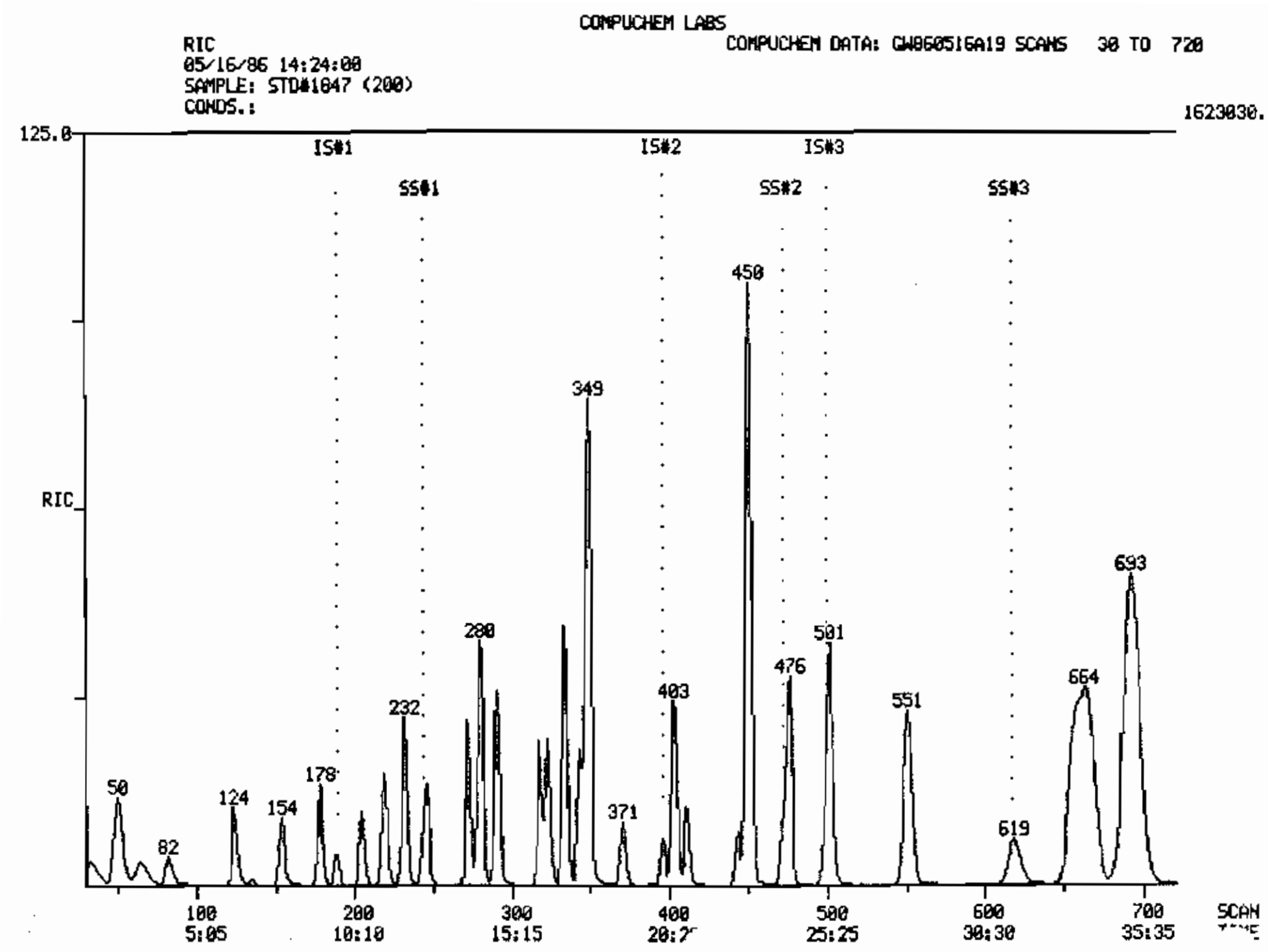
5/19/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	185	9:24	1	1.000	A BV	46383.	50.000	UG/KG	0.77
2	50	32	1:38	1	0.173	A BB	129982.	382.679	UG/KG	5.89

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	48	2:26	1	0.259	A BV	276804.	187.984	UG/KG	2.90
4	62	60	3:03	1	0.324	A BB	163893.	238.659	UG/KG	3.68
5	64	77	3:55	1	0.416	A BB	86207.	177.894	UG/KG	2.74
6	84	118	6:00	1	0.638	A BV	122124.	105.476	UG/KG	1.62
7	43	130	6:36	1	0.703	A BB	21629.	112.087	UG/KG	1.73
8	76	149	7:34	1	0.805	A BB	302651.	168.499	UG/KG	2.60
9	96	175	8:54	1	0.946	A BV	140141.	144.495	UG/KG	2.23
10	63	202	10:16	1	1.092	A BB	173210.	149.646	UG/KG	2.31
11	96	216	10:59	1	1.168	A BV	153301.	143.904	UG/KG	2.22
12	83	230	11:41	1	1.243	A BV	328989.	147.944	UG/KG	2.28
13	62	244	12:24	1	1.319	A BV	187052.	152.304	UG/KG	2.35
14	114	396	20:08	14	1.000	A BV	184650.	50.000	UG/KG	0.77
15	72	241	12:15	14	0.609	A BB	12893.	151.228	UG/KG	2.33
16	97	271	13:47	14	0.684	A BV	332599.	165.803	UG/KG	2.55
17	117	279	14:11	14	0.705	A VV	417116.	163.135	UG/KG	2.51
18	43	281	14:17	14	0.710	A BV	129929.	171.043	UG/KG	2.63
19	83	290	14:44	14	0.732	A BV	327584.	167.211	UG/KG	2.58
20	63	318	16:10	14	0.803	A BB	128798.	164.162	UG/KG	2.53
21	75	323	16:25	14	0.816	A VB	215053.	170.973	UG/KG	2.63
22	130	334	16:59	14	0.843	A BV	277044.	151.587	UG/KG	2.34
23	129	348	17:41	14	0.879	A BV	379846.	168.450	UG/KG	2.59
24	97	349	17:44	14	0.881	A BV	195633.	159.626	UG/KG	2.46
25	78	343	17:26	14	0.866	A BB	351471.	163.420	UG/KG	2.52
26	75	349	17:44	14	0.881	A VB	150027.	183.312	UG/KG	2.82
27	63	371	18:52	14	0.937	A BB	77847.	169.995	UG/KG	2.62
28	173	403	20:29	14	1.018	A BV	287851.	173.248	UG/KG	2.67
29	117	498	25:19	29	1.000	A BV	189736.	50.000	UG/KG	0.77
30	43	411	20:54	29	0.825	A BB	150432.	149.802	UG/KG	2.31
31	43	443	22:31	29	0.890	A BV	109747.	146.222	UG/KG	2.25
32	164	450	22:52	29	0.904	A BV	281269.	140.424	UG/KG	2.16
33	83	450	22:52	29	0.904	A VV	321661.	154.705	UG/KG	2.38
34	92	476	24:12	29	0.956	A BV	328274.	145.892	UG/KG	2.25
35	112	501	25:28	29	1.006	A BV	538666.	145.922	UG/KG	2.25
36	106	551	28:01	29	1.106	A BV	266994.	146.885	UG/KG	2.26
37	104	658	33:27	29	1.321	A BB	679739.	179.002	UG/KG	2.76
38	106	666	33:51	29	1.337	A BB	454741.	170.139	UG/KG	2.62
39	106	694	35:17	29	1.394	A BB	903241.	361.547	UG/KG	5.57
40	65	242	12:18	1	1.308	A BV	70372.	56.612	UG/KG	0.87
41	95	619	31:28	29	1.243	A BB	181208.	57.470	UG/KG	0.89
42	98	472	24:00	1	2.551	A BV	196623.	52.471	UG/KG	0.81

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:33	0.98	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44	0.94	10.000	0.02	382.68	150.00	0.934	0.366	2.55
3	2:36	0.94	10.000	0.03	187.98	150.00	1.989	1.587	1.25
4	3:12	0.95	10.000	0.03	238.66	150.00	1.178	0.740	1.59
5	4:07	0.95	10.000	0.04	177.89	150.00	0.620	0.522	1.19
6	6:12	0.97	5.000	0.13	105.48	150.00	0.878	1.248	0.70
7	6:46	0.98	10.000	0.07	112.09	150.00	0.155	0.208	0.75
8	7:47	0.97	5.000	0.16	168.50	150.00	2.175	1.936	1.12
9	9:00	0.99	5.000	0.19	144.49	150.00	1.007	1.045	0.96
10	10:22	0.99	5.000	0.22	149.65	150.00	1.245	1.248	1.00
11	11:05	0.99	5.000	0.23	143.90	150.00	1.102	1.148	0.96
12	11:45	1.00	5.000	0.25	147.94	150.00	2.364	2.397	0.99
13	12:27	1.00	5.000	0.26	152.30	150.00	1.344	1.324	1.02
14	20:08	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:21	0.99	10.000	0.06	151.23	150.00	0.023	0.023	1.01
16	13:50	1.00	5.000	0.14	165.80	150.00	0.600	0.543	1.11
17	14:14	1.00	5.000	0.14	163.14	150.00	0.753	0.692	1.09
18	14:20	1.00	10.000	0.07	171.04	150.00	0.235	0.206	1.14
19	14:48	1.00	5.000	0.15	167.21	150.00	0.591	0.530	1.11
20	16:10	1.00	5.000	0.16	164.16	150.00	0.233	0.212	1.09
21	16:25	1.00	5.000	0.16	170.97	150.00	0.388	0.341	1.14
22	16:59	1.00	5.000	0.17	151.59	150.00	0.500	0.495	1.01
23	17:41	1.00	5.000	0.18	168.45	150.00	0.686	0.611	1.12
24	17:47	1.00	5.000	0.18	159.63	150.00	0.353	0.332	1.06
25	17:29	1.00	5.000	0.17	163.42	150.00	0.634	0.582	1.09
26	17:44	1.00	5.000	0.18	183.31	150.00	0.271	0.222	1.22
27	18:52	1.00	10.000	0.09	170.00	150.00	0.141	0.124	1.13
28	20:29	1.00	5.000	0.20	173.25	150.00	0.520	0.450	1.15
29	25:19	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	20:54	1.00	10.000	0.08	149.80	150.00	0.264	0.265	1.00
31	22:31	1.00	10.000	0.09	146.22	150.00	0.193	0.198	0.97
32	22:49	1.00	5.000	0.18	140.42	150.00	0.494	0.528	0.94
33	22:52	1.00	5.000	0.18	154.71	150.00	0.565	0.548	1.03
34	24:09	1.00	5.000	0.19	145.89	150.00	0.577	0.593	0.97
35	25:28	1.00	5.000	0.20	145.92	150.00	0.946	0.973	0.97
36	27:57	1.00	5.000	0.22	146.89	150.00	0.469	0.479	0.98
37	33:24	1.00	5.000	0.26	179.00	150.00	1.194	1.001	1.19
38	33:48	1.00	5.000	0.27	170.14	150.00	0.799	0.704	1.13
39	35:11	1.00	5.000	0.28	361.55	300.00	0.793	0.658	1.21
40	12:21	1.00	10.000	0.13	56.61	50.00	1.517	1.340	1.13
41	31:25	1.00	10.000	0.12	57.47	50.00	0.955	0.831	1.15
42	23:57	1.00	10.000	0.26	52.47	50.00	4.239	4.039	1.05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QUANTITATION REPORT FILE: GW860516A19

DATA: GW860516A19.TI
05/16/86 14:24:00
SAMPLE: STD#1847 (200)
CONDS.:
SUBMITTED BY: 19 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

5/19/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	188	9:33	1	1.000	A BV	44757.	50.000	UG/KG	0.53
2	50	33	1:41	1	0.176	A BB	188313.	574.553	UG/KG	6.07

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	50	2:32	1	0.266	A BB	370966.	261.085	UG/KG	2.76
4	62	64	3:15	1	0.340	A BB	214387.	323.528	UG/KG	3.42
5	64	82	4:10	1	0.436	A BB	108312.	231.629	UG/KG	2.45
6	84	124	6:18	1	0.660	A BV	172790.	154.657	UG/KG	1.63
7	43	136	6:55	1	0.723	A BB	31309.	168.146	UG/KG	1.78
8	76	154	7:50	1	0.819	A BB	456784.	263.551	UG/KG	2.78
9	96	178	9:03	1	0.947	A BV	185075.	197.757	UG/KG	2.09
10	63	205	10:25	1	1.090	A BB	231630.	207.389	UG/KG	2.19
11	96	219	11:08	1	1.165	A BB	203529.	197.995	UG/KG	2.09
12	83	232	11:48	1	1.234	A BV	455810.	212.421	UG/KG	2.24
13	62	246	12:30	1	1.309	A BV	271158.	228.807	UG/KG	2.42
14	114	396	20:08	14	1.000	A BV	173637.	50.000	UG/KG	0.53
15	72	244	12:24	14	0.616	A BB	18843.	235.037	UG/KG	2.48
16	97	272	13:50	14	0.687	A BV	440625.	233.587	UG/KG	2.47
17	117	280	14:14	14	0.707	A VV	554205.	230.499	UG/KG	2.43
18	43	282	14:20	14	0.712	A BV	186349.	260.875	UG/KG	2.75
19	83	291	14:48	14	0.735	A BB	469348.	254.768	UG/KG	2.69
20	63	318	16:10	14	0.803	A BB	179004.	242.623	UG/KG	2.56
21	75	323	16:25	14	0.816	A BB	313810.	265.312	UG/KG	2.80
22	130	334	16:59	14	0.843	A BV	360787.	209.929	UG/KG	2.22
23	129	348	17:41	14	0.879	A BV	543471.	256.299	UG/KG	2.71
24	97	350	17:47	14	0.884	A BB	284590.	246.937	UG/KG	2.61
25	78	344	17:29	14	0.869	A BB	469122.	231.958	UG/KG	2.45
26	75	349	17:44	14	0.881	A VB	225340.	292.797	UG/KG	3.09
27	63	371	18:52	14	0.937	A BV	112763.	261.860	UG/KG	2.76
28	173	403	20:29	14	1.018	A BV	408019.	261.148	UG/KG	2.76
29	117	498	25:19	29	1.000	A BV	172606.	50.000	UG/KG	0.53
30	43	411	20:54	29	0.825	A BB	215153.	235.515	UG/KG	2.49
31	43	443	22:31	29	0.890	A BB	159383.	233.430	UG/KG	2.46
32	164	450	22:52	29	0.904	A BV	358619.	196.809	UG/KG	2.08
33	83	450	22:52	29	0.904	A VV	466621.	246.697	UG/KG	2.60
34	92	476	24:12	29	0.956	A BB	436914.	213.445	UG/KG	2.25
35	112	501	25:28	29	1.006	A BV	718209.	213.867	UG/KG	2.26
36	106	551	28:01	29	1.106	A BV	346303.	209.424	UG/KG	2.21
37	104	657	33:24	29	1.319	A BB	959855.	277.852	UG/KG	2.93
38	106	666	33:51	29	1.337	A BB	625769.	257.364	UG/KG	2.72
39	106	693	35:14	29	1.392	A BB	1260280.	554.529	UG/KG	5.85
40	65	244	12:24	1	1.298	A BV	76447.	63.734	UG/KG	0.67
41	95	619	31:28	29	1.243	A BB	177225.	61.786	UG/KG	0.65
42	98	472	24:00	1	2.511	A BV	190298.	52.628	UG/KG	0.56

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:33	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44	0.97	10.000	0.02	574.55	200.00	1.052	0.366	2.87
3	2:36	0.98	10.000	0.03	261.08	200.00	2.072	1.587	1.31
4	3:12	1.02	10.000	0.03	323.53	200.00	1.198	0.740	1.62
5	4:07	1.01	10.000	0.04	231.63	200.00	0.605	0.522	1.16
6	6:12	1.02	5.000	0.13	154.66	200.00	0.965	1.248	0.77
7	6:46	1.02	10.000	0.07	168.15	200.00	0.175	0.208	0.84
8	7:47	1.01	5.000	0.16	263.55	200.00	2.551	1.936	1.32
9	9:00	1.01	5.000	0.19	197.76	200.00	1.034	1.045	0.99
10	10:22	1.00	5.000	0.22	207.39	200.00	1.294	1.248	1.04
11	11:05	1.00	5.000	0.23	197.99	200.00	1.137	1.148	0.99
12	11:45	1.00	5.000	0.25	212.42	200.00	2.546	2.397	1.06
13	12:27	1.00	5.000	0.26	228.81	200.00	1.515	1.324	1.14
14	20:08	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:21	1.00	10.000	0.06	235.04	200.00	0.027	0.023	1.18
16	13:50	1.00	5.000	0.14	233.59	200.00	0.634	0.543	1.17
17	14:14	1.00	5.000	0.14	230.50	200.00	0.798	0.692	1.15
18	14:20	1.00	10.000	0.07	260.88	200.00	0.268	0.206	1.30
19	14:48	1.00	5.000	0.15	254.77	200.00	0.676	0.530	1.27
20	16:10	1.00	5.000	0.16	242.62	200.00	0.258	0.212	1.21
21	16:25	1.00	5.000	0.16	265.31	200.00	0.452	0.341	1.33
22	16:59	1.00	5.000	0.17	209.93	200.00	0.519	0.495	1.05
23	17:41	1.00	5.000	0.18	256.30	200.00	0.782	0.611	1.28
24	17:47	1.00	5.000	0.18	246.94	200.00	0.410	0.332	1.23
25	17:29	1.00	5.000	0.17	231.96	200.00	0.675	0.582	1.16
26	17:44	1.00	5.000	0.18	292.80	200.00	0.324	0.222	1.46
27	18:52	1.00	10.000	0.09	261.86	200.00	0.162	0.124	1.31
28	20:29	1.00	5.000	0.20	261.15	200.00	0.587	0.450	1.31
29	25:19	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	20:54	1.00	10.000	0.08	235.51	200.00	0.312	0.265	1.18
31	22:31	1.00	10.000	0.09	233.43	200.00	0.231	0.198	1.17
32	22:49	1.00	5.000	0.18	196.81	200.00	0.519	0.528	0.98
33	22:52	1.00	5.000	0.18	246.70	200.00	0.676	0.548	1.23
34	24:09	1.00	5.000	0.19	213.44	200.00	0.633	0.593	1.07
35	25:28	1.00	5.000	0.20	213.87	200.00	1.040	0.973	1.07
36	27:57	1.00	5.000	0.22	209.42	200.00	0.502	0.479	1.05
37	33:24	1.00	5.000	0.26	277.85	200.00	1.390	1.001	1.39
38	33:48	1.00	5.000	0.27	257.36	200.00	0.906	0.704	1.29
39	35:11	1.00	5.000	0.28	554.53	400.00	0.913	0.658	1.39
40	12:21	1.00	10.000	0.13	63.73	50.00	1.708	1.340	1.27
41	31:25	1.00	10.000	0.12	61.79	50.00	1.027	0.831	1.24
42	23:57	1.00	10.000	0.25	52.63	50.00	4.252	4.039	1.05

CompuChem Laboratories, Inc.
GC/MS Analysis Log

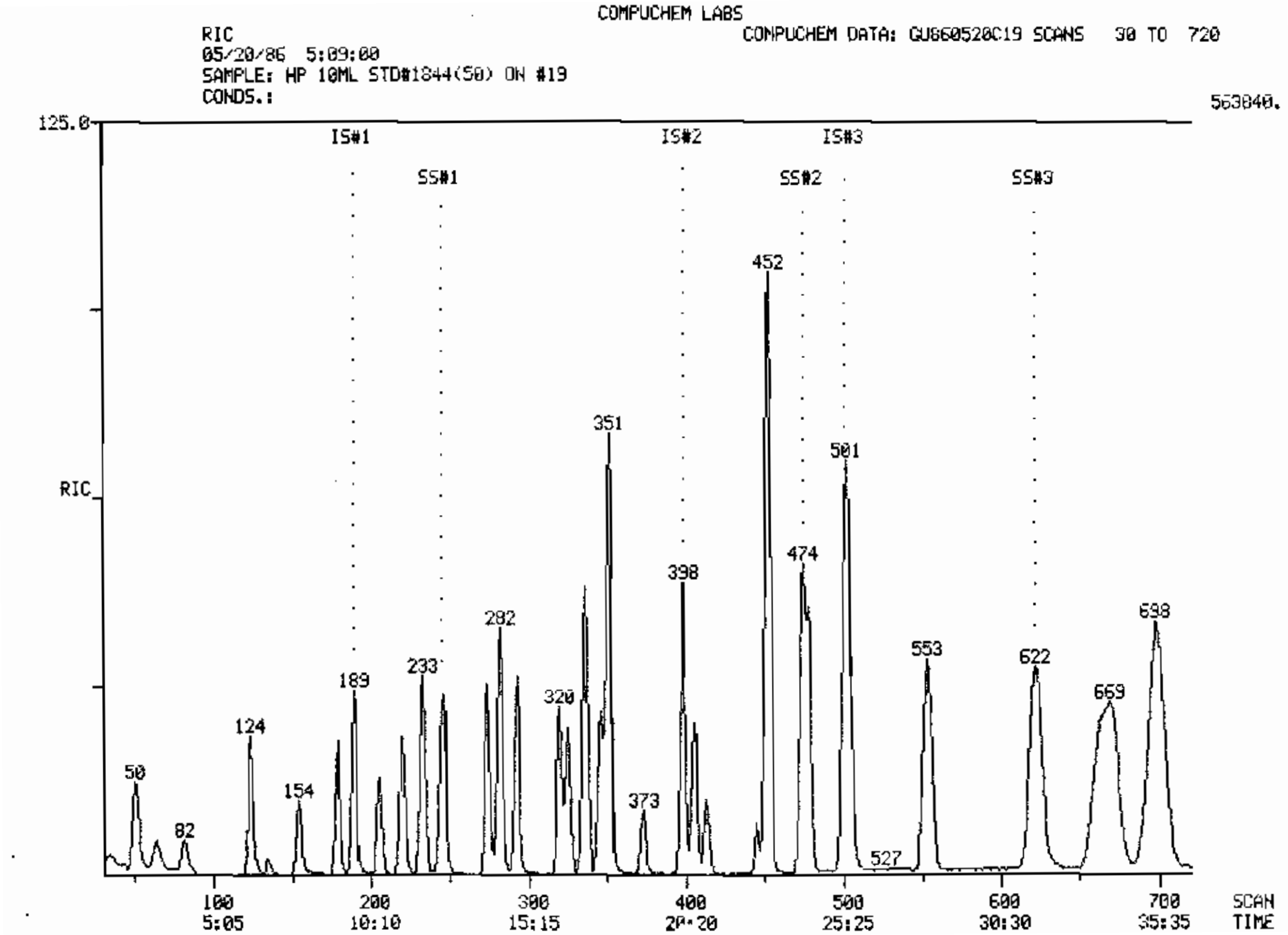
Initial Time of Tune 10:23
Time Tune Expires 22:23

Shift(s) (A) (B) (C)
Date 5-16-86
Analysis Type E238

Run Log

	REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition,
1		BF860516 A19		5/16/86	10:23			2ul	819		3017	17648
2		G-S860516 A19		/ /	10:44			10ul	819			std #1844 (50)
3	X	G-B860516 A19		/ /	11:24			10ul	819			MC+AM
4		G-T860516 A19		/ /	12:04			10ul	819			std #1843 (20)
5		G-U860516 A19		/ /	13:06			10ul	819			std #1845 (100)
6		G-V860516 A19		/ /	13:45			10ul	819			std #1846 (150)
7		G-W860516 A19		/ /	14:24			10ul	819			std #1847 (200)
8	X	G-X860516 A19		/ /	15:31			10ul	819			std #1844 (50) [illegible]
9	X	GB860516 B19		/ /	16:19			10ml	941			
10		GS860516 B19		/ /	17:00			10ml	941			50 STD #1844
11	X	GC860516 B19		/ /	17:55			10ml	941			Of baked extra[illegible]
12		GD860516 B19		/ /	19:07			10ml	941			
13		GH085624 B19		/ /	20:14	BLK#1	5922	10ml	941			
14		GH085625 B19		/ /	21:14	BLK#2	5922	10ml	941			MC = 124
15		GH085325 B19		/ /	21:54	FD431	5922	10ml	941			[illegible]
16				/ /	:							
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							KB 5-16-86
25				/ /	:							
26				/ /	:							

Hard, Multiple Copies


COMPUCHEM LABS
RIC
05/20/86 5:09:00
SAMPLE: HP 10ML STD#1844(50) ON #19
CONDS.:
COMPUCHEM DATA: QU660520C19 SCANS 30 TO 720
563840.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
50
82
124
154
189
233
282
320
351
373
398
452
474
501
527
553
622
669
698
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:35
SCAN
TIME

QUANTITATION REPORT FILE: GU860520C19

DATA: GU860520C19.TI
05/20/86 5:09:00
SAMPLE: HP 10ML STD#1844(50) ON #19
CONOS.:
SUBMITTED BY: 19 ANALYST: 891

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*245 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
1E	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <75-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 05-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACMLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <1D0-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

5/21/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	189	9:36	1	1.000	A BV	82166.	50.000 UG/KG	2.76
2	50	34	1:44	1	0.180	A BB	48930.	32.816 UG/KG	1.81

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	50	2:32	1	0.265	A BB	106614.	39.304	UG/KG	2.17
4	62	64	3:15	1	0.339	A BB	71209.	35.924	UG/KG	1.99
5	64	82	4:10	1	0.434	A BB	37021.	35.500	UG/KG	1.96
6	84	124	6:18	1	0.656	A BV	99686.	47.433	UG/KG	2.62
7	43	135	6:52	1	0.714	A BV	25971.	64.013	UG/KG	3.54
8	76	154	7:50	1	0.815	A BV	169477.	38.519	UG/KG	2.13
9	96	179	9:06	1	0.947	A BV	77024.	39.721	UG/KG	2.20
10	63	206	10:28	1	1.090	A BB	111191.	38.071	UG/KG	2.10
11	96	220	11:11	1	1.164	A BV	85581.	40.642	UG/KG	2.25
12	83	233	11:51	1	1.233	A BV	202784.	38.158	UG/KG	2.11
13	62	247	12:33	1	1.307	A BB	118437.	39.559	UG/KG	2.19
14	114	398	20:14	14	1.000	A BV	348304.	50.000	UG/KG	2.76
15	72	244	12:24	14	0.613	A BB	8567.	43.818	UG/KG	2.42
16	97	274	13:56	14	0.688	A BB	178485.	41.289	UG/KG	2.28
17	117	282	14:20	14	0.709	A VB	196170.	42.569	UG/KG	2.35
18	43	284	14:26	14	0.714	A BB	70176.	41.067	UG/KG	2.27
19	83	293	14:54	14	0.736	A BV	178356.	41.677	UG/KG	2.30
20	63	320	16:16	14	0.804	A BB	74018.	38.749	UG/KG	2.14
21	75	325	16:31	14	0.817	A BV	113699.	40.262	UG/KG	2.23
22	130	336	17:05	14	0.844	A BV	137937.	42.473	UG/KG	2.35
23	129	350	17:47	14	0.879	A BV	161246.	43.180	UG/KG	2.39
24	97	352	17:54	14	0.884	A BB	99201.	40.180	UG/KG	2.22
25	78	346	17:35	14	0.869	A BB	198086.	39.681	UG/KG	2.19
26	75	351	17:51	14	0.882	A VB	74441.	40.757	UG/KG	2.25
27	63	373	18:58	14	0.937	A BV	41038.	39.305	UG/KG	2.17
28	173	405	20:35	14	1.018	A BV	109841.	41.595	UG/KG	2.30
29	117	500	25:25	29	1.000	A BB	329671.	50.000	UG/KG	2.76
30	43	413	21:00	29	0.826	A BB	68130.	40.379	UG/KG	2.23
31	43	445	22:37	29	0.890	A BV	53396.	41.637	UG/KG	2.30
32	164	451	22:56	29	0.902	A BB	138240.	42.264	UG/KG	2.34
33	83	452	22:59	29	0.904	A VB	163972.	36.810	UG/KG	2.03
34	92	477	24:15	29	0.954	A BV	173587.	40.517	UG/KG	2.24
35	112	503	25:34	29	1.006	A BV	266259.	40.973	UG/KG	2.26
36	106	553	28:07	29	1.106	A BB	135269.	41.631	UG/KG	2.30
37	104	662	33:39	29	1.324	A BB	264590.	42.082	UG/KG	2.33
38	106	671	34:07	29	1.342	A BB	174276.	41.692	UG/KG	2.30
39	106	698	35:29	29	1.396	A BB	339072.	82.285	UG/KG	4.55
40	65	245	12:27	1	1.296	A BV	131055.	46.096	UG/KG	2.55
41	95	623	31:40	29	1.246	A BB	293857.	47.582	UG/KG	2.63
42	98	473	24:03	1	2.503	A BV	327851.	48.831	UG/KG	2.70

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:33	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35	1.10	10.000	0.02	32.82	50.00	0.596	0.907	0.66
3	2:26	1.04	10.000	0.03	39.30	50.00	1.298	1.651	0.79
4	3:06	1.05	10.000	0.03	35.92	50.00	0.867	1.206	0.72
5	3:58	1.05	10.000	0.04	35.50	50.00	0.451	0.635	0.71
6	6:09	1.02	5.000	0.13	47.43	50.00	1.213	1.279	0.95
7	6:46	1.02	10.000	0.07	64.01	50.00	0.316	0.247	1.28
8	7:44	1.01	5.000	0.16	38.52	50.00	2.063	2.677	0.77
9	9:00	1.01	5.000	0.19	39.72	50.00	0.937	1.180	0.79
10	10:25	1.00	5.000	0.22	38.07	50.00	1.353	1.777	0.76
11	11:08	1.00	5.000	0.23	40.64	50.00	1.042	1.281	0.81
12	11:48	1.00	5.000	0.25	38.16	50.00	2.468	3.234	0.76
3	12:33	1.00	5.000	0.26	39.56	50.00	1.441	1.822	0.79
14	20:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:24	1.00	10.000	0.06	43.82	50.00	0.025	0.028	0.88
16	13:56	1.00	5.000	0.14	41.29	50.00	0.512	0.621	0.83
17	14:17	1.00	5.000	0.14	42.57	50.00	0.563	0.662	0.85
18	14:23	1.00	10.000	0.07	41.07	50.00	0.201	0.245	0.82
19	14:54	1.00	5.000	0.15	41.68	50.00	0.512	0.614	0.83
20	16:16	1.00	5.000	0.16	38.75	50.00	0.213	0.274	0.77
21	16:31	1.00	5.000	0.16	40.26	50.00	0.326	0.405	0.81
22	17:05	1.00	5.000	0.17	42.47	50.00	0.396	0.466	0.85
23	17:47	1.00	5.000	0.18	43.18	50.00	0.463	0.536	0.86
24	17:54	1.00	5.000	0.18	40.18	50.00	0.285	0.354	0.80
25	17:35	1.00	5.000	0.17	39.68	50.00	0.569	0.717	0.79
26	17:51	1.00	5.000	0.18	40.76	50.00	0.214	0.262	0.82
27	18:58	1.00	10.000	0.09	39.30	50.00	0.118	0.150	0.79
28	20:35	1.00	5.000	0.20	41.60	50.00	0.315	0.379	0.83
29	25:25	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:00	1.00	10.000	0.08	40.38	50.00	0.207	0.256	0.81
31	22:37	1.00	10.000	0.09	41.64	50.00	0.162	0.195	0.83
32	22:59	1.00	5.000	0.18	42.26	50.00	0.419	0.496	0.85
33	22:59	1.00	5.000	0.18	36.81	50.00	0.497	0.676	0.74
34	24:15	1.00	5.000	0.19	40.52	50.00	0.527	0.650	0.81
35	25:34	1.00	5.000	0.20	40.97	50.00	0.808	0.986	0.82
36	28:07	1.00	5.000	0.22	41.63	50.00	0.410	0.493	0.83
37	33:39	1.00	5.000	0.26	42.08	50.00	0.803	0.954	0.84
38	34:07	1.00	5.000	0.27	41.69	50.00	0.529	0.634	0.83
39	35:29	1.00	5.000	0.28	82.29	100.00	0.514	0.625	0.82
40	12:24	1.00	10.000	0.13	46.10	50.00	1.595	1.730	0.92
41	31:37	1.00	10.000	0.12	47.58	50.00	0.891	0.937	0.95
42	24:06	1.00	10.000	0.25	48.83	50.00	3.990	4.086	0.98

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 2:18
Time Tune Expires 14:18

Shift(s) (A) ____ (B) ____ (C) ✓
Date 5/20/86
Analysis Type E238

Run Log

	REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Etc.)
1		BF860520C19		5/20/86	2:18			2ul	891		3017	#17790 (OK)
2	X	GS860520C19		/ /	2:43			10ul	891			#1844(50)
3	X	GT860520C19		/ /	3:55			10ul	891			#1844(50) spikes high
4		GU860520C19		/ /	5:09	[illegible]		10ul	891			#1844(50) (OK)
5		GB860520C19		/ /	6:18	Blank		10ul	891			
6		GH085378C19		/ /	7:09	HB2	5922	10ul	891			
7		GH086066A19		/ /	7:55	Blank	UBS West	10ul	819			
8		GH085385A19		/ /	8:38	HBlk	5898-3	10ul	819			
9		GH086128A19		/ /	9:19	Blank	5698	10ul	819			
10		GH086129A19		/ /	9:58	Blank	5698	10ul	819			
11		GR084991A19		/ /	10:37	SS	UBS West	10ul	819			
12		GH085859A19		/ /	11:23	DC945	5698	10ul	819			
13		GR84989A19		/ /	12:34	SS	UBS West	10ul	819			
14		GH085864A19		/ /	13:13	SS DC945	5698	10ul	819			
15		GH085865A19		/ /	13:55	SS DC945	5698	10ul	819			
16				/ /	:							
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							
25				/ /	:							
26				/ /	:							DB 5/20/86

Press Here for Multiple Copies

COMPUCHEM LABS

RIC

02/12/86 23:22:00

SAMPLE: 1 UL STD #2374 (15779 + 16647) - 20 NG.

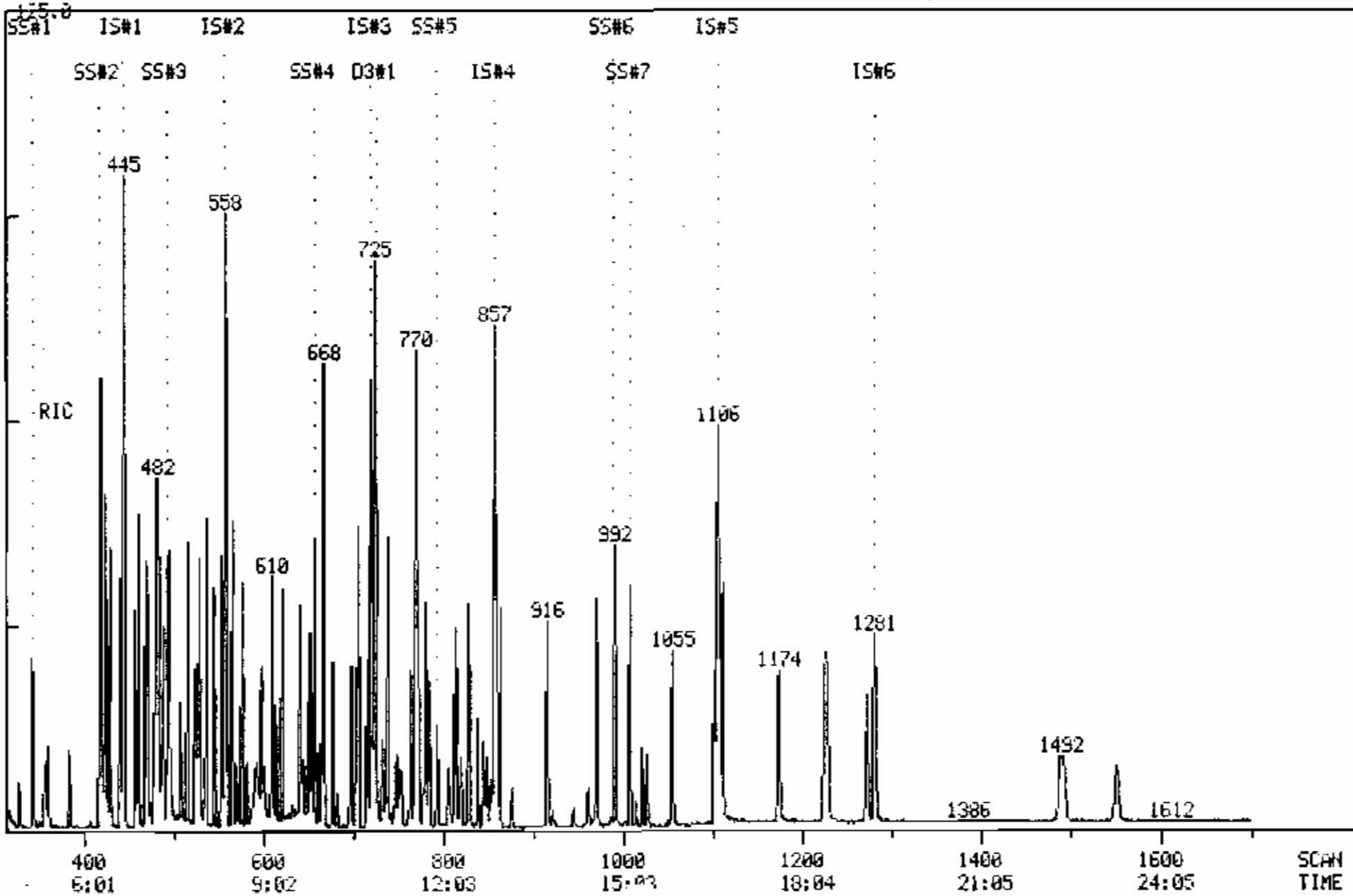
CONCS.:

COMPUCHEM DATA: HK860212S15 SCANS 315 TO 1700

OUT OF 315 TO 1700

20NG

862720.



QUANTITATION REPORT FILE: HK860212B15

DATA: HK860212B15.T1
02/12/86 23:22:00
SAMPLE: 1 UL STD #2374 (16779 + 16647) - 20 NG.
CONDS. :
SUBMITTED BY: 15 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
53	444 PHENANTHRENE (Q4#7) <85-01-8>
54	403 ANTHRACENE (Q4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
56	431 FLUORANTHENE (Q4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (Q5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
63	418 CHRYSENE (Q5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
68	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	445	6:42	1	1.000	A BB	122288.	40.000	NG	2.18
2	94	420	6:19	1	0.944	A BV	175840.	22.680	NG	1.24
3	93	425	6:24	1	0.955	A BV	266348.	40.713	NG	2.22
4	128	430	6:28	1	0.966	A BB	101728.	19.898	NG	1.09
5	146	442	6:39	1	0.993	A BB	96836.	20.159	NG	1.10
6	146	446	6:43	1	1.002	A BB	109580.	22.228	NG	1.21
7	108	458	6:54	1	1.029	A BV	52072.	17.378	NG	0.95
8	146	462	6:57	1	1.038	A BB	95428.	21.042	NG	1.15
9	108	470	7:05	1	1.056	A VB	81556.	18.325	NG	1.00
10	45	472	7:06	1	1.061	A BV	230916.	17.443	NG	0.95
11	108	482	7:15	1	1.083	A BV	96500.	18.516	NG	1.01
12	70	484	7:17	1	1.088	A BV	111288.	18.086	NG	0.99
13	117	489	7:22	1	1.099	A BB	48028.	18.548	NG	1.01
14	77	495	7:27	1	1.112	A VV	139740.	18.385	NG	1.00
15	136	557	8:23	15	1.000	A BB	420692.	40.000	NG	2.18
16	82	517	7:47	15	0.928	A BB	233856.	21.818	NG	1.19
17	139	524	7:53	15	0.941	A BB	44488.	16.029	NG	0.88
18	122	529	7:58	15	0.950	A VV	60508.	18.162	NG	0.99
19	122	537	8:05	15	0.964	A VV	46260.	17.859	NG	0.98
20	93	537	8:05	15	0.964	A BB	120356.	19.719	NG	1.08
21	162	546	8:13	15	0.980	A BB	60172.	18.667	NG	1.02

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	554	8:20	15	0.995	A BB	73172.	20.896	NG	1.14
23	128	559	8:25	15	1.004	A BB	251824.	23.013	NG	1.26
24	127	566	8:31	15	1.016	A VV	86524.	18.335	NG	1.00
25	225	577	8:41	15	1.036	A BB	42912.	22.301	NG	1.22
26	107	610	9:11	15	1.095	A BV	90220.	18.832	NG	1.03
27	142	622	9:22	15	1.117	A BB	132300.	21.863	NG	1.19
28	164	720	10:50	28	1.000	A BB	197012.	40.000	NG	2.18
29	237	644	9:42	28	0.894	A BB	17008.	11.890	NG	0.65
30	196	654	9:51	28	0.908	A*BB	~~80440~~40220	36.466	NG	1.99
31	196	654	9:51	28	0.908	A*BB	~~80440~~40220	57.034	NG	3.12
32	162	667	10:02	28	0.926	A VB	124876.	25.251	NG	1.38
33	65	678	10:12	28	0.942	A BV	59148.	16.155	NG	0.88
34	163	698	10:30	28	0.969	A BB	136716.	25.366	NG	1.39
35	152	706	10:38	28	0.981	A BB	206704.	24.740	NG	1.35
36	138	~~678~~ 708	~~10:12~~ 10:40	28	0.942	A BB	~~97896~~31764	17.345	NG	0.95
37	153	723	10:53	28	1.004	A BB	124136.	22.820	NG	1.25
38	184	726	10:56	28	1.008	A BB	9740.	33.811	NG	1.85
39	139	732	11:01	28	1.017	A VV	25812.	11.912	NG	0.65
40	168	738	11:07	28	1.025	A BB	177184.	24.355	NG	1.33
41	89	740	11:08	28	1.028	A BB	50784.	23.774	NG	1.30
42	165	704	10:36	28	0.978	A BB	26840.	23.096	NG	1.26
43	149	764	11:30	28	1.061	A VV	133928.	24.417	NG	1.33
44	204	770	11:36	28	1.069	A BB	60760.	28.178	NG	1.54
45	166	770	11:36	28	1.069	A BB	134288.	23.781	NG	1.30
46	138	773	11:38	28	1.074	A*BV	38176.	22.336	NG	1.22
47	188	857	12:54	47	1.000	A BV	303400.	40.000	NG	2.18
48	198	778	11:43	47	0.908	A BB	10564.	15.289	NG	0.84
49	169	781	11:45	47	0.911	A BV	95912.	19.530	NG	1.07
50	248	815	12:16	47	0.951	A BB	45648.	16.052	NG	0.88
51	284	829	12:29	47	0.967	A BB	57624.	17.399	NG	0.95
52	266	846	12:44	47	0.987	A BV	26436.	16.345	NG	0.89
53	178	859	12:56	47	1.002	A BV	192620.	21.792	NG	1.19
54	178	863	13:00	47	1.007	A VB	157284.	24.358	NG	1.33
55	149	916	13:47	47	1.069	A VV	205472.	17.356	NG	0.95
56	202	971	14:37	47	1.133	A VV	182432.	21.480	NG	1.17
57	240	1106	16:39	57	1.000	A VV	250216.	40.000	NG	2.18
58	202	992	14:56	57	0.897	A VV	191000.	26.666	NG	1.46
59	149	1055	15:53	57	0.954	A VV	82788.	17.656	NG	0.96
60	252	1101	16:34	57	0.995	A BV	43292.	16.253	NG	0.89
61	228	1104	16:37	57	0.998	A VV	164540.	21.000	NG	1.15
62	149	1110	16:43	57	1.004	A VV	130196.	17.878	NG	0.98
63	228	1108	16:37	57	0.998	A VV	138742 ~~164540~~	25.531	NG	1.39
64	264	1281	19:17	64	1.000	A BV	227268.	40.000	NG	2.18
65	149	1173	17:40	64	0.916	A BV	196788.	16.597	NG	0.91
66	252	1225	18:26	64	0.956	A*BV	~~293692~~/46846	39.793	NG	2.17
67	252	1225	18:26	64	0.956	A*BV	~~293692~~/46846	39.793	NG	2.17
68	252	1272	19:09	64	0.993	A BV	125936.	18.107	NG	0.99
69	276	1489	22:25	64	1.162	A BB	138448.	14.987	NG	0.82
70	278	1494	22:29	64	1.166	A BB	116620.	15.537	NG	0.83
71	276	1552	23:22	64	1.212	A BV	108044.	15.103	NG	0.82
72	112	344	5:11	1	0.773	A BB	91832.	17.548	NG	0.96
73	99	419	6:18	1	0.942	A BB	136720.	21.610	NG	1.18
74	82	494	7:26	15	0.887	A VV	120236.	18.420	NG	1.01
75	172	658	9:54	28	0.914	A BB	138060.	25.639	NG	1.40
76	141	794	11:57	28	1.103	A BV	9440.	22.707	NG	1.24
77	244	1007	15:10	57	0.910	A VV	133584.	21.839	NG	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	990	14:54	57	0.895	A*VV	163152.	23.884	NG	1.30
79	216	668	10:03	15	1.199	A BB	98192.	21.149	NG	1.16

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:20	1.00	10.000	0.09	22.68	160.00	0.359	2.536	0.14
3	6:25	1.00	10.000	0.10	40.71	160.00	0.545	2.140	0.25
4	6:29	1.00	10.000	0.10	19.90	160.00	0.208	1.672	0.12
5	6:40	1.00	10.000	0.10	20.16	160.00	0.198	1.571	0.13
6	6:44	1.00	10.000	0.10	22.23	160.00	0.224	1.613	0.14
7	6:55	1.00	10.000	0.10	17.38	160.00	0.106	0.980	0.11
8	6:58	1.00	10.000	0.10	21.04	160.00	0.195	1.483	0.13
9	7:06	1.00	10.000	0.11	18.33	160.00	0.167	1.456	0.11
10	7:08	1.00	10.000	0.11	17.44	160.00	0.472	4.330	0.11
11	7:17	1.00	10.000	0.11	18.52	160.00	0.197	1.705	0.12
12	7:19	1.00	10.000	0.11	18.09	160.00	0.228	2.013	0.11
13	7:23	1.00	10.000	0.11	18.55	160.00	0.098	0.847	0.12
14	7:29	1.00	10.000	0.11	18.39	160.00	0.286	2.486	0.11
15	8:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:49	1.00	10.000	0.09	21.82	160.00	0.139	1.019	0.14
17	7:55	1.00	10.000	0.09	16.03	160.00	0.026	0.264	0.10
18	8:00	1.00	10.000	0.09	18.16	160.00	0.036	0.317	0.11
19	8:11	0.99	50.000	0.02	17.86	160.00	0.027	0.246	0.11
20	8:07	1.00	10.000	0.10	19.72	160.00	0.072	0.580	0.12
21	8:14	1.00	10.000	0.10	18.67	160.00	0.036	0.306	0.12
22	8:21	1.00	10.000	0.10	20.90	160.00	0.043	0.333	0.13
23	8:26	1.00	10.000	0.10	23.01	160.00	0.150	1.040	0.14
24	8:32	1.00	10.000	0.10	18.33	160.00	0.051	0.449	0.11
25	8:42	1.00	10.000	0.10	22.30	160.00	0.026	0.183	0.14
26	9:13	1.00	10.000	0.11	18.83	160.00	0.054	0.456	0.12
27	9:24	1.00	10.000	0.11	21.86	160.00	0.079	0.575	0.14
28	10:52	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:43	1.00	10.000	0.09	11.89	160.00	0.022	0.290	0.07
30	9:49	1.00	10.000	0.09	36.47	320.00	0.051	0.448	0.11
31	9:53	1.00	50.000	0.02	57.03	320.00	0.051	0.286	0.18
32	10:04	1.00	10.000	0.09	25.25	160.00	0.158	1.004	0.16
33	10:14	1.00	50.000	0.02	16.16	160.00	0.075	0.743	0.10
34	10:32	1.00	10.000	0.10	25.37	160.00	0.173	1.094	0.16
35	10:39	1.00	10.000	0.10	24.74	160.00	0.262	1.696	0.15
36	10:14	1.00	50.000	0.02	17.34	160.00	0.051	0.466	0.11
37	10:55	1.00	10.000	0.10	22.82	160.00	0.158	1.104	0.14
38	10:57	1.00	50.000	0.02	33.81	160.00	0.012	0.058	0.21
39	11:05	0.99	50.000	0.02	11.91	160.00	0.033	0.440	0.07
40	11:08	1.00	10.000	0.10	24.36	160.00	0.225	1.477	0.15
41	11:10	1.00	10.000	0.10	23.77	160.00	0.064	0.434	0.15
42	10:38	1.00	10.000	0.10	23.10	160.00	0.034	0.236	0.14
43	11:32	1.00	10.000	0.11	24.42	160.00	0.170	1.114	0.15
44	11:36	1.00	10.000	0.11	28.18	160.00	0.077	0.438	0.1E
45	11:37	1.00	10.000	0.11	23.78	160.00	0.170	1.147	0.15
46	11:41	1.00	50.000	0.02	22.34	160.00	0.048	0.347	0.14
47	12:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	11:45	1.00	50.000	0.02	15.29	160.00	0.009	0.091	0.10
49	11:47	1.00	10.000	0.09	19.53	160.00	0.079	0.647	0.12
50	12:17	1.00	10.000	0.10	16.05	160.00	0.038	0.375	0.10
51	12:30	1.00	10.000	0.10	17.40	160.00	0.047	0.437	0.11
52	12:44	1.00	50.000	0.02	16.34	160.00	0.022	0.213	0.10

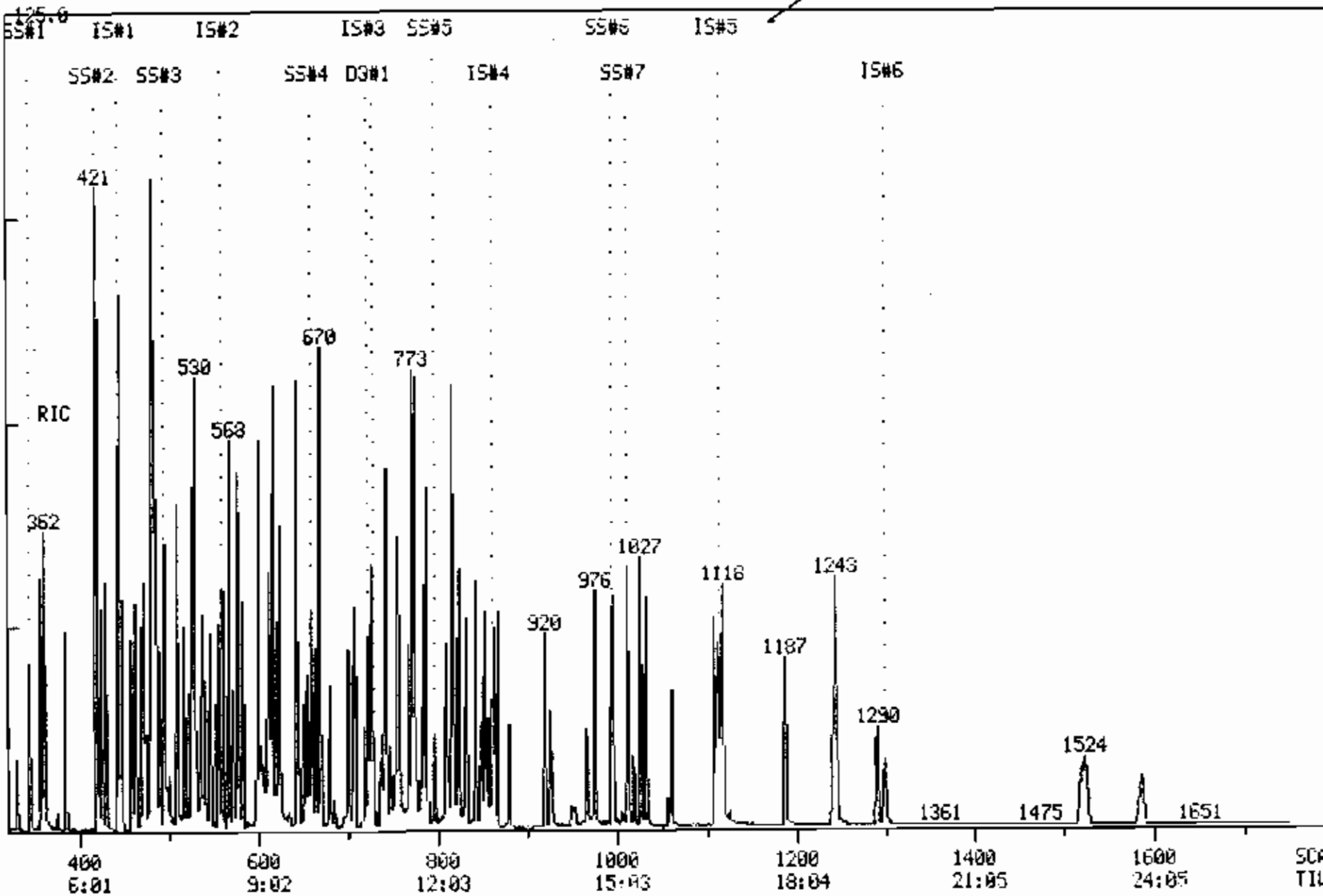
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	12:57	1.00	10.000	0.10	21.79	160.00	0.159	1.165	0.14
54	13:00	1.00	10.000	0.10	24.36	160.00	0.130	0.851	0.15
55	13:47	1.00	10.000	0.11	17.36	160.00	0.169	1.561	0.11
56	14:36	1.00	10.000	0.11	21.48	160.00	0.150	1.120	0.13
57	16:36	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	14:55	1.00	10.000	0.09	26.67	160.00	0.191	1.145	0.17
59	15:51	1.00	10.000	0.10	17.66	160.00	0.083	0.750	0.11
60	16:33	1.00	20.000	0.05	16.25	160.00	0.043	0.426	0.10
61	16:35	1.00	10.000	0.10	21.00	160.00	0.164	1.253	0.13
62	16:41	1.00	10.000	0.10	17.88	160.00	0.130	1.164	0.11
63	16:39	1.00	10.000	0.10	25.53	160.00	0.164	1.030	0.16
64	19:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	17:38	1.00	10.000	0.09	16.60	160.00	0.216	2.087	0.10
66	18:28	1.00	10.000	0.10	39.79	320.00	0.162	1.299	0.12
67	18:28	1.00	10.000	0.10	39.79	320.00	0.162	1.299	0.12
68	19:08	1.00	10.000	0.10	18.11	160.00	0.139	1.224	0.11
69	22:26	1.00	10.000	0.12	14.99	160.00	0.152	1.626	0.09
70	22:31	1.00	10.000	0.12	15.54	160.00	0.128	1.321	0.10
71	23:24	1.00	10.000	0.12	15.10	160.00	0.119	1.259	0.09
72	5:12	1.00	0.742	1.04	17.55	160.00	0.188	1.712	0.11
73	6:19	1.00	0.948	0.99	21.61	160.00	0.280	2.069	0.14
74	7:27	1.00	0.875	1.01	18.42	160.00	0.071	0.621	0.12
75	9:56	1.00	0.906	1.01	25.64	160.00	0.175	1.093	0.16
76	11:58	1.00	1.118	0.99	22.71	160.00	0.012	0.084	0.14
77	15:08	1.00	0.907	1.00	21.84	160.00	0.133	0.978	0.14
78	14:53	1.00	10.000	0.09	23.88	160.00	0.163	1.092	0.15
79	10:05	1.00	1.000	1.20	21.15	160.00	0.058	0.441	0.13

COMPUCHEM LABS

RIC
02/12/86 21:30:00
SAMPLE: 1 UL STD #2375 (16788 + 16838) - 50 NG.
CONDS.:

COMPUCHEM DATA: HI860212B15 SCANS 313 TO 1750
OUT OF 313 TO 1750

50



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QUANTITATION REPORT    FILE: HI860212B15

DATA: HI860212B15.TI
02/12/86 21:30:00
SAMPLE: 1 UL STD #2375 (16780 + 16638) - 50 NG.
CONDS.:
SUBMITTED BY: 15              ANALYST: 803

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

 NO  NAME
  1  *494 D4-1,4-DICHLOROBENZENE (IS#1)
  2  610 PHENOL (Q1#3) <108-95-2>
  3  411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
  4  601 2-CHLOROPHENOL (Q1#6) <95-57-8>
  5  421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
  6  422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
  7  474 BENZYL ALCOHOL (Q1#9) <100-51-6>
  8  420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
  9  620 2-METHYLPHENOL (Q1#11) <95-48-7>
 10  412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
 11  622 4-METHYLPHENOL (Q1#13) <106-44-5>
 12  442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
 13  436 HEXACHLOROETHANE (Q1#15) <67-72-1>
 14  440 NITROBENZENE (Q1#16) <98-95-3>
 15  *460 D8-NAPHTHALENE (IS#2)
 16  438 ISOPHORONE (Q2#2) <78-59-1>
 17  606 2-NITROPHENOL (Q2#3) <88-75-5>
 18  603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
 19  625 BENZOIC ACID (Q2#5) <65-85-0>
 20  410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
 21  602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
 22  446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
 23  439 NAPHTHALENE (Q2#9) <91-20-3>
 24  475 4-CHLOROANILINE (Q2#10) <106-47-8>
 25  434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
 26  608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
 27  477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
 28  *495 D10-ACENAPHTHENE (IS#3)
 29  435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
 30  611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
 31  626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
 32  416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
 33  478 2-NITROANILINE (Q3#6) <88-74-4>
 34  425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
 35  402 ACENAPHTHYLENE (Q3#8) <208-96-8>
 36  479 3-NITROANILINE (Q3#9) <99-09-2>
 37  401 ACENAPHTHENE (Q3#10) <83-32-9>
 38  @605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
 39  607 4-NITROPHENOL (Q3#12) <100-02-7>
 40  476 DIBENZOFURAN (Q3#13) <132-64-9>
 41  427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
 42  428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
 43  424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
 44  417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
 45  432 FLUORENE (Q3#18) <86-73-7>
 46  480 4-NITROANILINE (Q3#19) <100-01-6>
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NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
53	444 PHENANTHRENE (Q4#7) <85-01-8>
54	403 ANTHRACENE (Q4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
56	431 FLUORANTHENE (Q4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (Q5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
60	423 3,3'-DICHLORDBENZIDINE (Q5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
63	418 CHRYSENE (Q5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
68	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	446	6:43	1	1.000	A BB	96276.	40.000	NG	0.94
2	94	421	6:20	1	0.944	A BV	404632.	66.290	NG	1.56
3	93	426	6:25	1	0.955	A*VV	301792.	58.594	NG	1.37
4	128	431	6:29	1	0.966	A BV	229584.	57.040	NG	1.34
5	146	443	6:40	1	0.993	A BV	205040.	55.011	NG	1.29
6	146	447	6:44	1	1.002	A VB	226440.	58.342	NG	1.37
7	108	459	6:55	1	1.029	A BV	124168.	52.634	NG	1.23
8	146	463	6:58	1	1.038	A BB	189536.	53.084	NG	1.25
9	108	472	7:06	1	1.058	A VV	171632.	48.984	NG	1.15
10	45	474	7:08	1	1.063	A BV	554431.	53.196	NG	1.25
11	108	484	7:17	1	1.085	A VV	233612.	56.934	NG	1.34
12	70	485	7:18	1	1.087	A VB	271409.	56.025	NG	1.31
13	117	491	7:23	1	1.101	A BB	106644.	52.312	NG	1.23
14	77	497	7:29	1	1.114	A VV	319532.	53.398	NG	1.25
15	136	559	8:25	15	1.000	A BB	341648.	40.000	NG	0.94
16	82	519	7:49	15	0.928	A VV	512952.	58.928	NG	1.38
17	139	526	7:55	15	0.941	A BB	107896.	47.868	NG	1.12
18	122	530	7:59	15	0.948	A VV	139772.	51.660	NG	1.21
19	122	540	8:08	15	0.966	A VV	100456.	47.755	NG	1.12
20	93	538	8:06	15	0.962	A BB	262908.	53.040	NG	1.24
21	162	547	8:14	15	0.979	A BB	135348.	51.702	NG	1.21

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	555	9:21	15	0.993	A BB	148616.	52.261	NG	1.23
23	128	561	8:27	15	1.004	A BV	488284.	54.946	NG	1.29
24	127	567	8:32	15	1.014	A BV	183344.	47.841	NG	1.12
25	225	578	8:42	15	1.034	A BB	86124.	55.113	NG	1.29
26	107	612	9:13	15	1.095	A VV	213968.	54.995	NG	1.29
27	142	624	9:24	15	1.116	A VV	273752.	55.705	NG	1.31
28	164	723	10:53	28	1.000	A BB	167332.	40.000	NG	0.94
29	237	646	9:44	28	0.893	A BB	56780.	46.735	NG	1.10
30	196	656	9:53	28	0.907	A*BB	~~160852~~ 80424	85.853	NG	2.01
31	196	656	9:53	28	0.907	A*BB	~~160852~~ 80426	134.278	NG	3.15
32	162	669	10:04	28	0.925	A VB	252580.	60.132	NG	1.41
33	65	680	10:14	28	0.941	A VB	133192.	42.831	NG	1.00
34	163	701	10:33	28	0.970	A BB	280864.	61.353	NG	1.44
35	152	708	10:40	28	0.979	A BB	396104.	55.817	NG	1.31
36	138	718 ~~680~~	10:14	28	0.941	A BV	~~92640~~ 69144	47.490	NG	1.11
37	153	726	10:56	28	1.004	A BB	238708.	51.666	NG	1.21
38	184	728	10:58	28	1.007	A BB	14564.	59.525	NG	1.40
39	139	736	11:05	28	1.018	A VV	59648.	32.411	NG	0.76
40	168	741	11:09	28	1.025	A BV	338716.	54.817	NG	1.29
41	89	743	11:11	28	1.028	A VV	117528.	64.779	NG	1.52
42	165	706	10:38	28	0.976	A VB	61400.	62.207	NG	1.46
43	149	768	11:34	28	1.062	A VV	307412.	65.987	NG	1.55
44	204	773	11:38	28	1.069	A BB	120848	65.986	NG	1.55
45	166	773	11:38	28	1.069	A BV	275896.	57.524	NG	1.35
46	138	776	11:41	28	1.073	A VV	69636.	47.970	NG	1.13
47	188	861	12:58	47	1.000	A BV	247196.	40.000	NG	0.94
48	198	781	11:45	47	0.907	A*BB	19528.	34.687	NG	0.81
49	169	784	11:48	47	0.911	A VV	204684.	51.155	NG	1.20
50	248	818	12:19	47	0.950	A*BB	98872.	42.673	NG	1.00
51	284	832	12:32	47	0.966	A VB	128316.	47.553	NG	1.12
52	266	849	12:47	47	0.986	A VV	61796.	46.895	NG	1.10
53	178	863	13.00	47	1.002	A VV	332896.	46.226	NG	1.08
54	178	867	13:03	47	1.007	A VV	296416.	56.342	NG	1.32
55	149	920	13:51	47	1.069	A VV	454880.	47.160	NG	1.11
56	202	976	14:42	47	1.134	A VV	390452.	56.425	NG	1.32
57	240	1113	16:45	57	1.000	A VV	190836.	40.000	NG	0.94
58	202	997	15:01	57	0.896	A VV	363156.	66.477	NG	1.56
59	149	1060	15:57	57	0.952	A VV	185924.	51.989	NG	1.22
60	252	1108	16:41	57	0.996	A BV	92684.	45.622	NG	1.07
61	228	1111	16:44	57	0.998	A VV	312304.	52.262	NG	1.23
62	149	1118	16:50	57	1.004	A VV	280084.	50.426	NG	1.18
63	228	1115	16:47	57	1.002	A VV	297176.	60.459	NG	1.42
64	264	1299	19:33	64	1.000	A BV	174864.	40.000	NG	0.94
65	149	1187	17:52	64	0.914	A BV	478739. 30774	52.476	NG	1.23
66	252	1244	18:44	64	0.958	A VV	~~611470~~ ~~200683~~/50341	52.950	NG	1.24
67	252	1244	18:44	64	0.958	A VV	~~611470~~ ~~200683~~/50341	52.950	NG	1.24
68	252	1290	19:25	64	0.993	A VV	264838. 30717	49.491	NG	1.16
69	276	1521	22:54	64	1.171	A*BV	326996.	46.004	NG	1.08
70	278	1524	22:57	64	1.173	A BV	270100.	46.769	NG	1.10
71	276	1587	23:53	64	1.222	A BV	255674.	46.451	NG	1.09
72	112	345	5:12	1	0.774	A BB	209144.	50.762	NG	1.19
73	99	420	6:19	1	0.942	A BV	291132.	58.450	NG	1.37
74	82	495	7:27	15	0.886	A VV	267624.	50.486	NG	1.19
75	172	660	9:56	28	0.913	A BB	253624.	55.455	NG	1.30
76	141	797	12:00	28	1.102	A BV	20484.	58.013	NG	1.36
77	244	1012	15:14	57	0.909	A VV	269640.	57.799	NG	1.36

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	995	14:59	57	0.894	A VV	323516.	62.095	NG	1.46
79	216	670	10:05	15	1.199	A BB	[illegible]	74.477	NG	1.75

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:20	1.00	10.000	0.09	66.29	160.00	1.051	2.536	0.41
3	6:25	1.00	10.000	0.10	58.59	160.00	0.784	2.140	0.37
4	6:29	1.00	10.000	0.10	57.04	160.00	0.596	1.672	0.36
5	6:40	1.00	10.000	0.10	55.01	160.00	0.540	1.571	0.34
6	6:44	1.00	10.000	0.10	58.34	160.00	0.588	1.613	0.36
7	6:55	1.00	10.000	0.10	52.63	160.00	0.322	0.980	0.33
8	6:58	1.00	10.000	0.10	53.08	160.00	0.492	1.483	0.33
9	7:06	1.00	10.000	0.11	48.98	160.00	0.446	1.456	0.31
10	7:08	1.00	10.000	0.11	53.20	160.00	1.440	4.330	0.33
11	7:17	1.00	10.000	0.11	56.93	160.00	0.607	1.705	0.36
12	7:19	1.00	10.000	0.11	56.03	160.00	0.705	2.013	0.35
13	7:23	1.00	10.000	0.11	52.31	160.00	0.277	0.847	0.33
14	7:29	1.00	10.000	0.11	53.40	160.00	0.830	2.486	0.33
15	8:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:49	1.00	10.000	0.09	58.93	160.00	0.375	1.019	0.37
17	7:55	1.00	10.000	0.09	47.87	160.00	0.079	0.264	0.30
18	8:00	1.00	10.000	0.09	51.66	160.00	0.102	0.317	0.32
19	8:11	0.99	50.000	0.02	47.76	160.00	0.074	0.246	0.30
20	8:07	1.00	10.000	0.10	53.04	160.00	0.192	0.580	0.33
21	8:14	1.00	10.000	0.10	51.70	160.00	0.099	0.306	0.32
22	8:21	1.00	10.000	0.10	52.26	160.00	0.109	0.333	0.33
23	8:26	1.00	10.000	0.10	54.95	160.00	0.357	1.040	0.34
24	8:32	1.00	10.000	0.10	47.84	160.00	0.134	0.449	0.30
25	8:42	1.00	10.000	0.10	55.11	160.00	0.063	0.183	0.34
26	9:13	1.00	10.000	0.11	55.00	160.00	0.157	0.456	0.34
27	9.24	1.00	10.000	0.11	55.70	160.00	0.200	0.575	0.35
28	10:52	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:43	1.00	10.000	0.09	46.74	160.00	0.085	0.290	0.29
30	9:49	1.01	10.000	0.09	85.85	320.00	0.120	0.448	0.27
31	9:53	1.00	50.000	0.02	134.28	320.00	0.120	0.286	0.42
32	10:04	1.00	10.000	0.09	60.13	160.00	0.377	1.004	0.33
33	10:14	1.00	50.000	0.02	42.83	160.00	0.199	0.743	0.27
34	10:32	1.00	10.000	0.10	61.35	160.00	0.420	1.094	0.38
35	10:39	1.00	10.000	0.10	55.82	160.00	0.592	1.696	0.35
36	10:14	1.00	50.000	0.02	47.49	160.00	0.138	0.466	0.30
37	10:55	1.00	10.000	0.10	51.67	160.00	0.357	1.104	0.32
38	10:57	1.00	50.000	0.02	59.52	160.00	0.022	0.058	0.37
39	11:05	1.00	50.000	0.02	32.41	160.00	0.089	0.440	0.20
40	11:08	1.00	10.000	0.10	54.82	160.00	0.506	1.477	0.34
41	11:10	1.00	10.000	0.10	64.78	160.00	0.176	0.434	0.40
42	10:38	1.00	10.000	0.10	62.21	160.00	0.092	0.236	0.39
43	11:32	1.00	10.000	0.11	65.99	160.00	0.459	1.114	0.41
44	11:36	1.00	10.000	0.11	65.99	160.00	0.181	0.438	0.41
45	11:37	1.00	10.000	0.11	57.52	160.00	0.412	1.147	0.36
46	11:41	1.00	50.000	0.02	47.97	160.00	0.104	0.347	0.30
47	12:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	11:45	1.00	50.000	0.02	34.69	160.00	0.020	0.091	0.22
49	11:47	1.00	10.000	0.09	51.16	160.00	0.207	0.647	0.32
50	12:17	1.00	10.000	0.10	42.67	160.00	0.100	0.375	0.27
51	12:30	1.00	10.000	0.10	47.55	160.00	0.130	0.437	0.30
52	12:44	1.00	50.000	0.02	46.89	160.00	0.062	0.213	0.29

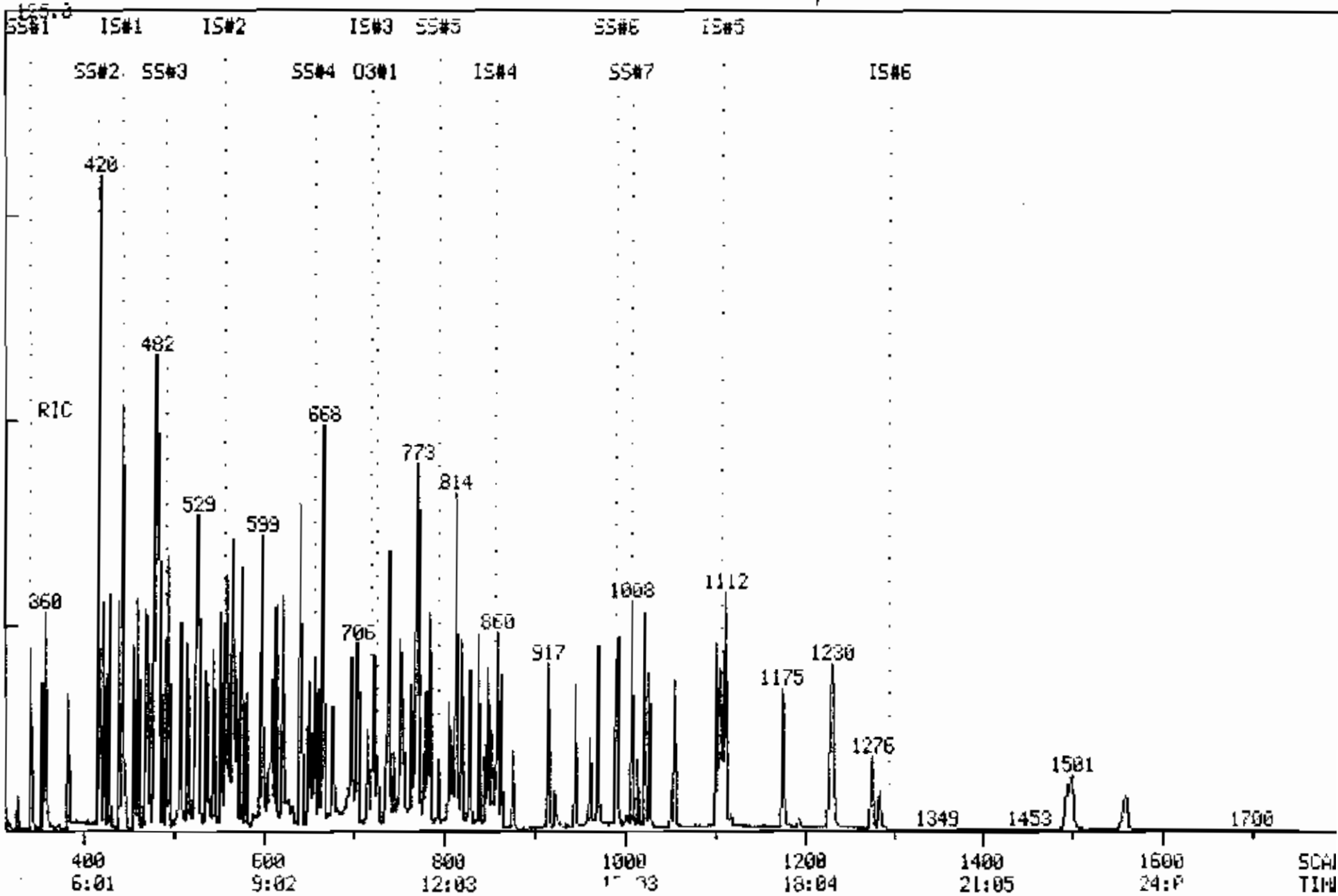
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	12:57	1.00	10.000	0.10	46.23	160.00	0.337	1.165	0.29
54	13:00	1.00	10.000	0.10	56.34	160.00	0.300	0.851	0.35
55	13:47	1.00	10.000	0.11	47.16	160.00	0.460	1.561	0.29
56	14:36	1.01	10.000	0.11	56.43	160.00	0.395	1.120	0.35
57	16:36	1.01	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	14:55	1.01	10.000	0.09	66.48	160.00	0.476	1.145	0.42
59	15:51	1.01	10.000	0.10	51.99	160.00	0.244	0.750	0.32
60	16:33	1.01	20.000	0.05	45.62	160.00	0.121	0.426	0.29
61	16:35	1.01	10.000	0.10	52.26	160.00	0.409	1.253	0.33
62	16:41	1.01	10.000	0.10	50.43	160.00	0.367	1.164	0.32
63	16:39	1.01	10.000	0.10	60.46	160.00	0.389	1.030	0.38
64	19:14	1.02	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	17:38	1.01	10.000	0.09	52.48	160.00	0.684	2.087	0.33
66	18:28	1.01	10.000	0.10	52.95	320.00	0.215	1.299	0.17
67	18:28	1.01	10.000	0.10	52.95	320.00	0.215	1.299	0.17
68	19:08	1.01	10.000	0.10	49.49	160.00	0.379	1.224	0.31
69	22:26	1.02	10.000	0.12	46.00	160.00	0.468	1.626	0.29
70	22:31	1.02	10.000	0.12	46.77	160.00	0.386	1.321	0.29
71	23:24	1.02	10.000	0.12	46.45	160.00	0.366	1.259	0.29
72	5:12	1.00	0.742	1.04	50.76	160.00	0.543	1.712	0.32
73	6:19	1.00	0.948	0.99	58.45	160.00	0.756	2.069	0.37
74	7:27	1.00	0.875	1.01	50.49	160.00	0.196	0.621	0.32
75	9:56	1.00	0.906	1.01	55.46	160.00	0.379	1.093	0.35
76	11:58	1.00	1.118	0.99	38.01	160.00	0.031	0.084	0.36
77	15:08	1.01	0.907	1.00	57.80	160.00	0.353	0.978	0.36
78	14:33	1.01	10.000	0.09	62.10	160.00	0.424	1.092	0.39
79	10:05	1.00	1.000	1.20	74.48	160.00	0.205	0.441	0.47

COMPUCHEM LABS

RIC
02/13/86 0:50:00
SAMPLE: 10L STD #2376 (16781+15548) 80NG.
CONDS.:

COMPUCHEM DATA: HM860213C15 SCANS 315 TO 1750
CUT OF 315 TO 1750

gong



F. **BNA standard(s) chromatograms and data system printouts (or legible facsimile) for both the initial and all continuing calibrations. Spectra are not required.**

QUANTITATION REPORT FILE: HM860213C15

DATA: HM860213C15.TI
02/13/86 0:50:00
SAMPLE: 1UL STD #2376 (16781+16648) 80NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 619

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLORDETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLORDETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLORDBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	#467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	#459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	#497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

S.C. 2/13/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	445	6:42	1	1.000	A BB	75184.	40.000	NG	0.60
2	94	420	6:19	1	0.944	A BV	432656.	90.766	NG	1.36
3	93	425	6:24	1	0.955	A VV	335024.	83.294	NG	1.25
4	128	430	6:28	1	0.966	A BV	257416.	81.897	NG	1.23
5	146	442	6:39	1	0.993	A BV	254208.	86.077	NG	1.29
6	146	446	6:43	1	1.002	A VB	260148.	85.931	NG	1.29
7	108	458	6:54	1	1.029	A BV	137844.	74.823	NG	1.12
8	146	462	6:57	1	1.038	A BB	227132.	81.459	NG	1.22
9	108	471	7:05	1	1.058	A VV	201244.	73.548	NG	1.11
10	45	473	7:07	1	1.063	A BB	672270.	82.597	NG	1.24
11	108	483	7:16	1	1.083	A VV	286100.	89.287	NG	1.34
12	70	484	7:17	1	1.088	A VV	321936.	85.098	NG	1.28
13	117	490	7:23	1	1.101	A BB	129512.	81.352	NG	1.22
14	77	496	7:28	1	1.115	A VV	401120.	85.837	NG	1.29
15	136	538	8:24	15	1.000	A BB	255364.	40.000	NG	0.60
16	82	517	7:47	15	0.927	A VV	545668.	83.868	NG	1.26
17	139	524	7:53	15	0.939	A BB	127264.	75.538	NG	1.13
18	122	529	7:58	15	0.948	A VV	165544.	81.860	NG	1.23
19	122	540	8:08	15	0.968	A VV	72068.	45.836	NG	0.69
20	93	537	8:05	15	0.962	A BV	301800.	81.459	NG	1.22
21	162	546	8:13	15	0.978	A BV	154136.	78.774	NG	1.18

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	554	8:20	15	0.993	A BB	176444.	83.012	NG	1.25
23	128	559	8:25	15	1.002	A BV	579088.	87.182	NG	1.31
24	127	565	8:30	15	1.013	A VV	240765.	84.052	NG	1.26
25	225	577	8:41	15	1.034	A BB	95748.	81.975	NG	1.23
26	107	610	9:11	15	1.093	A VB	242224.	83.294	NG	1.25
27	142	623	9:23	15	1.116	A VB	307940.	83.834	NG	1.26
28	164	720	10:50	28	1.000	A BB	124468.	40.000	NG	0.60
29	237	644	9:42	28	0.894	A BB	71404.	79.012	NG	1.19
30	196	651	9:48	28	0.904	A BV	~~192000~~ 96000	137.769	NG	2.07
31	196	651	9:48	28	0.904	A BV	~~192000~~ 96000	215.477	NG	3.24
32	162	667	10:02	28	0.926	A VB	301404.	96.466	NG	1.45
33	65	678	10:12	28	0.942	A BB	176466.	76.290	NG	1.15
34	163	699	10:31	28	0.971	A BB	346032.	101.619	NG	1.53
35	152	706	10:38	28	0.981	A BB	451548.	85.543	NG	1.29
36	138	~~678~~ 678	10:12	28	0.942	A BB	96676 ~~113572~~ ~~61044~~	78.133	NG	1.17
37	153	723	10:53	28	1.004	A BB	284832.	82.880	NG	1.25
38	184	727	10:57	28	1.010	A*BB	20576.	113.058	NG	1.70
39	139	735	11:04	28	1.021	A*VV	79984.	58.427	NG	0.88
40	168	738	11:07	28	1.025	A BV	407888.	88.745	NG	1.33
41	89	741	11:09	28	1.029	A*VV	141696.	104.995	NG	1.58
42	165	704	10:36	28	0.978	A VB	69752.	95.006	NG	1.43
43	149	765	11:31	28	1.062	A VV	326792.	94.303	NG	1.42
44	204	770	11:36	28	1.069	A BB	143004.	104.974	NG	1.58
45	166	770	11:36	28	1.069	A VV	315512.	88.438	NG	1.33
46	138	774	11:39	28	1.075	A*VV	98692.	91.399	NG	1.37
47	188	858	12:55	47	1.000	A VV	152564.	40.000	NG	0.60
48	198	779	11:44	47	0.908	A VB	34284.	98.672	NG	1.48
49	169	782	11:46	47	0.911	A VB	241416.	97.760	NG	1.47
50	248	816	12:17	47	0.951	A BB	118956.	83.188	NG	1.25
51	284	830	12:30	47	0.967	A VV	142576.	85.612	NG	1.29
52	266	847	12:45	47	0.987	A VV	63436.	77.999	NG	1.17
53	178	860	12:57	47	1.002	A VV	451968.	101.689	NG	1.53
54	178	864	13:00	47	1.007	A VV	318472.	98.083	NG	1.47
55	149	917	13:48	47	1.069	A VV	555008.	93.232	NG	1.40
56	202	972	14:38	47	1.133	A VV	390732.	91.490	NG	1.37
57	240	1107	16:40	57	1.000	A VV	131576.	40.000	NG	0.60
58	202	993	14:57	57	0.897	A VV	369281.	98.044	NG	1.47
59	149	1056	15:54	57	0.954	A VV	210680.	85.445	NG	1.28
60	252	1102	16:35	57	0.995	A VV	109776.	78.372	NG	1.18
61	228	1105	16:38	57	0.998	A VV	356120.	86.436	NG	1.30
62	149	1112	16:44	57	1.005	A VV	323066.	84.361	NG	1.27
63	228	1109	16:42	57	1.002	A VV	313964.	92.643	NG	1.39
64	264	1284	19:20	64	1.000	A BV	117221.	40.000	NG	0.60
65	149	1175	17:41	64	0.915	A VV	516584. 323610	84.796	NG	1.27
66	252	1232	18:33	64	0.960	A VV	~~298946~~ 194473	78.532	NG	1.18
67	252	1232	18:33	64	0.960	A VV	~~298946~~ 194473 323610	78.532	NG	1.18
68	252	1276	19:13	64	0.994	A VV	276139.	76.978	NG	1.16
69	276	1496	22:31	64	1.165	A BB	314352.	65.973	NG	0.99
70	278	1501	22:36	64	1.169	A BB	263704.	68.116	NG	1.02
71	276	1559	23:28	64	1.214	A BB	237629.	64.403	NG	0.97
72	112	344	5:11	1	0.773	A BV	253412.	78.761	NG	1.18
73	99	419	6:18	1	0.942	A VV	331664.	85.267	NG	1.28
74	82	494	7:26	15	0.885	A VV	319656.	80.677	NG	1.21
75	172	658	9:54	28	0.914	A BB	303672.	89.264	NG	1.34
76	141	795	11:58	28	1.104	A VV	24108.	91.789	NG	1.38
77	244	1008	15:10	57	0.911	A VV	306724.	95.360	NG	1.43

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	991	14:55	57	0.895	A VV	354243.	98.617	NG	1.48
79	216	668	10:03	15	1.197	A BB	282712.	100.388	NG	1.51

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:20	1.00	10.000	0.09	90.77	160.00	1.439	2.536	0.57
3	6:25	1.00	10.000	0.10	83.29	160.00	1.114	2.140	0.52
4	6:29	1.00	10.000	0.10	81.90	160.00	0.856	1.672	0.51
5	6:40	1.00	10.000	0.10	86.08	160.00	0.845	1.571	0.54
6	6:44	1.00	10.000	0.10	85.83	160.00	0.865	1.613	0.54
7	6:55	1.00	10.000	0.10	74.82	160.00	0.458	0.980	0.47
8	6:58	1.00	10.000	0.10	81.46	160.00	0.755	1.483	0.51
9	7:06	1.00	10.000	0.11	73.55	160.00	0.669	1.456	0.46
10	7:08	1.00	10.000	0.11	82.60	160.00	2.235	4.330	0.52
11	7:17	1.00	10.000	0.11	89.29	160.00	0.951	1.705	0.56
12	7:19	1.00	10.000	0.11	85.10	160.00	1.070	2.013	0.53
13	7:23	1.00	10.000	0.11	81.35	160.00	0.431	0.847	0.51
14	7:29	1.00	10.000	0.11	85.84	160.00	1.334	2.486	0.54
15	8:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:49	1.00	10.000	0.09	83.87	160.00	0.534	1.019	0.52
17	7:55	1.00	10.000	0.09	75.54	160.00	0.125	0.264	0.47
18	8:00	1.00	10.000	0.09	81.86	160.00	0.162	0.317	0.51
19	8:11	0.99	50.000	0.02	45.84	160.00	0.071	0.246	0.29
20	8:07	1.00	10.000	0.10	81.46	160.00	0.295	0.580	0.51
21	8:14	1.00	10.000	0.10	78.77	160.00	0.151	0.306	0.49
22	8:21	1.00	10.000	0.10	83.01	160.00	0.173	0.333	0.52
23	8:26	1.00	10.000	0.10	87.18	160.00	0.567	1.040	0.54
24	8:32	1.00	10.000	0.10	84.05	160.00	0.236	0.449	0.53
25	8:42	1.00	10.000	0.10	81.97	160.00	0.094	0.183	0.51
26	9:13	1.00	10.000	0.11	83.29	160.00	0.237	0.456	0.52
27	9:24	1.00	10.000	0.11	83.83	160.00	0.301	0.575	0.52
28	10:52	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:43	1.00	10.000	0.09	79.01	160.00	0.143	0.290	0.49
30	9:49	1.00	10.000	0.09	137.77	320.00	0.193	0.448	0.43
31	9:53	0.99	50.000	0.02	215.48	320.00	0.193	0.286	0.67
32	10:04	1.00	10.000	0.09	96.47	160.00	0.605	1.004	0.60
33	10:14	1.00	50.000	0.02	76.29	160.00	0.354	0.743	0.48
34	10:32	1.00	10.000	0.10	101.62	160.00	0.695	1.094	0.64
35	10:39	1.00	10.000	0.10	85.54	160.00	0.907	1.696	0.53
36	10:14	1.00	50.000	0.02	78.13	160.00	0.228	0.466	0.49
37	10:55	1.00	10.000	0.10	82.88	160.00	0.572	1.104	0.52
38	10:57	1.00	50.000	0.02	113.06	160.00	0.041	0.058	0.71
39	11:05	1.00	50.000	0.02	58.43	160.00	0.161	0.440	0.37
40	11:08	1.00	10.000	0.10	88.74	160.00	0.819	1.477	0.55
41	11:10	1.00	10.000	0.10	104.99	160.00	0.285	0.434	0.66
42	10:38	1.00	10.000	0.10	95.01	160.00	0.140	0.236	0.59
43	11:32	1.00	10.000	0.11	94.30	160.00	0.656	1.114	0.59
44	11:36	1.00	10.000	0.11	104.97	160.00	0.287	0.438	0.66
45	11:37	1.00	10.000	0.11	88.44	160.00	0.634	1.147	0.55
46	11:41	1.00	50.000	0.02	91.40	160.00	0.198	0.347	0.57
47	12:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	11:45	1.00	50.000	0.02	98.67	160.00	0.056	0.091	0.62
49	11:47	1.00	10.000	0.09	97.76	160.00	0.396	0.647	0.61
50	12:17	1.00	10.000	0.10	83.19	160.00	0.195	0.375	0.52
51	12:30	1.00	10.000	0.10	85.61	160.00	0.234	0.437	0.54
52	12:44	1.00	50.000	0.02	78.00	160.00	0.104	0.213	0.49

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	12:57	1.00	10.000	0.10	101.69	160.00	0.741	1.165	0.64
54	13:00	1.00	10.000	0.10	98.08	160.00	0.522	0.851	0.61
55	13:47	1.00	10.000	0.11	93.23	160.00	0.909	1.561	0.58
56	14:36	1.00	10.000	0.11	91.49	160.00	0.640	1.120	0.57
57	16:36	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	14:55	1.00	10.000	0.09	98.04	160.00	0.702	1.145	0.61
59	15:51	1.00	10.000	0.10	85.44	160.00	0.400	0.750	0.53
60	16:33	1.00	20.000	0.05	78.37	160.00	0.209	0.426	0.49
61	16:35	1.00	10.000	0.10	86.44	160.00	0.677	1.253	0.54
62	16:41	1.00	10.000	0.10	84.36	160.00	0.614	1.164	0.53
63	16:39	1.00	10.000	0.10	92.64	160.00	0.597	1.030	0.58
64	19:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	17:38	1.00	10.000	0.09	84.80	160.00	1.106	2.087	0.53
66	18:28	1.00	10.000	0.10	78.53	320.00	0.319	1.299	0.25
67	18:28	1.00	10.000	0.10	78.53	320.00	0.319	1.299	0.25
68	19:08	1.00	10.000	0.10	76.98	160.00	0.589	1.224	0.48
69	22:26	1.00	10.000	0.12	65.97	160.00	0.670	1.626	0.41
70	22:31	1.00	10.000	0.12	68.12	160.00	0.562	1.321	0.43
71	23:24	1.00	10.000	0.12	64.40	160.00	0.507	1.259	0.40
72	5:12	1.00	0.742	1.04	78.76	160.00	0.843	1.712	0.49
73	6:19	1.00	0.948	0.99	85.27	160.00	1.103	2.069	0.53
74	7:27	1.00	0.875	1.01	80.68	160.00	0.313	0.621	0.50
75	9:56	1.00	0.906	1.01	89.26	160.00	0.610	1.093	0.56
76	11:58	1.00	1.118	0.99	91.79	160.00	0.048	0.084	0.57
77	15:08	1.00	0.907	1.00	95.36	160.00	0.583	0.978	0.60
78	14:53	1.00	10.000	0.09	98.62	160.00	0.673	1.092	0.62
79	10:05	1.00	1.000	1.20	100.39	160.00	0.277	0.441	0.63

COMPUCHEM LABS

RIC

COMPUCHEM DATA: HL860213C15 SCANS 315 TO 1750

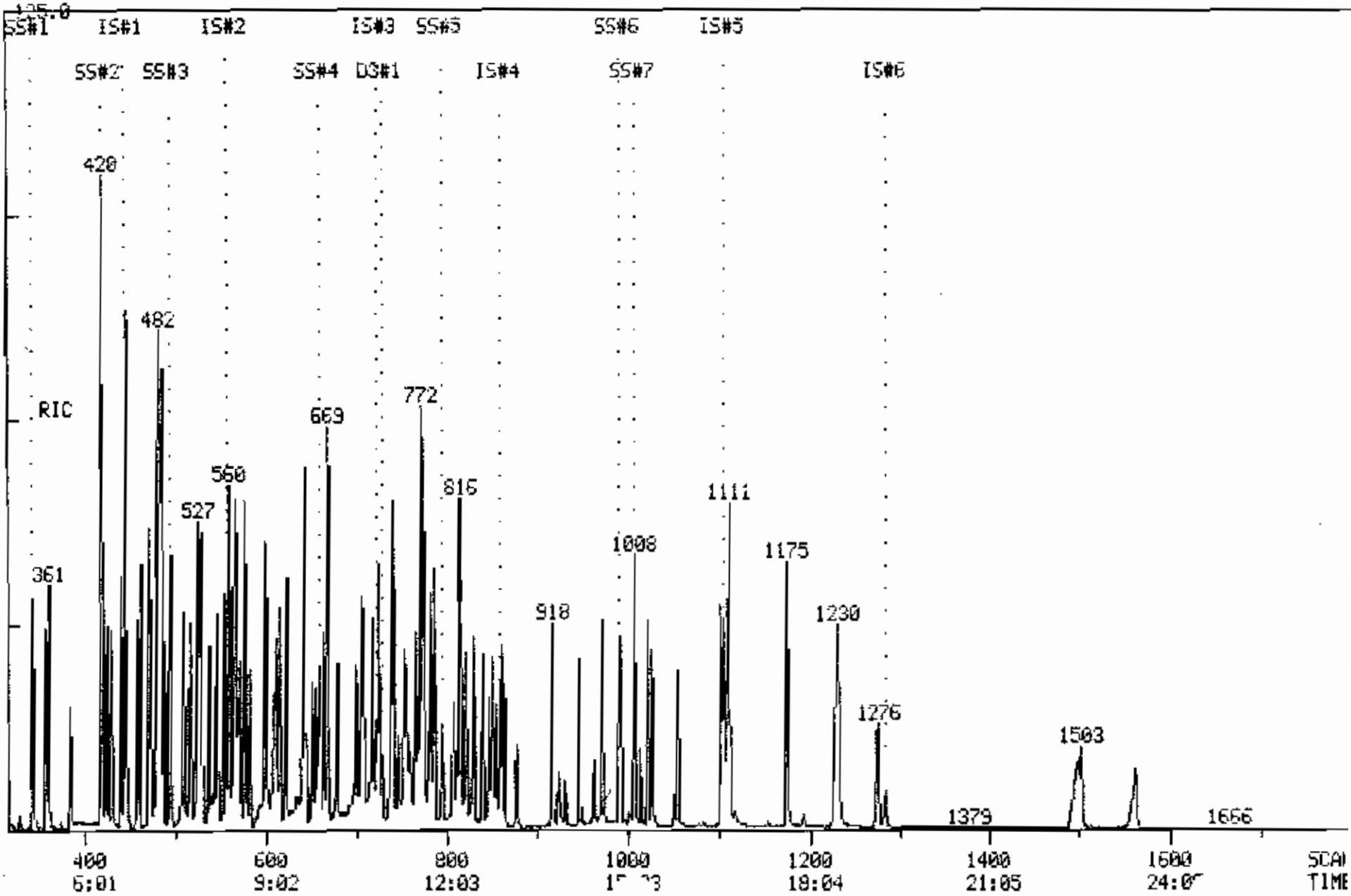
02/13/86 0:09:00

OUT OF 315 TO 1750

SAMPLE: 10L STD #2377 (16782+15649) 120NG.

120NG

CONDS.:



QUANTITATION REPORT FILE: HL860213C15

DATA: HL860213C15.TI
02/13/86 0:09:00
SAMPLE: 1UL STD #2377 (16782+16649) 120NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 619

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (Q1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
4	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
7	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
9	620 2-METHYLPHENOL (Q1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
11	622 4-METHYLPHENOL (Q1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
13	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
14	440 NITROBENZENE (Q1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (Q2#2) <78-59-1>
17	606 2-NITROPHENOL (Q2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
19	625 BENZOIC ACID (Q2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
23	439 NAPHTHALENE (Q2#9) <91-20-3>
24	475 4-CHLOROANILINE (Q2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
33	478 2-NITROANILINE (Q3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
35	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
36	479 3-NITROANILINE (Q3#9) <99-09-2>
37	401 ACENAPHTHENE (Q3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
39	607 4-NITROPHENOL (Q3#12) <100-02-7>
40	476 DIBENZOFURAN (Q3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
45	432 FLUORENE (Q3#18) <86-73-7>
46	480 4-NITROANILINE (Q3#19) <100-01-6>

NO	NAME
47	#467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
53	444 PHENANTHRENE (Q4#7) <85-01-8>
54	403 ANTHRACENE (Q4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
56	431 FLUORANTHENE (Q4#10) <206-44-0>
57	#459 D12-CHRYSENE (IS#5)
58	445 PYRENE (Q5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
63	418 CHRYSENE (Q5#8) <218-01-9>
64	#497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
68	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

A.C. 2/13/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	445	6:42	1	1.000	A BD	78116.	40.000	NG	0.42
2	94	421	6:20	1	0.946	A BB	598884.	120.923	NG	1.26
3	93	426	6:25	1	0.957	A VV	486672.	116.455	NG	1.22
4	128	430	6:28	1	0.966	A BV	380212.	116.424	NG	1.22
5	146	442	6:39	1	0.993	A BV	362328.	118.082	NG	1.23
6	146	447	6:44	1	1.004	A VB	372400.	118.255	NG	1.23
7	108	459	6:55	1	1.031	A BV	215808.	112.745	NG	1.18
8	146	463	6:58	1	1.040	A BB	345224.	119.165	NG	1.24
9	108	472	7:06	1	1.061	A VV	322012.	113.268	NG	1.18
10	45	473	7:07	1	1.063	A BV	1031130.	121.933	NG	1.27
11	108	484	7:17	1	1.088	A#VV	408264.	122.629	NG	1.28
12	70	485	7:18	1	1.090	A VB	443704.	112.883	NG	1.18
13	117	490	7:23	1	1.101	A BV	189448.	114.534	NG	1.20
14	77	497	7:29	1	1.117	A#VB	596923.	122.944	NG	1.28
15	136	558	8:24	15	1.000	A BB	264848.	40.000	NG	0.42
16	82	518	7:48	15	0.928	A VV	818612.	121.313	NG	1.27
17	139	525	7:54	15	0.941	A BB	192980.	110.442	NG	1.15
18	122	530	7:59	15	0.950	A VV	248116.	118.297	NG	1.23
19	122	543	8:10	15	0.973	A VV	120796.	74.076	NG	0.77
20	93	538	8:06	15	0.964	A BV	432868.	112.652	NG	1.18
21	162	547	8:14	15	0.980	A BV	234736.	115.670	NG	1.21

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	555	8:21	15	0.995	A BB	266300.	120.800	NG	1.26
23	128	560	8:26	15	1.004	A BV	852616.	123.765	NG	1.29
24	127	566	8:31	15	1.014	A VV	388728.	130.845	NG	1.37
25	225	578	8:42	15	1.036	A BB	138252.	114.126	NG	1.19
26	107	612	9:13	15	1.097	A VB	376204.	124.733	NG	1.30
27	142	624	9:24	15	1.118	A VV	462772.	121.474	NG	1.27
28	164	722	10:52	28	1.000	A BB	138064.	40.000	NG	0.42
29	237	645	9:43	28	0.893	A BB	113264.	112.990	NG	1.18
30	196	656	9:53	28	0.909	A*BB	~~209228~~/144144	187.098	NG	1.95
31	196	656	9:53	28	0.909	A*BB	~~289228~~/144144	292.629	NG	3.05
32	162	668	10:03	28	0.925	A VV	444080.	128.134	NG	1.34
33	65	680	10:14	28	0.942	A VB	299652.	116.788	NG	1.22
34	163	700	10:32	28	0.970	A*VB	524832.	138.950	NG	1.45
35	152	707	10:39	28	0.979	A BB	736300.	125.751	NG	1.31
36	138	~~680~~718	10:14	28	0.942	A VB	~~190584~~/60044	118.411	NG	1.24
37	153	725	10:55	28	1.004	A BB	438996.	115.159	NG	1.20
38	184	729	10:58	28	1.010	A BB	39208.	194.219	NG	2.03
39	139	737	11:06	28	1.021	A VV	161876.	106.604	NG	1.11
40	168	740	11:08	28	1.025	A BV	635212.	124.594	NG	1.30
41	89	742	11:10	28	1.028	A*VV	224180.	149.756	NG	1.56
42	165	705	10:37	28	0.976	A VB	111140.	136.472	NG	1.42
43	149	767	11:33	28	1.062	A VV	437832.	113.904	NG	1.19
44	204	772	11:37	28	1.069	A BB	214196.	141.750	NG	1.48
45	166	772	11:37	28	1.069	A VV	465844.	117.718	NG	1.23
46	138	776	11:41	28	1.075	A*VV	159304.	133.003	NG	1.39
47	188	859	12:56	47	1.000	A VV	186320.	40.000	NG	0.42
48	198	780	11:45	47	0.908	A VB	58316.	137.430	NG	1.43
49	169	783	11:47	47	0.912	A VB	388022.	128.661	NG	1.34
50	248	817	12:18	47	0.951	A VV	177708.	101.759	NG	1.06
51	284	831	12:31	47	0.967	A VB	220060.	108.199	NG	1.13
52	266	848	12:46	47	0.987	A VV	104888.	105.602	NG	1.10
53	178	861	12:58	47	1.002	A VV	610240.	112.424	NG	1.17
54	178	865	13:01	47	1.007	A VV	415832.	104.865	NG	1.09
55	149	918	13:49	47	1.069	A VV	834308.	114.758	NG	1.20
56	202	972	14:38	47	1.132	A VV	611480.	117.239	NG	1.22
57	240	1106	16:39	57	1.000	A VV	155208.	40.000	NG	0.42
58	202	993	14:57	57	0.898	A VV	568323.	127.915	NG	1.33
59	149	1055	15:53	57	0.954	A VB	352381.	121.154	NG	1.26
60	252	1102	16:35	57	0.996	A VV	195760.	118.478	NG	1.24
61	228	1105	16:38	57	0.999	A VV	576092.	118.536	NG	1.24
62	149	1111	16:44	57	1.005	A VV	529912.	117.305	NG	1.22
63	228	1109	16:38	57	0.999	A VV	576092.	144.108	NG	1.50
64	264	1284	19:20	64	1.000	A BV	136948.	40.000	NG	0.42
65	149	1175	17:41	64	0.915	A BV	957137.	133.961	NG	1.40
66	252	1231	18:32	64	0.959	A*BV	~~1164200~~/592106	261.776	NG	2.73
67	252	1231	18:32	64	0.959	A*BV	~~1164200~~/592104	261.776	NG	2.73
68	252	1276	19:13	64	0.994	A VV	503585.	120.160	NG	1.25
69	276	1496	22:31	64	1.165	A*VV	549751.	98.757	NG	1.03
70	278	1503	22:38	64	1.171	A BV	509552.	112.660	NG	1.18
71	276	1562	23:31	64	1.217	A BV	482440.	111.918	NG	1.17
72	112	344	5:11	1	0.773	A BV	378232.	113.143	NG	1.18
73	99	420	6:19	1	0.944	A VV	485320.	120.087	NG	1.25
74	82	495	7:27	15	0.887	A VV	477908.	116.298	NG	1.21
75	172	659	9:55	28	0.913	A BB	443156.	117.438	NG	1.23
76	141	796	11:59	28	1.102	A VV	39164.	134.430	NG	1.40
77	244	1008	15:10	57	0.911	A VV	468824.	123.564	NG	1.29

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	991	14:55	57	0.896	A VV	541860.	127.879	NG	1.33
79	216	669	10:04	15	1.199	A BB	~~401012.~~	137.198	NG	1.43

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:20	1.00	10.000	0.09	120.92	160.00	1.917	2.536	0.76
3	6:25	1.00	10.000	0.10	116.46	160.00	1.558	2.140	0.73
4	6:29	1.00	10.000	0.10	116.42	160.00	1.217	1.672	0.73
5	6:40	1.00	10.000	0.10	118.08	160.00	1.160	1.571	0.74
6	6:44	1.00	10.000	0.10	118.25	160.00	1.192	1.613	0.74
7	6:55	1.00	10.000	0.10	112.75	160.00	0.691	0.980	0.70
8	6:58	1.00	10.000	0.10	119.17	160.00	1.105	1.483	0.74
9	7:06	1.00	10.000	0.11	113.27	160.00	1.031	1.456	0.71
10	7:08	1.00	10.000	0.11	121.93	160.00	3.300	4.330	0.76
11	7:17	1.00	10.000	0.11	122.63	160.00	1.307	1.705	0.77
12	7:19	1.00	10.000	0.11	112.88	160.00	1.420	2.013	0.71
13	7:23	1.00	10.000	0.11	114.53	160.00	0.606	0.847	0.72
14	7:29	1.00	10.000	0.11	122.94	160.00	1.910	2.486	0.77
15	8:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:49	1.00	10.000	0.09	121.31	160.00	0.773	1.019	0.76
17	7:55	1.00	10.000	0.09	110.44	160.00	0.182	0.264	0.69
18	8:00	1.00	10.000	0.09	118.30	160.00	0.234	0.317	0.74
19	8:11	1.00	50.000	0.02	74.08	160.00	0.114	0.246	0.46
20	8:07	1.00	10.000	0.10	112.65	160.00	0.409	0.580	0.70
21	8:14	1.00	10.000	0.10	115.67	160.00	0.222	0.306	0.72
22	8:21	1.00	10.000	0.10	120.80	160.00	0.251	0.333	0.76
23	8:26	1.00	10.000	0.10	123.77	160.00	0.805	1.040	0.77
24	8:32	1.00	10.000	0.10	130.85	160.00	0.367	0.449	0.82
25	8:42	1.00	10.000	0.10	114.13	160.00	0.131	0.183	0.71
26	9:13	1.00	10.000	0.11	124.73	160.00	0.355	0.456	0.78
27	9:24	1.00	10.000	0.11	121.47	160.00	0.437	0.575	0.76
28	10:52	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:43	1.00	10.000	0.09	112.99	160.00	0.205	0.290	0.71
30	9:49	1.01	10.000	0.09	187.10	320.00	0.262	0.448	0.58
31	9:53	1.00	50.000	0.02	292.63	320.00	0.262	0.286	0.91
32	10:04	1.00	10.000	0.09	128.13	160.00	0.804	1.004	0.80
33	10:14	1.00	50.000	0.02	116.79	160.00	0.543	0.743	0.73
34	10:32	1.00	10.000	0.10	138.95	160.00	0.950	1.094	0.87
35	10:39	1.00	10.000	0.10	125.75	160.00	1.333	1.696	0.79
36	10:14	1.00	50.000	0.02	118.41	160.00	0.345	0.466	0.74
37	10:55	1.00	10.000	0.10	115.16	160.00	0.795	1.104	0.72
38	10:57	1.00	50.000	0.02	194.22	160.00	0.071	0.058	1.21
39	11:05	1.00	50.000	0.02	106.60	160.00	0.293	0.440	0.67
40	11:08	1.00	10.000	0.10	124.59	160.00	1.150	1.477	0.78
41	11:10	1.00	10.000	0.10	149.76	160.00	0.406	0.434	0.94
42	10:38	1.00	10.000	0.10	136.47	160.00	0.201	0.236	0.85
43	11:32	1.00	10.000	0.11	113.90	160.00	0.793	1.114	0.71
44	11:36	1.00	10.000	0.11	141.75	160.00	0.380	0.438	0.89
45	11:37	1.00	10.000	0.11	117.72	160.00	0.844	1.147	0.74
46	11:41	1.00	50.000	0.02	133.00	160.00	0.288	0.347	0.83
47	12:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	11:45	1.00	50.000	0.02	137.43	160.00	0.078	0.091	0.86
49	11:47	1.00	10.000	0.09	128.66	160.00	0.521	0.647	0.00
50	12:17	1.00	10.000	0.10	101.76	160.00	0.238	0.375	0.64
51	12:30	1.00	10.000	0.10	108.20	160.00	0.295	0.437	0.68
52	12:44	1.00	50.000	0.02	105.60	160.00	0.141	0.213	0.66

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	12:57	1.00	10.000	0.10	112.42	160.00	0.819	1.165	0.70
54	13:00	1.00	10.000	0.10	104.87	160.00	0.558	0.851	0.66
55	13:47	1.00	10.000	0.11	114.76	160.00	1.119	1.561	0.72
56	14:36	1.00	10.000	0.11	117.24	160.00	0.820	1.120	0.73
57	16:36	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	14:55	1.00	10.000	0.09	127.91	160.00	0.915	1.145	0.80
59	15:51	1.00	10.000	0.10	121.15	160.00	0.568	0.750	0.76
60	16:33	1.00	20.000	0.05	118.48	160.00	0.315	0.426	0.74
61	16:35	1.00	10.000	0.10	118.54	160.00	0.928	1.253	0.74
62	16:41	1.00	10.000	0.10	117.31	160.00	0.854	1.164	0.73
63	16:39	1.00	10.000	0.10	144.11	160.00	0.928	1.030	0.90
64	19:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	17:38	1.00	10.000	0.09	133.96	160.00	1.747	2.087	0.84
66	18:28	1.00	10.000	0.10	261.78	320.00	1.063	1.299	0.82
67	18:28	1.00	10.000	0.10	261.78	320.00	1.063	1.299	0.82
68	19:08	1.00	10.000	0.10	120.16	160.00	0.919	1.224	0.75
69	22:26	1.00	10.000	0.12	98.76	160.00	1.004	1.626	0.62
70	22:31	1.00	10.000	0.12	112.66	160.00	0.930	1.321	0.70
71	23:24	1.01	10.000	0.12	111.92	160.00	0.881	1.259	0.70
72	5:12	1.00	0.742	1.04	113.14	160.00	1.210	1.712	0.71
73	6:19	1.00	0.948	1.00	120.09	160.00	1.553	2.069	0.75
74	7:27	1.00	0.875	1.01	116.30	160.00	0.451	0.621	0.73
75	9:56	1.00	0.906	1.01	117.44	160.00	0.802	1.093	0.73
76	11:58	1.00	1.118	0.99	134.43	160.00	0.071	0.084	0.84
77	15:08	1.00	0.907	1.01	123.56	160.00	0.755	0.978	0.77
78	14:53	1.00	10.000	0.09	127.88	160.00	0.873	1.092	0.80
79	10:05	1.00	1.000	1.20	137.20	160.00	0.379	0.441	0.86

COMPUCHEM LABS

RIC

COMPUCHEM DATA: HJ860212B15 SCANS 315 TO 1700

02/12/86 22:28:00

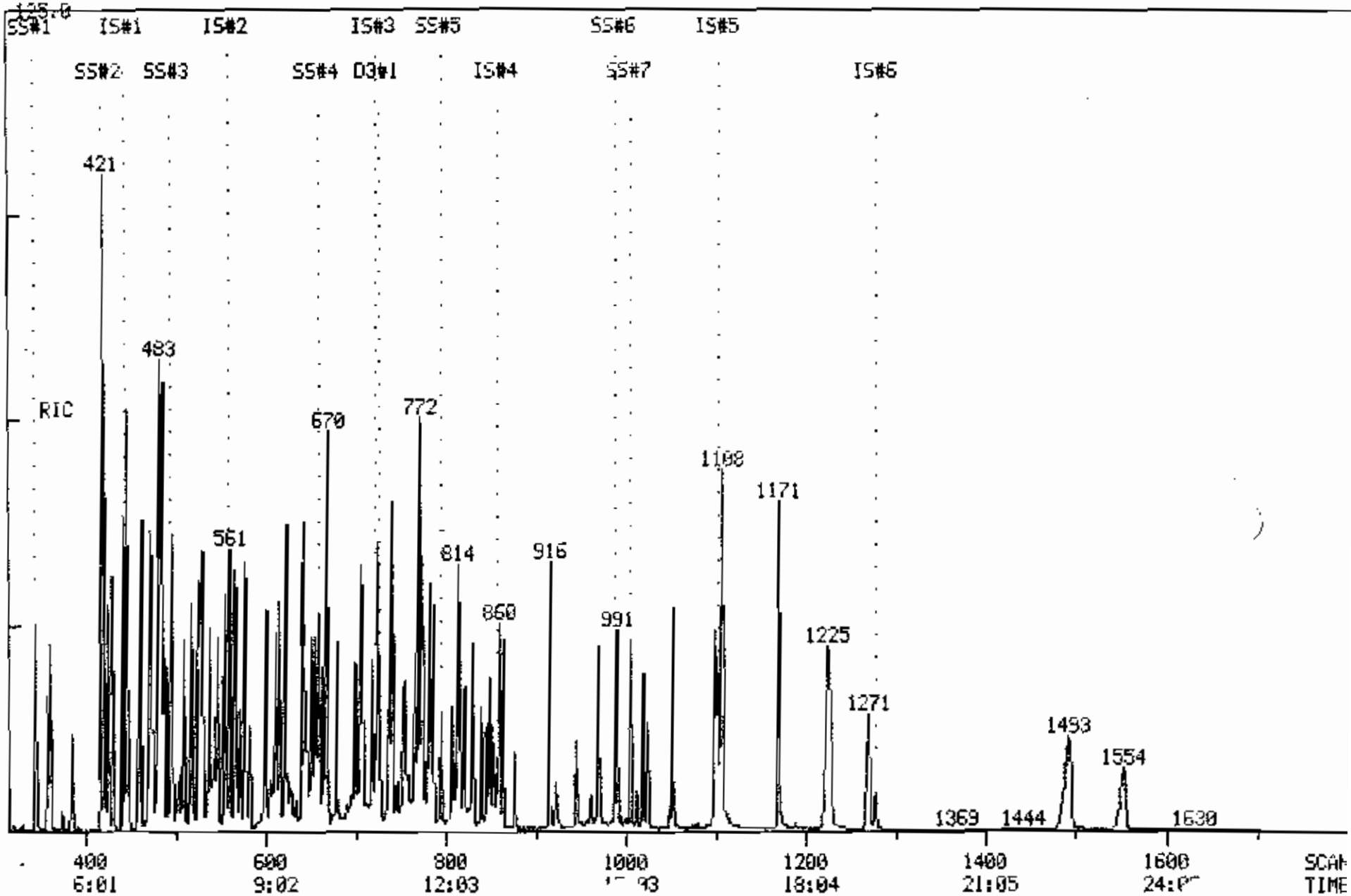
OUT OF 315 TO 1700

SAMPLE: 1 UL STD #2379 (18793 + 18839) - 152 NG.

CONDS.:

160

4623352



QUANTITATION REPORT FILE: HJ860212B15

DATA: HJ860212B15.TI
02/12/86 22:23:00
SAMPLE: 1 UL STD #2378 (16783 + 16639) - 160 NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (Q1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
4	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
7	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
9	620 2-METHYLPHENOL (Q1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
11	622 4-METHYLPHENOL (Q1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
13	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
14	440 NITROBENZENE (Q1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (Q2#2) <78-59-1>
17	606 2-NITROPHENOL (Q2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
19	625 BENZOIC ACID (Q2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
23	439 NAPHTHALENE (Q2#9) <91-20-3>
24	475 4-CHLOROANILINE (Q2#10) <106-47-8>
25	434 HEXACHLORODUTADIENE (Q2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
33	478 2-NITROANILINE (Q3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
35	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
36	479 3-NITROANILINE (Q3#9) <99-09-2>
37	401 ACENAPHTHENE (Q3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
39	607 4-NITROPHENOL (Q3#12) <100-02-7>
40	476 DIBENZOFURAN (Q3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
45	432 FLUORENE (Q3#18) <86-73-7>
46	480 4-NITROANILINE (Q3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
53	444 PHENANTHRENE (Q4#7) <85-01-8>
54	403 ANTHRACENE (Q4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
56	431 FLUORANTHENE (Q4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (Q5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
63	418 CHRYSENE (Q5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
68	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUORDBIFHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	446	6:43	1	1.000	A BB	84396.	40.000 NG	0.32
2	94	421	6:20	1	0.944	A BV	856124.	160.000 NG	1.27
3	93	426	6:25	1	0.955	A VV	722404.	160.000 NG	1.27
4	128	431	6:29	1	0.966	A BV	564528.	160.000 NG	1.27
5	146	443	6:40	1	0.993	A BV	530420.	160.000 NG	1.27
6	146	447	6:44	1	1.002	A VB	544368.	160.000 NG	1.27
7	108	459	6:55	1	1.029	A BV	330880.	160.000 NG	1.27
8	146	463	6:58	1	1.038	A BD	500788.	160.000 NG	1.27
9	108	472	7:06	1	1.058	A VV	491436.	160.000 NG	1.27
10	45	474	7:08	1	1.063	A BV	1461820.	160.000 NG	1.27
11	108	484	7:17	1	1.085	A VV	575504.	160.000 NG	1.27
12	70	486	7:19	1	1.090	A VV	679464.	160.000 NG	1.27
13	117	490	7:23	1	1.099	A BB	285928.	160.000 NG	1.27
14	77	497	7:29	1	1.114	A VV	839294.	160.000 NG	1.27
15	136	559	8:25	15	1.000	A BB	293052.	40.000 NG	0.32
16	82	519	7:49	15	0.928	A VV	1194640.	160.000 NG	1.27
17	139	526	7:55	15	0.941	A BB	309348.	160.000 NG	1.27
18	122	531	8:00	15	0.950	A VV	371320.	160.000 NG	1.27
19	122	544	8:11	15	0.973	A VV	288696.	160.000 NG	1.27
20	93	539	8:07	15	0.964	A VV	680272.	160.000 NG	1.27
21	162	547	8:14	15	0.979	A BB	359276.	160.000 NG	1.27

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	555	8:21	15	0.993	A BB	390276.	160.000	NG	1.27
23	128	560	8:26	15	1.002	A BV	1219610.	160.000	NG	1.27
24	127	567	8:32	15	1.014	A VV	525964.	160.000	NG	1.27
25	225	576	8:42	15	1.034	A BB	214464.	160.000	NG	1.27
26	107	612	9:13	15	1.095	A BV	533961.	160.000	NG	1.27
27	142	624	9:24	15	1.116	A VV	674452.	160.000	NG	1.27
28	164	722	10:52	28	1.000	A BB	154016.	40.000	NG	0.32
29	237	645	9:43	28	0.893	A BB	178920.	160.000	NG	1.27
30	196	652	9:49	28	0.903	A*DD	~~4525991~~ 262.457		NG	2.08
31	196	652	9:49	28	0.903	A*BB	~~4525991~~ 410.493		NG	3.26
32	162	669	10:04	28	0.927	A VV	616588.	160.000	NG	1.27
33	65	680	10:14	28	0.942	A*VV	457956.	160.000	NG	1.27
34	163	700	10:32	28	0.970	A VB	674168.	160.000	NG	1.27
35	152	707	10:39	28	0.979	A BB	1045080.	160.000	NG	1.27
36	138	~~680~~ 718	10:14	28	0.942	A VV	~~2872762~~ 160.000		NG	1.27
37	153	725	10:55	28	1.004	A*BV	680404.	160.000	NG	1.27
38	184	727	10:57	28	1.007	A VB	36032.	160.000	NG	1.27
39	139	736	11:05	28	1.019	A VV	271028.	160.000	NG	1.27
40	168	739	11:08	28	1.024	A*VV	909968.	160.000	NG	1.27
41	89	742	11:10	28	1.028	A VV	267188.	160.000	NG	1.27
42	165	706	10:38	28	0.978	A VB	145356.	160.000	NG	1.27
43	149	766	11:32	28	1.061	A VV	686076.	160.000	NG	1.27
44	204	771	11:36	28	1.068	A VB	269708.	160.000	NG	1.27
45	166	772	11:37	28	1.069	A VV	706324.	160.000	NG	1.27
46	138	776	11:41	28	1.075	A*VV	213781.	160.000	NG	1.27
47	188	858	12:55	47	1.000	A VV	178424.	40.000	NG	0.32
48	198	780	11:45	47	0.909	A*VV	65016.	160.000	NG	1.27
49	169	783	11:47	47	0.913	A VB	462088.	160.000	NG	1.27
50	248	816	12:17	47	0.951	A VB	267576.	160.000	NG	1.27
51	284	830	12:30	47	0.967	A VB	311624.	160.000	NG	1.27
52	266	846	12:44	47	0.986	A VV	152184.	160.000	NG	1.27
53	178	860	12:57	47	1.002	A VV	831680.	160.000	NG	1.27
54	178	864	13:00	47	1.007	A VV	607576.	160.000	NG	1.27
55	149	916	13:47	47	1.068	A VV	1113920.	160.000	NG	1.27
56	202	970	14:36	47	1.131	A VV	799144.	160.000	NG	1.27
57	240	1103	16:36	57	1.000	A VV	157080.	40.000	NG	0.32
58	202	991	14:55	57	0.898	A VV	719451.	160.000	NG	1.27
59	149	1053	15:51	57	0.955	A VV	470978.	160.000	NG	1.27
60	252	1099	16:33	57	0.996	A VV	267554.	160.000	NG	1.27
61	228	1102	16:35	57	0.999	A VV	786990.	160.000	NG	1.27
62	149	1108	16:41	57	1.005	A VV	731499.	160.000	NG	1.27
63	228	1106	16:39	57	1.003	A VB	647339.	160.000	NG	1.27
64	264	1278	19:14	64	1.000	A VV	161244.	40.000	NG	0.32
65	149	1171	17:38	64	0.916	A BV	1345990.	160.000	NG	1.27
66	252	1227	18:28	64	0.960	A*BV	~~1675620~~ 837810	320.000	NG	2.54
67	252	1227	18:28	64	0.960	A*BV	~~1675620~~ 837810	320.000	NG	2.54
68	252	1271	19:08	64	0.995	A VV	789517.	160.000	NG	1.27
69	276	1490	22:26	64	1.166	A*BV	1048680.	160.000	NG	1.27
70	278	1496	22:31	64	1.171	A BV	852052.	160.000	NG	1.27
71	276	1554	23:24	64	1.216	A*BV	812066.	160.000	NG	1.27
72	112	345	5:12	1	0.774	A BV	577872.	160.000	NG	1.27
73	99	420	6:19	1	0.942	A BV	698608.	160.000	NG	1.27
74	82	495	7:27	15	0.886	A VV	727511.	160.000	NG	1.27
75	172	660	9:56	28	0.914	A BV	673528.	160.000	NG	1.27
76	141	795	11:58	28	1.101	A VV	51999.	160.000	NG	1.27
77	244	1005	15:08	57	0.911	A VV	614392.	160.000	NG	1.27

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	989	14:53	57	0.897	A VV	686147.	160.000	NG	1.27
79	216	6706	10:05	15	1.199	A BB	~~514464~~ 517460.	160.000	NG	1.27

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:20	1.00	10.000	0.09	160.00	160.00	2.536	2.536	1.00
3	6:25	1.00	10.000	0.10	160.00	160.00	2.140	2.140	1.00
4	6:29	1.00	10.000	0.10	160.00	160.00	1.672	1.672	1.00
5	6:40	1.00	10.000	0.10	160.00	160.00	1.571	1.571	1.00
6	6:44	1.00	10.000	0.10	160.00	160.00	1.613	1.613	1.00
7	6:55	1.00	10.000	0.10	160.00	160.00	0.980	0.980	1.00
8	6:58	1.00	10.000	0.10	160.00	160.00	1.483	1.483	1.00
9	7:06	1.00	10.000	0.11	160.00	160.00	1.456	1.456	1.00
10	7:08	1.00	10.000	0.11	160.00	160.00	4.330	4.330	1.00
11	7:17	1.00	10.000	0.11	160.00	160.00	1.705	1.705	1.00
12	7:19	1.00	10.000	0.11	160.00	160.00	2.013	2.013	1.00
13	7:23	1.00	10.000	0.11	160.00	160.00	0.847	0.847	1.00
14	7:29	1.00	10.000	0.11	160.00	160.00	2.486	2.486	1.00
15	8:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:49	1.00	10.000	0.09	160.00	160.00	1.019	1.019	1.00
17	7:55	1.00	10.000	0.09	160.00	160.00	0.264	0.264	1.00
18	8:00	1.00	10.000	0.09	160.00	160.00	0.317	0.317	1.00
19	8:11	1.00	50.000	0.02	160.00	160.00	0.246	0.246	1.00
20	8:07	1.00	10.000	0.10	160.00	160.00	0.580	0.580	1.00
21	8:14	1.00	10.000	0.10	160.00	160.00	0.306	0.306	1.00
22	8:21	1.00	10.000	0.10	160.00	160.00	0.333	0.333	1.00
23	8:26	1.00	10.000	0.10	160.00	160.00	1.040	1.040	1.00
24	8:32	1.00	10.000	0.10	160.00	160.00	0.449	0.449	1.00
25	8:42	1.00	10.000	0.10	160.00	160.00	0.183	0.183	1.00
26	9:13	1.00	10.000	0.11	160.00	160.00	0.456	0.456	1.00
27	9:24	1.00	10.000	0.11	160.00	160.00	0.575	0.575	1.00
28	10:52	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:43	1.00	10.000	0.09	160.00	160.00	0.290	0.290	1.00
30	9:49	1.00	10.000	0.09	262.46	320.00	0.367	0.448	0.82
31	9:53	0.99	50.000	0.02	410.49	320.00	0.367	0.286	1.28
32	10:04	1.00	10.000	0.09	160.00	160.00	1.004	1.004	1.00
33	10:14	1.00	50.000	0.02	160.00	160.00	0.743	0.743	1.00
34	10:32	1.00	10.000	0.10	160.00	160.00	1.094	1.094	1.00
35	10:39	1.00	10.000	0.10	160.00	160.00	1.696	1.696	1.00
36	10:14	1.00	50.000	0.02	160.00	160.00	0.466	0.466	1.00
37	10:55	1.00	10.000	0.10	160.00	160.00	1.104	1.104	1.00
38	10:57	1.00	50.000	0.02	160.00	160.00	0.058	0.058	1.00
39	11:05	1.00	50.000	0.02	160.00	160.00	0.440	0.440	1.00
40	11:08	1.00	10.000	0.10	160.00	160.00	1.477	1.477	1.00
41	11:10	1.00	10.000	0.10	160.00	160.00	0.434	0.434	1.00
42	10:38	1.00	10.000	0.10	160.00	160.00	0.236	0.236	1.00
43	11:32	1.00	10.000	0.11	160.00	160.00	1.114	1.114	1.00
44	11:36	1.00	10.000	0.11	160.00	160.00	0.438	0.438	1.00
45	11:37	1.00	10.000	0.11	160.00	160.00	1.147	1.147	1.00
46	11:41	1.00	50.000	0.02	160.00	160.00	0.347	0.347	1.00
47	12:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	11:45	1.00	50.000	0.02	160.00	160.00	0.091	0.091	1.00
49	11:47	1.00	10.000	0.09	160.00	160.00	0.647	0.647	1.00
50	12:17	1.00	10.000	0.10	160.00	160.00	0.375	0.375	1.00
51	12:30	1.00	10.000	0.10	160.00	160.00	0.437	0.437	1.00
52	12:44	1.00	50.000	0.02	160.00	160.00	0.213	0.213	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	12:57	1.00	10.000	0.10	160.00	160.00	1.165	1.165	1.00
54	13:00	1.00	10.000	0.10	160.00	160.00	0.851	0.851	1.00
55	13:47	1.00	10.000	0.11	160.00	160.00	1.561	1.561	1.00
56	14:36	1.00	10.000	0.11	160.00	160.00	1.120	1.120	1.00
57	16:36	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	14:55	1.00	10.000	0.09	160.00	160.00	1.145	1.145	1.00
59	15:51	1.00	10.000	0.10	160.00	160.00	0.750	0.750	1.00
60	16:33	1.00	20.000	0.05	160.00	160.00	0.426	0.426	1.00
61	16:35	1.00	10.000	0.10	160.00	160.00	1.253	1.253	1.00
62	16:41	1.00	10.000	0.10	160.00	160.00	1.164	1.164	1.00
63	16:39	1.00	10.000	0.10	160.00	160.00	1.030	1.030	1.00
64	19:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	17:38	1.00	10.000	0.09	160.00	160.00	2.087	2.087	1.00
66	18:28	1.00	10.000	0.10	320.00	320.00	1.299	1.299	1.00
67	18:28	1.00	10.000	0.10	320.00	320.00	1.299	1.299	1.00
68	19:08	1.00	10.000	0.10	160.00	160.00	1.224	1.224	1.00
69	22:26	1.00	10.000	0.12	160.00	160.00	1.626	1.626	1.00
70	22:31	1.00	10.000	0.12	160.00	160.00	1.321	1.321	1.00
71	23:24	1.00	10.000	0.12	160.00	160.00	1.259	1.259	1.00
72	5:12	1.00	0.742	1.04	160.00	160.00	1.712	1.712	1.00
73	6:19	1.00	0.948	0.99	160.00	160.00	2.069	2.069	1.00
74	7:27	1.00	0.875	1.01	160.00	160.00	0.621	0.621	1.00
75	9:56	1.00	0.906	1.01	160.00	160.00	1.093	1.093	1.00
76	11:58	1.00	1.118	0.98	160.00	160.00	0.084	0.084	1.00
77	15:08	1.00	0.907	1.01	160.00	160.00	0.978	0.978	1.00
78	14:53	1.00	10.000	0.09	160.00	160.00	1.092	1.092	1.00
79	10:05	1.00	1.000	1.20	160.00	160.00	0.441	0.441	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune: 1806
Time Tune Expires: 0606
Shift(s): (A) ___ (B) ✓ (C) ___
Date: 2/12/86
Analysis Type: SW2

Run Log

REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #s, Disposition, Etc.)
	DH860212B15		2/12/86	16:19	DFTPP	—	1 µL	803		2940	7050 retune
	DI860212B15		2/12/86	:	DFTPP	—	1 µL	803		2940	7050 retune
	DJ860212B15		2/12/86	:	DFTPP	—	1 µL	803		2940	7050 retune
	DK860212B15		2/12/86	18:06	DFTPP	—	1 µL	803		2940	7050
	HG860212B15		2/12/86	18:38	std	—	1 µL	803		2940	2375-50 faint
	HH860212B15		2/12/86	19:29	std	—	1 µL	803		2940	2375-50 faint - much low
	major column maintenance performed										
	HI860212B15		2/12/86	21:30	std	—	1 µL	803		2940	2375-50 ng
	HJ860212B15		2/12/86	22:23	std	—	1 µL	803		2940	160 ng 2373
	HK860212B15		2/12/86	23:22	std	—	1 µL	803		2940	20 ng 2374
	HL860213C15		2/13/86	0:09	STD	120NG	1 µL	419		2940	2377
	HM860213C15		2/13/86	0:50	STD	80NG	1 µL	419		2940	2376
			/ /	:							
			/ /	:							
			/ /	:							
			/ /	:							
			/ /	:							
			/ /	:							
			/ /	:							
			/ /	:	NO SAMPLES						S.C. 2/13/86
			/ /	:							
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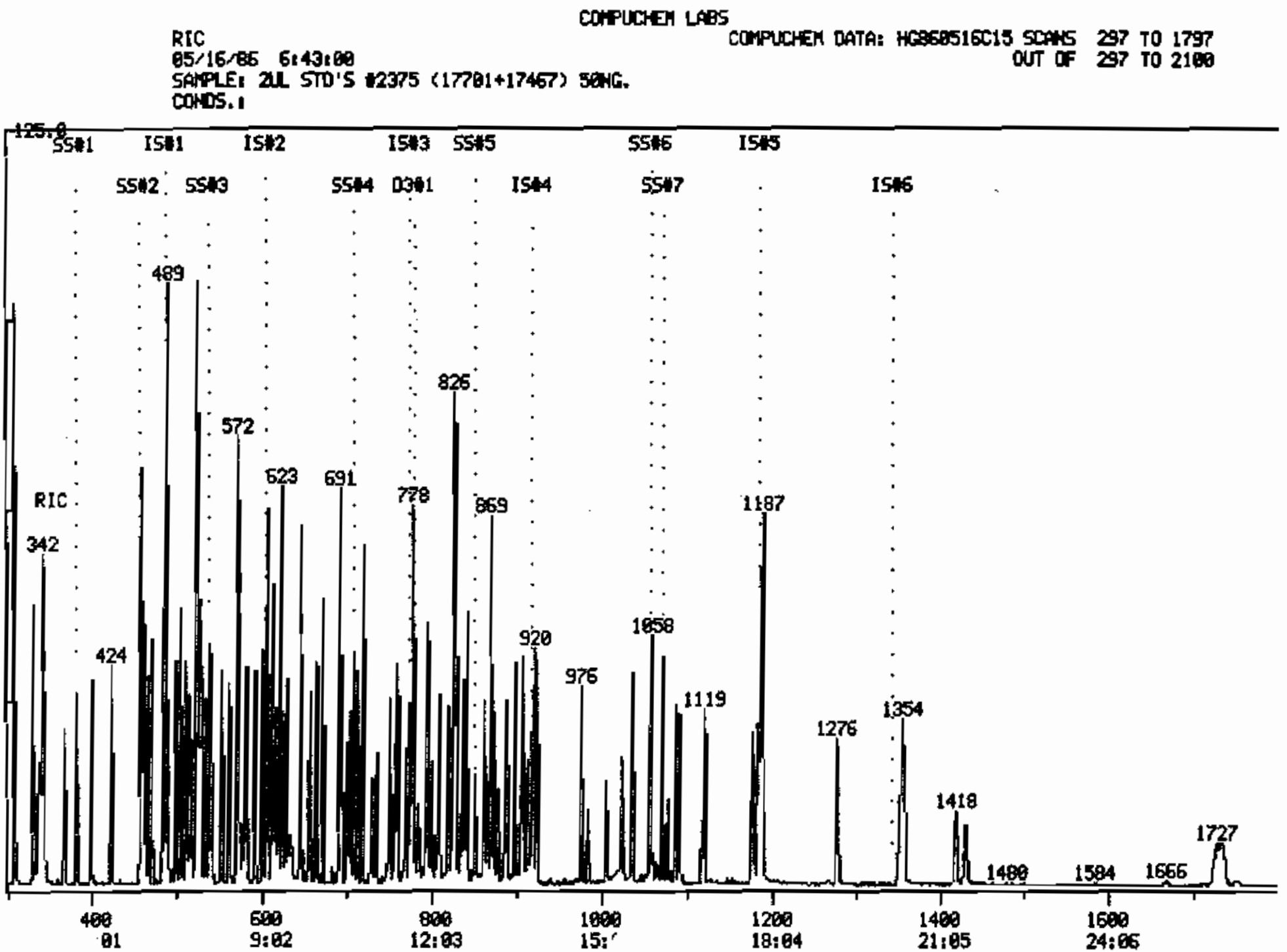
Press Hard ... iple Copies


COMPUCHEM LABS
RIC
05/16/86 6:43:00
SAMPLE: 2UL STD'S #2375 (17701+17467) 50NG.
CONDS.:
COMPUCHEM DATA: HG860516C15 SCANS 297 TO 1797
OUT OF 297 TO 2100
125.0
SS#1
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
RIC
342
424
489
572
623
691
778
826
869
920
976
1058
1119
1187
1276
1354
1418
1480
1584
1666
1727
400
01
600
9:02
800
12:03
1000
15:
1200
18:04
1400
21:05
1600
24:06

COMPUCHEM LABS

RIC

COMPUCHEM DATA: HG860516C15 SCANS 1797 TO 2100

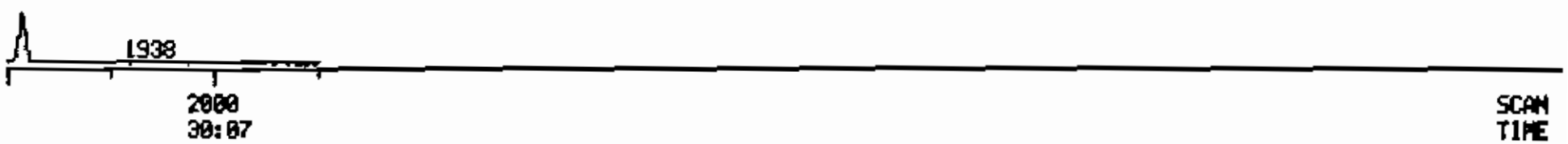
05/16/86 6:43:00

OUT OF 297 TO 2100

SAMPLE: 2UL STD'S @2375 (17701+17467) 50NG.

CONDS.:

1423350.



QUANTITATION REPORT FILE: HQ860516C15

\TA: HQ860516C15.TI
05/16/86 6:43:00
SAMPLE: 2UL STD'S #2375 (17701+17467) 50NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 619

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLORDISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

GQ 5/16/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	487	7:20	1	1.000	A BV	80292.	40.000	NG	1.03
2	94	458	6:54	1	0.940	A*BV	317648.	50.000	NG	1.29
3	93	~~466~~ 466	7:01	1	0.957	A VV 2/192	~~218922~~ 146571	50.000	NG	1.29
4	128	471	7:06	1	0.967	A BB	168464.	50.000	NG	1.29
5	146	484	7:17	1	0.994	A BV	159180.	50.000	NG	1.29
6	146	489	7:22	1	1.004	A*VB	165440.	50.000	NG	1.29
7	108	500	7:32	1	1.027	A BV	122568.	50.000	NG	1.29
8	146	505	7:36	1	1.037	A BB	153268.	50.000	NG	1.29
9	108	511	7:42	1	1.049	A VV	156488.	50.000	NG	1.29
10	45	515	7:45	1	1.057	A BV	369032.	50.000	NG	1.29
11	108	523	7:53	1	1.074	A*VV	180492.	50.000	NG	1.29
12	70	527	7:56	1	1.082	A VV	171364.	50.000	NG	1.29
13	117	534	8:03	1	1.097	A BB	83480.	50.000	NG	1.29
14	77	540	8:08	1	1.109	A*VB	226953.	50.000	NG	1.29
15	136	604	9:06	15	1.000	A BV	309736.	40.000	NG	1.03
16	82	561	8:27	15	0.929	A VV	390817.	50.000	NG	1.29
17	139	569	8:34	15	0.942	A BB	82504.	50.000	NG	1.29
18	122	572	8:37	15	0.947	A BV	132718.	50.000	NG	1.29
19	122	580	8:44	15	0.960	A VV	76989.	50.000	NG	1.29
20	93	581	8:45	15	0.962	A VB	209304.	50.000	NG	1.29
21	162	591	8:54	15	0.978	A BB	100816.	50.000	NG	1.29

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	600	9:02	15	0.993	A BB	113956.	50.000	NG	1.29
23	128	606	9:08	15	1.003	A VV	426756.	50.000	NG	1.29
24	127	611	9:12	15	1.012	A VV	165508.	50.000	NG	1.29
25	225	624	9:24	15	1.033	A*BB	56076.	50.000	NG	1.29
26	107	656	9:53	15	1.086	A BV	148292.	50.000	NG	1.29
27	142	672	10:07	15	1.113	A VV	242164.	50.000	NG	1.29
28	164	774	11:39	28	1.000	A BB	134164.	40.000	NG	1.03
29	237	694	10:27	28	0.897	A BB	54676.	50.000	NG	1.29
30	196	700	10:33	28	0.904	A BV	72176.	50.000	NG	1.29
31	196	704	10:36	28	0.910	A VB	63192.	50.000	NG	1.29
32	162	718	10:49	28	0.928	A VB	213716.	50.000	NG	1.29
33	65	730	11:00	28	0.943	A BB	104292.	50.000	NG	1.29
34	163	750	11:18	28	0.969	A BV	256712.	50.000	NG	1.29
35	152	759	11:26	28	0.981	A BB	338492.	50.000	NG	1.29
36	138	769	11:35	28	0.994	A*BV	72660.	50.000	NG	1.29
37	153	777	11:42	28	1.004	A BV	204624.	50.000	NG	1.29
38	184	779	11:44	28	1.006	A VV	18908.	50.000	NG	1.29
39	139	784	11:48	28	1.013	A VV	46168.	50.000	NG	1.29
40	168	793	11:57	28	1.025	A BV	295048.	50.000	NG	1.29
41	89	794	11:57	28	1.026	A VV	87533.	50.000	NG	1.29
42	165	756	11:23	28	0.977	A VB	57896.	50.000	NG	1.29
43	149	819	12:20	28	1.058	A*VB	224968.	50.000	NG	1.29
44	204	825	12:25	28	1.066	A BV	96688.	50.000	NG	1.29
45	166	826	12:26	28	1.067	A BV	211536.	50.000	NG	1.29
46	138	829	12:29	28	1.071	A*VV	64188.	50.000	NG	1.29
47	188	917	13:49	47	1.000	A BV	198608.	40.000	NG	1.03
48	198	834	12:34	47	0.909	A*VV	28376.	50.000	NG	1.29
49	169	837	12:36	47	0.913	A VV	160411.	50.000	NG	1.29
50	248	872	13:08	47	0.951	A BB	62588.	50.000	NG	1.29
51	284	888	13:22	47	0.968	A BB	77232.	50.000	NG	1.29
52	266	904	13:37	47	0.986	A*VV	41324.	50.000	NG	1.29
53	178	920	13:51	47	1.003	A VV	316412.	50.000	NG	1.29
54	178	924	13:55	47	1.008	A VB	231542.	50.000	NG	1.29
55	149	975	14:41	47	1.063	A VV	422145.	50.000	NG	1.29
56	202	1036	15:36	47	1.130	A VV	304734.	50.000	NG	1.29
57	240	1184	17:50	57	1.000	A VV	151016.	40.000	NG	1.03
58	202	1058	15:56	57	0.894	A VV	283983.	50.000	NG	1.29
59	149	1119	16:51	57	0.945	A BV	165152.	50.000	NG	1.29
60	252	1177	17:44	57	0.994	A BV	71868.	50.000	NG	1.29
61	228	1182	17:48	57	0.998	A VV	239995.	50.000	NG	1.29
62	149	1186	17:52	57	1.002	A VV	234093.	50.000	NG	1.29
63	228	1187	17:53	57	1.003	A VV	205441.	50.000	NG	1.29
64	264	1430	21:32	64	1.000	A BV	130801.	40.000	NG	1.03
65	149	1276	19:13	64	0.892	A BB	396012.	50.000	NG	1.29
66	252	1352	20:22	64	0.945	A BV	249879.	50.000	NG	1.29
67	252	1357	20:26	64	0.949	A VB	137308.	50.000	NG	1.29
68	252	1418	21:21	64	0.992	A BV	177662.	50.000	NG	1.29
69	276	1727	26:00	64	1.208	A BB	207034.	50.000	NG	1.29
70	278	1734	26:07	64	1.213	A BB	161890.	50.000	NG	1.29
71	276	1815	27:20	64	1.269	A BB	159456.	50.000	NG	1.29
72	112	381	5:44	1	0.782	A BV	186896.	50.000	NG	1.29
73	99	457	6:53	1	0.938	A VV	257956.	50.000	NG	1.29
74	82	538	8:06	15	0.891	A VB	208840.	50.000	NG	1.29
75	172	708	10:40	28	0.915	A BV	225008.	50.000	NG	1.29
76	141	851	12:49	28	1.099	A BV	16955.	50.000	NG	1.29
77	244	1071	16:08	57	0.905	A VV	185103.	50.000	NG	1.29

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1056	15:54	57	0.892	A VV	248362.	50.000	NG	1.29
79	216	719	10:50	15	1.190	A BB	95104.	50.000	NG	1.29

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:54	1.00	10.000	0.09	50.00	50.00	3.165	3.165	1.00
3	7:01	1.00	10.000	0.10	50.00	50.00	2.181	2.181	1.00
4	7:06	1.00	10.000	0.10	50.00	50.00	1.679	1.679	1.00
5	7:17	1.00	10.000	0.10	50.00	50.00	1.586	1.586	1.00
6	7:22	1.00	10.000	0.10	50.00	50.00	1.648	1.648	1.00
7	7:32	1.00	10.000	0.10	50.00	50.00	1.221	1.221	1.00
8	7:36	1.00	10.000	0.10	50.00	50.00	1.527	1.527	1.00
9	7:42	1.00	10.000	0.10	50.00	50.00	1.559	1.559	1.00
10	7:45	1.00	10.000	0.11	50.00	50.00	3.677	3.677	1.00
11	7:53	1.00	10.000	0.11	50.00	50.00	1.798	1.798	1.00
12	7:56	1.00	10.000	0.11	50.00	50.00	1.707	1.707	1.00
13	8:03	1.00	10.000	0.11	50.00	50.00	0.832	0.832	1.00
14	8:08	1.00	10.000	0.11	50.00	50.00	2.261	2.261	1.00
15	9:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:27	1.00	10.000	0.09	50.00	50.00	1.009	1.009	1.00
17	8:34	1.00	10.000	0.09	50.00	50.00	0.213	0.213	1.00
18	8:37	1.00	10.000	0.09	50.00	50.00	0.343	0.343	1.00
19	8:44	1.00	50.000	0.02	50.00	50.00	0.199	0.199	1.00
20	8:45	1.00	10.000	0.10	50.00	50.00	0.541	0.541	1.00
21	8:54	1.00	10.000	0.10	50.00	50.00	0.260	0.260	1.00
22	9:02	1.00	10.000	0.10	50.00	50.00	0.299	0.299	1.00
23	9:08	1.00	10.000	0.10	50.00	50.00	1.102	1.102	1.00
24	9:12	1.00	10.000	0.10	50.00	50.00	0.427	0.427	1.00
25	9:24	1.00	10.000	0.10	50.00	50.00	0.145	0.145	1.00
26	9:53	1.00	10.000	0.11	50.00	50.00	0.383	0.383	1.00
27	10:07	1.00	10.000	0.11	50.00	50.00	0.625	0.625	1.00
28	11:39	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:27	1.00	10.000	0.09	50.00	50.00	0.326	0.326	1.00
30	10:33	1.00	10.000	0.09	50.00	50.00	0.430	0.430	1.00
31	10:36	1.00	50.000	0.02	50.00	50.00	0.377	0.377	1.00
32	10:49	1.00	10.000	0.09	50.00	50.00	1.274	1.274	1.00
33	11:00	1.00	50.000	0.02	50.00	50.00	0.622	0.622	1.00
34	11:18	1.00	10.000	0.10	50.00	50.00	1.531	1.531	1.00
35	11:26	1.00	10.000	0.10	50.00	50.00	2.018	2.018	1.00
36	11:35	1.00	50.000	0.02	50.00	50.00	0.433	0.433	1.00
37	11:42	1.00	10.000	0.10	50.00	50.00	1.220	1.220	1.00
38	11:44	1.00	50.000	0.02	50.00	50.00	0.113	0.113	1.00
39	11:48	1.00	50.000	0.02	50.00	50.00	0.275	0.275	1.00
40	11:57	1.00	10.000	0.10	50.00	50.00	1.759	1.759	1.00
41	11:57	1.00	10.000	0.10	50.00	50.00	0.522	0.522	1.00
42	11:23	1.00	10.000	0.10	50.00	50.00	0.345	0.345	1.00
43	12:20	1.00	10.000	0.11	50.00	50.00	1.341	1.341	1.00
44	12:25	1.00	10.000	0.11	50.00	50.00	0.577	0.577	1.00
45	12:26	1.00	10.000	0.11	50.00	50.00	1.261	1.261	1.00
46	12:29	1.00	50.000	0.02	50.00	50.00	0.383	0.383	1.00
47	13:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:34	1.00	50.000	0.02	50.00	50.00	0.114	0.114	1.00
49	12:36	1.00	10.000	0.09	50.00	50.00	0.646	0.646	1.00
50	13:08	1.00	10.000	0.10	50.00	50.00	0.252	0.252	1.00
51	13:22	1.00	10.000	0.10	50.00	50.00	0.311	0.311	1.00
52	13:37	1.00	50.000	0.02	50.00	50.00	0.166	0.166	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	13:51	1.00	10.000	0.10	50.00	50.00	1.275	1.275	1.00
54	13:55	1.00	10.000	0.10	50.00	50.00	0.933	0.933	1.00
55	14:41	1.00	10.000	0.11	50.00	50.00	1.700	1.700	1.00
56	15:36	1.00	10.000	0.11	50.00	50.00	1.227	1.227	1.00
57	17:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:56	1.00	10.000	0.09	50.00	50.00	1.504	1.504	1.00
59	16:51	1.00	10.000	0.09	50.00	50.00	0.875	0.875	1.00
60	17:44	1.00	20.000	0.05	50.00	50.00	0.381	0.381	1.00
61	17:48	1.00	10.000	0.10	50.00	50.00	1.271	1.271	1.00
62	17:52	1.00	10.000	0.10	50.00	50.00	1.240	1.240	1.00
63	17:53	1.00	10.000	0.10	50.00	50.00	1.088	1.088	1.00
64	21:32	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:13	1.00	10.000	0.09	50.00	50.00	2.422	2.422	1.00
66	20:22	1.00	10.000	0.09	50.00	50.00	1.528	1.528	1.00
67	20:26	1.00	10.000	0.09	50.00	50.00	0.840	0.840	1.00
68	21:21	1.00	10.000	0.10	50.00	50.00	1.087	1.087	1.00
69	26:00	1.00	10.000	0.12	50.00	50.00	1.266	1.266	1.00
70	26:07	1.00	10.000	0.12	50.00	50.00	0.990	0.990	1.00
71	27:20	1.00	10.000	0.13	50.00	50.00	0.975	0.975	1.00
72	5:44	1.00	0.742	1.05	50.00	50.00	1.862	1.862	1.00
73	6:53	1.00	0.948	0.99	50.00	50.00	2.570	2.570	1.00
74	8:06	1.00	0.875	1.02	50.00	50.00	0.539	0.539	1.00
75	10:40	1.00	0.906	1.01	50.00	50.00	1.342	1.342	1.00
76	12:49	1.00	1.118	0.98	50.00	50.00	0.101	0.101	1.00
77	16:08	1.00	0.907	1.00	50.00	50.00	0.981	0.981	1.00
78	15:54	1.00	10.000	0.09	50.00	50.00	1.316	1.316	1.00
79	10:50	1.00	1.000	1.19	50.00	50.00	0.246	0.246	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 5:52
Time Tune Expires 17:52
Shift(s) (A) (B) (C)
Date 5/16/86
Analysis Type SEMI

Run Log

NEW Column

	REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disk No.	COMMENTS (STD I.D., Blk #s, Disposal)
1		DH860516C15		5/16/86	:	DFTPP		1ul	619		3117	7050
2		DI860516C15		5/16/86	5:52	DFTPP		1ul	619		3117	9000
3		H860516C15		5/16/86	6:43	STD	5046	1ul	619		[illegible]	7050
4		SCB60516A15		5/16/86	8:35	chem ck		1ul	740		[illegible]	
(5)		GH0848077A15		5/16/86	9:24	BF134	5898-1	1ul	740		3117	
(6)		GH085102A15		5/16/86	10:47	BLK-1	URSW	1ul	740		3117	
7		GH084994A15		5/16/86	:	SS	URSW	1ul	740		3117	orig
8		GH084995A15		5/16/86	13:05	SS	URSW	1[illegible]	[illegible]		3117	orig
9	RE	GH085001B15		5/16/86	:	orig	URS W	1[illegible]	[illegible]		3117	time [illegible] > 30 [illegible]
(10)		GH084994B15		5/16/86	16:05	A-sed.	URS W	1ul	803		3[illegible]	
11	RE	G5085001B15		5/16/86	16:49	orig.	URS W	1ul	803		3117	[illegible]
12	RE	GH084990B15		5/16/86	17:31	A-sed.	[illegible] W	1ul	803		3117	[illegible]
13				/ /	:							
14				/ /	:							
15				/ /	:							
16				/ /	:							
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26				/ /	:							

[illegible] 5/16/86

[illegible] 5/20/86 53[illegible]-35

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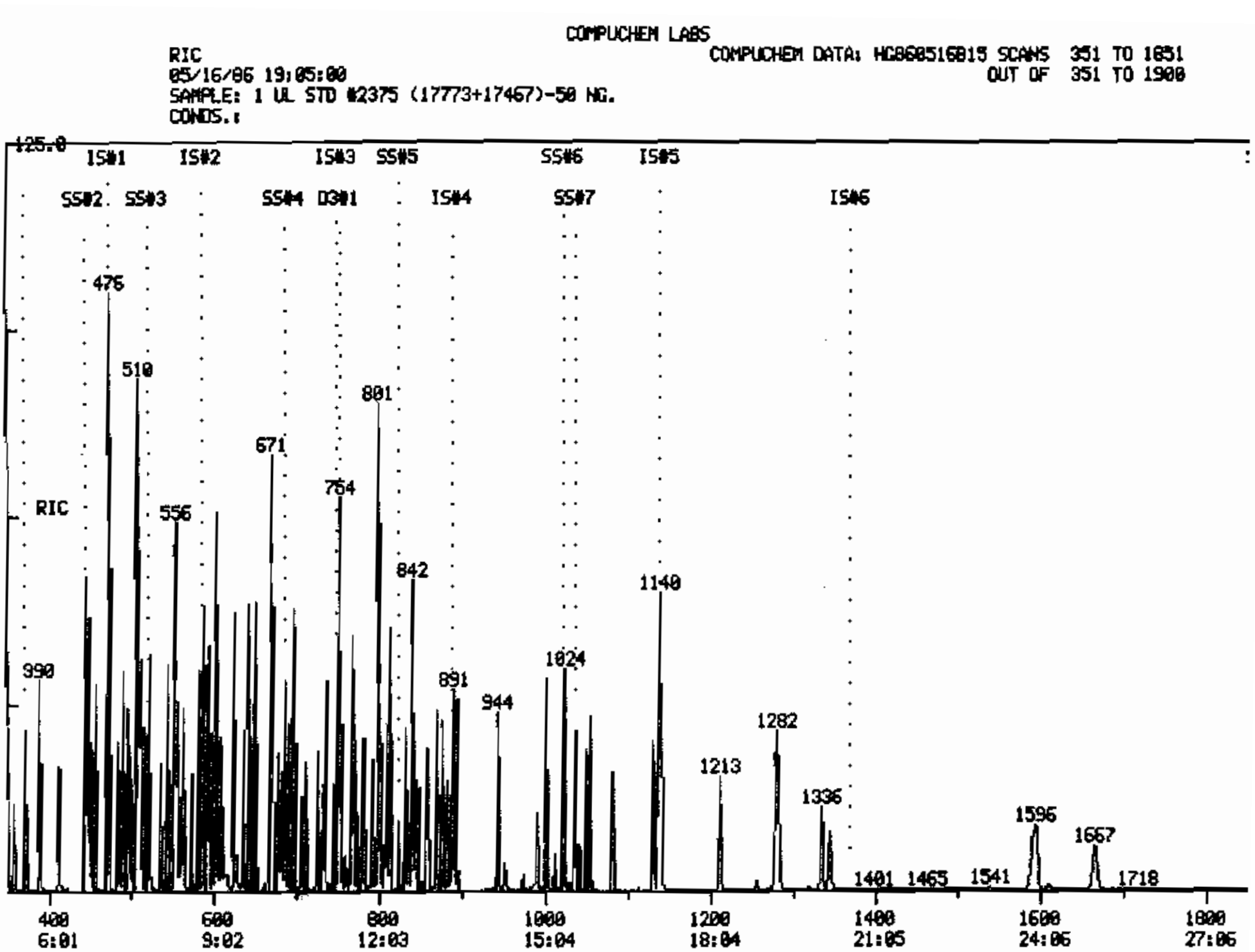
COMPUCHEM LABS
RIC
05/16/86 19:05:00
SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.
CONDS.:
COMPUCHEM DATA: MG860516B15 SCANS 351 TO 1651
OUT OF 351 TO 1900
125.0
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
RIC
476
510
556
671
764
801
842
891
944
990
1024
1140
1213
1282
1336
1401
1465
1541
1596
1667
1718
400
6:01
600
9:02
800
12:03
1000
15:04
1200
18:04
1400
21:05
1600
24:06
1800
27:06

COMPUCHEM LABS

RIC

COMPUCHEM DATA: HG860516B15 SCANS 1851 TO 1900

05/16/86 19:05:00

OUT OF 351 TO 1900

SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.

CONDS.:

1068790.

SCAN
TIME

QUANTITATION REPORT FILE: HG8605161

DATA: HG8605161B15.TI
05/16/86 19:05:00
SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORAHTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

J.D. McCarty 5/16/94

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		ZTOT
1	152	474	7:08	1	1.000	A BB	56576.	40.000	NG	1.00
2	94	446	6:43	1	0.941	A*BV	192512.	50.000	NG	1.25
3	93	453	6:49	1	0.956	A VV	155120.	50.000	NG	1.25
4	128	459	6:55	1	0.968	A BB	110884.	50.000	NG	1.25
5	146	471	7:06	1	0.994	A BV	118164.	50.000	NG	1.25
6	146	476	7:10	1	1.004	A VB	118016.	50.000	NG	1.25
7	108	486	7:19	1	1.025	A BV	62240.	50.000	NG	1.25
8	146	492	7:25	1	1.038	A BB	109844.	50.000	NG	1.25
9	108	497	7:29	1	1.049	A VV	106764.	50.000	NG	1.25
10	45	501	7:33	1	1.057	A BB	201688.	50.000	NG	1.25
11	108	509	7:40	1	1.074	A VV	110520.	50.000	NG	1.25
12	70	512	7:43	1	1.080	A VB	108652.	50.000	NG	1.25
13	117	519	7:49	1	1.095	A BB	55676.	50.000	NG	1.25
14	77	525	7:54	1	1.108	A*VV	152128.	50.000	NG	1.25
15	136	587	8:50	15	1.000	A BB	222968.	40.000	NG	1.00
16	82	546	8:13	15	0.930	A BV	278272.	50.000	NG	1.25
17	139	553	8:20	15	0.942	A BB	56132.	50.000	NG	1.25
18	122	556	8:22	15	0.947	A BV	99296.	50.000	NG	1.25
19	122	564	8:30	15	0.961	A VV	49660.	50.000	NG	1.25
20	93	565	8:31	15	0.963	A BB	138624.	50.000	NG	1.25
21	162	574	8:39	15	0.978	A BB	64900.	50.000	NG	1.25

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	583	8:47	15	0.993	A BB	79068.	50.000	NG	1.25
23	128	589	8:52	15	1.003	A BV	291536.	50.000	NG	1.25
24	127	594	8:57	15	1.012	A BB	119148.	50.000	NG	1.25
25	225	605	9:07	15	1.031	A*BB	43576.	50.000	NG	1.25
26	107	637	9:36	15	1.085	A*BV	132668.	50.000	NG	1.25
27	142	652	9:49	15	1.111	A BB	172332.	50.000	NG	1.25
28	164	751	11:19	28	1.000	A BB	92712.	40.000	NG	1.00
29	237	673	10:08	28	0.896	A BB	38424.	50.000	NG	1.25
30	196	683	10:17	28	0.909	A*BB	38696 77392.	100.000	NG	2.51
31	196	683	10:17	28	0.909	A*BB	38696 77392.	100.000	NG	2.51
32	162	697	10:30	28	0.928	A BB	148376.	50.000	NG	1.25
33	65	708	10:40	28	0.943	A BB	55104.	50.000	NG	1.25
34	163	727	10:57	28	0.968	A BB	166104.	50.000	NG	1.25
35	132	737	11:06	28	0.981	A BB	238180.	50.000	NG	1.25
36	138	746	11:14	28	0.993	A BB	40964.	50.000	NG	1.25
37	153	754	11:21	28	1.004	A BB	152976.	50.000	NG	1.25
38	184	756	11:23	28	1.007	A BB	12692.	50.000	NG	1.25
39	139	760	11:27	28	1.012	A*VV	27544.	50.000	NG	1.25
40	168	769	11:35	28	1.024	A BB	192204.	50.000	NG	1.25
41	89	770	11:36	28	1.025	A BV	54716.	50.000	NG	1.25
42	165	733	11:02	28	0.976	A BB	33488.	50.000	NG	1.25
43	149	793	11:57	28	1.056	A BV	171068.	50.000	NG	1.25
44	204	800	12:03	28	1.065	A BB	63904.	50.000	NG	1.25
45	166	801	12:04	28	1.067	A BB	148968.	50.000	NG	1.25
46	138	803	12:06	28	1.069	A VB	36976.	50.000	NG	1.25
47	188	889	13:23	47	1.000	A VV	117188.	40.000	NG	1.00
48	198	808	12:10	47	0.909	A BB	17144.	50.000	NG	1.25
49	169	811	12:13	47	0.912	A BB	101516.	50.000	NG	1.25
50	248	845	12:44	47	0.951	A BB	38252.	50.000	NG	1.25
51	284	860	12:57	47	0.967	A BB	58532.	50.000	NG	1.25
52	266	876	13:12	47	0.985	A VV	25872.	50.000	NG	1.25
53	178	891	13:25	47	1.002	A BV	205288.	50.000	NG	1.25
54	178	895	13:29	47	1.007	A VB	161940.	50.000	NG	1.25
55	149	944	14:13	47	1.062	A VV	268652.	50.000	NG	1.25
56	202	1003	15:06	47	1.128	A VV	191340.	50.000	NG	1.25
57	240	1139	17:09	57	1.000	A BB	100736.	40.000	NG	1.00
58	202	1024	15:25	57	0.899	A VV	194644.	50.000	NG	1.25
59	149	1083	16:19	57	0.951	A BV	99172.	50.000	NG	1.25
60	252	1133	17:04	57	0.995	A BB	56564.	50.000	NG	1.25
61	228	1137	17:07	57	0.998	A VV	170744.	50.000	NG	1.25
62	149	1140	17:10	57	1.001	A VV	156820.	50.000	NG	1.25
63	228	1142	17:12	57	1.003	A VV	155952.	50.000	NG	1.25
64	264	1345	20:15	64	1.000	A BB	106208.	40.000	NG	1.00
65	149	1213	18:16	64	0.902	A VV	257332.	50.000	NG	1.25
66	252	1279	19:16	64	0.951	A BV	180388.	50.000	NG	1.25
67	252	1284	19:20	64	0.955	A VB	117347.	50.000	NG	1.25
68	252	1336	20:07	64	0.993	A BV	156244.	50.000	NG	1.25
69	276	1593	23:59	64	1.184	A BB	186020.	50.000	NG	1.25
70	278	1597	24:03	64	1.187	A BB	148804.	50.000	NG	1.25
71	276	1667	25:06	64	1.239	A BB	152816.	50.000	NG	1.25
72	112	373	5:37	1	0.787	A BV	118912.	50.000	NG	1.25
73	99	445	6:42	1	0.939	A BV	162232.	50.000	NG	1.25
74	82	523	7:53	15	0.891	A VB	136384.	50.000	NG	1.25
75	172	687	10:21	28	0.915	A BB	153404.	50.000	NG	1.25
76	141	825	12:25	28	1.099	A BB	9688.	50.000	NG	1.25
77	244	1037	15:37	57	0.910	A VV	120468.	50.000	NG	1.25

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1023	15:24	57	0.898	A VV	156504.	50.000	NG	1.25
79	216	698	10:31	15	1.189	A BB	62416.	50.000	NG	1.25

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:08	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:43	1.00	10.000	0.09	50.00	50.00	2.722	2.722	1.00
3	6:49	1.00	10.000	0.10	50.00	50.00	2.193	2.193	1.00
4	6:55	1.00	10.000	0.10	50.00	50.00	1.568	1.568	1.00
5	7:06	1.00	10.000	0.10	50.00	50.00	1.671	1.671	1.00
6	7:10	1.00	10.000	0.10	50.00	50.00	1.669	1.669	1.00
7	7:19	1.00	10.000	0.10	50.00	50.00	0.880	0.880	1.00
8	7:25	1.00	10.000	0.10	50.00	50.00	1.553	1.553	1.00
9	7:29	1.00	10.000	0.10	50.00	50.00	1.510	1.510	1.00
10	7:33	1.00	10.000	0.11	50.00	50.00	2.852	2.852	1.00
11	7:40	1.00	10.000	0.11	50.00	50.00	1.563	1.563	1.00
12	7:43	1.00	10.000	0.11	50.00	50.00	1.536	1.536	1.00
13	7:49	1.00	10.000	0.11	50.00	50.00	0.787	0.787	1.00
14	7:54	1.00	10.000	0.11	50.00	50.00	2.151	2.151	1.00
15	8:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:13	1.00	10.000	0.09	50.00	50.00	0.998	0.998	1.00
17	8:20	1.00	10.000	0.09	50.00	50.00	0.201	0.201	1.00
18	8:22	1.00	10.000	0.09	50.00	50.00	0.356	0.356	1.00
19	8:30	1.00	50.000	0.02	50.00	50.00	0.178	0.178	1.00
20	8:31	1.00	10.000	0.10	50.00	50.00	0.497	0.497	1.00
21	8:39	1.00	10.000	0.10	50.00	50.00	0.233	0.233	1.00
22	8:47	1.00	10.000	0.10	50.00	50.00	0.284	0.284	1.00
23	8:52	1.00	10.000	0.10	50.00	50.00	1.046	1.046	1.00
24	8:57	1.00	10.000	0.10	50.00	50.00	0.427	0.427	1.00
25	9:07	1.00	10.000	0.10	50.00	50.00	0.156	0.156	1.00
26	9:36	1.00	10.000	0.11	50.00	50.00	0.476	0.476	1.00
27	9:49	1.00	10.000	0.11	50.00	50.00	0.618	0.618	1.00
28	11:19	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:08	1.00	10.000	0.09	50.00	50.00	0.332	0.332	1.00
30	10:17	1.00	10.000	0.09	100.00	100.00	0.334	0.334	1.00
31	10:17	1.00	50.000	0.02	100.00	100.00	0.334	0.334	1.00
32	10:30	1.00	10.000	0.09	50.00	50.00	1.280	1.280	1.00
33	10:40	1.00	50.000	0.02	50.00	50.00	0.475	0.475	1.00
34	10:57	1.00	10.000	0.10	50.00	50.00	1.433	1.433	1.00
35	11:06	1.00	10.000	0.10	50.00	50.00	2.055	2.055	1.00
36	11:14	1.00	50.000	0.02	50.00	50.00	0.353	0.353	1.00
37	11:21	1.00	10.000	0.10	50.00	50.00	1.320	1.320	1.00
38	11:23	1.00	50.000	0.02	50.00	50.00	0.110	0.110	1.00
39	11:27	1.00	50.000	0.02	50.00	50.00	0.238	0.238	1.00
40	11:35	1.00	10.000	0.10	50.00	50.00	1.659	1.659	1.00
41	11:36	1.00	10.000	0.10	50.00	50.00	0.472	0.472	1.00
42	11:02	1.00	10.000	0.10	50.00	50.00	0.289	0.289	1.00
43	11:57	1.00	10.000	0.11	50.00	50.00	1.476	1.476	1.00
44	12:03	1.00	10.000	0.11	50.00	50.00	0.551	0.551	1.00
45	12:04	1.00	10.000	0.11	50.00	50.00	1.285	1.285	1.00
46	12:06	1.00	50.000	0.02	50.00	50.00	0.319	0.319	1.00
47	13:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:10	1.00	50.000	0.02	50.00	50.00	0.117	0.117	1.00
49	12:13	1.00	10.000	0.09	50.00	50.00	0.693	0.693	1.00
50	12:44	1.00	10.000	0.10	50.00	50.00	0.261	0.261	1.00
51	12:57	1.00	10.000	0.10	50.00	50.00	0.400	0.400	1.00
52	13:12	1.00	50.000	0.02	50.00	50.00	0.177	0.177	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	13:25	1.00	10.000	0.10	50.00	50.00	1.401	1.401	1.00
54	13:29	1.00	10.000	0.10	50.00	50.00	1.106	1.106	1.00
55	14:13	1.00	10.000	0.11	50.00	50.00	1.834	1.834	1.00
56	15:06	1.00	10.000	0.11	50.00	50.00	1.306	1.306	1.00
57	17:09	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:25	1.00	10.000	0.09	50.00	50.00	1.546	1.546	1.00
59	16:19	1.00	10.000	0.10	50.00	50.00	0.788	0.788	1.00
60	17:04	1.00	20.000	0.05	50.00	50.00	0.449	0.449	1.00
61	17:07	1.00	10.000	0.10	50.00	50.00	1.356	1.356	1.00
62	17:10	1.00	10.000	0.10	50.00	50.00	1.245	1.245	1.00
63	17:12	1.00	10.000	0.10	50.00	50.00	1.238	1.238	1.00
64	20:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:16	1.00	10.000	0.09	50.00	50.00	1.938	1.938	1.00
66	19:16	1.00	10.000	0.10	50.00	50.00	1.359	1.359	1.00
67	19:20	1.00	10.000	0.10	50.00	50.00	0.884	0.884	1.00
68	20:07	1.00	10.000	0.10	50.00	50.00	1.177	1.177	1.00
69	23:59	1.00	10.000	0.12	50.00	50.00	1.401	1.401	1.00
70	24:03	1.00	10.000	0.12	50.00	50.00	1.121	1.121	1.00
71	25:06	1.00	10.000	0.12	50.00	50.00	1.151	1.151	1.00
72	5:37	1.00	0.742	1.06	50.00	50.00	1.681	1.681	1.00
73	6:42	1.00	0.948	0.99	50.00	50.00	2.294	2.294	1.00
74	7:53	1.00	0.875	1.02	50.00	50.00	0.489	0.489	1.00
75	10:21	1.00	0.906	1.01	50.00	50.00	1.324	1.324	1.00
76	12:25	1.00	1.118	0.98	50.00	50.00	0.084	0.084	1.00
77	15:37	1.00	0.907	1.00	50.00	50.00	0.957	0.957	1.00
78	15:24	1.00	10.000	0.09	50.00	50.00	1.243	1.243	1.00
79	10:31	1.00	1.000	1.19	50.00	50.00	0.224	0.224	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 1852
Time Tune Expires 0652
Shift(s) (A) (B) ✓ (C)
Date 5/16-17/86
Analysis Type 8270

	REJECTED	Run Log File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, E
1		DH860516B15		5/16/86	18:52	DFTPP	—	1 µL	803		3117	7050
2		H6860516B15		5/16/86	19:05	std	—	1 µL	803		3117	2375-50
3		SC860516B15		5/16/86	20:58	″	—	1 µL	803		3117	392
4		G2J85001B15		5/16/86	21:38	B-soil/sed	ARS W	1 µL	803		3117	
5		GJ084990B15		5/16/86	22:18	B soil	URS W	1 µL	803		3117	
6		G1105000B15		5/16/86	22:49	B soil	URS W	1 µL	803		3117	
7		GH085002A15		5/17/86	6:41	F-SEDIMENT	URS WEST	1 µL	876		3117	
8				/ /	:							
9				/ /	:							
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Verified

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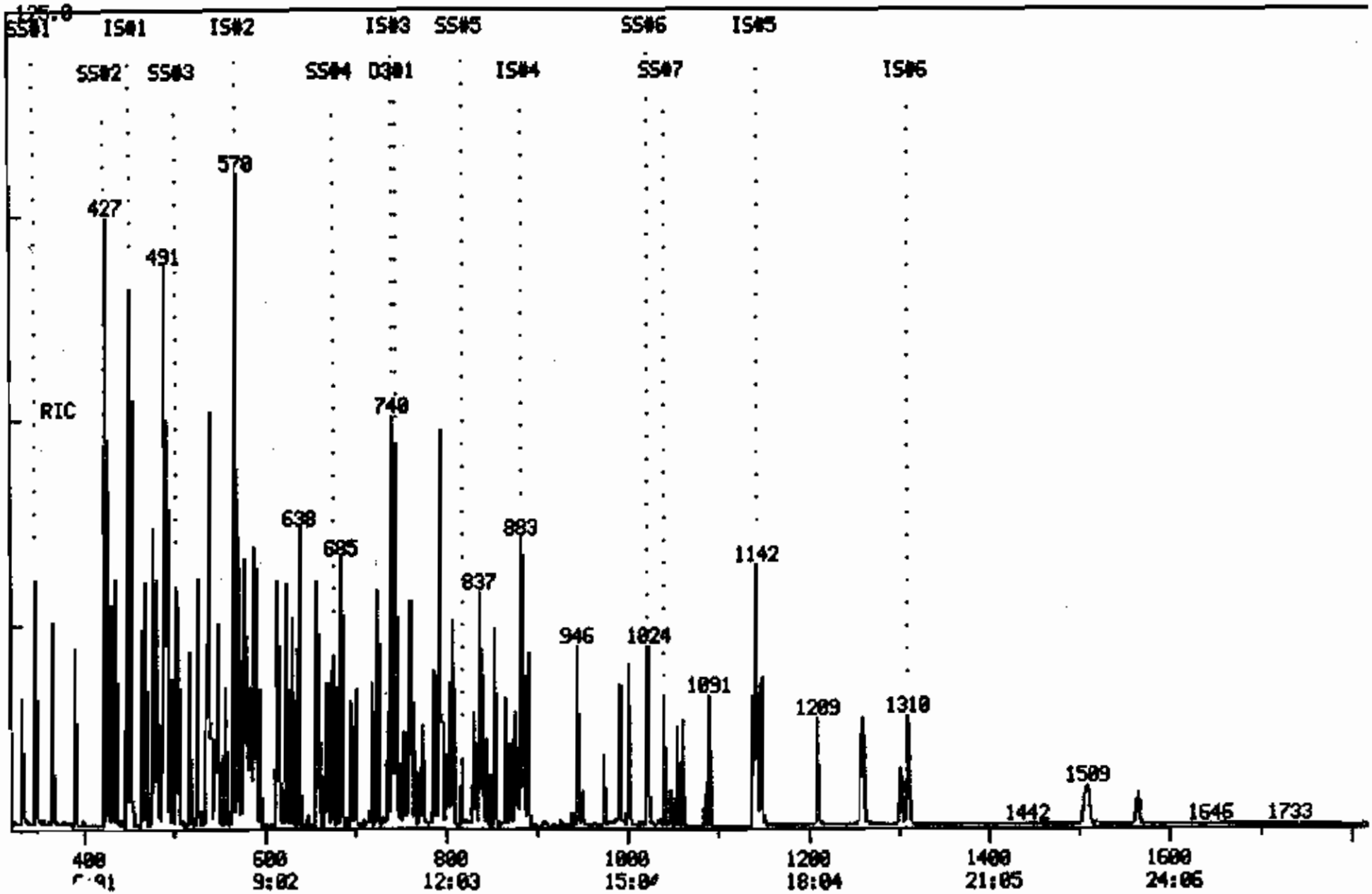
COMPUCHEM LABS

RIC
05/19/86 11:17:00
SAMPLE: 1 UL 20 LEVEL STD 2364 + 2369
CONDS.:

COMPUCHEM DATA: HI860519A15 SCANS 319 TO 1819
OUT OF 319 TO 2000



COMPUCHEM LABS

RIC
05/19/86 11:17:00
SAMPLE: 1 UL 20 LEVEL STD 2364 + 2369
CONDS.:

COMPUCHEM DATA: HI860519A15 SCANS 1819 TO 2000
OUT OF 319 TO 2000

1113590.

1917

2000
30:07

SCAN
TIME

QUANTITATION REPORT FILE: HI860519A15

DATA: HI860519A15.TI
5/19/86 11:17:00
SAMPLE: 1 UL 20 LEVEL STD 2364 + 2369
CONDS.:
SUBMITTED BY: 15 ANALYST: 577

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	&605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (B#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (B#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (B#4) <101-55-3>
51	433 HEXACHLOROBENZENE (B#5) <118-74-1>
52	609 PENTACHLOROPHENOL (B#6) <87-86-5>
53	444 PHENANTHRENE (B#7) <85-01-8>
54	403 ANTHRACENE (B#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (B#9) <84-74-2>
56	431 FLUORANTHENE (B#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (B#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (B#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (B#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (B#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (B#7) <117-81-7>
63	418 CHRYSENE (B#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (B#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (B#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (B#4) <207-08-9>
68	406 BENZO(A)PYRENE (B#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (B#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (B#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (B#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

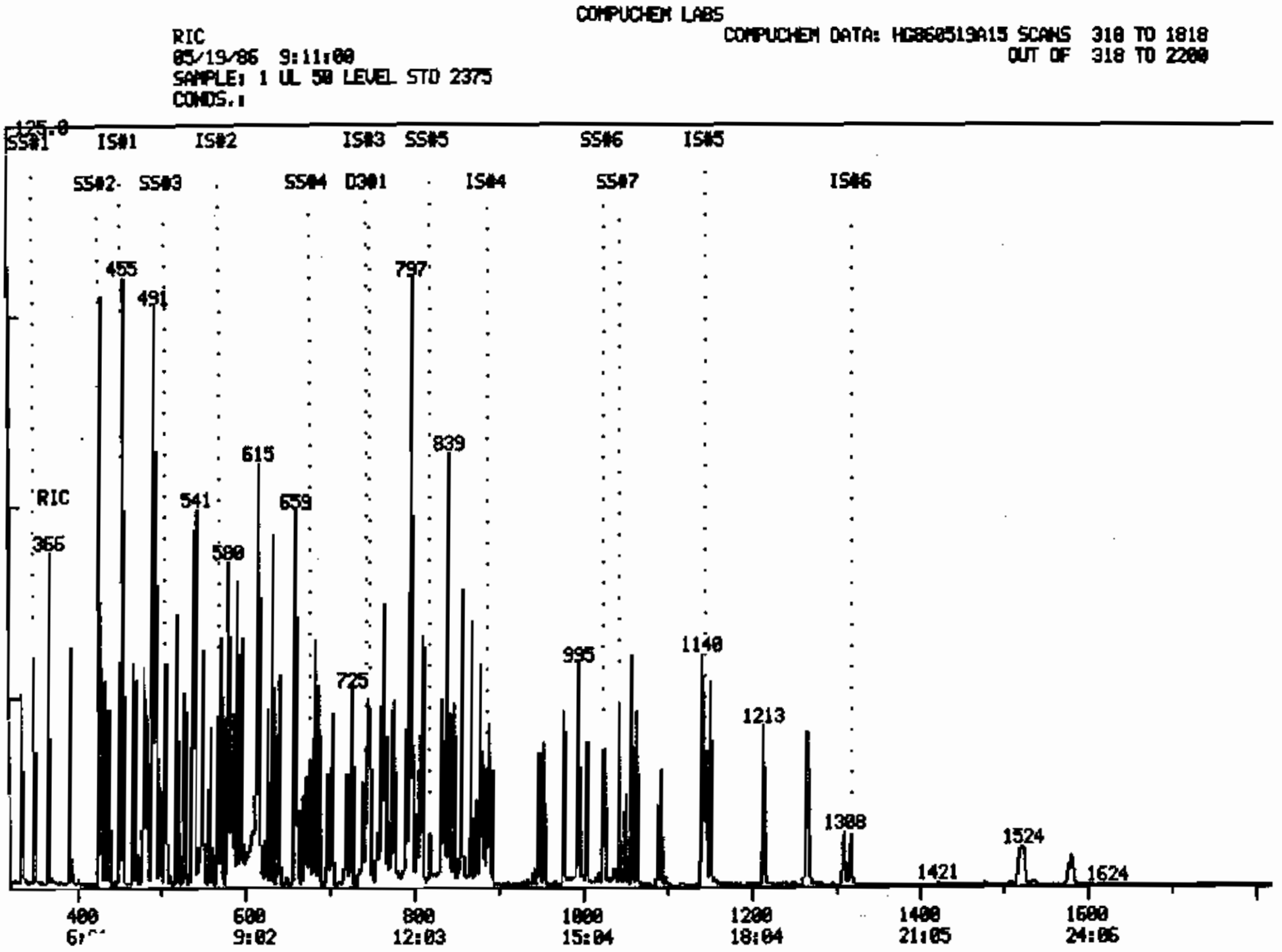
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	453	6:49	1	1.000	A BB	118812.	40.000	NG	2.40
2	94	426	6:29	1	0.940	A BV	214920.	20.272	NG	1.22
3	93	433	6:31	1	0.956	A VV	165244.	20.018	NG	1.20
4	128	437	6:35	1	0.965	A BB	105004.	20.105	NG	1.21
5	146	449	6:46	1	0.991	A BV	103216.	20.244	NG	1.22
6	146	454	6:50	1	1.002	A VB	103284.	19.722	NG	1.19
7	108	466	7:01	1	1.029	A BV	73240.	18.338	NG	1.11
8	146	471	7:06	1	1.040	A BB	98416.	20.395	NG	1.24
9	108	479	7:13	1	1.057	A VV	103576.	19.151	NG	1.15
10	45	482	7:16	1	1.064	A VV	336256.	18.789	NG	1.13
11	108	491	7:24	1	1.084	A*VV	107048.	17.504	NG	1.05
12	70	494	7:26	1	1.091	A VV	135908.	20.105	NG	1.21
13	117	499	7:31	1	1.102	A BB	52960.	19.422	NG	1.17
14	77	506	7:37	1	1.117	A VV	166240.	18.698	NG	1.12
15	136	570	8:35	15	1.000	A BV	473908.	40.000	NG	2.40
16	82	528	7:57	15	0.926	A BV	308392.	18.661	NG	1.12
17	139	536	8:04	15	0.940	A BB	42916.	16.644	NG	1.00
18	122	540	8:08	15	0.947	A VV	80628.	19.329	NG	1.17
19	122	548	8:15	15	0.961	A VV	53136.	16.035	NG	0.96
20	93	549	8:16	15	0.963	A BV	142760.	18.968	NG	1.14
21	162	557	8:23	15	0.977	A BV	51544.	18.657	NG	1.12

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	566	8:31	15	0.993	A BB	56256.	20.298	NG	1.22
23	128	572	8:37	15	1.004	A BV	273576.	20.928	NG	1.26
24	127	578	8:42	15	1.014	A BV	111736.	18.308	NG	1.10
25	225	590	8:53	15	1.035	A BB	23956.	22.942	NG	1.38
26	107	625	9:25	15	1.096	A BV	102096.	19.665	NG	1.18
27	142	638	9:36	15	1.119	A BB	144080.	20.984	NG	1.26
28	164	740	11:09	28	1.000	A BB	183132.	40.000	NG	2.40
29	237	661	9:57	28	0.893	A BB	16308.	15.989	NG	0.96
30	196	671	10:06	28	0.907	A VV	24880. 25192	16.847	NG	1.01
31	196	671	10:06	28	0.907	A VV	24880.	19.157	NG	1.15
32	162	684	10:18	28	0.924	A VV	116776.	20.576	NG	1.24
33	65	696	10:29	28	0.941	A BV	70032.	15.313	NG	0.92
34	163	718	10:49	28	0.970	A BB	129084.	18.848	NG	1.13
35	152	725	10:55	28	0.980	A BV	191980.	19.957	NG	1.20
36	138	736	11:05	28	0.995	A BV	35692.	15.350	NG	0.92
37	153	743	11:11	28	1.004	A BV	117084.	19.668	NG	1.18
38	184	746	11:14	28	1.008	A BB	7324.	12.131	NG	0.73
39	139	753	11:20	28	1.018	A BV	24444.	15.330	NG	0.92
40	168	759	11:26	28	1.026	A BV	144116.	19.400	NG	1.17
41	89	762	11:29	28	1.030	A*BV	56496.	15.543	NG	0.93
42	165	724	10:54	28	0.978	A BB	25124.	15.925	NG	0.96
43	149	787	11:51	28	1.064	A VV	138472.	21.446	NG	1.29
44	204	793	11:57	28	1.072	A BB	40420.	20.249	NG	1.22
45	166	792	11:56	28	1.070	A BB	114072.	18.522	NG	1.11
46	138	795	11:58	28	1.074	A BV	36108.	20.012	NG	1.20
47	188	883	13:18	47	1.000	A VV	214440.	40.000	NG	2.40
48	198	801	12:04	47	0.907	A VB	10456.	13.702	NG	0.82
49	169	804	12:06	47	0.911	A BB	75152.	17.552	NG	1.06
50	248	840	12:39	47	0.951	A BB	19112.	17.079	NG	1.03
51	284	854	12:52	47	0.967	A BB	23608.	18.229	NG	1.10
52	266	871	13:07	47	0.986	A BV	11632.	15.534	NG	0.93
53	178	885	13:20	47	1.002	A VV	140360.	16.634	NG	1.00
54	178	890	13:24	47	1.008	A VB	121860.	18.892	NG	1.14
55	149	946	14:15	47	1.071	A VV	214712.	16.602	NG	1.00
56	202	1002	15:05	47	1.135	A VV	124580.	18.547	NG	1.12
57	240	1142	17:12	57	1.000	A VV	130560.	40.000	NG	2.40
58	202	1024	15:25	57	0.897	A VV	123408.	20.093	NG	1.21
59	149	1091	16:26	57	0.955	A VB	82672.	18.187	NG	1.09
60	252	1138	17:08	57	0.996	A BV	22872.	14.626	NG	0.88
61	228	1141	17:11	57	0.999	A*VV	144882. 91276	34.895	NG	2.10
62	149	1148	17:17	57	1.005	A VV	112450.	17.056	NG	1.03
63	228	1141	17:11	57	0.999	A*VV	144882. 83308	36.897	NG	2.22
64	264	1310	19:44	64	1.000	A BV	112548.	40.000	NG	2.40
65	149	1209	18:12	64	0.923	A BV	175302.	17.229	NG	1.04
66	252	1257	18:56	64	0.960	A*BV	138744. 67772	39.763	NG	2.39
67	252	1257	18:56	64	0.960	A*BV	138744. 67772	39.763	NG	2.39
68	252	1302	19:36	64	0.994	A VV	66349.	19.993	NG	1.20
69	276	1307	22:42	64	1.150	A BB	68404.	17.626	NG	1.06
70	278	1311	22:45	64	1.153	A BV	57444.	18.308	NG	1.10
71	276	1369	23:34	64	1.195	A BB	57208.	17.668	NG	1.06
72	112	348	5:14	1	0.768	A BB	121644.	18.917	NG	1.14
73	99	425	6:24	1	0.938	A BV	172624.	19.216	NG	1.16
74	82	504	7:35	15	0.884	A VV	154240.	18.605	NG	1.12
75	172	675	10:10	28	0.912	A*BV	111068.	19.676	NG	1.18
76	141	817	12:18	28	1.104	A BB	9092.	18.015	NG	1.08
77	244	1040	15:40	57	0.911	A BV	61848.	18.614	NG	1.12

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1022	15:23	57	0.895	A VV	92264.	19.022	NG	1.14
79	216	686	10:20	15	1.204	A BB	37620.	21.306	NG	1.28

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:26	1.00	10.000	0.09	20.27	50.00	1.447	3.569	0.41
3	6:31	1.00	10.000	0.10	20.02	50.00	1.113	2.779	0.40
4	6:35	1.00	10.000	0.10	20.10	50.00	0.707	1.758	0.40
5	6:47	1.00	10.000	0.10	20.24	50.00	0.695	1.717	0.40
6	6:51	1.00	10.000	0.10	19.72	50.00	0.695	1.763	0.39
7	7:02	1.00	10.000	0.10	18.54	50.00	0.493	1.330	0.37
8	7:06	1.00	10.000	0.10	20.59	50.00	0.663	1.609	0.41
9	7:14	1.00	10.000	0.11	19.15	50.00	0.697	1.821	0.38
10	7:16	1.00	10.000	0.11	18.79	50.00	2.264	6.025	0.38
11	7:25	1.00	10.000	0.11	17.90	50.00	0.721	2.059	0.35
12	7:26	1.00	10.000	0.11	20.11	50.00	0.915	2.276	0.40
13	7:31	1.00	10.000	0.11	19.42	50.00	0.357	0.918	0.39
14	7:37	1.00	10.000	0.11	18.70	50.00	1.119	2.993	0.37
15	8:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:57	1.00	10.000	0.09	18.66	50.00	0.521	1.395	0.37
17	8:04	1.00	10.000	0.09	16.64	50.00	0.072	0.218	0.33
18	8:09	1.00	10.000	0.09	19.53	50.00	0.136	0.348	0.39
19	8:17	1.00	50.000	0.02	16.03	50.00	0.090	0.280	0.32
20	8:17	1.00	10.000	0.10	18.97	50.00	0.241	0.635	0.38
21	8:24	1.00	10.000	0.10	18.66	50.00	0.087	0.233	0.37
22	8:32	1.00	10.000	0.10	20.30	50.00	0.095	0.234	0.41
23	8:37	1.00	10.000	0.10	20.93	50.00	0.462	1.103	0.42
24	8:43	1.00	10.000	0.10	18.31	50.00	0.189	0.515	0.37
25	8:54	1.00	10.000	0.10	22.94	50.00	0.040	0.088	0.46
26	9:26	1.00	10.000	0.11	19.67	50.00	0.172	0.438	0.39
27	9:37	1.00	10.000	0.11	20.98	50.00	0.243	0.580	0.42
28	11:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:58	1.00	10.000	0.09	15.99	50.00	0.071	0.223	0.32
30	10:04	1.00	10.000	0.09	16.85	50.00	0.109	0.323	0.34
31	10:07	1.00	50.000	0.02	19.16	50.00	0.109	0.284	0.38
32	10:19	1.00	10.000	0.09	20.58	50.00	0.510	1.240	0.41
33	10:30	1.00	50.000	0.02	15.31	50.00	0.306	0.999	0.31
34	10:50	1.00	10.000	0.10	18.85	50.00	0.564	1.496	0.38
35	10:56	1.00	10.000	0.10	19.96	50.00	0.839	2.101	0.40
36	11:06	1.00	50.000	0.02	15.35	50.00	0.156	0.508	0.31
37	11:12	1.00	10.000	0.10	19.67	50.00	0.511	1.300	0.39
38	11:15	1.00	50.000	0.02	12.13	50.00	0.032	0.132	0.24
39	11:22	1.00	50.000	0.02	15.33	50.00	0.107	0.348	0.31
40	11:27	1.00	10.000	0.10	19.40	50.00	0.630	1.623	0.39
41	11:29	1.00	10.000	0.10	15.34	50.00	0.247	0.794	0.31
42	10:55	1.00	10.000	0.10	15.92	50.00	0.110	0.345	0.32
43	11:53	1.00	10.000	0.11	21.45	50.00	0.605	1.410	0.43
44	11:57	1.00	10.000	0.11	20.25	50.00	0.177	0.436	0.40
45	11:57	1.00	10.000	0.11	18.52	50.00	0.498	1.345	0.37
46	12:00	1.00	50.000	0.02	20.01	50.00	0.158	0.394	0.40
47	13:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:06	1.00	50.000	0.02	13.70	50.00	0.039	0.142	0.27
49	12:08	1.00	10.000	0.09	17.55	50.00	0.280	0.799	0.35
50	12:40	1.00	10.000	0.10	17.08	50.00	0.071	0.209	0.34
51	12:53	1.00	10.000	0.10	18.23	50.00	0.088	0.242	0.36
52	13:09	1.00	50.000	0.02	15.53	50.00	0.043	0.140	0.31

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
33	13:21	1.00	10.000	0.10	16.63	50.00	0.524	1.574	0.33
34	13:25	1.00	10.000	0.10	18.89	50.00	0.455	1.203	0.38
35	14:16	1.00	10.000	0.11	16.60	50.00	0.801	2.412	0.33
36	15:06	1.00	10.000	0.11	18.55	50.00	0.465	1.253	0.37
37	17:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
38	15:26	1.00	10.000	0.09	20.09	50.00	0.756	1.882	0.40
39	16:27	1.00	10.000	0.10	18.19	50.00	0.507	1.393	0.36
60	17:11	1.00	20.000	0.05	14.63	50.00	0.140	0.479	0.29
61	17:13	1.00	10.000	0.10	34.90	50.00	1.021	1.462	0.70
62	17:20	1.00	10.000	0.10	17.06	50.00	0.689	2.020	0.34
63	17:16	0.99	10.000	0.10	36.90	50.00	1.021	1.383	0.74
64	19:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:16	1.00	10.000	0.09	17.23	50.00	1.246	3.616	0.34
66	19:00	1.00	10.000	0.10	39.76	100.00	0.482	1.213	0.40
67	19:00	1.00	10.000	0.10	39.76	100.00	0.482	1.213	0.40
68	19:42	1.00	10.000	0.10	19.99	50.00	0.472	1.179	0.40
69	22:53	0.99	10.000	0.12	17.63	50.00	0.486	1.379	0.35
70	22:57	0.99	10.000	0.12	18.31	50.00	0.408	1.115	0.37
71	23:48	0.99	10.000	0.12	17.67	50.00	0.407	1.151	0.35
72	5:15	1.00	0.742	1.04	18.92	50.00	0.819	2.165	0.38
73	6:25	1.00	0.948	0.99	19.22	50.00	1.162	3.024	0.38
74	7:36	1.00	0.875	1.01	18.61	50.00	0.260	0.700	0.37
75	10:11	1.00	0.906	1.01	19.68	50.00	0.485	1.233	0.39
76	12:19	1.00	1.118	0.99	18.01	50.00	0.040	0.110	0.36
77	15:41	1.00	0.907	1.00	18.61	50.00	0.379	1.018	0.37
78	15:25	1.00	10.000	0.09	19.02	50.00	0.565	1.486	0.38
79	10:20	1.00	1.000	1.20	21.31	50.00	0.064	0.149	0.43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CONDS.:
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OUT OF 318 TO 2200
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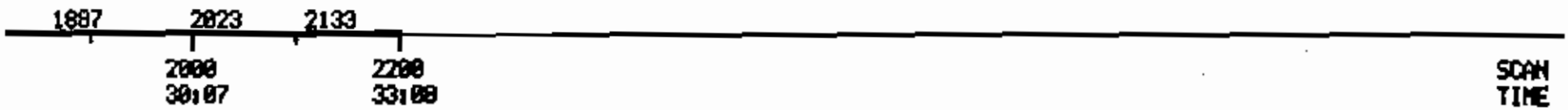
COMPUCHEM LABS

RIC
05/19/86 9:11:00
SAMPLE: 1 UL 50 LEVEL STD 2375
CONDS.:

COMPUCHEM DATA: HG860519A15 SCANS 1818 TO 2200
OUT OF 318 TO 2200

2851838.



QUANTITATION REPORT FILE: HQ860519A15

DATA: HQ860519A15.TI
05/19/86 9:11:00
SAMPLE: 1 UL 50 LEVEL STD 2375
CONDS.:
SUBMITTED BY: 15 ANALYST: 577

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	#605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

DQ 5/19/86

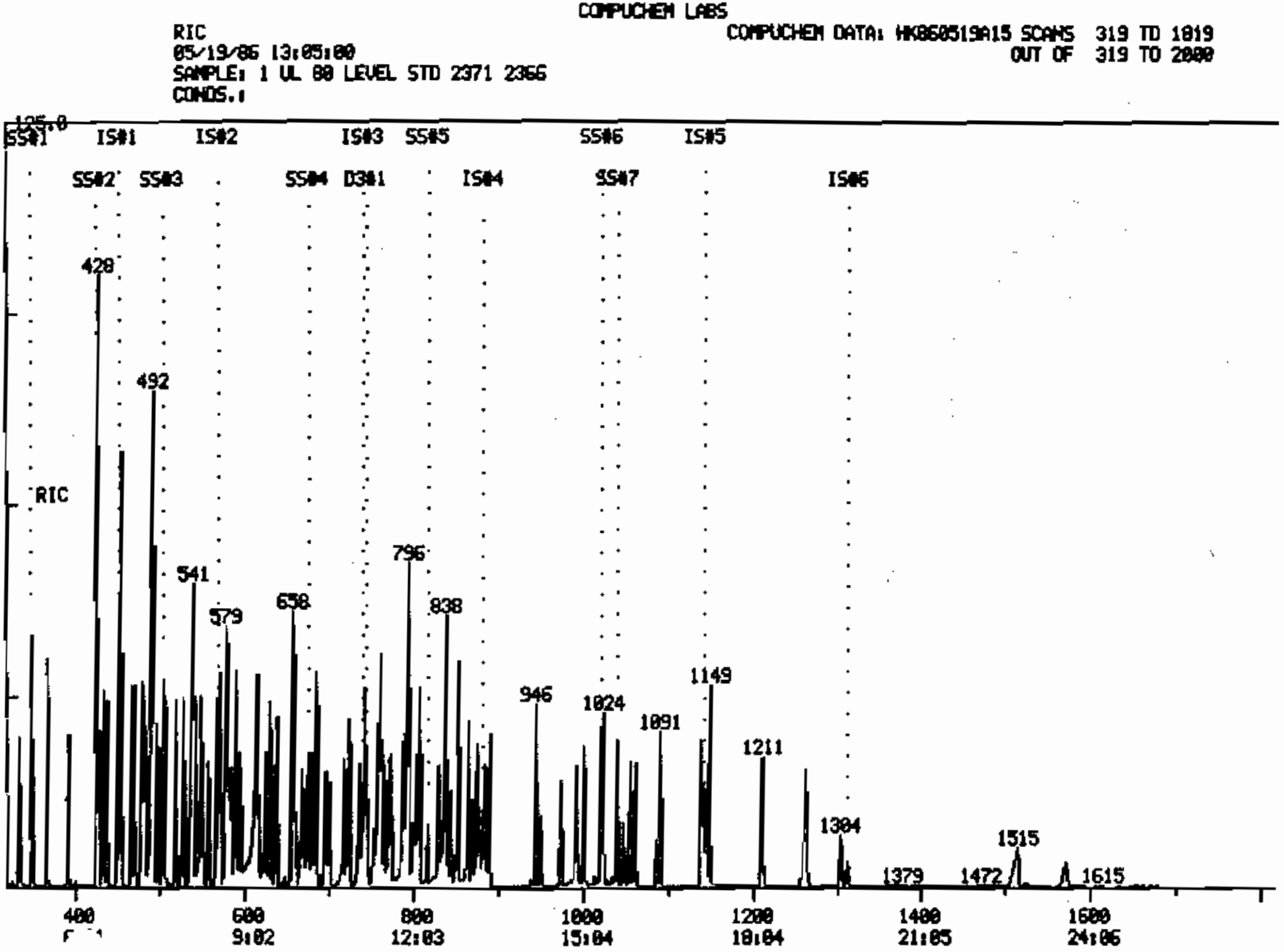
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	453	6:49	1	1.000	A BB	107496.	40.000	NG	0.98
2	94	427	6:26	1	0.943	A BV	479596.	46.755	NG	1.14
3	93	433	6:31	1	0.956	A VV	373432.	46.939	NG	1.15
4	128	437	6:35	1	0.965	A BV	236272.	46.836	NG	1.15
5	146	450	6:47	1	0.993	A BV	230648.	48.292	NG	1.18
6	146	455	6:51	1	1.004	A VB	236908.	50.929	NG	1.25
7	108	467	7:02	1	1.031	A BV	178724.	46.889	NG	1.15
8	146	471	7:06	1	1.040	A BB	216176.	48.526	NG	1.19
9	108	480	7:14	1	1.060	A VV	244668.	48.797	NG	1.19
10	45	482	7:16	1	1.064	A VV	809603.	46.745	NG	1.14
11	108	492	7:25	1	1.086	A#VV	276664.	47.947	NG	1.17
12	70	494	7:26	1	1.091	A VV	305800.	46.116	NG	1.13
13	117	499	7:31	1	1.102	A BV	123352.	47.354	NG	1.16
14	77	506	7:37	1	1.117	A VV	402196.	47.929	NG	1.17
15	136	570	8:35	15	1.000	A VV	430100.	40.000	NG	0.98
16	82	528	7:57	15	0.926	A VV	749902.	47.846	NG	1.17
17	139	536	8:04	15	0.940	A BB	117004.	48.639	NG	1.19
18	122	541	8:09	15	0.949	A VV	187349.	48.387	NG	1.18
19	122	550	8:17	15	0.965	A VV	150372.	59.649	NG	1.46
20	93	550	8:17	15	0.965	A VV	341532.	48.632	NG	1.19
21	162	558	8:24	15	0.979	A BB	125368.	49.279	NG	1.21

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	567	8:32	15	0.995	A BB	125768.	50.978	NG	1.25
23	128	572	8:37	15	1.004	A BV	593204.	48.694	NG	1.19
24	127	579	8:43	15	1.016	A VV	276940.	51.685	NG	1.27
25	225	591	8:54	15	1.037	A BB	47384.	47.956	NG	1.17
26	107	626	9:26	15	1.098	A BV	235587.	47.856	NG	1.17
27	142	639	9:37	15	1.121	A VB	311572.	47.727	NG	1.17
28	164	741	11:10	28	1.000	A BB	161636.	40.000	NG	0.98
29	237	662	9:58	28	0.893	A BB	45012.	52.584	NG	1.29
30	196	668	10:04	28	0.901	A BV	65172.	53.841	NG	1.32
31	196	672	10:07	28	0.907	A VB	57316.	47.351	NG	1.16
32	162	685	10:19	28	0.924	A VV	250460.	50.635	NG	1.24
33	65	697	10:30	28	0.941	A BV	201824.	49.398	NG	1.21
34	163	719	10:50	28	0.970	A BV	302236.	48.000	NG	1.18
35	152	726	10:56	28	0.980	A BV	424536.	49.774	NG	1.22
36	138	737	11:06	28	0.995	A BV	102612.	51.512	NG	1.26
37	153	744	11:12	28	1.004	A BB	262708.	48.334	NG	1.18
38	184	747	11:15	28	1.008	A BV	26644.	62.070	NG	1.52
39	139	755	11:22	28	1.019	A*VV	70366.	59.992	NG	1.46
40	168	760	11:27	28	1.026	A BV	327828.	50.268	NG	1.23
41	89	763	11:29	28	1.030	A*VV	160408.	47.802	NG	1.17
42	165	725	10:55	28	0.978	A BB	69624.	53.815	NG	1.32
43	149	789	11:53	28	1.065	A VV	284947.	40.756	NG	1.00
44	204	794	11:57	28	1.072	A*BB	88092.	49.225	NG	1.21
45	166	793	11:57	28	1.070	A VV	271792.	54.203	NG	1.33
46	138	797	12:00	28	1.076	A VV	79628.	56.024	NG	1.37
47	188	885	13:20	47	1.000	A VV	178840.	40.000	NG	0.98
48	198	803	12:06	47	0.907	A VV	31820.	65.444	NG	1.60
49	169	806	12:08	47	0.911	A VV	178546.	64.863	NG	1.59
50	248	841	12:40	47	0.950	A*BB	46664.	56.749	NG	1.39
51	284	855	12:53	47	0.966	A BB	54004.	55.818	NG	1.37
52	266	873	13:09	47	0.986	A VV	31224.	56.834	NG	1.39
53	178	887	13:21	47	1.002	A VV	351864.	55.536	NG	1.36
54	178	891	13:25	47	1.007	A VV	268972.	60.485	NG	1.48
55	149	947	14:16	47	1.070	A VV	539296.	55.793	NG	1.37
56	202	1003	15:06	47	1.133	A VV	280098.	58.084	NG	1.42
57	240	1145	17:15	57	1.000	A VV	119368.	40.000	NG	0.98
58	202	1025	15:26	57	0.895	A VV	280767.	48.496	NG	1.19
59	149	1092	16:27	57	0.954	A VV	207799.	48.944	NG	1.20
60	252	1141	17:11	57	0.997	A BV	71488.	62.079	NG	1.52
61	228	1143	17:13	57	0.998	A BV	218187.	52.984	NG	1.30
62	149	1151	17:20	57	1.005	A VV	301389.	48.156	NG	1.18
63	228	1147	17:16	57	1.002	A VV	206353.	56.889	NG	1.39
64	264	1316	19:49	64	1.000	A BV	120856.	40.000	NG	0.98
65	149	1213	18:16	64	0.922	A BV	546297.	43.286	NG	1.06
66	252	1262	19:00	64	0.959	A*BV	~~366888~~ 113292	97.663	NG	2.39
67	252	1262	19:00	64	0.959	A*BV	~~366888~~ 113292	97.663	NG	2.39
68	252	1308	19:42	64	0.994	A VV	178178.	51.286	NG	1.26
69	276	1320	22:53	64	1.155	A BV	208371.	55.894	NG	1.37
70	278	1324	22:57	64	1.158	A BV	168460.	57.003	NG	1.40
71	276	1380	23:48	64	1.201	A BV	173844.	58.829	NG	1.44
72	112	349	5:15	1	0.770	A BV	290892.	47.378	NG	1.16
73	99	426	6:25	1	0.940	A BV	406380.	47.049	NG	1.15
74	82	505	7:36	15	0.886	A VV	376190.	48.891	NG	1.20
75	172	676	10:11	28	0.912	A BV	249112.	50.779	NG	1.24
76	141	818	12:19	28	1.104	A VB	22273.	47.395	NG	1.16
77	244	1041	15:41	57	0.909	A VV	151888.	50.421	NG	1.23

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1024	15:29	57	0.894	A VV	221732.	48.002	NG	1.18
79	216	696	10:20	15	1.204	A BB	80124.	52.880	NG	1.29

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:25	1.00	10.000	0.09	46.75	50.00	3.569	3.817	0.94
3	6:30	1.00	10.000	0.10	46.94	50.00	2.779	2.960	0.94
4	6:34	1.00	10.000	0.10	46.84	50.00	1.758	1.877	0.94
5	6:46	1.00	10.000	0.10	48.29	50.00	1.717	1.777	0.97
6	6:49	1.00	10.000	0.10	50.93	50.00	1.763	1.731	1.02
7	7:01	1.00	10.000	0.10	46.89	50.00	1.330	1.418	0.94
8	7:05	1.00	10.000	0.10	48.53	50.00	1.609	1.658	0.97
9	7:13	1.00	10.000	0.11	48.80	50.00	1.821	1.866	0.98
10	7:15	1.00	10.000	0.11	46.74	50.00	6.025	6.445	0.93
11	7:24	1.00	10.000	0.11	47.95	50.00	2.059	2.147	0.96
12	7:25	1.00	10.000	0.11	46.12	50.00	2.276	2.467	0.92
13	7:30	1.00	10.000	0.11	47.35	50.00	0.918	0.969	0.95
14	7:36	1.00	10.000	0.11	47.93	50.00	2.993	3.123	0.96
15	8:34	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:56	1.00	10.000	0.09	47.85	50.00	1.395	1.458	0.96
17	8:03	1.00	10.000	0.09	48.64	50.00	0.218	0.224	0.97
18	8:07	1.00	10.000	0.09	48.39	50.00	0.348	0.360	0.97
19	8:16	1.00	50.000	0.02	59.65	50.00	0.280	0.234	1.19
20	8:15	1.00	10.000	0.10	48.63	50.00	0.635	0.653	0.97
21	8:22	1.00	10.000	0.10	49.28	50.00	0.233	0.237	0.99
22	8:31	1.00	10.000	0.10	50.98	50.00	0.234	0.229	1.02
23	8:35	1.00	10.000	0.10	48.69	50.00	1.103	1.133	0.97
24	8:41	1.00	10.000	0.10	51.68	50.00	0.515	0.498	1.03
25	8:52	1.00	10.000	0.10	47.96	50.00	0.088	0.092	0.96
26	9:23	1.00	10.000	0.11	47.86	50.00	0.438	0.458	0.96
27	9:35	1.00	10.000	0.11	47.73	50.00	0.580	0.607	0.95
28	11:08	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:55	1.00	10.000	0.09	52.58	50.00	0.223	0.212	1.05
30	10:02	1.00	10.000	0.09	53.84	50.00	0.323	0.300	1.08
31	10:02	1.01	50.000	0.02	47.35	50.00	0.284	0.300	0.95
32	10:17	1.00	10.000	0.09	50.63	50.00	1.240	1.224	1.01
33	10:28	1.00	50.000	0.02	49.40	50.00	0.999	1.011	0.99
34	10:48	1.00	10.000	0.10	48.00	50.00	1.496	1.558	0.96
35	10:54	1.00	10.000	0.10	49.77	50.00	2.101	2.111	1.00
36	11:04	1.00	50.000	0.02	51.51	50.00	0.508	0.493	1.03
37	11:10	1.00	10.000	0.10	48.33	50.00	1.300	1.345	0.97
38	11:13	1.00	50.000	0.02	62.07	50.00	0.132	0.106	1.24
39	11:19	1.00	50.000	0.02	59.59	50.00	0.348	0.292	1.19
40	11:25	1.00	10.000	0.10	50.27	50.00	1.623	1.614	1.01
41	11:28	1.00	10.000	0.10	47.80	50.00	0.794	0.830	0.96
42	10:52	1.00	10.000	0.10	53.81	50.00	0.345	0.320	1.08
43	11:51	1.00	10.000	0.11	40.76	50.00	1.410	1.730	0.82
44	11:55	1.00	10.000	0.11	49.23	50.00	0.436	0.443	0.98
45	11:55	1.00	10.000	0.11	54.20	50.00	1.345	1.241	1.08
46	11:58	1.00	50.000	0.02	56.02	50.00	0.394	0.352	1.12
47	13:18	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:03	1.00	50.000	0.02	65.44	50.00	0.142	0.109	1.31
49	12:06	1.00	10.000	0.09	64.86	50.00	0.799	0.616	1.30
50	12:38	1.00	10.000	0.10	56.75	50.00	0.209	0.184	1.13
51	12:51	1.00	10.000	0.10	55.82	50.00	0.242	0.216	1.12
52	13:06	1.00	50.000	0.02	56.83	50.00	0.140	0.123	1.14

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	13:20	1.00	10.000	0.10	55.54	50.00	1.574	1.417	1.11
54	13:23	1.00	10.000	0.10	60.48	50.00	1.203	0.995	1.21
55	14:15	1.00	10.000	0.11	55.79	50.00	2.412	2.162	1.12
56	15:05	1.00	10.000	0.11	58.08	50.00	1.253	1.079	1.16
57	17:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:25	1.00	10.000	0.09	48.50	50.00	1.882	1.940	0.97
59	16:26	1.00	10.000	0.10	48.94	50.00	1.393	1.423	0.98
60	17:09	1.00	20.000	0.05	62.08	50.00	0.479	0.386	1.24
61	17:12	1.00	10.000	0.10	52.98	50.00	1.462	1.380	1.06
62	17:19	1.00	10.000	0.10	48.16	50.00	2.020	2.097	0.96
63	17:16	1.00	10.000	0.10	56.89	50.00	1.383	1.215	1.14
64	21:00	0.94	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:15	1.00	10.000	0.09	43.29	50.00	3.616	4.177	0.87
66	19:02	1.00	10.000	0.10	97.66	100.00	1.213	1.242	0.98
67	19:02	1.00	10.000	0.10	97.66	100.00	1.213	1.242	0.98
68	19:40	1.00	10.000	0.10	51.29	50.00	1.179	1.150	1.03
69	22:50	1.00	10.000	0.12	55.89	50.00	1.379	1.234	1.12
70	22:54	1.00	10.000	0.12	57.00	50.00	1.115	0.978	1.14
71	23:45	1.00	10.000	0.12	58.83	50.00	1.151	0.978	1.18
72	5:14	1.00	0.742	1.04	47.58	50.00	2.165	2.275	0.95
73	6:24	1.00	0.948	0.99	47.05	50.00	3.024	3.214	0.94
74	7:35	1.00	0.875	1.01	48.89	50.00	0.700	0.716	0.98
75	10:09	1.00	0.906	1.01	50.78	50.00	1.233	1.214	1.02
76	12:17	1.00	1.118	0.99	47.39	50.00	0.110	0.116	0.95
77	15:40	1.00	0.907	1.00	50.42	50.00	1.018	1.009	1.01
78	15:23	1.00	10.000	0.09	48.00	50.00	1.486	1.548	0.96
79	10:18	1.00	1.000	1.20	52.88	50.00	0.149	0.141	1.06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COMPUCHEM LABS

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05/19/86 13:05:00
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CONDS.:

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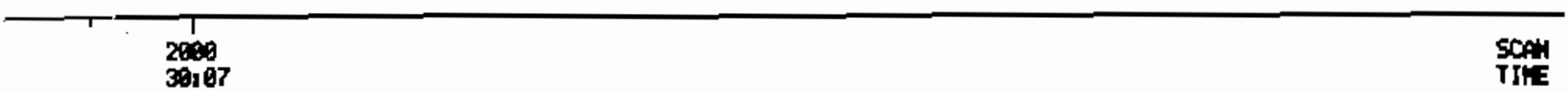
OUT OF 319 TO 2000

3993590.



QUANTITATION REPORT FILE: HKB60519A15

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/5/19/86 13:05:00
SAMPLE: 1 UL 80 LEVEL STD 2371 2366
CONDS.:
SUBMITTED BY: 15 ANALYST: 577

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

LJQ 6/19/86

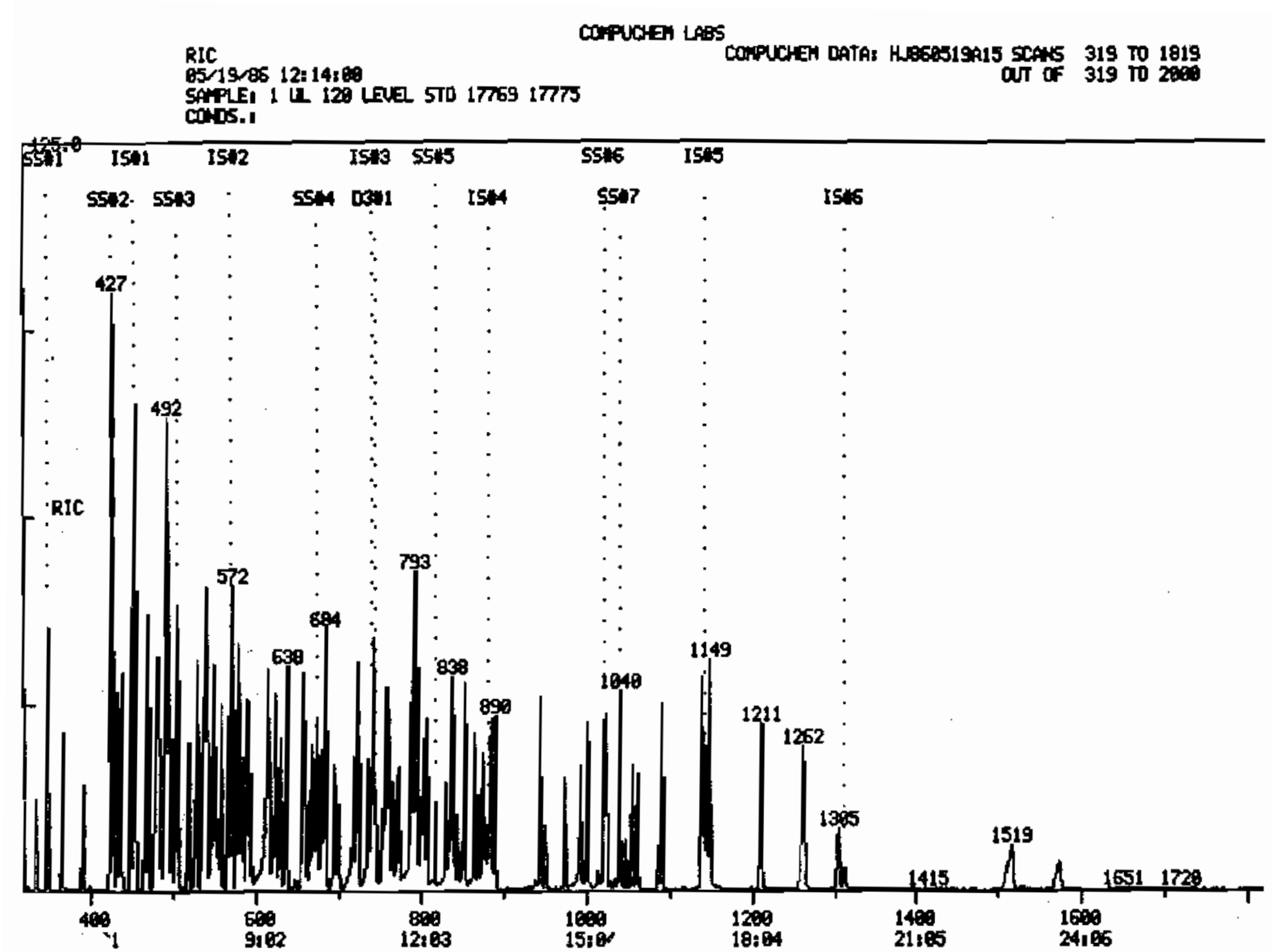
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	454	6:30	1	1.000	A BB	100916.	40.000	NQ	0.66
2	94	428	6:27	1	0.943	A BV	697391.	77.447	NQ	1.28
3	93	434	6:32	1	0.956	A VV	550948.	79.578	NQ	1.30
4	128	438	6:36	1	0.965	A BV	354756.	79.969	NQ	1.32
5	146	451	6:48	1	0.993	A BV	344796.	79.619	NQ	1.31
6	146	455	6:51	1	1.002	A VB	347020.	78.015	NQ	1.29
7	108	468	7:03	1	1.031	A BV	276346.	82.352	NQ	1.36
8	146	472	7:06	1	1.040	A BV	325692.	80.242	NQ	1.32
9	108	481	7:15	1	1.059	A VV	360748.	78.529	NQ	1.30
10	45	483	7:16	1	1.064	A VV	1195720.	78.662	NQ	1.30
11	108	493	7:25	1	1.086	A#VV	401899.	77.369	NQ	1.28
12	70	495	7:27	1	1.090	A BV	496120.	86.407	NQ	1.43
13	117	500	7:32	1	1.101	A BV	187488.	80.952	NQ	1.34
14	77	507	7:38	1	1.117	A VV	605209.	80.144	NQ	1.32
15	136	570	8:35	15	1.000	A BV	408844.	40.000	NQ	0.66
16	82	529	7:58	15	0.928	A BV	1057530.	74.177	NQ	1.22
17	139	536	8:04	15	0.940	A BB	174896.	78.625	NQ	1.30
18	122	541	8:09	15	0.949	A VV	275798.	77.432	NQ	1.28
19	122	551	8:18	15	0.967	A VV	215166.	75.264	NQ	1.24
20	93	550	8:17	15	0.965	A VV	512104.	78.869	NQ	1.30
21	162	558	8:24	15	0.979	A BV	189084.	79.332	NQ	1.31

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	567	8:32	15	0.995	A BB	193436.	80.900	NQ	1.33
23	128	572	8:37	15	1.004	A VV	879520.	77.987	NQ	1.29
24	127	579	8:43	15	1.016	A VV	401872.	76.328	NQ	1.26
25	225	591	8:54	15	1.037	A BB	76840.	85.298	NQ	1.41
26	107	626	9:26	15	1.098	A*VV	372463.	83.160	NQ	1.37
27	142	638	9:36	15	1.119	A VV	491820.	83.029	NQ	1.37
28	164	740	11:09	28	1.000	A BB	160760.	40.000	NQ	0.66
29	237	661	9:57	28	0.893	A BB	70444.	78.677	NQ	1.30
30	196	668	10:04	28	0.903	M XX	107977.	83.291	NQ	1.37
31	196	671	10:06	28	0.907	M XX	93914.	82.373	NQ	1.36
32	162	685	10:19	28	0.926	A VB	365408.	73.345	NQ	1.21
33	65	697	10:30	28	0.942	A BV	298368.	74.321	NQ	1.23
34	163	719	10:50	28	0.972	A BB	472316.	78.563	NQ	1.30
35	152	725	10:55	28	0.980	A BB	650856.	77.073	NQ	1.27
36	138	737	11:06	28	0.996	A BV	154416.	75.653	NQ	1.25
37	153	744	11:12	28	1.005	A*BB	425348.	81.396	NQ	1.34
38	184	747	11:15	28	1.009	A BV	41280.	77.888	NQ	1.28
39	139	754	11:21	28	1.019	A VV	116132.	82.969	NQ	1.37
40	168	759	11:26	28	1.026	A BV	507636.	77.846	NQ	1.28
41	89	762	11:29	28	1.030	A VV	251036.	78.676	NQ	1.30
42	165	724	10:54	28	0.978	A VB	95092.	68.662	NQ	1.13
43	149	788	11:52	28	1.065	A BV	524503.	92.537	NQ	1.53
44	204	793	11:57	28	1.072	A BB	138696.	79.151	NQ	1.31
45	166	792	11:56	28	1.070	A VV	396520.	73.343	NQ	1.21
46	138	796	11:59	28	1.076	A BV	140577.	88.752	NQ	1.46
47	188	883	13:18	47	1.000	A BV	200476.	40.000	NQ	0.66
48	198	801	12:04	47	0.907	A VB	48112.	67.441	NQ	1.11
49	169	804	12:06	47	0.911	A VV	283395.	70.797	NQ	1.17
50	248	840	12:39	47	0.951	A BB	75404.	72.075	NQ	1.19
51	284	854	12:52	47	0.967	A BB	87708.	72.441	NQ	1.19
52	266	871	13:07	47	0.986	A VV	49708.	71.008	NQ	1.17
53	178	885	13:20	47	1.002	A BV	544680.	69.046	NQ	1.14
54	178	890	13:24	47	1.008	A VV	407196.	67.526	NQ	1.11
55	149	946	14:15	47	1.071	A VV	841543.	69.602	NQ	1.15
56	202	1002	15:05	47	1.135	A VV	460596.	73.347	NQ	1.21
57	240	1143	17:13	57	1.000	A VV	112280.	40.000	NQ	0.66
58	202	1024	15:25	57	0.896	A VV	448267.	84.869	NQ	1.40
59	149	1091	16:26	57	0.955	A VV	303110.	77.538	NQ	1.28
60	252	1139	17:09	57	0.997	A VV	92636.	68.881	NQ	1.14
61	228	1141	17:11	57	0.998	A VV	312100.	76.036	NQ	1.25
62	149	1149	17:18	57	1.005	A VV	424183.	74.814	NQ	1.23
63	228	1145	17:15	57	1.002	A VV	289942.	74.689	NQ	1.23
64	264	1312	19:46	64	1.000	A BV	100080.	40.000	NQ	0.66
65	149	1211	18:14	64	0.923	A VV	682710.	75.457	NQ	1.24
66	252	1263	19:01	64	0.963	A*BV	4780662[illegible]	155.508	NQ	2.56
67	252	1263	19:01	64	0.963	A*BV	4780662[illegible]	155.508	NQ	2.56
68	252	1304	19:38	64	0.994	A VV	232020.	78.625	NQ	1.30
69	276	1512	22:46	64	1.152	A BV	246640.	71.469	NQ	1.18
70	278	1515	22:49	64	1.155	A BV	202288.	72.504	NQ	1.20
71	276	1572	23:40	64	1.198	A BB	209871.	71.503	NQ	1.18
72	112	350	5:16	1	0.771	A BV	425256.	77.861	NQ	1.28
73	99	427	6:26	1	0.941	A BV	606372.	79.471	NQ	1.31
74	82	505	7:36	15	0.886	A VV	552442.	77.243	NQ	1.27
75	172	676	10:11	28	0.914	A BV	381540.	76.997	NQ	1.27
76	141	817	12:18	28	1.104	A VV	35901.	81.033	NQ	1.34
77	244	1040	15:40	57	0.910	A VV	226696.	79.337	NQ	1.31

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1022	15:23	57	0.894	A VV	352029.	84.393	NG	1.39
79	216	686	10:20	15	1.204	A BB	126720.	83.189	NG	1.37

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:26	1.00	10.000	0.09	77.45	50.00	5.528	3.569	1.55
3	6:31	1.00	10.000	0.10	78.58	50.00	4.368	2.779	1.57
4	6:35	1.00	10.000	0.10	79.97	50.00	2.812	1.758	1.60
5	6:47	1.00	10.000	0.10	79.62	50.00	2.733	1.717	1.59
6	6:51	1.00	10.000	0.10	78.01	50.00	2.751	1.763	1.56
7	7:02	1.00	10.000	0.10	82.35	50.00	2.191	1.330	1.65
8	7:06	1.00	10.000	0.10	80.24	50.00	2.582	1.609	1.60
9	7:14	1.00	10.000	0.11	78.53	50.00	2.860	1.821	1.57
10	7:16	1.00	10.000	0.11	78.66	50.00	9.479	6.025	1.57
11	7:25	1.00	10.000	0.11	77.37	50.00	3.186	2.059	1.55
12	7:26	1.00	10.000	0.11	86.41	50.00	3.933	2.276	1.73
13	7:31	1.00	10.000	0.11	80.95	50.00	1.486	0.918	1.62
14	7:37	1.00	10.000	0.11	80.14	50.00	4.798	2.993	1.60
15	8:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:57	1.00	10.000	0.09	74.18	50.00	2.069	1.395	1.48
17	8:04	1.00	10.000	0.09	78.63	50.00	0.342	0.218	1.57
18	8:09	1.00	10.000	0.09	77.43	50.00	0.540	0.348	1.55
19	8:17	1.00	50.000	0.02	75.26	50.00	0.421	0.280	1.51
20	8:17	1.00	10.000	0.10	78.87	50.00	1.002	0.635	1.58
21	8:24	1.00	10.000	0.10	79.33	50.00	0.370	0.233	1.59
22	8:32	1.00	10.000	0.10	80.90	50.00	0.379	0.234	1.62
23	8:37	1.00	10.000	0.10	77.99	50.00	1.721	1.103	1.56
24	8:43	1.00	10.000	0.10	76.33	50.00	0.786	0.515	1.53
25	8:54	1.00	10.000	0.10	85.30	50.00	0.150	0.088	1.71
26	9:26	1.00	10.000	0.11	83.16	50.00	0.729	0.438	1.66
27	9:37	1.00	10.000	0.11	83.03	50.00	0.962	0.580	1.66
28	11:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:58	1.00	10.000	0.09	78.68	50.00	0.351	0.223	1.57
30	10:04	1.00	10.000	0.09	83.29	50.00	0.537	0.323	1.67
31	10:07	1.00	50.000	0.02	82.37	50.00	0.467	0.284	1.65
32	10:19	1.00	10.000	0.09	73.34	50.00	1.818	1.240	1.47
33	10:30	1.00	50.000	0.02	74.32	50.00	1.485	0.999	1.49
34	10:50	1.00	10.000	0.10	78.56	50.00	2.350	1.496	1.57
35	10:56	1.00	10.000	0.10	77.07	50.00	3.239	2.101	1.54
36	11:06	1.00	50.000	0.02	79.65	50.00	0.768	0.508	1.51
37	11:12	1.00	10.000	0.10	81.40	50.00	2.117	1.300	1.63
38	11:15	1.00	50.000	0.02	77.89	50.00	0.205	0.132	1.56
39	11:22	1.00	50.000	0.02	82.97	50.00	0.578	0.348	1.66
40	11:27	1.00	10.000	0.10	77.65	50.00	2.526	1.623	1.56
41	11:29	1.00	10.000	0.10	78.68	50.00	1.249	0.794	1.57
42	10:55	1.00	10.000	0.10	68.66	50.00	0.473	0.345	1.37
43	11:53	1.00	10.000	0.11	92.54	50.00	2.610	1.410	1.85
44	11:57	1.00	10.000	0.11	79.15	50.00	0.690	0.436	1.58
45	11:57	1.00	10.000	0.11	73.34	50.00	1.973	1.345	1.47
46	12:00	1.00	50.000	0.02	88.75	50.00	0.700	0.394	1.78
47	13:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:06	1.00	50.000	0.02	67.44	50.00	0.192	0.142	1.35
49	12:08	1.00	10.000	0.09	70.80	50.00	1.131	0.799	1.42
50	12:40	1.00	10.000	0.10	72.07	50.00	0.301	0.209	1.44
51	12:53	1.00	10.000	0.10	72.44	50.00	0.350	0.242	1.45
52	13:09	1.00	50.000	0.02	71.01	50.00	0.198	0.140	1.42

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	13:21	1.00	10.000	0.10	69.05	50.00	2.174	1.574	1.38
54	13:25	1.00	10.000	0.10	67.53	50.00	1.625	1.203	1.35
55	14:16	1.00	10.000	0.11	69.60	50.00	3.358	2.412	1.39
56	15:06	1.00	10.000	0.11	73.35	50.00	1.838	1.253	1.47
57	17:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:26	1.00	10.000	0.09	84.87	50.00	3.194	1.882	1.70
59	16:27	1.00	10.000	0.10	77.54	50.00	2.160	1.393	1.55
60	17:11	1.00	20.000	0.05	68.88	50.00	0.660	0.479	1.38
61	17:13	1.00	10.000	0.10	76.04	50.00	2.224	1.462	1.52
62	17:20	1.00	10.000	0.10	74.81	50.00	3.022	2.020	1.50
63	17:16	1.00	10.000	0.10	74.69	50.00	2.066	1.383	1.49
64	19:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:16	1.00	10.000	0.09	75.46	50.00	5.457	3.616	1.51
66	19:00	1.00	10.000	0.10	155.51	100.00	1.887	1.213	1.56
67	19:00	1.00	10.000	0.10	155.51	100.00	1.887	1.213	1.56
68	19:42	1.00	10.000	0.10	78.63	50.00	1.855	1.179	1.57
69	22:53	0.99	10.000	0.12	71.47	50.00	1.972	1.379	1.43
70	22:57	0.99	10.000	0.12	72.50	50.00	1.617	1.115	1.45
71	23:48	0.99	10.000	0.12	71.50	50.00	1.646	1.151	1.43
72	5:15	1.00	0.742	1.04	77.86	50.00	3.371	2.165	1.56
73	6:25	1.00	0.948	0.99	79.47	50.00	4.807	3.024	1.59
74	7:36	1.00	0.875	1.01	77.24	50.00	1.081	0.700	1.54
75	10:11	1.00	0.906	1.01	77.00	50.00	1.899	1.233	1.54
76	12:19	1.00	1.118	0.99	81.03	50.00	0.179	0.110	1.62
77	15:41	1.00	0.907	1.00	79.34	50.00	1.615	1.018	1.59
78	15:25	1.00	10.000	0.09	84.39	50.00	2.508	1.486	1.69
79	10:20	1.00	1.000	1.20	83.19	50.00	0.248	0.149	1.66


COMPUCHEM LABS
RIC
05/19/86 12:14:00
SAMPLE: 1 UL 120 LEVEL STD 17769 17775
COND5.1
COMPUCHEM DATA: HJ860519A15 SCANS 319 TO 1819
OUT OF 319 TO 2000
125.0
SS#1
IS#1
IS#2
IS#3
SS#5
SS#6
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400
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18:04
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24:06

QUANTITATION REPORT FILE: HJB60519A15

DATA: HJB60519A15.TI
)5/19/86 12:14:00
JAMPLE: 1 UL 120 LEVEL STD 17769 17775
CONDS.:
SUBMITTED BY: 15 ANALYST: 577

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	8605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

5/19/86

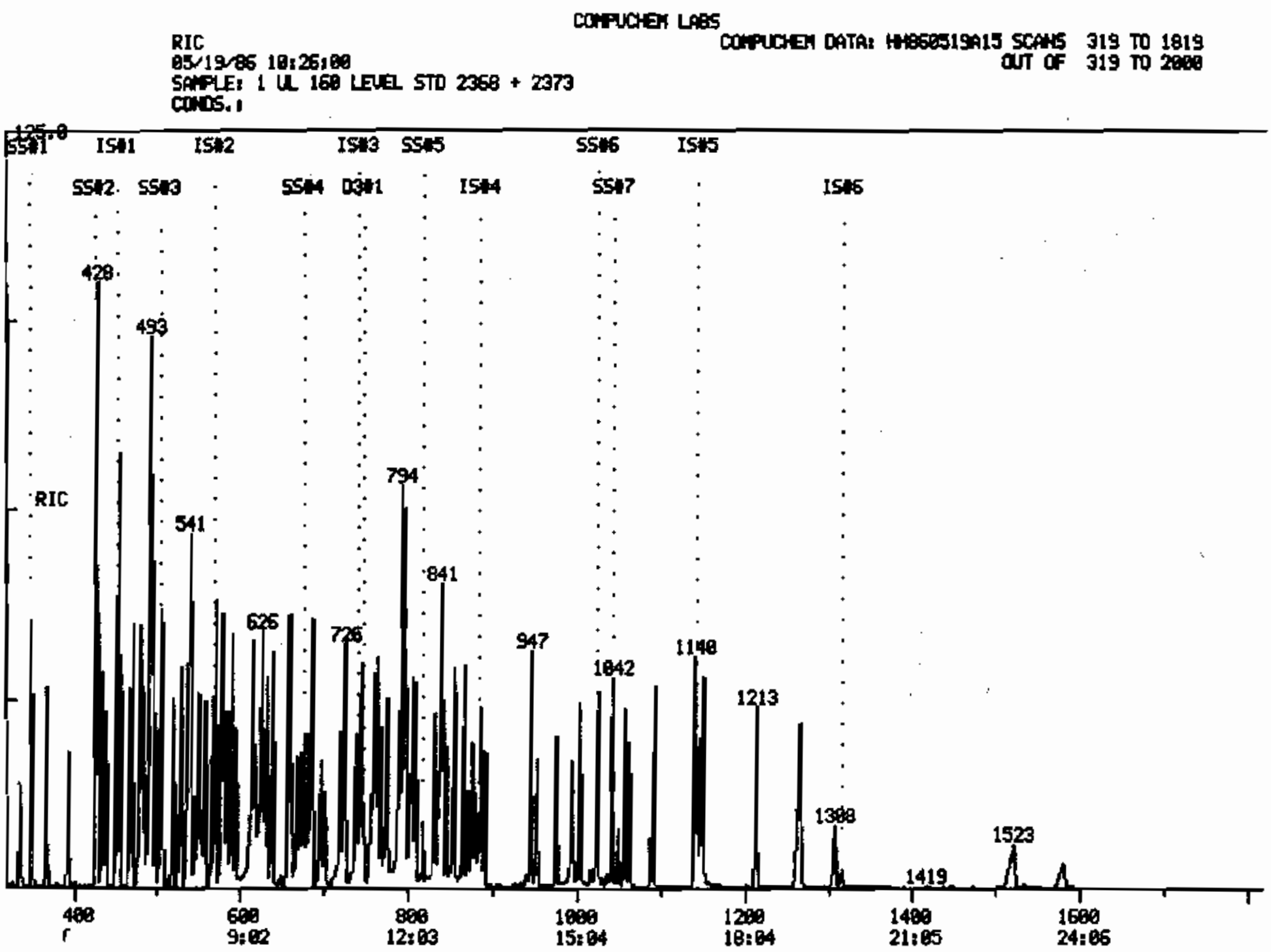
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
1	152	453	6:49	1	1.000	A BB	125356.	40.000	NO	0.45
2	94	428	6:27	1	0.945	A BV	1221160.	109.174	NO	1.22
3	93	433	6:31	1	0.956	A VV	1014130.	116.440	NO	1.30
4	128	438	6:36	1	0.967	A BV	678916.	123.203	NO	1.37
5	146	450	6:47	1	0.993	A BV	638004.	118.602	NO	1.32
6	146	455	6:51	1	1.004	A VV	620312.	112.266	NO	1.25
7	108	467	7:02	1	1.031	A BV	527856.	126.634	NO	1.41
8	146	471	7:06	1	1.040	A BV	576708.	114.384	NO	1.27
9	108	480	7:14	1	1.060	A VV	677905.	118.798	NO	1.32
10	45	482	7:16	1	1.064	A VV	2204200.	116.734	NO	1.30
11	108	493	7:25	1	1.088	A VV	734342.	113.805	NO	1.27
12	70	495	7:27	1	1.093	A BV	892393.	125.123	NO	1.39
13	117	499	7:31	1	1.102	A VV	366740.	127.476	NO	1.42
14	77	506	7:37	1	1.117	A VV	1118660.	119.255	NO	1.33
15	136	570	8:35	15	1.000	A BV	507496.	40.000	NO	0.45
16	82	529	7:58	15	0.928	A VV	2043370.	115.465	NO	1.29
17	139	536	8:04	15	0.940	A VV	354772.	128.486	NO	1.43
18	122	541	8:09	15	0.949	A VV	546704.	123.654	NO	1.38
19	122	553	8:20	15	0.970	A VV	406204.	114.468	NO	1.27
20	93	550	8:17	15	0.965	A VV	994076.	123.337	NO	1.37
21	162	558	8:24	15	0.979	A BV	363652.	122.915	NO	1.37

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	566	8:31	15	0.993	A BB	355008.	119.612	NG	1.33
23	128	572	8:37	15	1.004	A VV	1549850.	110.712	NG	1.23
24	127	578	8:42	15	1.014	A VV	759620.	116.230	NG	1.29
25	225	590	8:53	15	1.035	A BB	143720.	128.526	NG	1.43
26	107	625	9:25	15	1.096	A VV	693158.	124.677	NG	1.39
27	142	638	9:36	15	1.119	A VV	880972.	119.815	NG	1.33
28	164	740	11:09	28	1.000	A BB	197824.	40.000	NG	0.45
29	237	660	9:56	28	0.892	A BB	143016.	129.803	NG	1.45
30	196	667	10:03	28	0.901	A BV	235796.	147.810	NG	1.65
31	196	671	10:06	28	0.907	A VV	130588.	93.080	NG	1.04
32	162	684	10:18	28	0.924	A VV	658756.	107.452	NG	1.20
33	65	696	10:29	28	0.941	A BV	366425.	114.656	NG	1.28
34	163	718	10:49	28	0.970	A BB	870163.	117.621	NG	1.31
35	152	725	10:55	28	0.980	A BV	1165760.	112.183	NG	1.25
36	138	736	11:05	28	0.995	A BV	279598.	111.318	NG	1.24
37	153	743	11:11	28	1.004	A BV	748364.	116.377	NG	1.30
38	184	746	11:14	28	1.008	A VV	76168.	116.789	NG	1.30
39	139	754	11:21	28	1.019	A VV	276093.	160.295	NG	1.79
40	168	759	11:26	28	1.026	A VV	910397.	113.452	NG	1.26
41	89	762	11:29	28	1.030	A#VV	447991.	114.096	NG	1.27
42	165	723	10:53	28	0.977	A VB	159616.	91.311	NG	1.02
43	149	788	11:52	28	1.065	A VV	738382.	105.863	NG	1.18
44	204	792	11:56	28	1.070	A BB	247564.	114.810	NG	1.28
45	166	792	11:56	28	1.070	A VV	709968.	106.716	NG	1.19
46	138	796	11:59	28	1.076	A VV	250611.	128.577	NG	1.43
47	188	883	13:18	47	1.000	A VV	212852.	40.000	NG	0.45
48	198	801	12:04	47	0.907	A#VV	87940.	116.103	NG	1.29
49	169	804	12:06	47	0.911	A VB	488490.	114.938	NG	1.28
50	248	840	12:39	47	0.951	A VV	110276.	99.279	NG	1.11
51	284	854	12:52	47	0.967	A VB	160424.	124.796	NG	1.39
52	266	871	13:07	47	0.986	A VV	85260.	114.713	NG	1.28
53	178	885	13:20	47	1.002	A BV	1073670.	128.190	NG	1.43
54	178	890	13:24	47	1.008	A VV	583260.	91.099	NG	1.01
55	149	946	14:15	47	1.071	A VB	1420290.	110.639	NG	1.23
56	202	1002	15:05	47	1.135	A VV	746592.	111.977	NG	1.25
57	240	1143	17:13	57	1.000	A VV	125288.	40.000	NG	0.45
58	202	1024	15:25	57	0.896	A VV	689198.	116.936	NG	1.30
59	149	1091	16:26	57	0.955	A VV	508740.	116.628	NG	1.30
60	252	1139	17:09	57	0.997	A VV	162903.	108.554	NG	1.21
61	228	1142	17:12	57	0.999	A VV	560830.	122.448	NG	1.36
62	149	1149	17:18	57	1.005	A VV	726464.	114.825	NG	1.28
63	228	1146	17:16	57	1.003	A VV	447246.	103.249	NG	1.15
64	264	1312	19:46	64	1.000	A VV	120392.	40.000	NG	0.45
65	149	1210	18:13	64	0.922	A VV	1269000.	116.594	NG	1.30
66	252	1263	19:01	64	0.963	A#BV	847546	237.570	NG	2.65
67	252	1263	19:01	64	0.963	A#BV	847546	237.570	NG	2.65
68	252	1305	19:39	64	0.995	A VV	410885.	115.746	NG	1.29
69	276	1515	22:49	64	1.155	A#BV	444934.	107.177	NG	1.19
70	278	1519	22:53	64	1.158	A VV	354555.	105.640	NG	1.18
71	276	1574	23:42	64	1.200	A BV	359199.	103.709	NG	1.16
72	112	349	5:15	1	0.770	A BV	821596.	121.100	NG	1.35
73	99	427	6:26	1	0.943	A BV	1097150.	115.759	NG	1.29
74	82	505	7:36	15	0.886	A VV	1040490.	117.203	NG	1.31
75	172	675	10:10	28	0.912	A VV	679340.	111.409	NG	1.24
76	141	817	12:18	28	1.104	A VV	60271.	110.550	NG	1.23
77	244	1040	15:40	57	0.910	A VV	367257.	115.185	NG	1.28

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1023	15:24	57	0.895	A VV	556131.	119.481	NO	1.33
79	216	685	10:19	15	1.202	A BB	223228.	118.057	NO	1.31

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:26	1.00	10.000	0.09	109.17	50.00	7.793	3.569	2.18
3	6:31	1.00	10.000	0.10	116.44	50.00	6.472	2.779	2.33
4	6:35	1.00	10.000	0.10	123.20	50.00	4.333	1.758	2.46
5	6:47	1.00	10.000	0.10	118.60	50.00	4.072	1.717	2.37
6	6:51	1.00	10.000	0.10	112.27	50.00	3.959	1.763	2.25
7	7:02	1.00	10.000	0.10	126.63	50.00	3.369	1.330	2.53
8	7:06	1.00	10.000	0.10	114.38	50.00	3.680	1.609	2.29
9	7:14	1.00	10.000	0.11	118.80	50.00	4.326	1.821	2.38
10	7:16	1.00	10.000	0.11	116.73	50.00	14.067	6.025	2.33
11	7:25	1.00	10.000	0.11	113.81	50.00	4.686	2.059	2.28
12	7:26	1.00	10.000	0.11	125.12	50.00	5.695	2.276	2.50
13	7:31	1.00	10.000	0.11	127.48	50.00	2.340	0.918	2.55
14	7:37	1.00	10.000	0.11	119.26	50.00	7.139	2.993	2.39
15	8:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:57	1.00	10.000	0.09	115.46	50.00	3.221	1.395	2.31
17	8:04	1.00	10.000	0.09	128.49	50.00	0.559	0.218	2.57
18	8:09	1.00	10.000	0.09	123.65	50.00	0.862	0.348	2.47
19	8:17	1.01	50.000	0.02	114.47	50.00	0.640	0.280	2.29
20	8:17	1.00	10.000	0.10	123.34	50.00	1.567	0.635	2.47
21	8:24	1.00	10.000	0.10	122.92	50.00	0.573	0.233	2.46
22	8:32	1.00	10.000	0.10	119.61	50.00	0.560	0.234	2.39
23	8:37	1.00	10.000	0.10	110.71	50.00	2.443	1.103	2.21
24	8:43	1.00	10.000	0.10	116.23	50.00	1.197	0.515	2.32
25	8:54	1.00	10.000	0.10	128.53	50.00	0.227	0.088	2.57
26	9:26	1.00	10.000	0.11	124.68	50.00	1.093	0.438	2.49
27	9:37	1.00	10.000	0.11	119.81	50.00	1.389	0.580	2.40
28	11:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:58	1.00	10.000	0.09	129.80	50.00	0.578	0.223	2.60
30	10:04	1.00	10.000	0.09	147.81	50.00	0.954	0.323	2.96
31	10:07	1.00	50.000	0.02	93.08	50.00	0.528	0.284	1.86
32	10:19	1.00	10.000	0.09	107.45	50.00	2.664	1.240	2.15
33	10:30	1.00	50.000	0.02	114.66	50.00	2.291	0.999	2.29
34	10:50	1.00	10.000	0.10	117.62	50.00	3.519	1.496	2.35
35	10:56	1.00	10.000	0.10	112.18	50.00	4.714	2.101	2.24
36	11:06	1.00	50.000	0.02	111.32	50.00	1.131	0.508	2.23
37	11:12	1.00	10.000	0.10	116.38	50.00	3.026	1.300	2.33
38	11:15	1.00	50.000	0.02	116.79	50.00	0.308	0.132	2.34
39	11:22	1.00	50.000	0.02	160.29	50.00	1.117	0.348	3.21
40	11:27	1.00	10.000	0.10	113.45	50.00	3.682	1.623	2.27
41	11:29	1.00	10.000	0.10	114.10	50.00	1.812	0.794	2.28
42	10:55	1.00	10.000	0.10	91.31	50.00	0.629	0.345	1.83
43	11:53	1.00	10.000	0.11	105.86	50.00	2.986	1.410	2.12
44	11:57	1.00	10.000	0.11	114.81	50.00	1.001	0.436	2.30
45	11:57	1.00	10.000	0.11	106.72	50.00	2.871	1.345	2.13
46	12:00	1.00	50.000	0.02	128.58	50.00	1.013	0.394	2.57
47	13:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:06	1.00	50.000	0.02	116.10	50.00	0.331	0.142	2.32
49	12:08	1.00	10.000	0.09	114.94	50.00	1.836	0.799	2.30
50	12:40	1.00	10.000	0.10	99.28	50.00	0.414	0.209	1.99
51	12:53	1.00	10.000	0.10	124.80	50.00	0.603	0.242	2.50
52	13:09	1.00	50.000	0.02	114.71	50.00	0.320	0.140	2.29

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	13:21	1.00	10.000	0.10	128.19	50.00	4.035	1.574	2.56
54	13:25	1.00	10.000	0.10	91.10	50.00	2.192	1.203	1.82
55	14:16	1.00	10.000	0.11	110.64	50.00	5.338	2.412	2.21
56	15:06	1.00	10.000	0.11	111.98	50.00	2.806	1.253	2.24
57	17:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:26	1.00	10.000	0.09	116.94	50.00	4.401	1.882	2.34
59	16:27	1.00	10.000	0.10	116.63	50.00	3.248	1.393	2.33
60	17:11	1.00	20.000	0.05	108.55	50.00	1.040	0.479	2.17
61	17:13	1.00	10.000	0.10	122.45	50.00	3.381	1.462	2.45
62	17:20	1.00	10.000	0.10	114.82	50.00	4.639	2.020	2.30
63	17:16	1.00	10.000	0.10	103.25	50.00	2.856	1.383	2.06
64	19:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:16	1.00	10.000	0.09	116.59	50.00	8.432	3.616	2.33
66	19:00	1.00	10.000	0.10	237.57	100.00	2.882	1.213	2.38
67	19:00	1.00	10.000	0.10	237.57	100.00	2.882	1.213	2.38
68	19:42	1.00	10.000	0.10	115.75	50.00	2.730	1.179	2.31
69	22:53	1.00	10.000	0.12	107.18	50.00	2.957	1.379	2.14
70	22:57	1.00	10.000	0.12	105.64	50.00	2.356	1.115	2.11
71	23:48	1.00	10.000	0.12	103.71	50.00	2.387	1.151	2.07
72	5:15	1.00	0.742	1.04	121.10	50.00	5.243	2.165	2.42
73	6:25	1.00	0.948	0.99	115.76	50.00	7.002	3.024	2.32
74	7:36	1.00	0.875	1.01	117.20	50.00	1.640	0.700	2.34
75	10:11	1.00	0.906	1.01	111.41	50.00	2.747	1.233	2.23
76	12:19	1.00	1.118	0.99	110.55	50.00	0.244	0.110	2.21
77	15:41	1.00	0.907	1.00	115.18	50.00	2.345	1.018	2.30
78	15:25	1.00	10.000	0.09	119.48	50.00	3.551	1.486	2.39
79	10:20	1.00	1.000	1.20	118.06	50.00	0.352	0.149	2.36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RIC
05/19/86 10:26:00
SAMPLE: 1 UL 160 LEVEL STD 2368 + 2373
CONDS.:
COMPUCHEM DATA: HH860519A15 SCANS 319 TO 1819
OUT OF 319 TO 2000
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IS#2
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24:06

QUANTITATION REPORT FILE: HHB60519A15

DATA: HHB60519A15.TI
05/19/86 10:26:00
SAMPLE: 1 UL 160 LEVEL STD 2368 + 2373
CONDS.:
SUBMITTED BY: 15 ANALYST: 577

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

MO 5/19/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
1	152	454	6:30	1	1.000	A BB	100360.	40.000	NG	0.33
2	94	429	6:28	1	0.945	A BV	1327160.	148.201	NG	1.23
3	93	434	6:32	1	0.956	A VV	1121790.	160.882	NG	1.34
4	128	438	6:36	1	0.965	A BV	737880.	167.253	NG	1.39
5	146	451	6:48	1	0.993	A BV	693392.	161.002	NG	1.34
6	146	455	6:51	1	1.002	A VV	677428.	153.139	NG	1.28
7	108	468	7:03	1	1.031	A BV	569834.	170.753	NG	1.42
8	146	472	7:06	1	1.040	A VV	628960.	155.818	NG	1.30
9	108	481	7:15	1	1.059	A VV	764170.	167.269	NG	1.39
10	45	483	7:16	1	1.064	A VV	2388510.	158.000	NG	1.32
11	108	493	7:25	1	1.086	A VV	796145.	154.114	NG	1.28
12	70	496	7:28	1	1.093	A BV	969740.	169.832	NG	1.41
13	117	500	7:32	1	1.101	A BV	390572.	169.573	NG	1.41
14	77	507	7:38	1	1.117	A VV	1216190.	161.945	NG	1.35
15	136	571	8:36	15	1.000	A BV	421704.	40.000	NG	0.33
16	82	530	7:59	15	0.928	A VV	2302520.	156.579	NG	1.30
17	139	537	8:05	15	0.940	A VV	381772.	166.393	NG	1.39
18	122	542	8:10	15	0.949	A BV	625856.	170.355	NG	1.42
19	122	555	8:21	15	0.972	A VV	260140.	88.221	NG	0.73
20	93	550	8:17	15	0.963	A VV	1085770.	162.121	NG	1.35
21	162	559	8:25	15	0.979	A BV	401356.	163.258	NG	1.36

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
22	180	567	8:32	15	0.993	A BB	390272.	158.245	NG	1.32
23	128	573	8:38	15	1.004	A BV	1717890.	147.681	NG	1.23
24	127	579	8:43	15	1.014	A VV	832052.	153.213	NG	1.28
25	225	591	8:54	15	1.035	A BB	155632.	167.494	NG	1.40
26	107	626	9:26	15	1.096	A BV	760819.	164.688	NG	1.37
27	142	639	9:37	15	1.119	A VV	964908.	157.928	NG	1.32
28	164	741	11:10	28	1.000	A BB	162368.	40.000	NG	0.33
29	237	661	9:57	28	0.892	A BB	152540.	168.680	NG	1.40
30	196	668	10:04	28	0.901	A BV	253000.	193.227	NG	1.61
31	196	672	10:07	28	0.907	A VV	149048.	129.437	NG	1.08
32	162	685	10:19	28	0.924	A VB	715404.	142.174	NG	1.18
33	65	698	10:31	28	0.942	A VB	695116.	171.432	NG	1.43
34	163	720	10:51	28	0.972	A BV	956580.	157.537	NG	1.31
35	152	726	10:56	28	0.980	A BV	1277610.	149.794	NG	1.25
36	138	738	11:07	28	0.996	A BV	324560.	157.436	NG	1.31
37	153	745	11:13	28	1.005	A BV	820884.	155.531	NG	1.30
38	184	748	11:16	28	1.009	A VV	76772.	143.420	NG	1.19
39	139	756	11:23	28	1.020	A VV	343659.	243.092	NG	2.02
40	168	760	11:27	28	1.026	A VV	998698.	151.634	NG	1.26
41	89	763	11:29	28	1.030	A*VV	551889.	171.251	NG	1.43
42	165	725	10:55	28	0.978	A VB	165781.	118.518	NG	0.99
43	149	789	11:53	28	1.065	A VV	813057.	142.025	NG	1.18
44	204	794	11:57	28	1.072	A BB	271300.	153.293	NG	1.28
45	166	794	11:57	28	1.072	A VV	771928.	141.367	NG	1.18
46	138	798	12:01	28	1.077	A*VV	261686.	163.577	NG	1.36
47	188	885	13:20	47	1.000	A VV	160032.	40.000	NG	0.33
48	198	803	12:06	47	0.907	A VV	99072.	173.972	NG	1.45
49	169	806	12:08	47	0.911	A VV	546329.	170.975	NG	1.42
50	248	841	12:40	47	0.950	A VV	142220.	170.297	NG	1.42
51	284	855	12:53	47	0.966	A BB	167500.	173.307	NG	1.44
52	266	872	13:08	47	0.985	A VV	94816.	169.676	NG	1.41
53	178	887	13:21	47	1.002	A VV	1022290.	162.342	NG	1.35
54	178	891	13:25	47	1.007	A VB	663796.	137.897	NG	1.15
55	149	947	14:16	47	1.070	A VB	1542310.	159.799	NG	1.33
56	202	1004	15:07	47	1.134	A VV	833771.	166.328	NG	1.39
57	240	1144	17:14	57	1.000	A VV	100676.	40.000	NG	0.33
58	202	1026	15:27	57	0.897	A VV	774481.	163.530	NG	1.36
59	149	1092	16:27	57	0.955	A VV	536859.	153.161	NG	1.28
60	252	1140	17:10	57	0.997	A VV	170444.	141.345	NG	1.18
61	228	1143	17:13	57	0.999	A VV	569796.	154.818	NG	1.29
62	149	1150	17:19	57	1.005	A VV	769030.	151.269	NG	1.26
63	228	1147	17:16	57	1.003	A VV	488411.	140.316	NG	1.17
64	264	1315	19:48	64	1.000	A BV	94460.	40.000	NG	0.33
65	149	1213	18:16	64	0.922	A VV	1341100.	157.045	NG	1.31
66	252	1266	19:04	64	0.963	A*BV	882688.	308.074	NG	2.57
67	252	1266	19:04	64	0.963	A*BV	882688.	308.074	NG	2.57
68	252	1307	19:41	64	0.994	A VV	442872.	159.006	NG	1.32
69	276	1518	22:52	64	1.154	A BV	443446.	136.143	NG	1.13
70	278	1523	22:56	64	1.158	A BV	355275.	134.914	NG	1.12
71	276	1580	23:48	64	1.202	A BV	346059.	127.349	NG	1.06
72	112	350	5:16	1	0.771	A BV	883240.	162.611	NG	1.35
73	99	427	6:26	1	0.941	A BV	1187630.	156.514	NG	1.30
74	82	505	7:36	15	0.884	A VV	1193520.	156.370	NG	1.30
75	172	676	10:11	28	0.912	A BV	765996.	153.052	NG	1.27
76	141	818	12:19	28	1.104	A VB	64535.	144.221	NG	1.20
77	244	1041	15:41	57	0.910	A VV	390495.	152.414	NG	1.27

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1023	15:24	57	0.894	A VV	590497.	157.878	NG	1.31
79	216	686	10:20	15	1.201	A BB	246232.	156.716	NG	1.31

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:26	1.00	10.000	0.09	148.20	50.00	10.579	3.569	2.96
3	6:31	1.00	10.000	0.10	160.88	50.00	8.942	2.779	3.22
4	6:35	1.00	10.000	0.10	167.25	50.00	5.882	1.758	3.35
5	6:47	1.00	10.000	0.10	161.00	50.00	5.527	1.717	3.22
6	6:51	1.00	10.000	0.10	153.14	50.00	5.400	1.763	3.06
7	7:02	1.00	10.000	0.10	170.75	50.00	4.542	1.330	3.42
8	7:06	1.00	10.000	0.10	155.82	50.00	5.014	1.609	3.12
9	7:14	1.00	10.000	0.11	167.27	50.00	6.091	1.821	3.35
10	7:16	1.00	10.000	0.11	158.00	50.00	19.040	6.025	3.16
11	7:25	1.00	10.000	0.11	154.11	50.00	6.346	2.059	3.08
12	7:26	1.00	10.000	0.11	169.83	50.00	7.730	2.276	3.40
13	7:31	1.00	10.000	0.11	169.57	50.00	3.113	0.918	3.39
14	7:37	1.00	10.000	0.11	161.95	50.00	9.695	2.993	3.24
15	8:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:57	1.00	10.000	0.09	156.58	50.00	4.368	1.395	3.13
17	8:04	1.00	10.000	0.09	166.39	50.00	0.724	0.218	3.33
18	8:09	1.00	10.000	0.09	170.35	50.00	1.187	0.348	3.41
19	8:17	1.01	50.000	0.02	88.22	50.00	0.494	0.280	1.76
20	8:17	1.00	10.000	0.10	162.12	50.00	2.060	0.635	3.24
21	8:24	1.00	10.000	0.10	163.26	50.00	0.761	0.233	3.27
22	8:32	1.00	10.000	0.10	158.24	50.00	0.740	0.234	3.16
23	8:37	1.00	10.000	0.10	147.68	50.00	3.299	1.103	2.95
24	8:43	1.00	10.000	0.10	153.21	50.00	1.578	0.515	3.06
25	8:54	1.00	10.000	0.10	167.49	50.00	0.295	0.088	3.35
26	9:26	1.00	10.000	0.11	164.69	50.00	1.443	0.438	3.29
27	9:37	1.00	10.000	0.11	157.93	50.00	1.830	0.580	3.16
28	11:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:58	1.00	10.000	0.09	168.68	50.00	0.752	0.223	3.37
30	10:04	1.00	10.000	0.09	193.23	50.00	1.247	0.323	3.86
31	10:07	1.00	50.000	0.02	129.44	50.00	0.734	0.284	2.59
32	10:19	1.00	10.000	0.09	142.17	50.00	3.525	1.240	2.84
33	10:30	1.00	50.000	0.02	171.43	50.00	3.425	0.999	3.43
34	10:50	1.00	10.000	0.10	157.54	50.00	4.713	1.496	3.15
35	10:56	1.00	10.000	0.10	149.79	50.00	6.295	2.101	3.00
36	11:06	1.00	50.000	0.02	157.44	50.00	1.599	0.508	3.15
37	11:12	1.00	10.000	0.10	155.53	50.00	4.045	1.300	3.11
38	11:15	1.00	50.000	0.02	143.42	50.00	0.378	0.132	2.87
39	11:22	1.00	50.000	0.02	243.09	50.00	1.693	0.348	4.86
40	11:27	1.00	10.000	0.10	151.63	50.00	4.921	1.623	3.03
41	11:29	1.00	10.000	0.10	171.25	50.00	2.719	0.794	3.43
42	10:55	1.00	10.000	0.10	118.52	50.00	0.817	0.345	2.37
43	11:53	1.00	10.000	0.11	142.02	50.00	4.006	1.410	2.84
44	11:57	1.00	10.000	0.11	153.29	50.00	1.337	0.436	3.07
45	11:57	1.00	10.000	0.11	141.37	50.00	3.803	1.345	2.83
46	12:00	1.00	50.000	0.02	163.58	50.00	1.289	0.394	3.27
47	13:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:06	1.00	50.000	0.02	173.97	50.00	0.495	0.142	3.48
49	12:08	1.00	10.000	0.09	170.97	50.00	2.731	0.799	3.42
50	12:40	1.00	10.000	0.10	170.30	50.00	0.711	0.209	3.41
51	12:53	1.00	10.000	0.10	173.31	50.00	0.837	0.242	3.47
52	13:09	1.00	50.000	0.02	169.68	50.00	0.474	0.140	3.39

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	13:21	1.00	10.000	0.10	162.34	50.00	5.110	1.574	3.25
54	13:25	1.00	10.000	0.10	137.90	50.00	3.318	1.203	2.76
55	14:16	1.00	10.000	0.11	159.80	50.00	7.710	2.412	3.20
56	15:06	1.00	10.000	0.11	166.33	50.00	4.168	1.253	3.33
57	17:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:26	1.00	10.000	0.09	163.53	50.00	6.154	1.882	3.27
59	16:27	1.00	10.000	0.10	153.16	50.00	4.266	1.393	3.06
60	17:11	1.00	20.000	0.05	141.34	50.00	1.354	0.479	2.83
61	17:13	1.00	10.000	0.10	154.82	50.00	4.528	1.462	3.10
62	17:20	1.00	10.000	0.10	151.27	50.00	6.111	2.020	3.03
63	17:16	1.00	10.000	0.10	140.32	50.00	3.881	1.383	2.81
64	19:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:16	1.00	10.000	0.09	157.04	50.00	11.358	3.616	3.14
66	19:00	1.00	10.000	0.10	308.07	100.00	3.738	1.213	3.08
67	19:00	1.00	10.000	0.10	308.07	100.00	3.738	1.213	3.08
68	19:42	1.00	10.000	0.10	159.01	50.00	3.751	1.179	3.18
69	22:53	1.00	10.000	0.12	136.14	50.00	3.756	1.379	2.72
70	22:57	1.00	10.000	0.12	134.91	50.00	3.009	1.115	2.70
71	23:48	1.00	10.000	0.12	127.35	50.00	2.931	1.151	2.55
72	5:15	1.00	0.742	1.04	162.61	50.00	7.041	2.165	3.25
73	6:25	1.00	0.948	0.99	156.51	50.00	9.467	3.024	3.13
74	7:36	1.00	0.875	1.01	156.37	50.00	2.188	0.700	3.13
75	10:11	1.00	0.906	1.01	153.05	50.00	3.774	1.233	3.06
76	12:19	1.00	1.118	0.99	144.22	50.00	0.318	0.110	2.88
77	15:41	1.00	0.907	1.00	152.41	50.00	3.103	1.018	3.05
78	15:25	1.00	10.000	0.09	157.88	50.00	4.692	1.486	3.16
79	10:20	1.00	1.000	1.20	156.72	50.00	0.467	0.149	3.13

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 1:08 Shift(s) (A) ___ (B) 1 (C) X
Time Tune Expires 13:08 Date 5/19/86
Analysis Type SEMI

Run Log

	REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Etc.
1		DH860519C15		5/19/86	1:08	DFTPP		1ul	419		3117	7050
2	✓	HG860519C15		5/19/86	1:27	STD	50NG	1ul	419		3117	2375
3		~~SC860519C15~~		~~5/19/86~~	~~2:43~~	—		~~1ul~~	~~419~~		~~3117~~	~~2375~~ FAKE-out
4	✓	HH860519C15		5/19/86	4:14	STD	50NG	1ul	419		3117	2375 - D10 HIGH
5	✓	HI860519C15		5/19/86	5:23	STD	50NG	1ul	419		3117	2375 - D10 HIGH
6	✓	HJ860519C15		5/19/86	6:18	STD	50NG	1ul	419		3117	2375 - 149 - FAIL
7		HK860519C15		5/19/86	7:22	STD	50NG	1ul	419		3117	2375
8				/ /	:	Changed Septum & liner						
9		HG760519015	✓	/ /	9:11	STD	50ng	1ul	577			2375
10		HH860519A15 ✓	✓	/ /	10:22	STD	100ng	1ul	577			2367 2373
11		HI860519A15 ✓	✓	/ /	11:17	STD	75ng	1ul	577			2364 2369
12		HJ860519A15 ✓	✓	/ /	12:14	STD	125	1ul	577			2367 2372
13		HK860519A15 ✓		/ /	13:05	STD	80ng	1ul	577			2371 2376
14				/ /	:							
15				/ /	:							
16				/ /	:							
17				/ /	:							
18				/ /	:							
19				/ /	:							
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5/19/86

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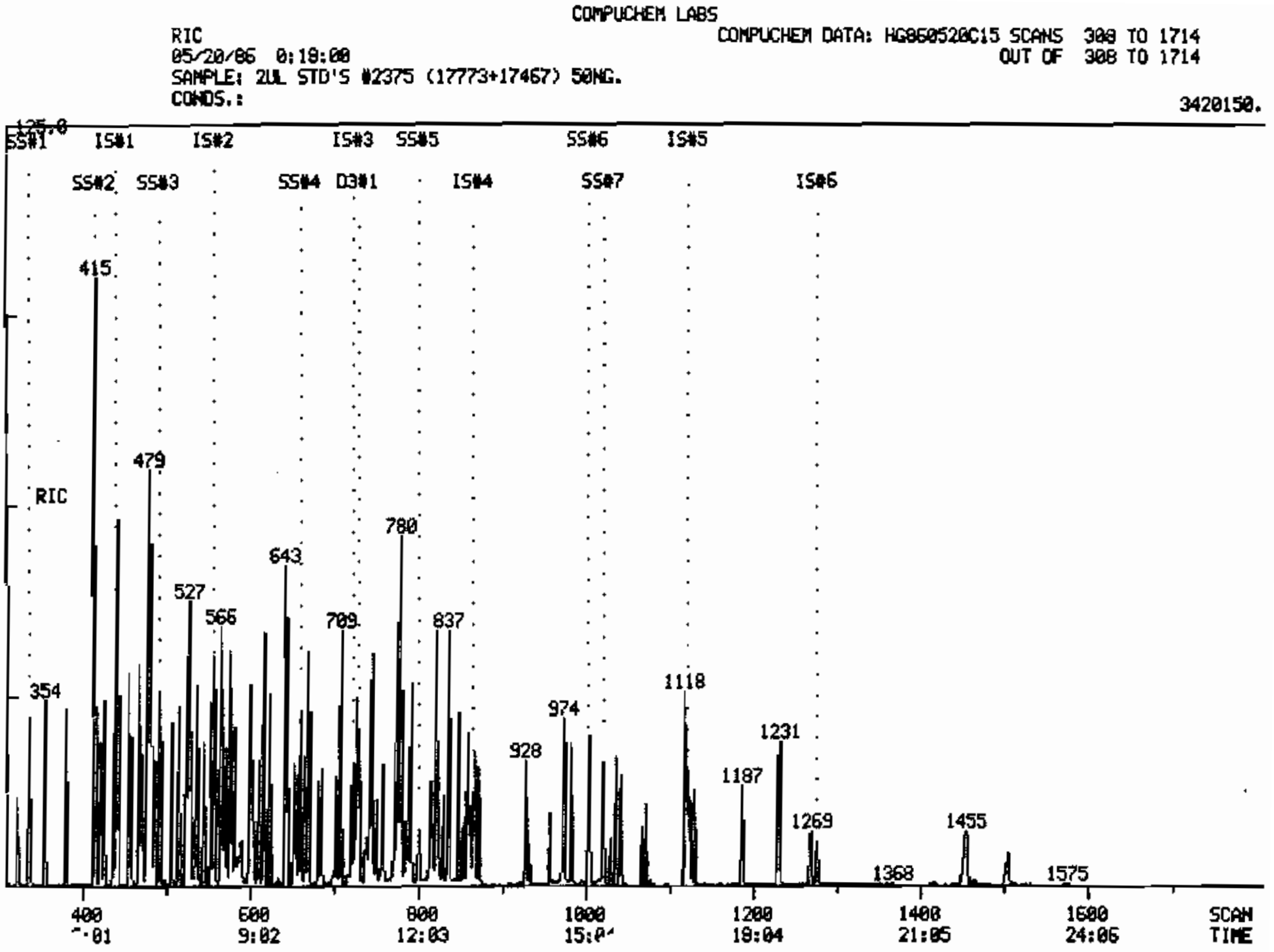
COMPUCHEM LABS
RIC
COMPUCHEM DATA: HG860520C15 SCANS 308 TO 1714
05/20/86 0:18:00
OUT OF 308 TO 1714
SAMPLE: 2UL STD'S #2375 (17773+17467) 50NG.
CONDS.:
3420150.
125.0
SS#1
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
415
479
RIC
780
643
527
566
709
837
354
1118
974
928
1231
1187
1269
1455
1368
1575
400
600
800
1000
1200
1400
1600
SCAN
9:02
12:03
15:04
18:04
21:05
24:06
TIME

QUANTITATION REPORT FILE: HQ860520C15

DATA: HQ860520C15.TI
5/20/86 0:18:00
SAMPLE: 2UL STD'S #2375 (17773+17467) 50NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 619

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	#467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	#459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	#497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

J.C. 5/20/86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	441	6:38	1	1.000	A BB	163380.	40.000 NG	0.98
2	94	415	6:15	1	0.941	A BV	550668.	50.000 NG	1.22
3	93	421	6:20	1	0.955	A VV	425720.	50.000 NG	1.22
4	128	425	6:24	1	0.964	A BV	351668.	50.000 NG	1.22
5	146	437	6:35	1	0.991	A BV	339704.	50.000 NG	1.22
6	146	442	6:39	1	1.002	A VV	347948.	50.000 NG	1.22
7	108	455	6:51	1	1.032	A*VV	232784.	50.000 NG	1.22
8	146	458	6:54	1	1.039	A BB	318636.	50.000 NG	1.22
9	108	468	7:03	1	1.061	A VV	301800.	50.000 NG	1.22
10	45	470	7:05	1	1.066	A VV	679064.	50.000 NG	1.22
11	108	480	7:14	1	1.088	A*VV	374704.	50.000 NG	1.22
12	70	482	7:16	1	1.093	A VV	330448.	50.000 NG	1.22
13	117	486	7:19	1	1.102	A BV	172796.	50.000 NG	1.22
14	77	493	7:25	1	1.118	A VV	444445.	50.000 NG	1.22
15	136	556	8:22	15	1.000	A BB	592504.	40.000 NG	0.98
16	82	515	7:45	15	0.926	A VV	821296.	50.000 NG	1.22
17	139	523	7:53	15	0.941	A BB	182084.	50.000 NG	1.22
18	122	528	7:57	15	0.950	A VV	255136.	50.000 NG	1.22
19	122	538	8:06	15	0.968	A VV	188620.	50.000 NG	1.22
20	93	537	8:05	15	0.966	A VV	395828.	50.000 NG	1.22
21	162	545	8:12	15	0.980	A BB	204260.	50.000 NG	1.22

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	553	8:20	15	0.995	A BB	222608.	50.000	NG	1.22
23	128	558	8:24	15	1.004	A BV	799632.	50.000	NG	1.22
24	127	565	8:31	15	1.016	A VV	353340.	50.000	NG	1.22
25	225	577	8:41	15	1.038	A BB	69408.	50.000	NG	1.22
26	107	611	9:12	15	1.099	A VV	274756.	50.000	NG	1.22
27	142	624	9:24	15	1.122	A VB	443212.	50.000	NG	1.22
28	164	724	10:54	28	1.000	A BB	240772.	40.000	NG	0.98
29	237	646	9:44	28	0.892	A BB	99348.	50.000	NG	1.22
30	196	656	9:53	28	0.906	A*BV	~~213284~~/066472	100.000	NG	2.44
31	196	656	9:53	28	0.906	A*BV	~~213284~~/066472	100.000	NG	2.44
32	162	669	10:04	28	0.924	A VV	379072.	50.000	NG	1.22
33	65	681	10:15	28	0.941	A BV	175039.	50.000	NG	1.22
34	163	703	10:35	28	0.971	A*BB	415952.	50.000	NG	1.22
35	152	709	10:41	28	0.979	A BB	600356.	50.000	NG	1.22
36	138	721	10:51	28	0.996	A BV	121268.	50.000	NG	1.22
37	153	727	10:57	28	1.004	A BB	360916.	50.000	NG	1.22
38	184	731	11:01	28	1.010	A*BV	33848.	50.000	NG	1.22
39	139	738	11:07	28	1.019	A VV	82552.	50.000	NG	1.22
40	168	743	11:11	28	1.026	A BV	476288.	50.000	NG	1.22
41	89	746	11:14	28	1.030	A*BV	167924.	50.000	NG	1.22
42	165	708	10:40	28	0.978	A VB	93476.	50.000	NG	1.22
43	149	772	11:38	28	1.066	A*BV	419392.	50.000	NG	1.22
44	204	777	11:42	28	1.073	A BB	156132.	50.000	NG	1.22
45	166	776	11:41	28	1.072	A VV	373712.	50.000	NG	1.22
46	138	780	11:45	28	1.077	A VV	96708.	50.000	NG	1.22
47	188	865	13:02	47	1.000	A VV	270440.	40.000	NG	0.98
48	198	785	11:49	47	0.908	A*VB	46516.	50.000	NG	1.22
49	169	788	11:52	47	0.911	A VV	258472.	50.000	NG	1.22
50	248	823	12:24	47	0.951	A VV	100080.	50.000	NG	1.22
51	284	837	12:36	47	0.968	A BB	132016.	50.000	NG	1.22
52	266	853	12:51	47	0.986	A BB	44032.	50.000	NG	1.22
53	178	868	13:04	47	1.003	A VV	472696.	50.000	NG	1.22
54	178	872	13:08	47	1.008	A VB	345272.	50.000	NG	1.22
55	149	928	13:59	47	1.073	A VV	537332.	50.000	NG	1.22
56	202	983	14:48	47	1.136	A VV	419884.	50.000	NG	1.22
57	240	1122	16:54	57	1.000	A VV	205920.	40.000	NG	0.98
58	202	1004	15:07	57	0.895	A VV	406319.	50.000	NG	1.22
59	149	1071	16:08	57	0.955	A VV	190560.	50.000	NG	1.22
60	252	1118	16:50	57	0.996	A VV	114176.	50.000	NG	1.22
61	228	1120	16:52	57	0.998	A BV	337907.	50.000	NG	1.22
62	149	1129	17:00	57	1.006	A VV	271919.	50.000	NG	1.22
63	228	1124	16:56	57	1.002	A VV	272574.	50.000	NG	1.22
64	264	1275	19:12	64	1.000	A VV	201944.	40.000	NG	0.98
65	149	1187	17:53	64	0.931	A*BB	685802.	50.000	NG	1.22
66	252	1228	18:30	64	0.963	A*VV	~~574431~~/285215	100.000	NG	2.44
67	252	1228	18:30	64	0.963	A*VV	~~574431~~/285215	100.000	NG	2.44
68	252	1268	19:06	64	0.995	A VV	274782.	50.000	NG	1.22
69	276	1453	21:53	64	1.140	A BV	352532.	50.000	NG	1.22
70	278	1455	21:55	64	1.141	A VV	286652.	50.000	NG	1.22
71	276	1505	22:40	64	1.180	A BV	289677.	50.000	NG	1.22
72	112	337	5:05	1	0.764	A BV	373488.	50.000	NG	1.22
73	99	414	6:14	1	0.939	A VV	473348.	50.000	NG	1.22
74	82	492	7:25	15	0.885	A VV	414844.	50.000	NG	1.22
75	172	661	9:57	28	0.913	A BV	384724.	50.000	NG	1.22
76	141	801	12:04	28	1.106	A VV	23800.	50.000	NG	1.22
77	244	1021	15:23	57	0.910	A VV	245520.	50.000	NG	1.22

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1002	15:05	57	0.893	A VV	320452.	50.000	NG	1.22
79	216	670	10:05	15	1.205	A BB	157712.	50.000	NG	1.22

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:38	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:15	1.00	10.000	0.09	50.00	50.00	2.696	2.696	1.00
3	6:20	1.00	10.000	0.10	50.00	50.00	2.085	2.085	1.00
4	6:24	1.00	10.000	0.10	50.00	50.00	1.722	1.722	1.00
5	6:35	1.00	10.000	0.10	50.00	50.00	1.663	1.663	1.00
6	6:39	1.00	10.000	0.10	50.00	50.00	1.704	1.704	1.00
7	6:51	1.00	10.000	0.10	50.00	50.00	1.140	1.140	1.00
8	6:54	1.00	10.000	0.10	50.00	50.00	1.560	1.560	1.00
9	7:03	1.00	10.000	0.11	50.00	50.00	1.478	1.478	1.00
10	7:05	1.00	10.000	0.11	50.00	50.00	3.325	3.325	1.00
11	7:14	1.00	10.000	0.11	50.00	50.00	1.835	1.835	1.00
12	7:16	1.00	10.000	0.11	50.00	50.00	1.618	1.618	1.00
13	7:19	1.00	10.000	0.11	50.00	50.00	0.846	0.846	1.00
14	7:25	1.00	10.000	0.11	50.00	50.00	2.176	2.176	1.00
15	8:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	7:45	1.00	10.000	0.09	50.00	50.00	1.109	1.109	1.00
17	7:53	1.00	10.000	0.09	50.00	50.00	0.246	0.246	1.00
18	7:57	1.00	10.000	0.09	50.00	50.00	0.344	0.344	1.00
19	8:06	1.00	50.000	0.02	50.00	50.00	0.255	0.255	1.00
20	8:05	1.00	10.000	0.10	50.00	50.00	0.334	0.334	1.00
21	8:12	1.00	10.000	0.10	50.00	50.00	0.276	0.276	1.00
22	8:20	1.00	10.000	0.10	50.00	50.00	0.301	0.301	1.00
23	8:24	1.00	10.000	0.10	50.00	50.00	1.080	1.080	1.00
24	8:31	1.00	10.000	0.10	50.00	50.00	0.477	0.477	1.00
25	8:41	1.00	10.000	0.10	50.00	50.00	0.094	0.094	1.00
26	9:12	1.00	10.000	0.11	50.00	50.00	0.371	0.371	1.00
27	9:24	1.00	10.000	0.11	50.00	50.00	0.598	0.598	1.00
28	10:54	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	9:44	1.00	10.000	0.09	50.00	50.00	0.330	0.330	1.00
30	9:53	1.00	10.000	0.09	100.00	100.00	0.354	0.354	1.00
31	9:53	1.00	50.000	0.02	100.00	100.00	0.354	0.354	1.00
32	10:04	1.00	10.000	0.09	50.00	50.00	1.260	1.260	1.00
33	10:15	1.00	50.000	0.02	50.00	50.00	0.582	0.582	1.00
34	10:35	1.00	10.000	0.10	50.00	50.00	1.382	1.382	1.00
35	10:41	1.00	10.000	0.10	50.00	50.00	1.995	1.995	1.00
36	10:51	1.00	50.000	0.02	50.00	50.00	0.403	0.403	1.00
37	10:57	1.00	10.000	0.10	50.00	50.00	1.199	1.199	1.00
38	11:01	1.00	50.000	0.02	50.00	50.00	0.112	0.112	1.00
39	11:07	1.00	50.000	0.02	50.00	50.00	0.274	0.274	1.00
40	11:11	1.00	10.000	0.10	50.00	50.00	1.583	1.583	1.00
41	11:14	1.00	10.000	0.10	50.00	50.00	0.558	0.558	1.00
42	10:40	1.00	10.000	0.10	50.00	50.00	0.311	0.311	1.00
43	11:38	1.00	10.000	0.11	50.00	50.00	1.393	1.393	1.00
44	11:42	1.00	10.000	0.11	50.00	50.00	0.519	0.519	1.00
45	11:41	1.00	10.000	0.11	50.00	50.00	1.242	1.242	1.00
46	11:45	1.00	50.000	0.02	50.00	50.00	0.321	0.321	1.00
47	13:02	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	11:49	1.00	50.000	0.02	50.00	50.00	0.138	0.138	1.00
49	11:52	1.00	10.000	0.09	50.00	50.00	0.765	0.765	1.00
50	12:24	1.00	10.000	0.10	50.00	50.00	0.296	0.296	1.00
51	12:36	1.00	10.000	0.10	50.00	50.00	0.391	0.391	1.00
52	12:51	1.00	50.000	0.02	50.00	50.00	0.130	0.130	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	13:04	1.00	10.000	0.10	50.00	50.00	1.398	1.398	1.00
54	13:08	1.00	10.000	0.10	50.00	50.00	1.021	1.021	1.00
55	13:59	1.00	10.000	0.11	50.00	50.00	1.590	1.590	1.00
56	14:48	1.00	10.000	0.11	50.00	50.00	1.242	1.242	1.00
57	16:54	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:07	1.00	10.000	0.09	50.00	50.00	1.579	1.579	1.00
59	16:08	1.00	10.000	0.10	50.00	50.00	0.740	0.740	1.00
60	16:50	1.00	20.000	0.05	50.00	50.00	0.444	0.444	1.00
61	16:52	1.00	10.000	0.10	50.00	50.00	1.313	1.313	1.00
62	17:00	1.00	10.000	0.10	50.00	50.00	1.056	1.056	1.00
63	16:56	1.00	10.000	0.10	50.00	50.00	1.059	1.059	1.00
64	19:12	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	17:53	1.00	10.000	0.09	50.00	50.00	2.717	2.717	1.00
66	18:30	1.00	10.000	0.10	100.00	100.00	1.142	1.142	1.00
67	18:30	1.00	10.000	0.10	100.00	100.00	1.142	1.142	1.00
68	19:06	1.00	10.000	0.10	50.00	50.00	1.089	1.089	1.00
69	21:53	1.00	10.000	0.11	50.00	50.00	1.397	1.397	1.00
70	21:55	1.00	10.000	0.11	50.00	50.00	1.136	1.136	1.00
71	22:40	1.00	10.000	0.12	50.00	50.00	1.148	1.148	1.00
72	5:05	1.00	0.742	1.03	50.00	50.00	1.829	1.829	1.00
73	6:14	1.00	0.948	0.99	50.00	50.00	2.318	2.318	1.00
74	7:25	1.00	0.875	1.01	50.00	50.00	0.560	0.560	1.00
75	9:57	1.00	0.906	1.01	50.00	50.00	1.278	1.278	1.00
76	12:04	1.00	1.118	0.99	50.00	50.00	0.079	0.079	1.00
77	15:23	1.00	0.907	1.00	50.00	50.00	0.954	0.954	1.00
78	15:05	1.00	10.000	0.09	50.00	50.00	1.245	1.245	1.00
79	10:05	1.00	1.000	1.21	50.00	50.00	0.213	0.213	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 20:38 Shift(s) (A) ___ (B) ← (C) ___
Time Tune Expires 08:38 Date ___
Analysis Type ___

Run Log

	REJECTED	File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #s, Disposition, Etc.)
1		DI86051715		5/19/86	20:38	DI-TPP		1ul	603		3117	7050
2		HG860520C15		5/20/86	0:18	STD	SOWG	1ul	609		3117	2375
3	RC	SC860520C15		5/20/86	2:17	"		1ul	609		3117	342
4	"	SD860520C15		5/20/86	3:06	"		1ul	609		3117	"
5		SC860520C15		5/20/86	3:48	"		1ul	609		3117	"
6		GH085003C15		5/20/86	6:00	G-SED	URS WEST	1ul	609		3117	
7		GH085004C15		5/20/86	6:27	H-SED	"	1ul	609		3117	
8		GH085005A15		5/20/86	8:10	C-SED	URS-W	1ul	710		3117	= H
9				/ /	:							
10				/ /	:							
11				/ /	:							
12				/ /	:							
13				/ /	:							
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5/20 Rc

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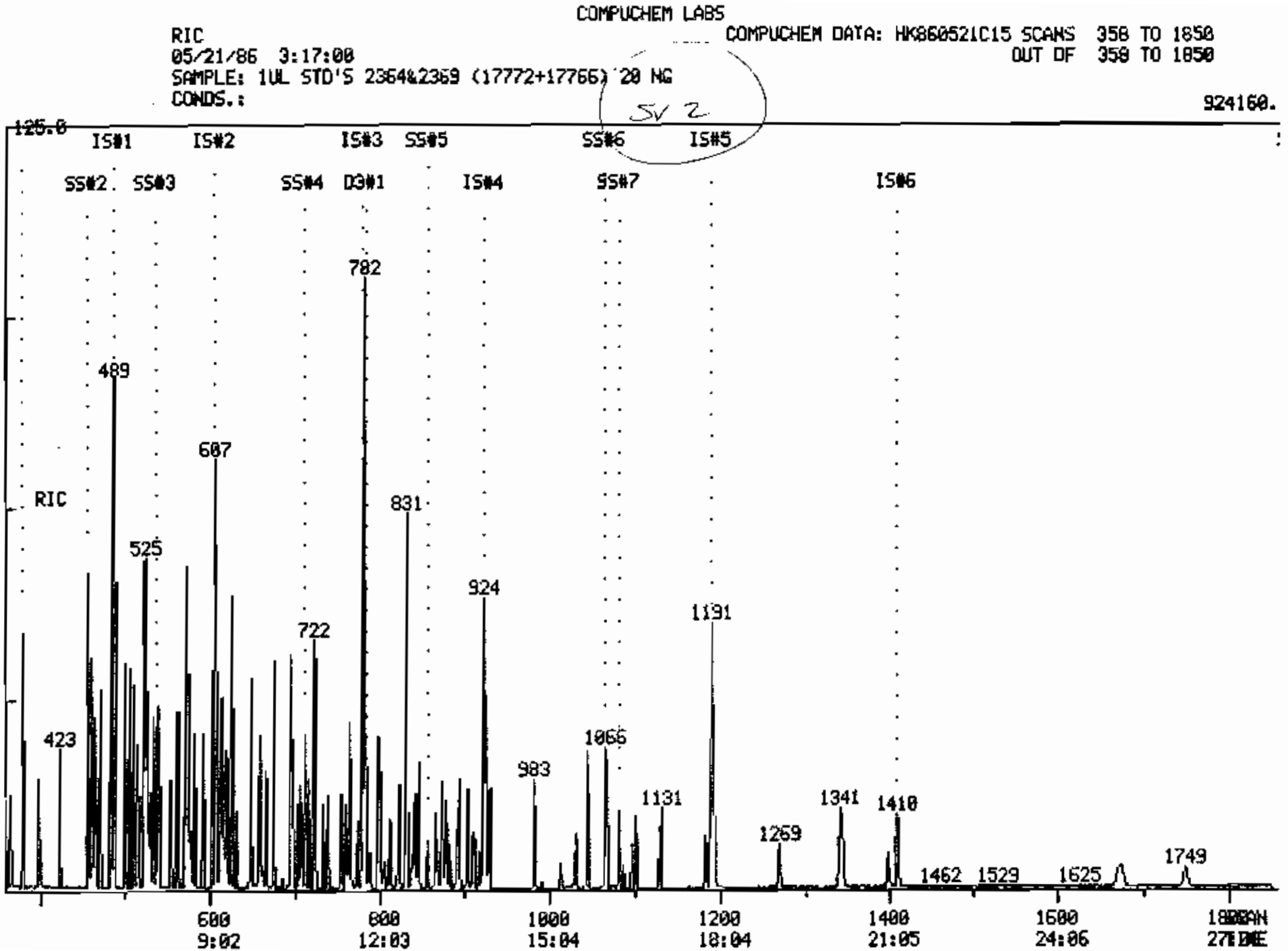

COMPUCHEM LABS
RIC
05/21/86 3:17:00
SAMPLE: 1UL STD'S 2364&2369 (17772+17766) 20 NG
CONDS.:
COMPUCHEM DATA: HK860521C15 SCANS 358 TO 1850
OUT OF 358 TO 1850
924160.
125.0
SV 2
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
RIC
423
489
525
607
722
782
831
924
983
1066
1131
1191
1269
1341
1410
1462
1529
1625
1749
600
9:02
800
12:03
1000
15:04
1200
18:04
1400
21:05
1600
24:06

QUANTITATION REPORT FILE: HKB60521C15

DATA: HKB60521C15.TI
05/21/86 3:17:00
SAMPLE: 1UL STD'S 2364&2369 (17772+17766) 20 NG
CONDS. :
SUBMITTED BY: 15 ANALYST: 754

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (Q1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
4	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
7	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
9	620 2-METHYLPHENOL (Q1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
11	622 4-METHYLPHENOL (Q1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
13	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
14	440 NITROBENZENE (Q1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (Q2#2) <78-59-1>
17	606 2-NITROPHENOL (Q2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
19	625 BENZOIC ACID (Q2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
23	439 NAPHTHALENE (Q2#9) <91-20-3>
24	475 4-CHLOROANILINE (Q2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	433 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
33	478 2-NITROANILINE (Q3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
35	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
36	479 3-NITROANILINE (Q3#9) <99-09-2>
37	401 ACENAPHTHENE (Q3#10) <83-32-9>
38	605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
39	607 4-NITROPHENOL (Q3#12) <100-02-7>
40	476 DIBENZOFURAN (Q3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
45	432 FLUORENE (Q3#18) <86-73-7>
46	480 4-NITROANILINE (Q3#19) <100-01-6>

NO	NAME
47	#467 D10-PHENANTHRENE (I8#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
53	444 PHENANTHRENE (Q4#7) <85-01-8>
54	403 ANTHRACENE (Q4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
56	431 FLUORANTHENE (Q4#10) <206-44-0>
57	#459 D12-CHRYSENE (IS#5)
58	445 PYRENE (Q5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
63	418 CHRYSENE (Q5#8) <218-01-9>
64	#497 D12-PERYLENE (I8#6)
65	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
68	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	487	7:20	1	1.000	A BB	118360.	40.000	NG	2.50
2	94	458	6:54	1	0.940	A BV	157756.	17.788	NG	1.11
3	93	462	6:57	1	0.949	A BV	118769.	16.145	NG	1.01
4	128	471	7:06	1	0.967	A BB	94304.	18.016	NG	1.12
5	146	484	7:17	1	0.994	A BV	100556.	19.882	NG	1.24
6	146	489	7:22	1	1.004	A VB	106032.	21.917	NG	1.37
7	108	500	7:32	1	1.027	A BB	61268.	15.294	NG	0.95
8	146	506	7:37	1	1.039	A BB	94292.	20.000	NG	1.25
9	108	511	7:42	1	1.049	A BB	83256.	17.044	NG	1.06
10	45	515	7:45	1	1.057	A BB	195368.	13.164	NG	0.82
11	108	524	7:53	1	1.076	A BV	88692.	16.483	NG	1.03
12	70	527	7:56	1	1.082	A VB	83108.	13.622	NG	0.85
13	117	535	8:03	1	1.099	A BB	46012.	18.073	NG	1.13
14	77	541	8:09	1	1.111	A*VB	106992.	13.275	NG	0.83
15	136	606	9:08	15	1.000	A BB	432844.	40.000	NG	2.50
16	82	563	8:29	15	0.929	A BB	193000.	16.343	NG	1.02
17	139	571	8:36	15	0.942	A BB	44680.	18.120	NG	1.13
18	122	574	8:39	15	0.947	A BV	77332.	19.449	NG	1.21
19	122	579	8:43	15	0.955	A VV	37816.	12.108	NG	0.76
20	93	583	8:47	15	0.962	A BB	101452.	15.523	NG	0.97
21	162	593	8:56	15	0.979	A BB	52760.	18.789	NG	1.17

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	602	9:04	15	0.993	A BB	68480.	23.466	NG	1.46
23	128	608	9:09	15	1.003	A BB	244060.	20.994	NG	1.31
24	127	614	9:15	15	1.013	A BB	83576.	18.212	NG	1.14
25	225	626	9:26	15	1.033	A BB	31200.	23.530	NG	1.47
26	107	659	9:55	15	1.087	A BV	70524.	18.080	NG	1.13
27	142	675	10:10	15	1.114	A BB	133752.	20.171	NG	1.26
28	164	779	11:44	28	1.000	A BB	180032.	40.000	NG	2.50
29	237	697	10:30	28	0.895	A BB	22464.	21.361	NG	1.33
30	196	707	10:39	28	0.908	A*BB	28940 ~~57880~~.	54.588	NG	3.41
31	196	707	10:39	28	0.908	A*BB	28940 ~~57880~~.	40.623	NG	2.53
32	162	722	10:52	28	0.927	A BB	116136.	22.197	NG	1.38
33	65	733	11:02	28	0.941	A BB	32492.	9.345	NG	0.58
34	163	753	11:20	28	0.967	A BB	120108.	18.985	NG	1.18
35	152	764	11:30	28	0.981	A BB	167172.	19.304	NG	1.20
36	138	773	11:38	28	0.992	A BB	26248.	14.722	NG	0.92
37	153	782	11:47	28	1.004	A BB	123512.	22.474	NG	1.40
38	184	783	11:48	28	1.005	A BB	11772.	19.611	NG	1.22
39	139	787	11:51	28	1.010	A VB	18600.	13.802	NG	0.86
40	168	797	12:00	28	1.023	A BB	138768.	19.336	NG	1.21
41	89	798	12:01	28	1.024	A BV	28692.	10.414	NG	0.65
42	165	760	11:27	28	0.976	A BB	22272.	15.663	NG	0.98
43	149	823	12:24	28	1.056	A BB	110832.	18.693	NG	1.17
44	204	830	12:30	28	1.065	A BB	47644.	21.226	NG	1.32
45	166	831	12:31	28	1.067	A BB	111040.	20.310	NG	1.27
46	138	833	12:33	28	1.069	A BB	25476.	15.603	NG	0.97
47	188	924	13:55	47	1.000	A BV	232888.	40.000	NG	2.50
48	198	838	12:37	47	0.907	A BB	12584.	15.850	NG	0.99
49	169	842	12:41	47	0.911	A BB	72824.	18.444	NG	1.15
50	248	878	13:13	47	0.950	A BB	25480.	18.502	NG	1.15
51	284	894	13:28	47	0.968	A BB	33804.	19.668	NG	1.23
52	266	910	13:42	47	0.985	A*BB	15728.	15.681	NG	0.98
53	178	926	13:57	47	1.002	A BV	142372.	19.620	NG	1.22
54	178	930	14:00	47	1.006	A VB	113356.	19.477	NG	1.21
55	149	983	14:48	47	1.064	A VV	149792.	14.159	NG	0.88
56	202	1045	15:44	47	1.131	A BV	118684.	17.853	NG	1.11
57	240	1190	17:55	57	1.000	A VV	133264.	48.000	NG	2.50
58	202	1067	16:04	57	0.897	A VV	124556.	23.824	NG	1.49
59	149	1131	17:02	57	0.950	A BB	47508.	14.711	NG	0.92
60	252	1184	17:50	57	0.995	A BB	28160.	14.293	NG	0.89
61	228	1188	17:53	57	0.998	A VV	81568.	19.063	NG	1.19
62	149	1191	17:56	57	1.001	A VB	69088.	14.769	NG	0.92
63	228	1193	17:58	57	1.003	A VV	77800.	18.514	NG	1.15
64	264	1409	21:13	64	1.000	A BV	98836.	40.000	NG	2.50
65	149	1269	19:07	64	0.901	A BV	76828.	19.783	NG	1.23
66	252	1340	20:11	64	0.951	M XX	71280.	21.725	NG	1.36
67	252	1343	20:14	64	0.953	M XX	58272.	22.644	NG	1.41
68	252	1398	21:03	64	0.992	A BV	51900.	18.142	NG	1.13
69	276	1671	25:10	64	1.186	A BB	51760.	15.222	NG	0.95
70	278	1674	25:13	64	1.188	A BB	43332.	15.755	NG	0.98
71	276	1748	26:19	64	1.241	A BB	42724.	15.792	NG	0.99
72	112	380	5:43	1	0.780	A BB	109220.	18.037	NG	1.13
73	99	457	6:53	1	0.938	A BB	133544.	16.037	NG	1.00
74	82	539	8:07	15	0.889	A VB	98872.	14.184	NG	0.88
75	172	711	10:42	28	0.913	A BB	123708.	21.875	NG	1.36
76	141	856	12:53	28	1.099	A BB	5400.	11.995	NG	0.75
77	244	1081	16:17	57	0.908	A VB	66392.	17.541	NG	1.09

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
78	212	1066	16:03	57	0.096	A BV	94076.	19.009 NG	1.19
79	216	723	10:53	15	1.193	A BB	49192.	27.236 NG	1.70

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	0:09	0.90	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	7:43	0.89	10.000	0.09	17.79	50.00	1.066	2.997	0.36
3	7:49	0.89	10.000	0.09	16.15	50.00	0.803	2.486	0.32
4	7:53	0.90	10.000	0.10	18.02	50.00	0.637	1.769	0.36
5	8:06	0.90	10.000	0.10	19.88	50.00	0.680	1.709	0.40
6	8:10	0.90	10.000	0.10	21.92	50.00	0.717	1.635	0.44
7	8:23	0.90	10.000	0.10	15.29	50.00	0.414	1.354	0.31
8	8:27	0.90	10.000	0.10	20.00	50.00	0.637	1.593	0.40
9	8:36	0.90	10.000	0.10	17.04	50.00	0.563	1.651	0.34
10	8:39	0.90	10.000	0.11	13.16	50.00	1.320	5.016	0.26
11	8:48	0.90	10.000	0.11	16.48	50.00	0.599	1.818	0.33
12	8:50	0.90	10.000	0.11	13.62	50.00	0.562	2.062	0.27
13	8:56	0.90	10.000	0.11	18.07	50.00	0.311	0.860	0.36
14	9:02	0.90	10.000	0.11	13.28	50.00	0.723	2.724	0.27
15	10:05	0.91	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	9:24	0.90	10.000	0.09	16.34	50.00	0.357	1.091	0.33
17	9:31	0.90	10.000	0.09	18.12	50.00	0.083	0.228	0.36
18	9:36	0.90	10.000	0.09	19.45	50.00	0.143	0.367	0.39
19	9:45	0.89	50.000	0.02	12.11	50.00	0.068	0.283	0.24
20	9:45	0.90	10.000	0.10	15.52	50.00	0.180	0.604	0.31
21	9:53	0.90	10.000	0.10	18.79	50.00	0.098	0.259	0.38
22	10:01	0.90	10.000	0.10	23.47	50.00	0.127	0.270	0.47
23	10:07	0.91	10.000	0.10	20.99	50.00	0.451	1.074	0.42
24	10:13	0.90	10.000	0.10	18.21	50.00	0.154	0.424	0.36
25	10:25	0.91	10.000	0.10	23.53	50.00	0.058	0.123	0.47
26	10:59	0.90	10.000	0.11	18.08	50.00	0.130	0.360	0.36
27	11:11	0.91	10.000	0.11	20.17	50.00	0.247	0.613	0.40
28	12:51	0.91	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	11:33	0.91	10.000	0.09	21.36	50.00	0.100	0.234	0.43
30	10:35	1.01	10.000	0.09	54.59	50.00	0.257	0.236	1.09
31	10:35	1.01	50.000	0.02	40.62	50.00	0.257	0.317	0.81
32	11:56	0.91	10.000	0.09	22.20	50.00	0.316	1.162	0.44
33	12:00	0.91	50.000	0.02	9.34	50.00	0.144	0.773	0.19
34	12:29	0.91	10.000	0.10	18.99	50.00	0.534	1.406	0.38
35	12:36	0.91	10.000	0.10	19.30	50.00	0.743	1.924	0.39
36	12:46	0.91	50.000	0.02	14.72	50.00	0.117	0.396	0.29
37	12:53	0.91	10.000	0.10	22.47	50.00	0.349	1.221	0.45
38	12:56	0.91	50.000	0.02	19.61	50.00	0.052	0.133	0.39
39	13:03	0.91	50.000	0.02	13.80	50.00	0.083	0.299	0.28
40	13:09	0.91	10.000	0.10	19.34	50.00	0.617	1.594	0.39
41	13:12	0.91	10.000	0.10	10.41	50.00	0.127	0.612	0.21
42	12:34	0.91	10.000	0.10	15.66	50.00	0.099	0.316	0.31
43	13:20	0.93	10.000	0.11	18.69	50.00	0.492	1.317	0.37
44	13:42	0.91	10.000	0.11	21.23	50.00	0.212	0.499	0.42
45	13:41	0.91	10.000	0.11	20.31	50.00	0.493	1.215	0.41
46	13:44	0.91	50.000	0.02	15.60	50.00	0.113	0.363	0.31
47	15:09	0.92	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	13:50	0.91	50.000	0.02	15.85	50.00	0.043	0.136	0.32
49	13:53	0.91	10.000	0.09	18.44	50.00	0.250	0.670	0.37
50	14:27	0.91	10.000	0.10	18.50	50.00	0.088	0.237	0.37
51	14:41	0.92	10.000	0.10	19.67	50.00	0.116	0.295	0.39
52	14:57	0.92	50.000	0.02	15.68	50.00	0.054	0.172	0.31

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	15:12	0.92	10.000	0.10	19.62	50.00	0.489	1.246	0.39
54	15:16	0.92	10.000	0.10	19.48	50.00	0.389	1.000	0.39
55	16:10	0.92	10.000	0.11	14.16	50.00	0.515	1.817	0.28
56	17:05	0.92	10.000	0.11	17.85	50.00	0.408	1.142	0.36
57	19:21	0.93	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	17:26	0.92	10.000	0.09	23.82	50.00	0.748	1.569	0.48
59	18:31	0.92	10.000	0.10	14.71	50.00	0.285	0.969	0.29
60	19:17	0.92	20.000	0.05	14.29	50.00	0.121	0.423	0.29
61	19:20	0.93	10.000	0.10	19.06	50.00	0.490	1.284	0.38
62	19:27	0.92	10.000	0.10	14.77	50.00	0.415	1.404	0.30
63	19:23	0.93	10.000	0.10	18.51	50.00	0.467	1.261	0.37
64	21:56	0.97	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	20:23	0.94	10.000	0.09	19.78	50.00	0.622	1.572	0.40
66	21:12	0.95	10.000	0.10	21.73	50.00	0.577	1.328	0.43
67	21:12	0.95	10.000	0.10	22.64	50.00	0.472	1.041	0.45
68	21:49	0.96	10.000	0.10	18.14	50.00	0.420	1.158	0.36
69	24:50	1.01	10.008	0.12	15.22	50.00	0.419	1.376	8.30
70	24:52	1.01	10.000	0.12	15.76	50.00	0.351	1.113	0.32
71	25:41	1.02	10.000	0.12	15.79	50.00	0.346	1.095	0.32
72	6:22	0.90	0.742	1.05	18.04	50.00	0.738	2.046	0.36
73	7:42	0.89	0.948	0.99	16.04	50.00	0.903	2.814	0.32
74	9:00	0.90	0.875	1.02	14.18	50.00	0.183	0.644	0.28
75	11:48	0.91	0.906	1.01	21.87	50.00	0.550	1.257	0.44
76	14:05	0.91	1.118	0.98	11.99	50.00	0.024	0.100	0.24
77	17:41	0.92	0.907	1.00	17.54	50.00	0.399	1.136	0.35
78	17:24	0.92	10.000	0.09	19.01	50.00	0.565	1.485	0.38
79	11:58	0.91	1.000	1.19	27.24	50.00	0.091	0.167	0.54

COMPUCHEM LABS

RIC

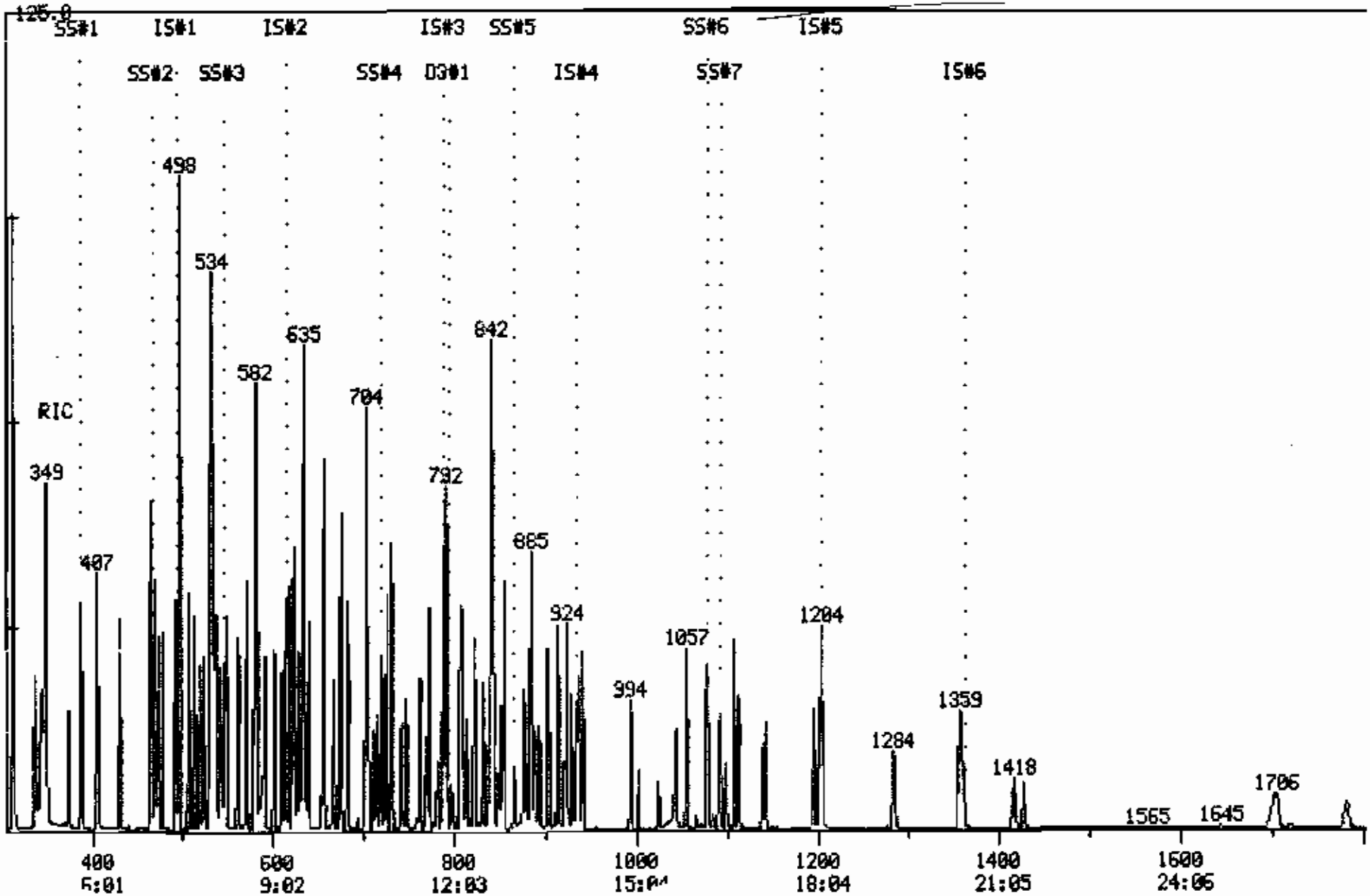
COMPUCHEM DATA: HC060520815 SCANS 305 TO 1805
OUT OF 305 TO 2280

05/20/86 21:43:00

SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.

CONDS.:

50 - Sv 2



QUANTITATION REPORT FILE: HG860520B15

DATA: HG860520B15.TI
05/20/86 21:43:00
SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	#467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLORDPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	#459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	#497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

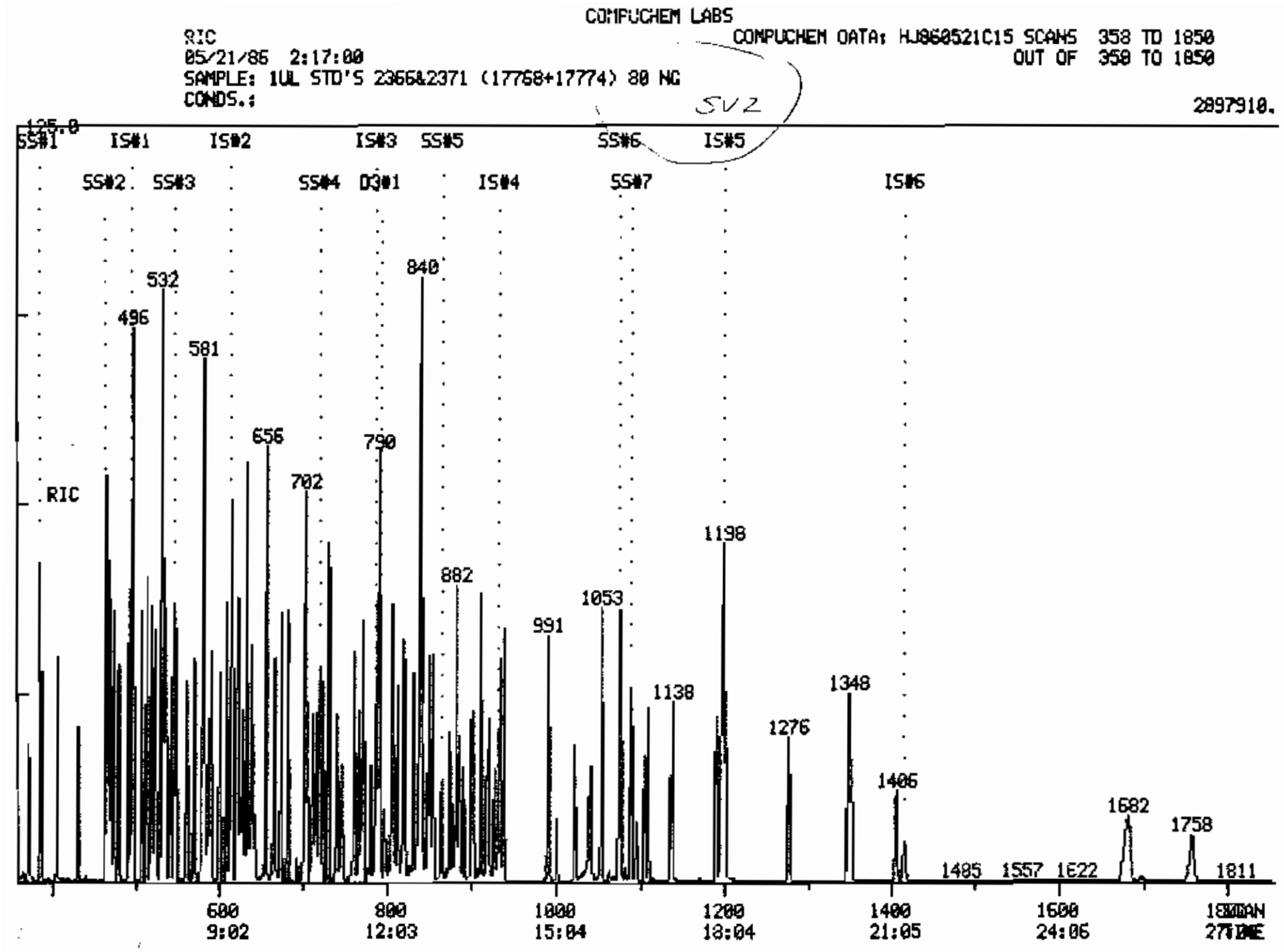
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	496	7:28	1	1.000	A BB	118604.	40.000 NG	1.08
2	94	467	7:02	1	0.942	A BV	384984.	50.000 NG	1.35
3	93	474	7:08	1	0.956	A VV	327816.	50.000 NG	1.35
4	128	480	7:14	1	0.968	A BB	237196.	50.000 NG	1.35
5	146	493	7:25	1	0.994	A BV	245940.	50.000 NG	1.35
6	146	498	7:30	1	1.004	A VB	259552.	50.000 NG	1.35
7	108	509	7:40	1	1.026	A BV	166588.	50.000 NG	1.35
8	146	515	7:45	1	1.038	A BB	238752.	50.000 NG	1.35
9	108	520	7:50	1	1.048	A BV	221056.	50.000 NG	1.35
10	45	524	7:53	1	1.056	A VV	560088.	50.000 NG	1.35
11	108	533	8:02	1	1.075	A BV	241868.	50.000 NG	1.35
12	70	536	8:04	1	1.081	A VV	238296.	50.000 NG	1.35
13	117	544	8:12	1	1.097	A BB	117308.	50.000 NG	1.35
14	77	550	8:17	1	1.109	A#VV	307040.	50.000 NG	1.35
15	136	616	9:17	15	1.000	A BB	457184.	40.000 NG	1.08
16	82	572	8:37	15	0.929	A BB	590804.	50.000 NG	1.35
17	139	580	8:44	15	0.942	A BB	119264.	50.000 NG	1.35
18	122	583	8:47	15	0.946	A BV	203968.	50.000 NG	1.35
19	122	590	8:53	15	0.958	A VV	109108.	50.000 NG	1.35
20	93	592	8:55	15	0.961	A BB	291296.	50.000 NG	1.35
21	162	602	9:04	15	0.977	A BB	148404.	50.000 NG	1.35

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	611	9:12	15	0.992	A BB	173632.	50.000	NG	1.35
23	128	617	9:18	15	1.002	A BB	625584.	50.000	NG	1.35
24	127	623	9:23	15	1.011	A VV	232920.	50.000	NG	1.35
25	225	635	9:34	15	1.031	A BB	80784.	50.000	NG	1.35
26	107	668	10:04	15	1.084	A BV	186756.	50.000	NG	1.35
27	142	684	10:18	15	1.110	A BB	348368.	50.000	NG	1.35
28	164	789	11:53	28	1.000	A BB	195004.	40.000	NG	1.08
29	237	707	10:39	28	0.896	A BB	73592.	50.000	NG	1.35
30	196	717	10:48	28	0.909	A*BB	~~164836~~ $24/9	100.000	NG	2.69
31	196	717	10:48	28	0.909	A*BB	~~164836~~ $24/9	100.000	NG	2.69
32	162	732	11:01	28	0.928	A BB	310800.	50.000	NG	1.35
33	65	743	11:11	28	0.942	A BV	110276.	50.000	NG	1.35
34	163	764	11:30	28	0.968	A BB	319476.	50.000	NG	1.35
35	152	774	11:39	28	0.981	A BB	469364.	50.000	NG	1.35
36	138	783	11:48	28	0.992	A BV	80320.	50.000	NG	1.35
37	153	792	11:56	28	1.004	A BB	309484.	50.000	NG	1.35
38	184	794	11:57	28	1.006	A BB	30128.	50.000	NG	1.35
39	139	798	12:01	28	1.011	A VV	54728.	50.000	NG	1.35
40	168	808	12:10	28	1.024	A BB	394820.	50.000	NG	1.35
41	89	809	12:11	28	1.025	A VV	103568.	50.000	NG	1.35
42	165	770	11:36	28	0.976	A VB	66740.	50.000	NG	1.35
43	149	834	12:34	28	1.057	A VV	281688.	50.000	NG	1.35
44	204	841	12:40	28	1.066	A BB	128208.	50.000	NG	1.35
45	166	842	12:41	28	1.067	A BV	307860.	50.000	NG	1.35
46	138	844	12:43	28	1.070	A VV	72652.	50.000	NG	1.35
47	188	935	14:05	47	1.000	A*BV	243472.	40.000	NG	1.08
48	198	849	12:47	47	0.908	A BB	36752.	50.000	NG	1.35
49	169	852	12:50	47	0.911	A VB	204760.	50.000	NG	1.35
50	248	889	13:23	47	0.951	A BB	80412.	50.000	NG	1.35
51	284	905	13:38	47	0.968	A BB	103648.	50.000	NG	1.35
52	266	922	13:53	47	0.986	A VB	52336.	50.000	NG	1.35
53	178	938	14:08	47	1.003	A BV	390480.	50.000	NG	1.35
54	178	942	14:11	47	1.007	A VB	305108.	50.000	NG	1.35
55	149	994	14:58	47	1.063	A VV	456836.	50.000	NG	1.35
56	202	1057	15:55	47	1.130	A VV	340799.	50.000	NG	1.35
57	240	1203	18:07	57	1.000	A VV	158732.	40.000	NG	1.08
58	202	1080	16:16	57	0.898	A VV	330781.	50.000	NG	1.35
59	149	1143	17:13	57	0.950	A VV	155476.	50.000	NG	1.35
60	252	1196	18:01	57	0.994	A BV	73560.	50.000	NG	1.35
61	228	1201	18:05	57	0.998	A VV	252328.	50.000	NG	1.35
62	149	1204	18:08	57	1.001	A VV	235916.	50.000	NG	1.35
63	228	1206	18:10	57	1.002	A VB	225234.	50.000	NG	1.35
64	264	1429	21:31	64	1.000	A BB	128296.	40.000	NG	1.08
65	149	1284	19:20	64	0.899	A BB	344926.	50.000	NG	1.35
66	252	1357	20:26	64	0.950	A BV	218328.	50.000	NG	1.35
67	252	1362	20:31	64	0.953	A VB	183517.	50.000	NG	1.35
68	252	1418	21:21	64	0.992	A BV	181531.	50.000	NG	1.35
69	276	1702	25:38	64	1.191	A BB	206138.	50.000	NG	1.35
70	278	1707	25:42	64	1.195	A BB	169072.	50.000	NG	1.35
71	276	1784	26:52	64	1.248	A BV	167656.	50.000	NG	1.35
72	112	388	5:51	1	0.782	A BB	269132.	50ng ~~15.625~~	NG	0.42
73	99	466	7:01	1	0.940	A*BB	359140.	50ng ~~15.625~~	NG	0.42
74	82	548	8:15	15	0.890	A VB	275508.	50ng ~~15.625~~	NG	0.42
75	172	721	10:51	28	0.914	A BB	323304.	50ng ~~15.625~~	NG	0.42
76	141	867	13:03	28	1.099	A VV	16480.	50ng ~~15.625~~	NG	0.42
77	244	1093	16:28	57	0.909	A VV	192968.	50ng ~~15.625~~	NG	0.42

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1078	16:14	57	0.896	A VV	263748.	~~15.825~~	NG	0.42
79	216	733	11:02	15	1.190	A BB	128848.	~~15.825~~	NG	0.42

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	7:02	1.00	10.000	0.09	50.00	50.00	2.597	2.597	1.00
3	7:08	1.00	10.000	0.10	50.00	50.00	2.211	2.211	1.00
4	7:14	1.00	10.000	0.10	50.00	50.00	1.600	1.600	1.00
5	7:25	1.00	10.000	0.10	50.00	50.00	1.659	1.659	1.00
6	7:30	1.00	10.000	0.10	50.00	50.00	1.751	1.751	1.00
7	7:40	1.00	10.000	0.10	50.00	50.00	1.124	1.124	1.00
8	7:45	1.00	10.000	0.10	50.00	50.00	1.610	1.610	1.00
9	7:50	1.00	10.000	0.10	50.00	50.00	1.491	1.491	1.00
10	7:53	1.00	10.000	0.11	50.00	50.00	3.778	3.778	1.00
11	8:02	1.00	10.000	0.11	50.00	50.00	1.631	1.631	1.00
12	8:04	1.00	10.000	0.11	50.00	50.00	1.607	1.607	1.00
13	8:12	1.00	10.000	0.11	50.00	50.00	0.791	0.791	1.00
14	8:17	1.00	10.000	0.11	50.00	50.00	2.071	2.071	1.00
15	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:37	1.00	10.000	0.09	50.00	50.00	1.034	1.034	1.00
17	8:44	1.00	10.000	0.09	50.00	50.00	0.209	0.209	1.00
18	8:47	1.00	10.000	0.09	50.00	50.00	0.357	0.357	1.00
19	8:53	1.00	50.000	0.02	50.00	50.00	0.191	0.191	1.00
20	8:55	1.00	10.000	0.10	50.00	50.00	0.510	0.510	1.00
21	9:04	1.00	10.000	0.10	50.00	50.00	0.260	0.260	1.00
22	9:12	1.00	10.000	0.10	50.00	50.00	0.304	0.304	1.00
23	9:18	1.00	10.000	0.10	50.00	50.00	1.095	1.095	1.00
24	9:23	1.00	10.000	0.10	50.00	50.00	0.408	0.408	1.00
25	9:34	1.00	10.000	0.10	50.00	50.00	0.141	0.141	1.00
26	10:04	1.00	10.000	0.11	50.00	50.00	0.327	0.327	1.00
27	10:18	1.00	10.000	0.11	50.00	50.00	0.610	0.610	1.00
28	11:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:39	1.00	10.000	0.09	50.00	50.00	0.302	0.302	1.00
30	10:48	1.00	10.000	0.09	100.00	100.00	0.338	0.338	1.00
31	10:48	1.00	50.000	0.02	100.00	100.00	0.338	0.338	1.00
32	11:01	1.00	10.000	0.09	50.00	50.00	1.275	1.275	1.00
33	11:11	1.80	50.000	0.02	50.00	50.00	0.452	0.452	1.00
34	11:30	1.00	10.000	0.10	50.00	50.00	1.311	1.311	1.00
35	11:39	1.00	10.000	0.10	50.00	50.00	1.926	1.926	1.00
36	11:48	1.00	50.000	0.02	50.00	50.00	0.330	0.330	1.00
37	11:56	1.00	10.000	0.10	50.00	50.00	1.270	1.270	1.00
38	11:57	1.00	50.000	0.02	50.00	50.00	0.124	0.124	1.00
39	12:01	1.00	50.000	0.02	50.00	50.00	0.225	0.225	1.00
40	12:10	1.00	10.000	0.10	50.00	50.00	1.620	1.620	1.00
41	12:11	1.00	10.000	0.10	50.00	50.00	0.425	0.425	1.00
42	11:36	1.00	10.000	0.10	50.00	50.00	0.274	0.274	1.00
43	12:34	1.00	10.000	0.11	50.00	50.00	1.156	1.156	1.00
44	12:40	1.00	10.000	0.11	50.00	50.00	0.526	0.526	1.00
45	12:41	1.00	10.000	0.11	50.00	50.00	1.263	1.263	1.00
46	12:43	1.00	50.000	0.02	50.00	50.00	0.298	0.298	1.00
47	14:05	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:47	1.00	50.000	0.02	50.00	50.00	0.121	0.121	1.00
49	12:50	1.00	10.000	0.09	50.00	50.00	0.673	0.673	1.00
50	13:23	1.00	10.000	0.10	50.00	50.00	0.264	0.264	1.00
51	13:38	1.00	10.000	0.10	50.00	50.00	0.341	0.341	1.00
52	13:53	1.00	50.000	0.02	50.00	50.00	0.172	0.172	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	14:08	1.00	10.000	0.10	50.00	50.00	1.283	1.283	1.00
54	14:11	1.00	10.000	0.10	50.00	50.00	1.003	1.003	1.00
55	14:58	1.00	10.000	0.11	50.00	50.00	1.501	1.501	1.00
56	15:55	1.00	10.000	0.11	50.00	50.00	1.120	1.120	1.00
57	18:07	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	16:16	1.00	10.000	0.09	50.00	50.00	1.667	1.667	1.00
59	17:13	1.00	10.000	0.10	50.00	50.00	0.784	0.784	1.00
60	18:01	1.00	20.000	0.05	50.00	50.00	0.371	0.371	1.00
61	18:05	1.00	10.000	0.10	50.00	50.00	1.272	1.272	1.00
62	18:08	1.00	10.000	0.10	50.00	50.00	1.189	1.189	1.00
63	18:10	1.00	10.000	0.10	50.00	50.00	1.135	1.135	1.00
64	21:31	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:20	1.00	10.000	0.09	50.00	50.00	2.151	2.151	1.00
66	20:26	1.00	10.000	0.09	50.00	50.00	1.361	1.361	1.00
67	20:31	1.00	10.000	0.10	50.00	50.00	1.144	1.144	1.00
68	21:21	1.00	10.000	0.10	50.00	50.00	1.132	1.132	1.00
69	25:38	1.00	10.000	0.12	50.00	50.00	1.285	1.285	1.00
70	25:42	1.00	10.000	0.12	50.00	50.00	1.054	1.054	1.00
71	26:52	1.00	10.000	0.12	50.00	50.00	1.045	1.045	1.00
72	5:51	1.00	0.742	1.05	15.63	50.00	1.815	5.809	0.31
73	7:01	1.00	0.948	0.99	15.62	50.00	2.422	7.752	0.31
74	8:15	1.00	0.875	1.02	15.63	50.00	0.482	1.543	0.31
75	10:51	1.00	0.906	1.01	15.63	50.00	1.326	4.244	0.31
76	13:03	1.00	1.118	0.98	15.62	50.00	0.068	0.216	0.31
77	16:28	1.00	0.907	1.00	15.63	50.00	0.973	3.112	0.31
78	16:14	1.00	10.000	0.09	15.63	50.00	1.329	4.254	0.31
79	11:02	1.00	1.000	1.19	15.62	50.00	0.225	0.721	0.31


COMPUCHEM LABS
RIC
05/21/85 2:17:00
SAMPLE: 1UL STD'S 2366&2371 (17768+17774) 80 NG
CONDS.:
COMPUCHEM DATA: HJ860521C15 SCANS 358 TO 1850
OUT OF 358 TO 1850
SV2
2897910.
SS#1
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
RIC
496
532
581
656
702
790
840
882
991
1053
1138
1198
1276
1348
1406
1485
1557
1622
1682
1758
1811
600
9:02
800
12:03
1000
15:04
1200
18:04
1400
21:05
1600
24:06

QUANTITATION REPORT FILE: HJ860521C15

DATA: HJ860521C15.TI
 5/21/86 2:17:00
SAMPLE: 1UL STD'S 2366&2371 (17768+17774) 80 NG
CONDS. :
SUBMITTED BY: 15 ANALYST: 754

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

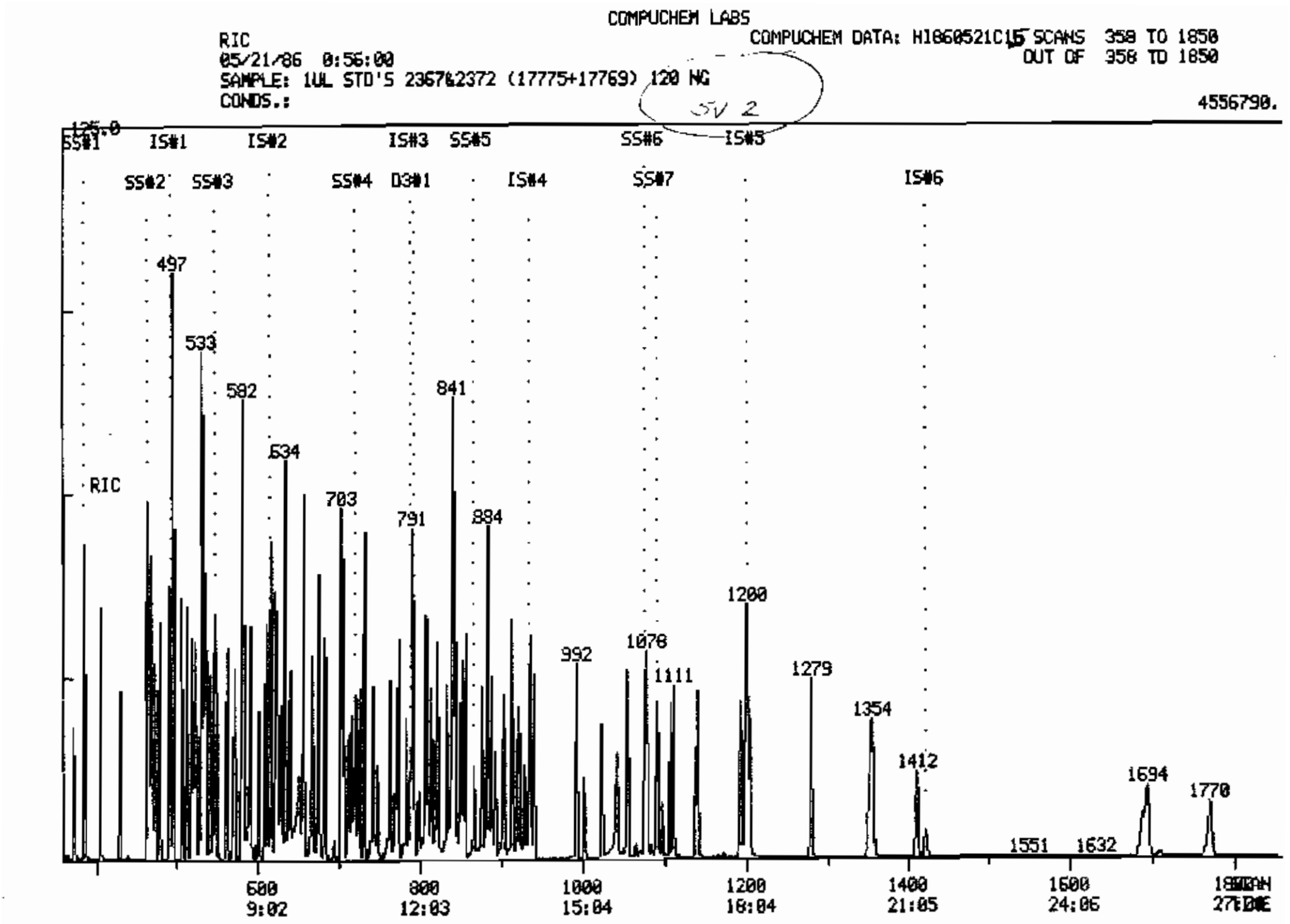
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	495	7:27	1	1.000	A BB	119444.	40.000	NG	0.62
2	94	465	7:00	1	0.939	A*BV	743260.	95.852	NG	1.48
3	93	473	7:07	1	0.956	A VV	562816.	85.240	NG	1.31
4	128	478	7:12	1	0.966	A*BB	403816.	84.524	NG	1.30
5	146	492	7:25	1	0.994	A BV	395492.	79.839	NG	1.23
6	146	496	7:28	1	1.002	A VB	380948.	72.870	NG	1.12
7	108	507	7:38	1	1.024	A BV	292068.	87.045	NG	1.34
8	146	513	7:44	1	1.036	A BB	376064.	78.202	NG	1.21
9	108	519	7:49	1	1.048	A VV	384740.	86.411	NG	1.33
10	45	523	7:53	1	1.057	A VV	1053410.	93.379	NG	1.44
11	108	531	8:00	1	1.073	A VV	399376.	81.980	NG	1.26
12	70	535	8:03	1	1.081	A VV	446736.	93.076	NG	1.43
13	117	542	8:10	1	1.095	A BB	198316.	83.933	NG	1.29
14	77	548	8:15	1	1.107	A VB	387698.	95.031	NG	1.47
15	136	614	9:15	15	1.000	A BB	486008.	40.000	NG	0.62
16	82	570	8:35	15	0.928	A BB	1020630.	81.254	NG	1.25
17	139	579	8:43	15	0.943	A BB	215868.	85.133	NG	1.31
18	122	581	8:45	15	0.946	A BV	350956.	80.930	NG	1.25
19	122	590	8:53	15	0.961	A*VV	224720.	96.873	NG	1.49
20	93	591	8:54	15	0.963	A VB	529968.	85.572	NG	1.32
21	162	601	9:03	15	0.979	A BB	247068.	78.305	NG	1.21

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	610	9:11	15	0.993	A BB	267712.	72.520	NG	1.12
23	128	616	9:17	15	1.003	A VV	978980.	73.605	NG	1.13
24	127	621	9:21	15	1.011	A VV	427608.	86.349	NG	1.33
25	225	633	9:32	15	1.031	A BB	121228.	70.582	NG	1.09
26	107	667	10:03	15	1.086	A BV	383660.	96.625	NG	1.49
27	142	682	10:16	15	1.111	A BB	580704.	78.403	NG	1.21
28	164	787	11:51	28	1.000	A BB	206552.	40.000	NG	0.62
29	237	705	10:37	28	0.896	A BB	115592.	74.145	NG	1.14
30	196	715	10:46	28	0.909	A*BB	285164. 147582	163.326	NG	2.52
31	196	715	10:46	28	0.909	A*BB CE	285164./147582	163.326	NG	2.52
32	162	730	11:00	28	0.928	A VB	505464.	76.770	NG	1.18
33	65	741	11:10	28	0.942	A BV	246956.	109.712	NG	1.63
34	163	762	11:29	28	0.968	A*BB	594384.	87.824	NG	1.35
35	152	772	11:38	28	0.981	A BB	790972.	79.549	NG	1.23
36	138	781	11:46	28	0.992	A BV	162668.	95.601	NG	1.47
37	153	790	11:54	28	1.004	A BB	501924.	76.557	NG	1.18
38	184	792	11:56	28	1.006	A VB	52884.	82.859	NG	1.28
39	139	796	11:59	28	1.011	A VV	117944.	101.730	NG	1.57
40	168	806	12:08	28	1.024	A BB	657816.	78.648	NG	1.21
41	89	807	12:09	28	1.025	A BV	208268.	94.925	NG	1.46
42	165	768	11:34	28	0.976	A VB	130140.	92.047	NG	1.42
43	149	832	12:32	28	1.057	A VV	501596.	84.056	NG	1.30
44	204	839	12:38	28	1.066	A BB	216060.	79.551	NG	1.23
45	166	840	12:39	28	1.067	A VV	497776.	76.325	NG	1.18
46	138	842	12:41	28	1.070	A BV	155984.	101.348	NG	1.56
47	188	932	14:02	47	1.000	A*BV	268212.	40.000	NG	0.62
48	198	847	12:45	47	0.909	A VB	71592.	88.415	NG	1.36
49	169	850	12:48	47	0.912	A*VV	360388.	79.885	NG	1.23
50	248	886	13:21	47	0.951	A BB	128816.	72.709	NG	1.12
51	284	902	13:35	47	0.968	A BB	154756.	67.768	NG	1.04
52	266	918	13:49	47	0.985	A VV	81732.	70.881	NG	1.09
53	178	934	14:04	47	1.002	A*VV	696160.	80.919	NG	1.25
54	178	939	14:08	47	1.008	A VV	515972.	76.756	NG	1.18
55	149	991	14:55	47	1.063	A VV	879688.	87.400	NG	1.35
56	202	1053	15:51	47	1.130	A VV	593744.	79.076	NG	1.22
57	240	1198	18:02	57	1.000	A VV	184544.	40.000	NG	0.62
58	202	1076	16:12	57	0.898	A VV	579853.	75.390	NG	1.16
59	149	1138	17:08	57	0.950	A BV	315385.	87.239	NG	1.34
60	252	1191	17:56	57	0.994	A BV	156220.	91.333	NG	1.41
61	228	1196	18:01	57	0.998	A VV	470179.	80.137	NG	1.24
62	149	1198	18:02	57	1.000	A VV	466882.	85.111	NG	1.31
63	228	1201	18:05	57	1.003	A VB	430641.	82.227	NG	1.27
64	264	1416	21:19	64	1.000	A BV	161968.	40.000	NG	0.62
65	149	1276	19:13	64	0.901	A VV	739876.	84.954	NG	1.31
66	252	1347	20:17	64	0.951	A BV	470402.	85.332	NG	1.32
67	252	1351	20:21	64	0.954	A VV	306799.	66.211	NG	1.02
68	252	1406	21:10	64	0.993	A BV	374901.	81.794	NG	1.26
69	276	1679	25:17	64	1.186	A BV	430608.	82.733	NG	1.28
70	278	1683	25:21	64	1.189	A BV	353956.	82.915	NG	1.28
71	276	1758	26:29	64	1.242	A BV	347062.	81.987	NG	1.26
72	112	387	5:50	1	0.782	A BB	455556.	84.039	NG	1.30
73	99	464	6:59	1	0.937	A BV	617868.	85.416	NG	1.32
74	82	547	8:14	15	0.891	A VB	527808.	90.107	NG	1.39
75	172	719	10:50	28	0.914	A BB	518248.	75.668	NG	1.17
76	141	865	13:02	28	1.099	A*BV	33164.	94.994	NG	1.46
77	244	1089	16:24	57	0.909	A VV	350924.	78.210	NG	1.21

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1074	16:10	57	0.896	A VV	462740.	75.454	NG	1.16
79	216	731	11:01	15	1.191	A BB	201152.	73.428	NG	1.13

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	7:02	1.00	10.000	0.09	95.85	50.00	4.978	2.597	1.92
3	7:08	1.00	10.000	0.10	85.24	50.00	3.770	2.211	1.70
4	7:14	1.00	10.000	0.10	84.52	50.00	2.705	1.600	1.69
5	7:25	1.00	10.000	0.10	79.84	50.00	2.649	1.659	1.60
6	7:30	1.00	10.000	0.10	72.87	50.00	2.551	1.751	1.46
7	7:40	1.00	10.000	0.10	87.05	50.00	1.956	1.124	1.74
8	7:45	1.00	10.000	0.10	78.20	50.00	2.519	1.610	1.56
9	7:50	1.00	10.000	0.10	86.41	50.00	2.577	1.491	1.73
10	7:53	1.00	10.000	0.11	93.38	50.00	7.055	3.778	1.87
11	8:02	1.00	10.000	0.11	81.98	50.00	2.675	1.631	1.64
12	8:04	1.00	10.000	0.11	93.08	50.00	2.992	1.607	1.86
13	8:12	1.00	10.000	0.11	83.93	50.00	1.328	0.791	1.68
14	8:17	1.00	10.000	0.11	95.03	50.00	3.936	2.071	1.90
15	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:37	1.00	10.000	0.09	81.25	50.00	1.680	1.034	1.63
17	8:44	1.00	10.000	0.09	85.13	50.00	0.355	0.209	1.70
18	8:47	1.00	10.000	0.09	80.93	50.00	0.578	0.357	1.62
19	8:53	1.00	50.000	0.02	96.87	50.00	0.370	0.191	1.94
20	8:55	1.00	10.000	0.10	85.57	50.00	0.872	0.510	1.71
21	9:04	1.00	10.000	0.10	78.30	50.00	0.407	0.260	1.57
22	9:12	1.00	10.000	0.10	72.52	50.00	0.441	0.304	1.45
23	9:18	1.00	10.000	0.10	73.60	50.00	1.611	1.095	1.47
24	9:23	1.00	10.000	0.10	86.35	50.00	0.704	0.408	1.73
25	9:34	1.00	10.000	0.10	70.58	50.00	0.200	0.141	1.41
26	10:04	1.00	10.000	0.11	96.63	50.00	0.632	0.327	1.93
27	10:18	1.00	10.000	0.11	78.40	50.00	0.956	0.610	1.57
28	11:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:39	1.00	10.000	0.09	74.14	50.00	0.448	0.302	1.48
30	10:44	1.00	10.000	0.09	163.33	100.00	0.552	0.338	1.63
31	10:48	1.00	50.000	0.02	163.33	100.00	0.552	0.338	1.63
32	11:01	1.00	10.000	0.09	76.77	50.00	1.958	1.275	1.54
33	11:11	1.00	50.000	0.02	105.71	50.00	0.956	0.452	2.11
34	11:30	1.00	10.000	0.10	87.82	50.00	2.302	1.311	1.76
35	11:39	1.00	10.000	0.10	79.55	50.00	3.064	1.926	1.59
36	11:48	1.00	50.000	0.02	95.60	50.00	0.630	0.330	1.91
37	11:56	1.00	10.000	0.10	76.56	50.00	1.944	1.270	1.53
38	11:57	1.00	50.000	0.02	82.86	50.00	0.205	0.124	1.66
39	12:01	1.00	50.000	0.02	101.73	50.00	0.457	0.225	2.03
40	12:10	1.00	10.000	0.10	78.65	50.00	2.548	1.620	1.57
41	12:11	1.00	10.000	0.10	94.93	50.00	0.807	0.425	1.90
42	11:36	1.00	10.000	0.10	92.05	50.00	0.504	0.274	1.84
43	12:34	1.00	10.000	0.11	84.06	50.00	1.943	1.156	1.68
44	12:40	1.00	10.000	0.11	79.55	50.00	0.837	0.526	1.59
45	12:41	1.00	10.000	0.11	76.32	50.00	1.928	1.263	1.53
46	12:43	1.00	50.000	0.02	101.35	50.00	0.604	0.298	2.03
47	14:05	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:47	1.00	50.000	0.02	88.41	50.00	0.214	0.121	1.77
49	12:50	1.00	10.000	0.09	79.89	50.00	1.075	0.673	1.60
50	13:23	1.00	10.000	0.10	72.71	50.00	0.384	0.264	1.45
51	13:38	1.00	10.000	0.10	67.77	50.00	0.462	0.341	1.36
52	13:53	1.00	50.000	0.02	70.88	50.00	0.244	0.172	1.42

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	14:08	1.00	10.000	0.10	80.92	50.00	2.076	1.283	1.62
54	14:11	1.00	10.000	0.10	76.76	50.00	1.539	1.003	1.54
55	14:58	1.00	10.000	0.11	87.40	50.00	2.624	1.501	1.75
56	15:55	1.00	10.000	0.11	79.08	50.00	1.771	1.120	1.58
57	18:07	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	16:16	1.00	10.000	0.09	75.39	50.00	2.514	1.667	1.51
59	17:13	1.00	10.000	0.09	87.24	50.00	1.367	0.784	1.74
60	18:01	1.00	20.000	0.05	91.33	50.00	0.677	0.371	1.83
61	18:05	1.00	10.000	0.10	80.14	50.00	2.038	1.272	1.60
62	18:08	1.00	10.000	0.10	85.11	50.00	2.024	1.189	1.70
63	18:10	1.00	10.000	0.10	82.23	50.00	1.867	1.135	1.64
64	21:31	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:20	0.99	10.000	0.09	84.95	50.00	3.654	2.151	1.70
66	20:26	0.99	10.000	0.10	85.33	50.00	2.323	1.361	1.71
67	20:31	0.99	10.000	0.10	66.21	50.00	1.515	1.144	1.32
68	21:21	0.99	10.000	0.10	81.79	50.00	1.852	1.132	1.64
69	25:38	0.99	10.000	0.12	82.73	50.00	2.127	1.285	1.65
70	25:42	0.99	10.000	0.12	82.91	50.00	1.748	1.054	1.66
71	26:52	0.99	10.000	0.12	81.99	50.00	1.714	1.045	1.64
72	5:51	1.00	0.742	1.05	84.04	50.00	3.051	1.815	1.68
73	7:01	1.00	0.948	0.99	85.42	50.00	4.138	2.422	1.71
74	8:15	1.00	0.875	1.02	90.11	50.00	0.869	0.482	1.80
75	10:51	1.00	0.906	1.01	75.67	50.00	2.007	1.326	1.51
76	13:03	1.00	1.118	0.98	94.99	50.00	0.128	0.068	1.90
77	16:28	1.00	0.907	1.00	78.21	50.00	1.521	0.973	1.56
78	16:14	1.00	10.000	0.09	75.45	50.00	2.006	1.329	1.51
79	11:02	1.00	1.000	1.19	73.43	50.00	0.331	0.225	1.47


COMPUCHEM LABS
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05/21/86 0:56:00
SAMPLE: 1UL STD'S 2367&2372 (17775+17769) 120 NG
CONDS.:
COMPUCHEM DATA: H1860521C.15 SCANS 358 TO 1858
OUT OF 358 TO 1858
4556790.
SV 2
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IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
497
533
582
634
703
791
841
884
992
1070
1111
1200
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1694
1770
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1600
24:06

QUANTITATION REPORT FILE: HI860521C15

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05/21/86 0:56:00
SAMPLE: 1UL STD'S 2367&2372 (17775+17769) 120 NG
CONDS.:
SUBMITTED BY: 15 ANALYST: 754

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

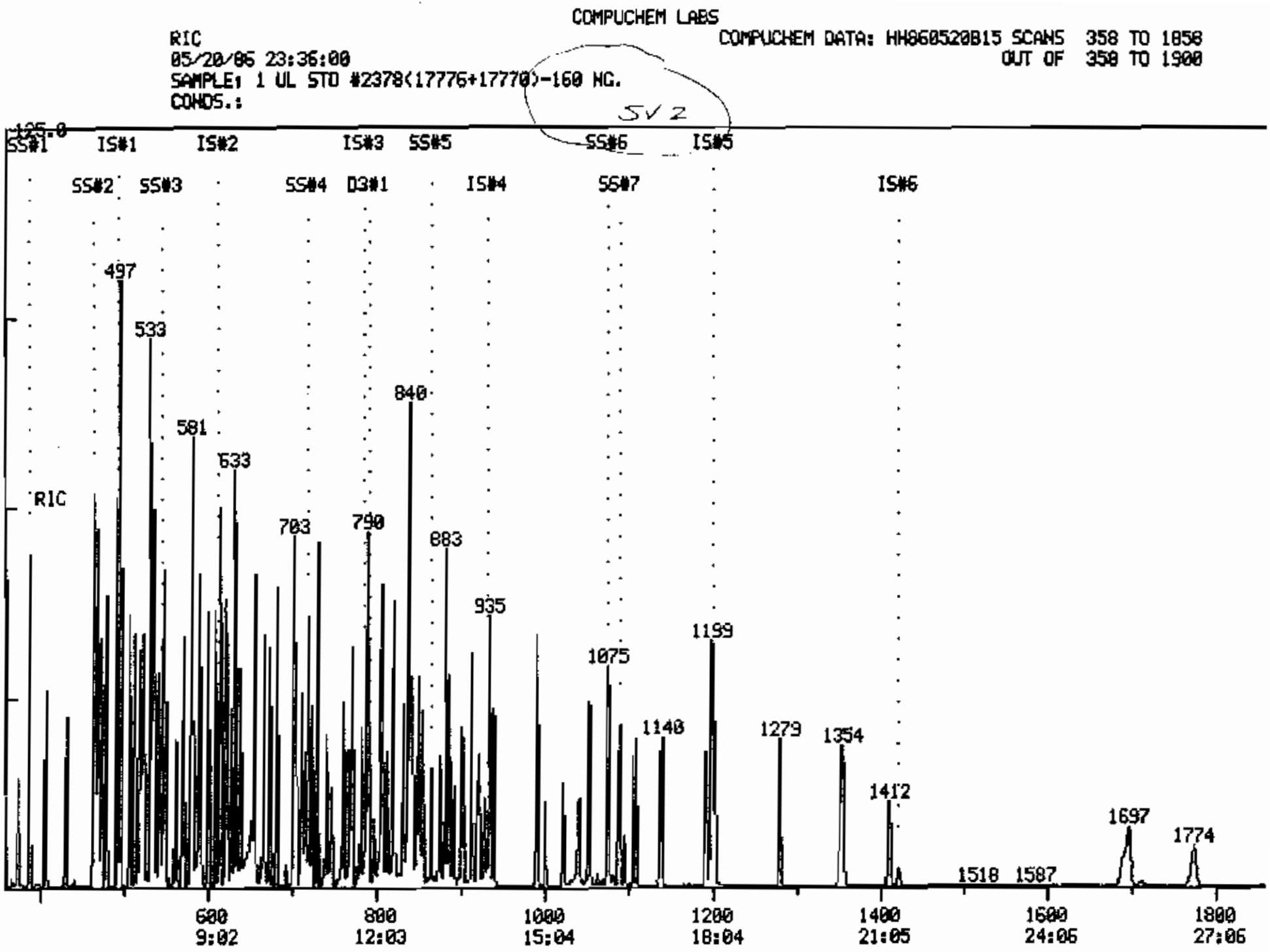
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	495	7:27	1	1.000	A BB	107564.	40.000	NG	0.40
2	94	466	7:01	1	0.941	A*BV	1070000.	153.231	NG	1.52
3	93	473	7:07	1	0.956	A VV	760252.	127.859	NG	1.27
4	128	479	7:13	1	0.968	A BB	552988.	128.532	NG	1.27
5	146	492	7:25	1	0.994	A BV	537284.	120.442	NG	1.19
6	146	497	7:29	1	1.004	A VB	525360.	111.593	NG	1.11
7	108	508	7:39	1	1.026	A BV	394928.	130.700	NG	1.29
8	146	514	7:44	1	1.038	A BB	514088.	118.712	NG	1.18
9	108	520	7:50	1	1.051	A VV	530516.	132.312	NG	1.31
10	45	523	7:53	1	1.057	A VV	1558250.	153.386	NG	1.52
11	108	532	8:01	1	1.075	A VV	534908.	121.928	NG	1.21
12	70	536	8:04	1	1.083	A VV	678804.	157.047	NG	1.56
13	117	543	8:11	1	1.097	A BB	284416.	133.668	NG	1.32
14	77	549	8:16	1	1.109	A*VB	816229.	146.562	NG	1.45
15	136	615	9:16	15	1.000	A BV	435436.	40.000	NG	0.40
16	82	572	8:37	15	0.930	A VV	1460730.	129.797	NG	1.29
17	139	579	8:43	15	0.941	A BB	293520.	129.201	NG	1.28
18	122	582	8:46	15	0.946	A BV	459816.	118.347	NG	1.17
19	122	592	8:55	15	0.963	A*VV	315436.	151.772	NG	1.50
20	93	592	8:55	15	0.963	A VB	722508.	130.210	NG	1.29
21	162	601	9:03	15	0.977	A BB	320808.	113.484	NG	1.12

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	611	9:12	15	0.993	A BB	360092.	108.873	NG	1.08
23	128	617	9:18	15	1.003	A VV	1312330.	110.128	NG	1.09
24	127	622	9:22	15	1.011	A VV	587728.	132.467	NG	1.31
25	225	634	9:33	15	1.031	A BB	158812.	103.204	NG	1.02
26	107	668	10:04	15	1.086	A VV	536072.	150.690	NG	1.49
27	142	683	10:17	15	1.111	A BB	772156.	116.360	NG	1.15
28	164	788	11:52	28	1.000	A BB	183464.	40.000	NG	0.40
29	237	706	10:38	28	0.896	A BB	160232.	115.713	NG	1.15
30	196	716	10:47	28	0.909	A*BB	375332. 187666	242.023	NG	2.40
31	196	716	10:47	28	0.909	A*BB CB	375332. 187666	242.023	NG	2.40
32	162	731	11:01	28	0.928	A VB	634768.	108.542	NG	1.08
33	65	742	11:10	28	0.942	A*BV	422601.	203.663	NG	2.02
34	163	763	11:29	28	0.969	A BV	776260.	129.131	NG	1.28
35	152	773	11:38	28	0.981	A BB	1051880.	119.103	NG	1.18
36	138	783	11:48	28	0.994	A BV	246204.	162.905	NG	1.61
37	153	791	11:55	28	1.004	A BB	670128.	115.075	NG	1.14
38	184	793	11:57	28	1.006	A BV	81524.	143.806	NG	1.42
39	139	798	12:01	28	1.013	A VV	173264.	168.252	NG	1.67
40	168	807	12:09	28	1.024	A BV	864600.	116.380	NG	1.15
41	89	808	12:10	28	1.025	A VV	326188.	167.381	NG	1.66
42	165	769	11:35	28	0.976	A VB	168756.	134.380	NG	1.33
43	149	833	12:33	28	1.057	A BV	797428.	150.448	NG	1.49
44	204	840	12:39	28	1.066	A BB	279344.	115.794	NG	1.15
45	166	841	12:40	28	1.067	A VV	646688.	111.636	NG	1.11
46	138	844	12:43	28	1.071	A*VV	232068.	169.758	NG	1.68
47	188	933	14:03	47	1.000	A VV	209604.	40.000	NG	0.40
48	198	849	12:47	47	0.910	A VB	107556.	169.971	NG	1.68
49	169	852	12:50	47	0.913	A VV	486337.	137.947	NG	1.37
50	248	888	13:22	47	0.952	A VB	175300.	126.614	NG	1.25
51	284	903	13:36	47	0.968	A BB	212388.	119.011	NG	1.18
52	266	920	13:51	47	0.986	A VV	120508.	133.732	NG	1.32
53	178	936	14:06	47	1.003	A VV	959464.	142.708	NG	1.41
54	178	940	14:09	47	1.008	A VV	671816.	127.884	NG	1.27
55	149	992	14:56	47	1.063	A VV	1232210.	196.656	NG	1.55
56	202	1054	15:52	47	1.130	A VV	817052.	139.242	NG	1.38
57	240	1200	18:04	57	1.000	A VV	177452.	40.000	NG	0.40
58	202	1078	16:14	57	0.898	A VV	756708.	102.316	NG	1.01
59	149	1140	17:10	57	0.950	A VV	461167.	132.663	NG	1.31
60	252	1193	17:58	57	0.994	A VV	241836.	147.039	NG	1.46
61	228	1198	18:02	57	0.998	A VV	691797.	122.622	NG	1.21
62	149	1200	18:04	57	1.000	A VV	698298.	132.385	NG	1.31
63	228	1203	18:07	57	1.002	A VV	608697.	120.871	NG	1.20
64	264	1421	21:24	64	1.000	A BV	174152.	40.000	NG	0.40
65	149	1279	19:16	64	0.900	A VV	1197120.	127.840	NG	1.27
66	252	1351	20:21	64	0.951	A VV	725613.	122.419	NG	1.21
67	252	1356	20:25	64	0.954	A VV	482638.	96.872	NG	0.96
68	252	1412	21:16	64	0.994	A BV	599986.	121.743	NG	1.21
69	276	1688	25:25	64	1.188	A*BV	746799.	133.445	NG	1.32
70	278	1694	25:31	64	1.192	A BV	602384.	131.237	NG	1.30
71	276	1770	26:39	64	1.246	A BV	616352.	135.414	NG	1.34
72	112	387	5:50	1	0.782	A BV	667816.	136.802	NG	1.36
73	99	465	7:00	1	0.939	A BV	875900.	134.460	NG	1.33
74	82	548	8:15	15	0.891	A VB	785868.	149.745	NG	1.48
75	172	720	10:51	28	0.914	A BV	669552.	110.062	NG	1.09
76	141	866	13:03	28	1.099	A VV	52184.	168.284	NG	1.67
77	244	1091	16:26	57	0.909	A VV	490576.	113.704	NG	1.13

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1076	16:12	57	0.897	A VV	644708.	109.327	NG	1.08
79	216	732	11:01	15	1.190	A BB	260388.	106.091	NG	1.05

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	7:02	1.00	10.000	0.09	153.23	50.00	7.958	2.597	3.06
3	7:08	1.00	10.000	0.10	127.86	50.00	5.654	2.211	2.56
4	7:14	1.00	10.000	0.10	128.53	50.00	4.113	1.600	2.57
5	7:25	1.00	10.000	0.10	120.44	50.00	3.996	1.659	2.41
6	7:30	1.00	10.000	0.10	111.59	50.00	3.907	1.751	2.23
7	7:40	1.00	10.000	0.10	130.70	50.00	2.937	1.124	2.61
8	7:45	1.00	10.000	0.10	118.71	50.00	3.823	1.610	2.37
9	7:50	1.00	10.000	0.11	132.31	50.00	3.946	1.491	2.65
10	7:53	1.00	10.000	0.11	153.39	50.00	11.589	3.778	3.07
11	8:02	1.00	10.000	0.11	121.93	50.00	3.978	1.631	2.44
12	8:04	1.00	10.000	0.11	157.05	50.00	5.049	1.607	3.14
13	8:12	1.00	10.000	0.11	133.67	50.00	2.115	0.791	2.67
14	8:17	1.00	10.000	0.11	146.56	50.00	6.071	2.071	2.93
15	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:37	1.00	10.000	0.09	129.80	50.00	2.684	1.034	2.60
17	8:44	1.00	10.000	0.09	129.20	50.00	0.539	0.209	2.58
18	8:47	1.00	10.000	0.09	118.35	50.00	0.845	0.357	2.37
19	8:53	1.00	50.000	0.02	151.77	50.00	0.580	0.191	3.04
20	8:55	1.00	10.000	0.10	130.21	50.00	1.327	0.510	2.60
21	9:04	1.00	10.000	0.10	113.48	50.00	0.589	0.260	2.27
22	9:12	1.00	10.000	0.10	108.87	50.00	0.662	0.304	2.18
23	9:18	1.00	10.000	0.10	110.13	50.00	2.411	1.095	2.20
24	9:23	1.00	10.000	0.10	132.47	50.00	1.080	0.408	2.65
25	9:34	1.00	10.000	0.10	103.20	50.00	0.292	0.141	2.06
26	10:04	1.00	10.000	0.11	150.69	50.00	0.985	0.327	3.01
27	10:18	1.00	10.000	0.11	116.36	50.00	1.419	0.610	2.33
28	11:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:39	1.00	10.000	0.09	115.71	50.00	0.699	0.302	2.31
30	10:44	1.00	10.000	0.09	242.02	100.00	0.818	0.338	2.42
31	10:48	1.00	50.000	0.02	242.02	100.00	0.818	0.338	2.42
32	11:01	1.00	10.000	0.09	108.54	50.00	2.768	1.275	2.17
33	11:11	1.00	50.000	0.02	203.66	50.00	1.843	0.452	4.07
34	11:30	1.00	10.000	0.10	129.13	50.00	3.385	1.311	2.58
35	11:39	1.00	10.000	0.10	119.10	50.00	4.587	1.926	2.38
36	11:48	1.00	50.000	0.02	162.90	50.00	1.074	0.330	3.26
37	11:56	1.00	10.000	0.10	115.08	50.00	2.922	1.270	2.30
38	11:57	1.00	50.000	0.02	143.81	50.00	0.355	0.124	2.88
39	12:01	1.00	50.000	0.02	168.25	50.00	0.756	0.225	3.37
40	12:10	1.00	10.000	0.10	116.38	50.00	3.770	1.620	2.33
41	12:11	1.00	10.000	0.10	167.38	50.00	1.422	0.425	3.35
42	11:36	1.00	10.000	0.10	134.38	50.00	0.736	0.274	2.69
43	12:34	1.00	10.000	0.11	150.45	50.00	3.477	1.156	3.01
44	12:40	1.00	10.000	0.11	115.79	50.00	1.218	0.526	2.32
45	12:41	1.00	10.000	0.11	111.64	50.00	2.820	1.263	2.23
46	12:43	1.00	50.000	0.02	169.76	50.00	1.012	0.298	3.40
47	14:05	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:47	1.00	50.000	0.02	169.97	50.00	0.411	0.121	3.40
49	12:50	1.00	10.000	0.09	137.95	50.00	1.856	0.673	2.76
50	13:23	1.00	10.000	0.10	126.61	50.00	0.669	0.264	2.53
51	13:38	1.00	10.000	0.10	119.01	50.00	0.811	0.341	2.38
52	13:53	1.00	50.000	0.02	133.73	50.00	0.460	0.172	2.67

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	14:08	1.00	10.000	0.10	142.71	50.00	3.662	1.283	2.85
54	14:11	1.00	10.000	0.10	127.68	50.00	2.564	1.003	2.56
55	14:58	1.00	10.000	0.11	156.66	50.00	4.703	1.501	3.13
56	15:55	1.00	10.000	0.11	139.24	50.00	3.118	1.120	2.78
57	18:07	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	16:16	1.00	10.000	0.09	102.32	50.00	3.411	1.667	2.05
59	17:13	1.00	10.000	0.09	132.66	50.00	2.079	0.784	2.65
60	18:01	1.00	20.000	0.05	147.04	50.00	1.090	0.371	2.94
61	18:05	1.00	10.000	0.10	122.62	50.00	3.119	1.272	2.45
62	18:08	1.00	10.000	0.10	132.38	50.00	3.148	1.189	2.65
63	18:10	1.00	10.000	0.10	120.87	50.00	2.744	1.135	2.42
64	21:31	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:20	1.00	10.000	0.09	127.84	50.00	5.499	2.151	2.56
66	20:26	1.00	10.000	0.10	122.42	50.00	3.333	1.361	2.45
67	20:31	1.00	10.000	0.10	96.87	50.00	2.217	1.144	1.94
68	21:21	1.00	10.000	0.10	121.74	50.00	2.756	1.132	2.43
69	25:38	0.99	10.000	0.12	133.44	50.00	3.431	1.285	2.67
70	25:42	0.99	10.000	0.12	131.24	50.00	2.767	1.054	2.62
71	26:52	0.99	10.000	0.12	135.41	50.00	2.831	1.045	2.71
72	5:51	1.00	0.742	1.05	136.80	50.00	4.967	1.815	2.74
73	7:01	1.00	0.948	0.99	134.46	50.00	6.514	2.422	2.69
74	8:15	1.00	0.875	1.02	149.74	50.00	1.444	0.482	2.99
75	10:51	1.00	0.906	1.01	110.06	50.00	2.920	1.326	2.20
76	13:03	1.00	1.118	0.98	168.28	50.00	0.228	0.068	3.37
77	16:28	1.00	0.907	1.00	113.70	50.00	2.212	0.973	2.27
78	16:14	1.00	10.000	0.09	109.33	50.00	2.907	1.329	2.19
79	11:02	1.00	1.000	1.19	106.09	50.00	0.478	0.225	2.12


COMPUCHEM LABS
RIC
05/20/86 23:36:00
SAMPLE: 1 UL STD #2378(17776+17770)-160 NG.
COND5.:
COMPUCHEM DATA: HH860520B15 SCANS 358 TO 1858
OUT OF 358 TO 1900
SV 2
SS#1
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
497
533
581
633
840
703
790
883
935
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1199
1140
1279
1354
1412
1697
1774
1518
1587
RIC
600
9:02
800
12:03
1000
15:04
1200
18:04
1400
21:05
1600
24:06
1800
27:06

QUANTITATION REPORT FILE: HH860520B15

DATA: HH860520B15.TI
)5/20/86 23:36:00
SAMPLE: 1 UL STD #2378(17776+17770)-160 NG.
CONDS.:
SUBMITTED BY: 15 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	495	7:27	1	1.000	A BB	120132.	40.000	NG	0.32
2	94	466	7:01	1	0.941	A*BV	1328710.	170.373	NG	1.37
3	93	473	7:07	1	0.956	A VV	1101260.	165.834	NG	1.33
4	126	479	7:13	1	0.966	A BV	785720.	163.520	NG	1.31
5	146	492	7:25	1	0.994	A BV	777964.	156.150	NG	1.25
6	146	497	7:29	1	1.004	A VB	748496.	142.356	NG	1.14
7	108	508	7:39	1	1.026	A BV	548872.	162.644	NG	1.31
8	146	513	7:44	1	1.036	A BB	733584.	151.675	NG	1.22
9	108	520	7:50	1	1.051	A VV	733336.	163.761	NG	1.32
10	45	523	7:53	1	1.057	A VV	1983010.	174.775	NG	1.40
11	108	532	8:01	1	1.075	A VV	716848.	146.305	NG	1.18
12	70	536	8:04	1	1.083	A BV	893656.	185.166	NG	1.49
13	117	542	8:10	1	1.095	A BB	407192.	171.349	NG	1.38
14	77	549	8:16	1	1.109	A*VB	1104130.	177.516	NG	1.43
15	136	614	9:15	15	1.000	A BB	473216.	40.000	NG	0.32
16	82	571	8:36	15	0.930	A VV	1914020.	156.497	NG	1.26
17	139	579	8:43	15	0.943	A BB	405680.	164.314	NG	1.32
18	122	582	8:46	15	0.946	A BV	655256.	155.185	NG	1.25
19	122	592	8:55	15	0.964	A*VV	413840.	183.222	NG	1.47
20	93	591	8:54	15	0.963	A VB	1016120.	168.505	NG	1.35
21	162	601	9:03	15	0.979	A BB	470588.	153.178	NG	1.23

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	610	9:11	15	0.993	A BB	520424.	144.787	NG	1.16
23	128	616	9:17	15	1.003	A BV	1637230.	126.424	NG	1.02
24	127	622	9:22	15	1.013	A VV	777308.	161.208	NG	1.30
25	225	633	9:32	15	1.031	A BB	235340.	140.725	NG	1.13
26	107	667	10:03	15	1.086	A BV	662169.	171.276	NG	1.38
27	142	683	10:17	15	1.112	A BB	1054590.	146.234	NG	1.18
28	164	787	11:51	28	1.000	A BB	199552.	40.000	NG	0.32
29	237	705	10:37	28	0.896	A BB	236832.	157.241	NG	1.26
30	196	715	10:46	28	0.909	A*BV	537380. 268690	318.579	NG	2.56
31	196	715	10:46	28	0.909	A*BV	537380. 268690	318.579	NG	2.56
32	162	730	11:00	28	0.928	A VB	924184.	145.290	NG	1.17
33	65	741	11:10	28	0.942	A BV	488322.	216.363	NG	1.74
34	163	762	11:29	28	0.968	A BB	1038810.	158.875	NG	1.28
35	152	772	11:38	28	0.981	A BV	1405180.	146.279	NG	1.18
36	138	782	11:47	28	0.994	A*BV	306781.	186.622	NG	1.50
37	153	790	11:54	28	1.004	A BB	909116.	143.529	NG	1.15
38	184	792	11:56	28	1.006	A BB	103696.	168.170	NG	1.35
39	139	797	12:00	28	1.013	A VV	187784.	167.651	NG	1.35
40	168	806	12:08	28	1.024	A BV	1156740.	143.151	NG	1.15
41	89	807	12:09	28	1.025	A VV	381564.	180.011	NG	1.45
42	165	768	11:34	28	0.976	A*VB	241268.	176.633	NG	1.42
43	149	832	12:32	28	1.057	A VV	831272.	144.189	NG	1.16
44	204	839	12:38	28	1.066	A BB	381840.	145.520	NG	1.17
45	166	840	12:39	28	1.067	A BV	862540.	136.894	NG	1.10
46	138	843	12:42	28	1.071	A VV	249940.	168.091	NG	1.35
47	188	932	14:02	47	1.000	A VV	206324.	40.000	NG	0.32
48	198	848	12:46	47	0.910	A VV	123684.	198.565	NG	1.60
49	169	850	12:48	47	0.912	A*VV	621655.	179.132	NG	1.44
50	248	887	13:21	47	0.952	A VB	199312.	146.245	NG	1.18
51	284	902	13:35	47	0.968	A BB	291724.	166.066	NG	1.33
52	266	919	13:50	47	0.986	A VV	144164.	162.527	NG	1.31
53	178	935	14:05	47	1.003	A BV	1214570.	183.525	NG	1.48
54	178	939	14:08	47	1.008	A VV	831420.	160.782	NG	1.29
55	149	991	14:55	47	1.063	A VV	1405660.	181.548	NG	1.46
56	202	1053	15:51	47	1.130	A VV	973415.	168.527	NG	1.35
57	240	1199	18:03	57	1.000	A VV	148520.	40.000	NG	0.32
58	202	1076	16:12	57	0.897	A VV	901481.	145.635	NG	1.17
59	149	1140	17:10	57	0.951	A VV	493101.	169.481	NG	1.36
60	252	1193	17:58	57	0.995	A VV	258392.	187.710	NG	1.51
61	228	1197	18:02	57	0.998	A VV	746236.	158.038	NG	1.27
62	149	1199	18:03	57	1.000	A VV	738768.	167.340	NG	1.34
63	228	1202	18:06	57	1.003	A VV	696465.	165.240	NG	1.33
64	264	1422	21:25	64	1.000	A BV	128740.	40.000	NG	0.32
65	149	1279	19:16	64	0.899	A VV	1239080.	178.996	NG	1.44
66	252	1352	20:22	64	0.951	A BV	724565.	165.363	NG	1.33
67	252	1356	20:25	64	0.954	A VV	534555.	145.140	NG	1.17
68	252	1411	21:15	64	0.992	A VV	607660.	166.794	NG	1.34
69	276	1691	25:28	64	1.189	A BV	730636.	176.609	NG	1.42
70	278	1697	25:33	64	1.193	A BV	593164.	174.813	NG	1.40
71	276	1774	26:43	64	1.248	A BV	590154.	175.395	NG	1.41
72	112	388	5:51	1	0.784	A BV	915852.	167.985	NG	1.35
73	99	465	7:00	1	0.939	A BV	1175410.	161.562	NG	1.30
74	82	547	8:14	15	0.891	A VB	1015470.	178.048	NG	1.43
75	172	720	10:51	28	0.915	A BB	915624.	138.377	NG	1.11
76	141	865	13:02	28	1.099	A VV	54913.	162.807	NG	1.31
77	244	1090	16:25	57	0.909	A VV	587138.	162.594	NG	1.31

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1075	16:11	57	0.897	A VV	738969.	149.722	NQ	1.20
79	216	731	11:01	15	1.191	A BB	355176.	133.158	NQ	1.07

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	7:02	1.00	10.000	0.09	170.37	50.00	8.848	2.597	3.41
3	7:08	1.00	10.000	0.10	165.83	50.00	7.334	2.211	3.32
4	7:14	1.00	10.000	0.10	163.52	50.00	5.232	1.600	3.27
5	7:25	1.00	10.000	0.10	156.15	50.00	5.181	1.659	3.12
6	7:30	1.00	10.000	0.10	142.36	50.00	4.984	1.751	2.85
7	7:40	1.00	10.000	0.10	162.64	50.00	3.655	1.124	3.25
8	7:45	1.00	10.000	0.10	151.67	50.00	4.885	1.610	3.03
9	7:50	1.00	10.000	0.11	163.76	50.00	4.884	1.491	3.28
10	7:53	1.00	10.000	0.11	174.78	50.00	13.206	3.778	3.50
11	8:02	1.00	10.000	0.11	146.31	50.00	4.774	1.631	2.93
12	8:04	1.00	10.000	0.11	185.17	50.00	5.952	1.607	3.70
13	8:12	1.00	10.000	0.11	171.35	50.00	2.712	0.791	3.43
14	8:17	1.00	10.000	0.11	177.52	50.00	7.353	2.071	3.55
15	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:37	1.00	10.000	0.09	156.50	50.00	3.236	1.034	3.13
17	8:44	1.00	10.000	0.09	164.31	50.00	0.686	0.209	3.29
18	8:47	1.00	10.000	0.09	155.19	50.00	1.108	0.357	3.10
19	8:53	1.00	50.000	0.02	183.22	50.00	0.700	0.191	3.66
20	8:55	1.00	10.000	0.10	168.51	50.00	1.718	0.510	3.37
21	9:04	1.00	10.000	0.10	153.18	50.00	0.796	0.260	3.06
22	9:12	1.00	10.000	0.10	144.79	50.00	0.880	0.304	2.90
23	9:18	1.00	10.000	0.10	126.42	50.00	2.768	1.095	2.53
24	9:23	1.00	10.000	0.10	161.21	50.00	1.314	0.408	3.22
25	9:34	1.00	10.000	0.10	140.73	50.00	0.398	0.141	2.81
26	10:04	1.00	10.000	0.11	171.28	50.00	1.119	0.327	3.43
27	10:18	1.00	10.000	0.11	146.23	50.00	1.783	0.610	2.92
28	11:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:39	1.00	10.000	0.09	157.24	50.00	0.949	0.302	3.14
30	10:44	1.00	10.000	0.09	318.58	100.00	1.077	0.338	3.19
31	10:48	1.00	50.000	0.02	318.58	100.00	1.077	0.338	3.19
32	11:01	1.00	10.000	0.09	145.29	50.00	3.705	1.275	2.91
33	11:11	1.00	50.000	0.02	216.36	50.00	1.958	0.452	4.33
34	11:30	1.00	10.000	0.10	158.88	50.00	4.165	1.311	3.18
35	11:39	1.00	10.000	0.10	146.28	50.00	5.633	1.926	2.93
36	11:48	1.00	50.000	0.02	186.62	50.00	1.230	0.330	3.73
37	11:56	1.00	10.000	0.10	143.53	50.00	3.645	1.270	2.87
38	11:57	1.00	50.000	0.02	168.17	50.00	0.416	0.124	3.36
39	12:01	1.00	50.000	0.02	167.65	50.00	0.753	0.225	3.35
40	12:10	1.00	10.000	0.10	143.15	50.00	4.637	1.620	2.86
41	12:11	1.00	10.000	0.10	180.01	50.00	1.530	0.425	3.60
42	11:36	1.00	10.000	0.10	176.63	50.00	0.967	0.274	3.53
43	12:34	1.00	10.000	0.11	144.19	50.00	3.333	1.156	2.88
44	12:40	1.00	10.000	0.11	145.52	50.00	1.531	0.526	2.91
45	12:41	1.00	10.000	0.11	136.89	50.00	3.458	1.263	2.74
46	12:43	1.00	50.000	0.02	168.09	50.00	1.002	0.298	3.36
47	14:05	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:47	1.00	50.000	0.02	198.56	50.00	0.480	0.121	3.97
49	12:50	1.00	10.000	0.09	179.13	50.00	2.410	0.673	3.58
50	13:23	1.00	10.000	0.10	146.25	50.00	0.773	0.264	2.92
51	13:38	1.00	10.000	0.10	166.07	50.00	1.131	0.341	3.32
52	13:53	1.00	50.000	0.02	162.53	50.00	0.559	0.172	3.25

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	14:08	1.00	10.000	0.10	183.52	50.00	4.709	1.283	3.67
54	14:11	1.00	10.000	0.10	160.78	50.00	3.224	1.003	3.22
55	14:58	1.00	10.000	0.11	181.55	50.00	5.450	1.501	3.63
56	15:55	1.00	10.000	0.11	168.53	50.00	3.774	1.120	3.37
57	18:07	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	16:16	1.00	10.000	0.09	145.64	50.00	4.856	1.667	2.91
59	17:13	1.00	10.000	0.10	169.48	50.00	2.656	0.784	3.39
60	18:01	1.00	20.000	0.05	187.71	50.00	1.392	0.371	3.75
61	18:05	1.00	10.000	0.10	158.04	50.00	4.020	1.272	3.16
62	18:08	1.00	10.000	0.10	167.34	50.00	3.979	1.189	3.35
63	18:10	1.00	10.000	0.10	165.24	50.00	3.751	1.135	3.30
64	21:31	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:20	1.00	10.000	0.09	179.00	50.00	7.700	2.151	3.58
66	20:26	1.00	10.000	0.10	165.36	50.00	4.503	1.361	3.31
67	20:31	1.00	10.000	0.10	145.14	50.00	3.322	1.144	2.90
68	21:21	1.00	10.000	0.10	166.79	50.00	3.776	1.132	3.34
69	25:38	0.99	10.000	0.12	176.61	50.00	4.540	1.285	3.53
70	25:42	0.99	10.000	0.12	174.81	50.00	3.686	1.054	3.50
71	26:52	0.99	10.000	0.12	175.39	50.00	3.667	1.045	3.51
72	5:51	1.00	0.742	1.06	167.99	50.00	6.099	1.815	3.36
73	7:01	1.00	0.948	0.99	161.56	50.00	7.828	2.422	3.23
74	8:15	1.00	0.875	1.02	178.05	50.00	1.717	0.482	3.56
75	10:51	1.00	0.906	1.01	138.38	50.00	3.671	1.326	2.77
76	13:03	1.00	1.118	0.98	162.81	50.00	0.220	0.068	3.26
77	16:28	1.00	0.907	1.00	162.59	50.00	3.163	0.973	3.25
78	16:14	1.00	10.000	0.09	149.72	50.00	3.980	1.329	2.99
79	11:02	1.00	1.000	1.19	133.16	50.00	0.600	0.225	2.66

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 2126
Time Tune Expires 0926
Shift(s) (A) ____ (B) ✓ (C) ____
Date 5/20/86
Analysis Type SV

	REJECTED	Run Log File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Etc
1	✓	DI#860520B15		5/20/86	19:00	DFTPP	—	1µl	803		3117	7050 retune
2	✓	DI860520B15		5/20 86	:	DFTPP	—	1µl	803		3117	7050 retune
3		DJ860520B15		5/20/86	21:00	DFTPP	—	1µl	803		3117	7050 retune
4		DK860520B15		5/20/86	21:26	DFTPP	—	1µl	803		3117	7050
5		HL860520B15		5/20/86	21:43	50 std	—	1µl	803		3117	2375-50
6		HM860520B15		5/20/86	23:36	160 std	—	1µl	803		3117	160
7		HI 860521C15		5/21/86	0:56	120 STD		1µl	754	5PT.	3117	120 ng STD's (17769+17775
8		HJ 860521C15		1 "	2:17	80 STD		"	"		"	80 ng STD's (17768+17774
9		HK 860521C15		1 "	3:17	20 STD		"	"		"	20 ng " (17766+17772
10				/ /	:							
11				/ /	:							
12				/ /	:							
13				/ /	:							5/21/86
14				/ /	:							
15				/ /	:							
16				/ /	:							
17				/ /	:							
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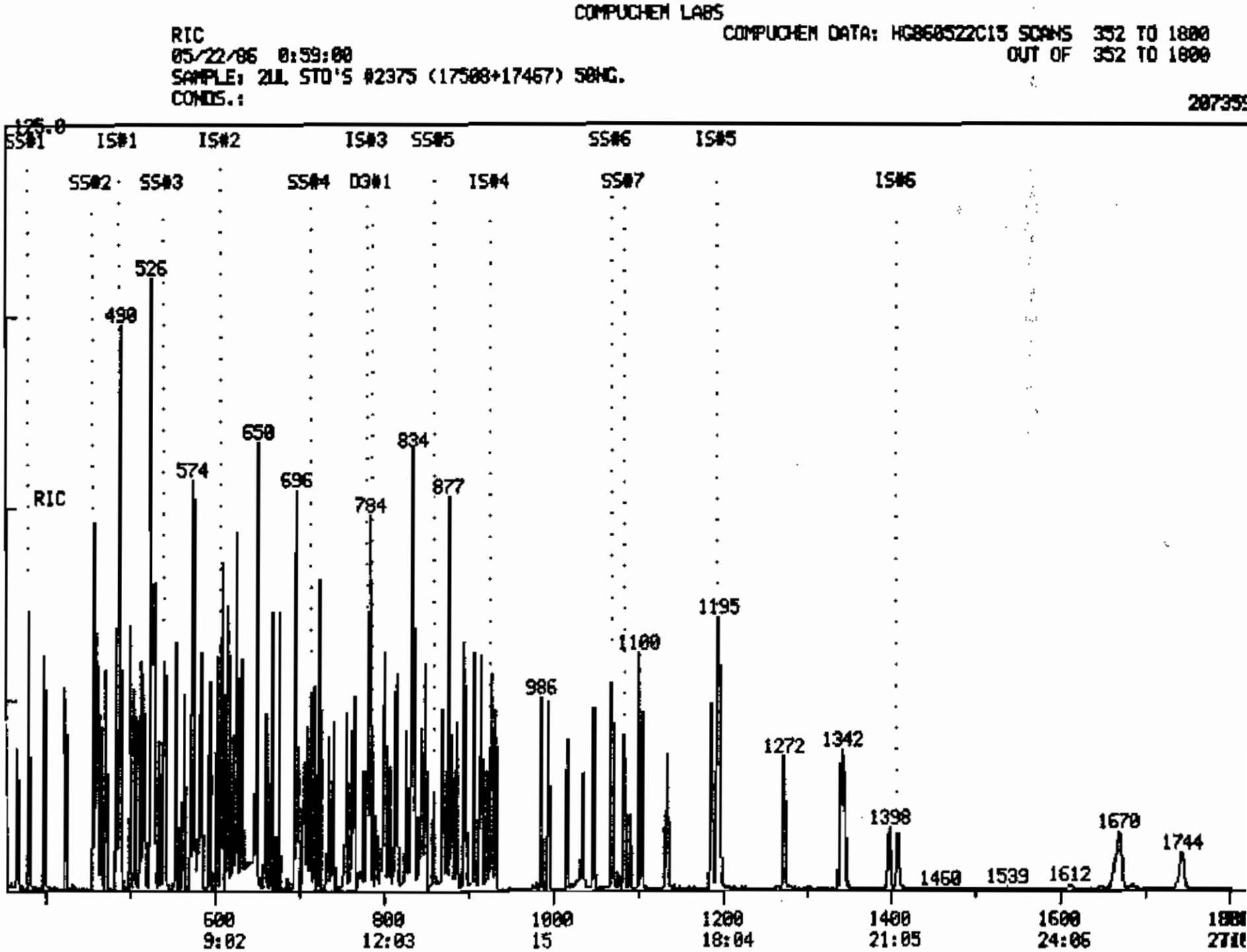
Press 1. Multiple Copies


COMPUCHEM LABS
RIC
05/22/06 0:59:00
SAMPLE: 2UL STD'S #2375 (17500+17467) 50NG.
CONDS.:
COMPUCHEM DATA: HG060522C15 SCANS 352 TO 1800
OUT OF 352 TO 1800
SS#1
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
D3#1
IS#4
SS#7
IS#6
RIC
490
526
574
650
696
784
834
877
986
1100
1195
1272
1342
1398
1460
1539
1612
1670
1744
600
9:02
800
12:03
1000
15
1200
18:04
1400
21:05
1600
24:06

QUANTITATION REPORT FILE: HQ860522C15

DATA: HQ860522C15.TI
05/22/86 0:59:00
SAMPLE: 2UL STD'S #2375 (17508+17467) 50NQ.
CONDS.:
SUBMITTED BY: 15 ANALYST: 619

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

NO	NAME
1	*494 D4-1,4-DICHLORDBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLORDETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLORDBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLORDBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLORDBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLORDISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLORDETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLORDETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLORDBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLORDANILINE (G2#10) <106-47-8>
25	434 HEXACHLORDBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLORDCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	488	7:21	1	1.000	A BB	98620.	40.000 NG	1.03
2	94	459	6:55	1	0.941	A BB	369472.	50.000 NG	1.29
3	93	466	7:01	1	0.955	A VV	306424.	50.000 NG	1.29
4	128	472	7:06	1	0.967	A BB	218068.	50.000 NG	1.29
5	146	485	7:18	1	0.994	A BV	210704.	50.000 NG	1.29
6	146	489	7:22	1	1.002	A VB	201552.	50.000 NG	1.29
7	108	501	7:33	1	1.027	A BV	166892.	50.000 NG	1.29
8	146	506	7:37	1	1.037	A BB	196412.	50.000 NG	1.29
9	108	513	7:44	1	1.051	A VV	203504.	50.000 NG	1.29
10	45	516	7:46	1	1.057	A VV	618308.	50.000 NG	1.29
11	108	525	7:54	1	1.076	A BV	224172.	50.000 NG	1.29
12	70	528	7:57	1	1.082	A VB	254172.	50.000 NG	1.29
13	117	535	8:03	1	1.096	A BB	106064.	50.000 NG	1.29
14	77	542	8:10	1	1.111	A*VB	335772.	50.000 NG	1.29
15	136	607	9:08	15	1.000	A BB	394928.	40.000 NG	1.03
16	82	564	8:30	15	0.929	A BB	538752.	50.000 NG	1.29
17	139	572	8:37	15	0.942	A BB	112492.	50.000 NG	1.29
18	122	575	8:40	15	0.947	A BV	181396.	50.000 NG	1.29
19	122	583	8:47	15	0.960	A VV	139472.	50.000 NG	1.29
20	93	584	8:48	15	0.962	A BB	298160.	50.000 NG	1.29
21	162	594	8:57	15	0.979	A BB	128100.	50.000 NG	1.29

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	603	9:05	15	0.993	A BB	133132.	50.000	NG	1.29
23	128	609	9:10	15	1.003	A BV	530344.	50.000	NG	1.29
24	127	614	9:15	15	1.012	A VV	209352.	50.000	NG	1.29
25	225	627	9:27	15	1.033	A BB	60492.	50.000	NG	1.29
26	107	661	9:57	15	1.089	A BB	177952.	50.000	NG	1.29
27	142	676	10:11	15	1.114	A BB	302508.	50.000	NG	1.29
28	164	780	11:45	28	1.000	A BB	173108.	40.000	NG	1.03
29	237	699	10:32	28	0.896	A BB	50560.	50.000	NG	1.29
30	196	705	10:37	28	0.904	A BV	82052.	50.000	NG	1.29
31	196	709	10:41	28	0.909	A VB	68500.	50.000	NG	1.29
32	162	724	10:54	28	0.928	A VB	251544.	50.000	NG	1.29
33	65	735	11:04	28	0.942	A BV	167168.	50.000	NG	1.29
34	163	756	11:23	28	0.969	A BB	304156.	50.000	NG	1.29
35	152	765	11:31	28	0.981	A BB	416352.	50.000	NG	1.29
36	138	775	11:40	28	0.994	A BV	85716.	50.000	NG	1.29
37	153	784	11:48	28	1.005	A BB	264220.	50.000	NG	1.29
38	184	786	11:50	28	1.008	A*BB	28860.	50.000	NG	1.29
39	139	791	11:55	28	1.014	A VV	64792.	50.000	NG	1.29
40	168	799	12:02	28	1.024	A BB	345024.	50.000	NG	1.29
41	89	801	12:04	28	1.027	A VV	132460.	50.000	NG	1.29
42	165	762	11:29	28	0.977	A VB	68364.	50.000	NG	1.29
43	149	826	12:26	28	1.059	A VV	285052.	50.000	NG	1.29
44	204	833	12:33	28	1.068	A BB	107916.	50.000	NG	1.29
45	166	834	12:34	28	1.069	A BV	262844.	50.000	NG	1.29
46	138	836	12:35	28	1.072	A*BV	78496.	50.000	NG	1.29
47	188	926	13:57	47	1.000	A*BV	217772.	40.000	NG	1.03
48	198	841	12:40	47	0.908	A BB	37120.	50.000	NG	1.29
49	169	844	12:43	47	0.911	A VB	184608.	50.000	NG	1.29
50	248	881	13:16	47	0.951	A*BB	64388.	50.000	NG	1.29
51	284	896	13:30	47	0.968	A BB	80360.	50.000	NG	1.29
52	266	913	13:45	47	0.986	A VB	46896.	50.000	NG	1.29
53	178	929	13:59	47	1.003	A VV	339280.	50.000	NG	1.29
54	178	933	14:03	47	1.008	A VV	272108.	50.000	NG	1.29
55	149	986	14:51	47	1.065	A VV	494640.	50.000	NG	1.29
56	202	1048	15:47	47	1.132	A VV	310820.	50.000	NG	1.29
57	240	1193	17:58	57	1.000	A BV	150976.	40.000	NG	1.03
58	202	1070	16:07	57	0.897	A VV	296152.	50.000	NG	1.29
59	149	1134	17:05	57	0.951	A VV	182927.	50.000	NG	1.29
60	252	1187	17:53	57	0.995	A BV	79900.	50.000	NG	1.29
61	228	1191	17:56	57	0.998	A VV	242384.	50.000	NG	1.29
62	149	1194	17:59	57	1.001	A VV	264984.	50.000	NG	1.29
63	228	1196	18:01	57	1.003	A VV	238036.	50.000	NG	1.29
64	264	1408	21:12	64	1.000	A BV	143564.	40.000	NG	1.03
65	149	1271	19:08	64	0.903	A BB	382912.	50.000	NG	1.29
66	252	1339	20:10	64	0.951	A BV	238289.	50.000	NG	1.29
67	252	1344	20:14	64	0.955	A VV	186897.	50.000	NG	1.29
68	252	1398	21:03	64	0.993	A VV	207766.	50.000	NG	1.29
69	276	1668	25:07	64	1.185	A BV	246960.	50.000	NG	1.29
70	278	1671	25:10	64	1.187	A BV	199752.	50.000	NG	1.29
71	276	1743	26:15	64	1.238	A BV	196488.	50.000	NG	1.29
72	112	381	5:44	1	0.781	A BV	252272.	50.000	NG	1.29
73	99	458	6:54	1	0.939	A BV	346916.	50.000	NG	1.29
74	82	540	8:08	15	0.890	A VB	317996.	50.000	NG	1.29
75	172	713	10:44	28	0.914	A BB	271892.	50.000	NG	1.29
76	141	859	12:56	28	1.101	A*BB	21644.	50.000	NG	1.29
77	244	1084	16:19	57	0.909	A VV	214396.	50.000	NG	1.29

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
78	212	1069	16:06	57	0.896	A VV	280336.	50.000 NG	1.29
79	216	724	10:54	15	1.193	A BB	103200.	50.000 NG	1.29

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:21	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:55	1.00	10.000	0.09	50.00	50.00	2.997	2.997	1.00
3	7:01	1.00	10.000	0.10	50.00	50.00	2.486	2.486	1.00
4	7:06	1.00	10.000	0.10	50.00	50.00	1.769	1.769	1.00
5	7:18	1.00	10.000	0.10	50.00	50.00	1.709	1.709	1.00
6	7:22	1.00	10.000	0.10	50.00	50.00	1.635	1.635	1.00
7	7:33	1.00	10.000	0.10	50.00	50.00	1.354	1.354	1.00
8	7:37	1.00	10.000	0.10	50.00	50.00	1.593	1.593	1.00
9	7:44	1.00	10.000	0.11	50.00	50.00	1.651	1.651	1.00
10	7:46	1.00	10.000	0.11	50.00	50.00	3.016	3.016	1.00
11	7:54	1.00	10.000	0.11	50.00	50.00	1.818	1.818	1.00
12	7:57	1.00	10.000	0.11	50.00	50.00	2.062	2.062	1.00
13	8:03	1.00	10.000	0.11	50.00	50.00	0.860	0.860	1.00
14	8:10	1.00	10.000	0.11	50.00	50.00	2.724	2.724	1.00
15	9:08	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:30	1.00	10.000	0.09	50.00	50.00	1.091	1.091	1.00
17	8:37	1.00	10.000	0.09	50.00	50.00	0.228	0.228	1.00
18	8:40	1.00	10.000	0.09	50.00	50.00	0.367	0.367	1.00
19	8:47	1.00	50.000	0.02	50.00	50.00	0.283	0.283	1.00
20	8:48	1.00	10.000	0.10	50.00	50.00	0.604	0.604	1.00
21	8:57	1.00	10.000	0.10	50.00	50.00	0.259	0.259	1.00
22	9:05	1.00	10.000	0.10	50.00	50.00	0.270	0.270	1.00
23	9:10	1.00	10.000	0.10	50.00	50.00	1.074	1.074	1.00
24	9:15	1.00	10.000	0.10	50.00	50.00	0.424	0.424	1.00
25	9:27	1.00	10.000	0.10	50.00	50.00	0.123	0.123	1.00
26	9:57	1.00	10.000	0.11	50.00	50.00	0.360	0.360	1.00
27	10:11	1.00	10.000	0.11	50.00	50.00	0.613	0.613	1.00
28	11:45	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:32	1.00	10.000	0.09	50.00	50.00	0.234	0.234	1.00
30	10:37	1.00	10.000	0.09	50.00	50.00	0.379	0.379	1.00
31	10:41	1.00	50.000	0.02	50.00	50.00	0.317	0.317	1.00
32	10:54	1.00	10.000	0.09	50.00	50.00	1.162	1.162	1.00
33	11:04	1.00	50.000	0.02	50.00	50.00	0.773	0.773	1.00
34	11:23	1.00	10.000	0.10	50.00	50.00	1.406	1.406	1.00
35	11:31	1.00	10.000	0.10	50.00	50.00	1.924	1.924	1.00
36	11:40	1.00	50.000	0.02	50.00	50.00	0.396	0.396	1.00
37	11:48	1.00	10.000	0.10	50.00	50.00	1.221	1.221	1.00
38	11:50	1.00	50.000	0.02	50.00	50.00	0.133	0.133	1.00
39	11:55	1.00	50.000	0.02	50.00	50.00	0.299	0.299	1.00
40	12:02	1.00	10.000	0.10	50.00	50.00	1.594	1.594	1.00
41	12:04	1.00	10.000	0.10	50.00	50.00	0.612	0.612	1.00
42	11:29	1.00	10.000	0.10	50.00	50.00	0.316	0.316	1.00
43	12:26	1.00	10.000	0.11	50.00	50.00	1.317	1.317	1.00
44	12:33	1.00	10.000	0.11	50.00	50.00	0.499	0.499	1.00
45	12:34	1.00	10.000	0.11	50.00	50.00	1.215	1.215	1.00
46	12:35	1.00	50.000	0.02	50.00	50.00	0.363	0.363	1.00
47	13:57	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:40	1.00	50.000	0.02	50.00	50.00	0.136	0.136	1.00
49	12:43	1.00	10.000	0.09	50.00	50.00	0.678	0.678	1.00
50	13:16	1.00	10.000	0.10	50.00	50.00	0.237	0.237	1.00
51	13:30	1.00	10.000	0.10	50.00	50.00	0.295	0.295	1.00
52	13:45	1.00	50.000	0.02	50.00	50.00	0.172	0.172	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	13:59	1.00	10.000	0.10	50.00	50.00	1.246	1.246	1.00
54	14:03	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
55	14:51	1.00	10.000	0.11	50.00	50.00	1.817	1.817	1.00
56	15:47	1.00	10.000	0.11	50.00	50.00	1.142	1.142	1.00
57	17:58	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	16:07	1.00	10.000	0.09	50.00	50.00	1.569	1.569	1.00
59	17:05	1.00	10.000	0.10	50.00	50.00	0.969	0.969	1.00
60	17:53	1.00	20.000	0.05	50.00	50.00	0.423	0.423	1.00
61	17:56	1.00	10.000	0.10	50.00	50.00	1.284	1.284	1.00
62	17:59	1.00	10.000	0.10	50.00	50.00	1.404	1.404	1.00
63	18:01	1.00	10.000	0.10	50.00	50.00	1.261	1.261	1.00
64	21:12	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:08	1.00	10.000	0.09	50.00	50.00	2.134	2.134	1.00
66	20:10	1.00	10.000	0.10	50.00	50.00	1.328	1.328	1.00
67	20:14	1.00	10.000	0.10	50.00	50.00	1.041	1.041	1.00
68	21:03	1.00	10.000	0.10	50.00	50.00	1.158	1.158	1.00
69	25:07	1.00	10.000	0.12	50.00	50.00	1.376	1.376	1.00
70	25:10	1.00	10.000	0.12	50.00	50.00	1.113	1.113	1.00
71	26:15	1.00	10.000	0.12	50.00	50.00	1.095	1.095	1.00
72	5:44	1.00	0.742	1.05	50.00	50.00	2.046	2.046	1.00
73	6:54	1.00	0.948	0.99	50.00	50.00	2.814	2.814	1.00
74	8:08	1.00	0.875	1.02	50.00	50.00	0.644	0.644	1.00
75	10:44	1.00	0.906	1.01	50.00	50.00	1.257	1.257	1.00
76	12:56	1.00	1.118	0.98	50.00	50.00	0.100	0.100	1.00
77	16:19	1.00	0.907	1.00	50.00	50.00	1.136	1.136	1.00
78	16:06	1.00	10.000	0.09	50.00	50.00	1.485	1.485	1.00
79	10:54	1.00	1.000	1.19	50.00	50.00	0.209	0.209	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 0:23
Time Tune Expires 12:23

Shift(s) (A) ___ (B) ___ (C) X
Date 5/22/86
Analysis Type SEMI

Run Log

	Rejected	File Name	Reported	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #s, Disposition, Etc.)
1	✓	DI86 0522C15		5/22/86	0:10	DFTPP		1ul	ul9		3117	785-0 - D'°HIGH
2		DI860522C15		5/22/86	0:23	DFTPP		1ul	ul9		3117	7050
3		HG860522C15		5/22/86	0:59	STD	50NG	1ul	ul9		3117	2375
4		SC860522C15		5/22/86	1:46			1ul	ul9		3117	992
5		GH086002A15		/ /	9:02	H	5922	1ul	SD			
6		GSD83273A15		/ /	10:24	MW101	EL [illegible]	1ul	SD			Turned in 5-21
7		GSD84595A15		/ /	:	SS	[illegible]	1ul	SD			
8		GH085341A15		/ /	11:51	FD442	5922	1ul	SD			
9		GH085005A15		/ /	12:23	C-[illegible]	[illegible]	1ul	SD			
10				/ /	:							
11				/ /	:							
12				/ /	:							
13				/ /	:							
14				/ /	:							
15				/ /	:							
16				/ /	:							5/22/86
17				/ /	:							DS
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							
25				/ /	:							
26				/ /	:							

L Walker

Press Multiple Copies

verified 5/29/86 [illegible]

COMPUCHEM LABS

RIC

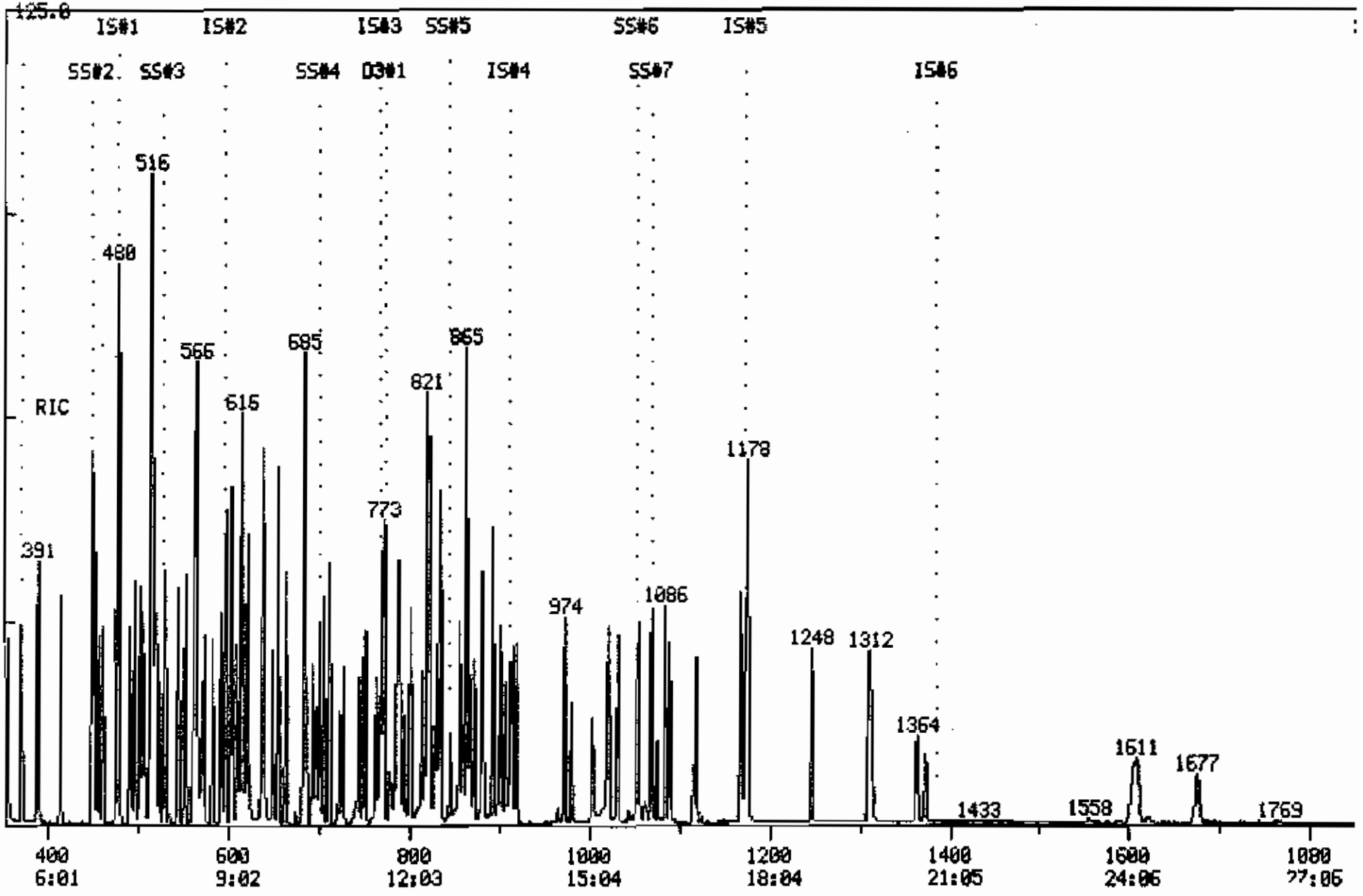
05/22/06 17:00:00

SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.

CONDS.:

COMPUCHEM DATA: HG860522B15 SCANS 351 TO 1851

OUT OF 351 TO 1900



COMPUCHEM LABS

RIC

COMPUCHEM DATA: HG860522B15 SCANS 1851 TO 1900
OUT OF 351 TO 1900

05/22/86 17:00:00

SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.

CONDS.:

2032630.

SCAN
TIME

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QUANTITATION REPORT    FILE: HQB60522B15

DATA: HQB60522B15.TI
05/22/86 17:00:00
SAMPLE: 1 UL STD #2375 (17773+17467)-50 NG.
CONDS.:
SUBMITTED BY: 15              ANALYST: 803

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

 NO  NAME
  1  *494 D4-1,4-DICHLOROBENZENE (IS#1)
  2  610 PHENOL (Q1#3) <108-95-2>
  3  411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
  4  601 2-CHLOROPHENOL (Q1#6) <95-57-8>
  5  421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
  6  422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
  7  474 BENZYL ALCOHOL (Q1#9) <100-51-6>
  8  420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
  9  620 2-METHYLPHENOL (Q1#11) <95-48-7>
 10  412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
 11  622 4-METHYLPHENOL (Q1#13) <106-44-5>
 12  442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
 13  436 HEXACHLOROETHANE (Q1#15) <67-72-1>
 14  440 NITROBENZENE (Q1#16) <98-95-3>
 15  *460 D8-NAPHTHALENE (IS#2)
 16  438 ISOPHORONE (Q2#2) <78-59-1>
 17  606 2-NITROPHENOL (Q2#3) <88-75-5>
 18  603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
 19  625 BENZOIC ACID (Q2#5) <65-85-0>
 20  410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
 21  602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
 22  446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
 23  439 NAPHTHALENE (Q2#9) <91-20-3>
 24  475 4-CHLOROANILINE (Q2#10) <106-47-8>
 25  434 HEXACHLORDBUTADIENE (Q2#11) <87-68-3>
 26  608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
 27  477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
 28  *495 D10-ACENAPHTHENE (IS#3)
 29  435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
 30  611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
 31  626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
 32  416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
 33  478 2-NITROANILINE (Q3#6) <88-74-4>
 34  425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
 35  402 ACENAPHTHYLENE (Q3#8) <208-96-8>
 36  479 3-NITROANILINE (Q3#9) <99-09-2>
 37  401 ACENAPHTHENE (Q3#10) <83-32-9>
 38  @605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
 39  607 4-NITROPHENOL (Q3#12) <100-02-7>
 40  476 DIBENZOFURAN (Q3#13) <132-64-9>
 41  427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
 42  428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
 43  424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
 44  417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
 45  432 FLUORENE (Q3#18) <86-73-7>
 46  480 4-NITROANILINE (Q3#19) <100-01-6>
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NO	NAME
47	*467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DT-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#446 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

5/22/96

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	479	7:13	1	1.000	A BB	90104.	40.000 NG	1.00
2	94	451	6:48	1	0.942	A BB	286464.	50.000 NG	1.25
3	93	458	6:54	1	0.956	A VV	289040.	50.000 NG	1.25
4	128	463	6:58	1	0.967	A BB	186204.	50.000 NG	1.25
5	146	476	7:10	1	0.994	A BV	187028.	50.000 NG	1.25
6	146	480	7:14	1	1.002	A VB	183416.	50.000 NG	1.25
7	108	492	7:25	1	1.027	A BV	135336.	50.000 NG	1.25
8	146	497	7:29	1	1.038	A BB	174108.	50.000 NG	1.25
9	108	504	7:35	1	1.052	A VV	189972.	50.000 NG	1.25
10	45	507	7:38	1	1.058	A VV	555196.	50.000 NG	1.25
11	108	516	7:46	1	1.077	A VV	190032.	50.000 NG	1.25
12	70	519	7:49	1	1.084	A VV	240648.	50.000 NG	1.25
13	117	526	7:55	1	1.098	A BB	97492.	50.000 NG	1.25
14	77	532	8:01	1	1.111	A VV	296245.	50.000 NG	1.25
15	136	597	8:59	15	1.000	A BB	351932.	40.000 NG	1.00
16	82	554	8:21	15	0.928	A BV	556608.	50.000 NG	1.25
17	139	562	8:28	15	0.941	A BB	95344.	50.000 NG	1.25
18	122	565	8:31	15	0.946	A*BV	169320.	50.000 NG	1.25
19	122	574	8:39	15	0.961	A VV	120848.	50.000 NG	1.25
20	93	575	8:40	15	0.963	A VB	266808.	50.000 NG	1.25
21	162	584	8:48	15	0.978	A BB	105192.	50.000 NG	1.25

NO	M/E	SCAN	TIME	REF	RRT	METH		AREA(HGHT)	AMOUNT		%TOT
22	180	593	8:56	15	0.993	A BB		121648.	50.000	NG	1.25
23	128	599	9:01	15	1.003	A VV		477920.	50.000	NG	1.25
24	127	605	9:07	15	1.013	A BV		189556.	50.000	NG	1.25
25	225	617	9:18	15	1.034	A BB		53856.	50.000	NG	1.25
26	107	650	9:47	15	1.089	A BB		139600.	50.000	NG	1.25
27	142	665	10:01	15	1.114	A BB		274624.	50.000	NG	1.25
28	164	768	11:34	28	1.000	A BB		150128.	40.000	NG	1.00
29	237	687	10:21	28	0.895	A BB		53380.	50.000	NG	1.25
30	196	694	10:27	28	0.904	A*BB	6433e	128660.	100.000	NG	2.51
31	196	694	10:27	28	0.904	A BB	6433e	128660.	100.000	NG	2.51
32	162	712	10:43	28	0.927	A VB		225408.	50.000	NG	1.25
33	65	724	10:54	28	0.943	A BV		162744.	50.000	NG	1.25
34	163	744	11:12	28	0.969	A BB		275148.	50.000	NG	1.25
35	152	753	11:20	28	0.980	A BB		374892.	50.000	NG	1.25
36	138	764	11:30	28	0.995	A BV		78288.	50.000	NG	1.25
37	153	771	11:37	28	1.004	A BB		238088.	50.000	NG	1.25
38	184	774	11:39	28	1.008	A BB		29036.	50.000	NG	1.25
39	139	779	11:44	28	1.014	A VV		56484.	50.000	NG	1.25
40	168	787	11:51	28	1.025	A BB		311644.	50.000	NG	1.25
41	89	789	11:53	28	1.027	A BV		135816.	50.000	NG	1.25
42	165	751	11:19	28	0.978	A VB		60616.	50.000	NG	1.25
43	149	814	12:16	28	1.060	A BV		296440.	50.000	NG	1.25
44	204	821	12:22	28	1.069	A BB		97560.	50.000	NG	1.25
45	166	821	12:22	28	1.069	A BV		236344.	50.000	NG	1.25
46	138	824	12:25	28	1.073	A*VV		79596.	50.000	NG	1.25
47	188	913	13:45	47	1.000	A BV		207768.	40.000	NG	1.00
48	198	829	12:29	47	0.908	A BB		36096.	50.000	NG	1.25
49	169	832	12:32	47	0.911	A VB		168048.	50.000	NG	1.25
50	248	868	13:04	47	0.951	A BB		56608.	50.000	NG	1.25
51	284	883	13:18	47	0.967	A BB		72756.	50.000	NG	1.25
52	266	900	13:33	47	0.986	A BV		47128.	50.000	NG	1.25
53	178	915	13:47	47	1.002	A VV		354628.	50.000	NG	1.25
54	178	920	13:51	47	1.008	A VV		245916.	50.000	NG	1.25
55	149	974	14:40	47	1.067	A VV		479108.	50.000	NG	1.25
56	202	1033	15:33	47	1.131	A VV		293324.	50.000	NG	1.25
57	240	1175	17:42	57	1.000	A VV		143724.	40.000	NG	1.00
58	202	1056	15:54	57	0.899	A VV		286136.	50.000	NG	1.25
59	149	1120	16:52	57	0.953	A VV		179832.	50.000	NG	1.25
60	252	1170	17:37	57	0.996	A VV		78652.	50.000	NG	1.25
61	228	1173	17:40	57	0.998	A VV		246626.	50.000	NG	1.25
62	149	1177	17:44	57	1.002	A VV		258642.	50.000	NG	1.25
63	228	1178	17:44	57	1.003	A VB		209791.	50.000	NG	1.25
64	264	1373	20:41	64	1.000	A BV		152172.	40.000	NG	1.00
65	149	1248	18:48	64	0.909	A VV		446439.	50.000	NG	1.25
66	252	1310	19:44	64	0.954	A VV		247561.	50.000	NG	1.25
67	252	1314	19:47	64	0.957	A VB		178514.	50.000	NG	1.25
68	252	1364	20:32	64	0.993	A VV		218922.	50.000	NG	1.25
69	276	1607	24:12	64	1.170	A BV		284256.	50.000	NG	1.25
70	278	1612	24:17	64	1.174	A BB		235348.	50.000	NG	1.25
71	276	1677	25:15	64	1.221	A BB		236892.	50.000	NG	1.25
72	112	372	5:36	1	0.777	A BV		215212.	50.000	NG	1.25
73	99	449	6:46	1	0.937	A BV		301988.	50.000	NG	1.25
74	82	530	7:59	15	0.888	A VB		284024.	50.000	NG	1.25
75	172	702	10:34	28	0.914	A BB		236420.	50.000	NG	1.25
76	141	846	12:44	28	1.102	A VV		16664.	50.000	NG	1.25
77	244	1070	16:07	57	0.911	A VV		169056.	50.000	NG	1.25

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
78	212	1054	15:52	57	0.897	A VV	239648.	50.000 NG	1.25
79	216	713	10:44	15	1.194	A BB	89548.	50.000 NG	1.25

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:48	1.00	10.000	0.09	50.00	50.00	2.543	2.543	1.00
3	6:54	1.00	10.000	0.10	50.00	50.00	2.566	2.566	1.00
4	6:58	1.00	10.000	0.10	50.00	50.00	1.653	1.653	1.00
5	7:10	1.00	10.000	0.10	50.00	50.00	1.661	1.661	1.00
6	7:14	1.00	10.000	0.10	50.00	50.00	1.628	1.628	1.00
7	7:25	1.00	10.000	0.10	50.00	50.00	1.202	1.202	1.00
8	7:29	1.00	10.000	0.10	50.00	50.00	1.546	1.546	1.00
9	7:35	1.00	10.000	0.11	50.00	50.00	1.687	1.687	1.00
10	7:38	1.00	10.000	0.11	50.00	50.00	4.929	4.929	1.00
11	7:46	1.00	10.000	0.11	50.00	50.00	1.687	1.687	1.00
12	7:49	1.00	10.000	0.11	50.00	50.00	2.137	2.137	1.00
13	7:55	1.00	10.000	0.11	50.00	50.00	0.866	0.866	1.00
14	8:01	1.00	10.000	0.11	50.00	50.00	2.630	2.630	1.00
15	8:59	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:21	1.00	10.000	0.09	50.00	50.00	1.265	1.265	1.00
17	8:28	1.00	10.000	0.09	50.00	50.00	0.217	0.217	1.00
18	8:31	1.00	10.000	0.09	50.00	50.00	0.385	0.385	1.00
19	8:39	1.00	50.000	0.02	50.00	50.00	0.275	0.275	1.00
20	8:40	1.00	10.000	0.10	50.00	50.00	0.606	0.606	1.00
21	8:48	1.00	10.000	0.10	50.00	50.00	0.239	0.239	1.00
22	8:56	1.00	10.000	0.10	50.00	50.00	0.277	0.277	1.00
23	9:01	1.00	10.000	0.10	50.00	50.00	1.086	1.086	1.00
24	9:07	1.00	10.000	0.10	50.00	50.00	0.431	0.431	1.00
25	9:18	1.00	10.000	0.10	50.00	50.00	0.122	0.122	1.00
26	9:47	1.00	10.000	0.11	50.00	50.00	0.317	0.317	1.00
27	10:01	1.00	10.000	0.11	50.00	50.00	0.624	0.624	1.00
28	11:34	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:21	1.00	10.000	0.09	50.00	50.00	0.284	0.284	1.00
30	10:27	1.00	10.000	0.09	100.00	100.00	0.343	0.343	1.00
31	10:27	1.00	50.000	0.02	100.00	100.00	0.343	0.343	1.00
32	10:43	1.00	10.000	0.09	50.00	50.00	1.201	1.201	1.00
33	10:54	1.00	50.000	0.02	50.00	50.00	0.867	0.867	1.00
34	11:12	1.00	10.000	0.10	50.00	50.00	1.466	1.466	1.00
35	11:20	1.00	10.000	0.10	50.00	50.00	1.998	1.998	1.00
36	11:30	1.00	50.000	0.02	50.00	50.00	0.417	0.417	1.00
37	11:37	1.00	10.000	0.10	50.00	50.00	1.269	1.269	1.00
38	11:39	1.00	50.000	0.02	50.00	50.00	0.155	0.155	1.00
39	11:44	1.00	50.000	0.02	50.00	50.00	0.301	0.301	1.00
40	11:51	1.00	10.000	0.10	50.00	50.00	1.661	1.661	1.00
41	11:53	1.00	10.000	0.10	50.00	50.00	0.724	0.724	1.00
42	11:19	1.00	10.000	0.10	50.00	50.00	0.323	0.323	1.00
43	12:16	1.00	10.000	0.11	50.00	50.00	1.580	1.580	1.00
44	12:22	1.00	10.000	0.11	50.00	50.00	0.520	0.520	1.00
45	12:22	1.00	10.000	0.11	50.00	50.00	1.259	1.259	1.00
46	12:25	1.00	50.000	0.02	50.00	50.00	0.424	0.424	1.00
47	13:45	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:29	1.00	50.000	0.02	50.00	50.00	0.139	0.139	1.00
49	12:32	1.00	10.000	0.09	50.00	50.00	0.647	0.647	1.00
50	13:04	1.00	10.000	0.10	50.00	50.00	0.218	0.218	1.00
51	13:18	1.00	10.000	0.10	50.00	50.00	0.280	0.280	1.00
52	13:33	1.00	50.000	0.02	50.00	50.00	0.181	0.181	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	13:47	1.00	10.000	0.10	50.00	50.00	1.365	1.365	1.00
54	13:51	1.00	10.000	0.10	50.00	50.00	0.947	0.947	1.00
55	14:40	1.00	10.000	0.11	50.00	50.00	1.845	1.845	1.00
56	15:33	1.00	10.000	0.11	50.00	50.00	1.129	1.129	1.00
57	17:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:54	1.00	10.000	0.09	50.00	50.00	1.593	1.593	1.00
59	16:52	1.00	10.000	0.10	50.00	50.00	1.001	1.001	1.00
60	17:37	1.00	20.000	0.05	50.00	50.00	0.438	0.438	1.00
61	17:40	1.00	10.000	0.10	50.00	50.00	1.373	1.373	1.00
62	17:44	1.00	10.000	0.10	50.00	50.00	1.440	1.440	1.00
63	17:44	1.00	10.000	0.10	50.00	50.00	1.168	1.168	1.00
64	20:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:48	1.00	10.000	0.09	50.00	50.00	2.347	2.347	1.00
66	19:44	1.00	10.000	0.10	50.00	50.00	1.301	1.301	1.00
67	19:47	1.00	10.000	0.10	50.00	50.00	0.938	0.938	1.00
68	20:32	1.00	10.000	0.10	50.00	50.00	1.151	1.151	1.00
69	24:12	1.00	10.000	0.12	50.00	50.00	1.494	1.494	1.00
70	24:17	1.00	10.000	0.12	50.00	50.00	1.237	1.237	1.00
71	25:15	1.00	10.000	0.12	50.00	50.00	1.245	1.245	1.00
72	5:36	1.00	0.742	1.05	50.00	50.00	1.911	1.911	1.00
73	6:46	1.00	0.948	0.99	50.00	50.00	2.681	2.681	1.00
74	7:59	1.00	0.875	1.01	50.00	50.00	0.646	0.646	1.00
75	10:34	1.00	0.906	1.01	50.00	50.00	1.260	1.260	1.00
76	12:44	1.00	1.118	0.99	50.00	50.00	0.089	0.089	1.00
77	16:07	1.00	0.907	1.00	50.00	50.00	0.941	0.941	1.00
78	15:52	1.00	10.000	0.09	50.00	50.00	1.334	1.334	1.00
79	10:44	1.00	1.000	1.19	50.00	50.00	0.204	0.204	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Tune of Tune 1643
Time Tune Expires 0443

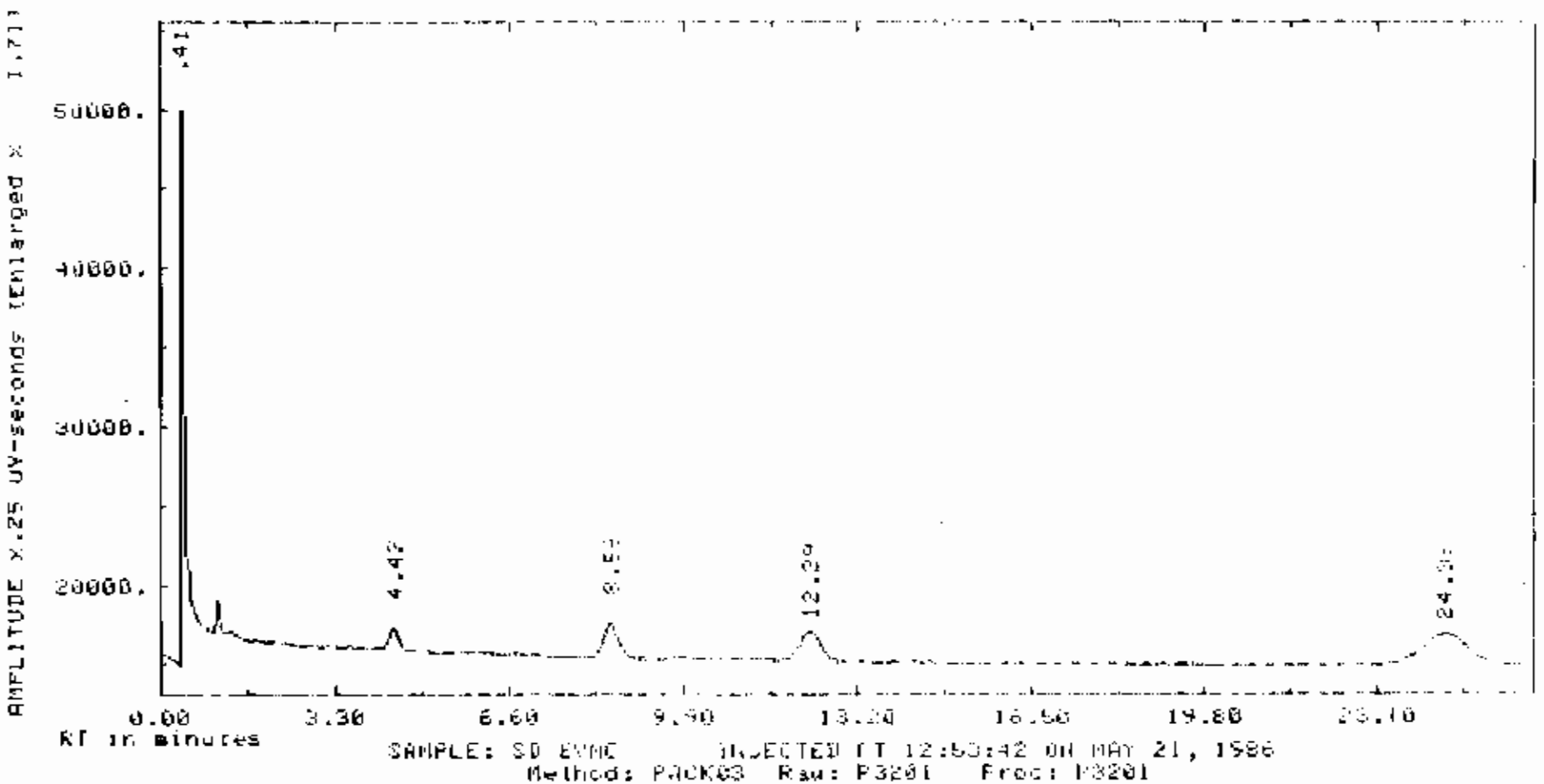
Shift(s) (A) ____ (B) ✓ (C) ____
Date 5/22/86
Analysis Type SV

	REJECTED	Run Log File Name	REPORTED	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Etc.
1		DH86052 2B15		5/22/86	16:43	DFTPP	—	1µl	803		3117	7050
2		HG86052 2B15		5/22/86	17:00	std	—	1µl	803		3117	2375-50
3		SC86052 3 B15		5/22/86	18:31	✓	—	1µl	803		3117	392
4		GJ3 84995B15		5/22/86	19:17	SS	WRS W	1µl	803		3117	
5		GD085336B15		5/22/86	20:08	FD438	5922	1µl	803		3117	5:1 Dil
6		GJ085329B15		5/22/86	20:47	SS	5922	1µl	803		3117	
7		GJ085330B15		5/22/86	21:55	SS	5922	1µl	803		3117	
8		GJ085319B15		5/22/86	23:32	FD433	5922	1µl	803		3117	
9		GH085327C15		5/23/86	0:15	FD432	5922	1µl	409		3117	
10	✓	GH085333C15		5/23/86	0:49	FD435	"	1µl	409		3117	
11	✓	GH085335C15		5/23/86	1:22	FD436	"	1µl	409		3117	
12		GH085338C15		5/23/86	1:54	FD441	"	1µl	409		3117	
13		GJD85333C15		5/23/86	2:33	FD435	"	1µl	409		3117	2:1 DIL
14		GH086000C15		5/23/86	3:25	BLK#1	EC/002	1µl	409		3117	
15		GH085304C15		5/23/86	3:58	SS	"	1µl	409		3117	
16		GH085305C15		5/23/86	4:32	SS	"	1µl	409		3117	
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							
25				/ /	:							
26				/ /	:							

KC 5/23/86

Press ' ' Multiple Copies

G. All pesticide evaluation standard(s) (A, B, and C) chromatograms and data system printouts in chronological order.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0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in Minutes
SAMPLE: SD EVNC INJECTED AT 12:50:42 ON MAY 21, 1986
Method: PACK03 Raw: P3201 Proc: P3201

Report: 357.00 Channel: 3

Sample: SD EVMC Injected at 12:53:42 ON MAY 21, 1986

ZERO Method: PACK03 Seq. SE032 Subsq/Samp. 1/ 1 Btl. 1

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%Tw	%Dil-f	Iso
NO	0.00	0	.36	5.0	100.00	NO

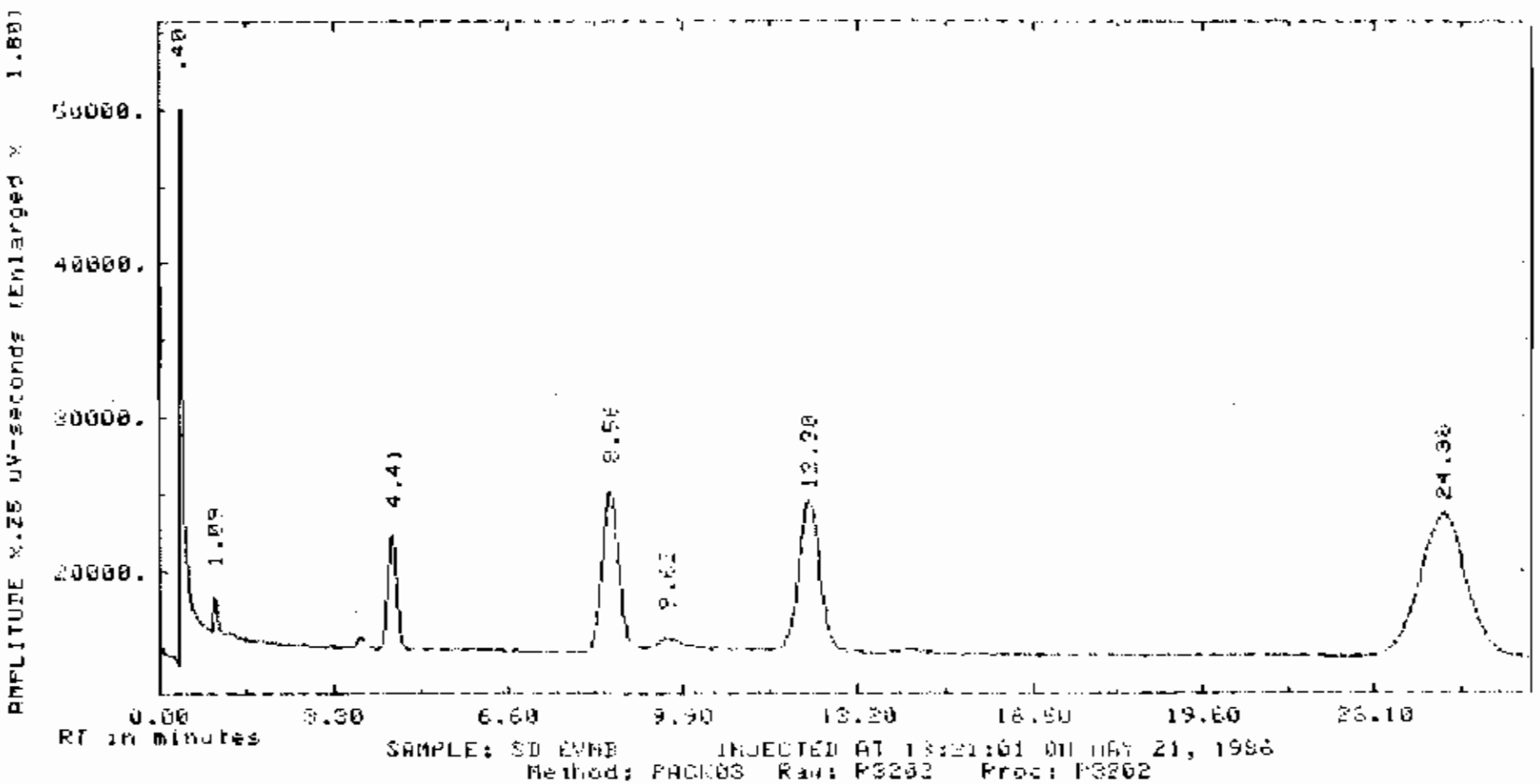
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.41	0.00	.10000E+01	105653.	BB	47.603	
4.42	0.00	.10000E+01	8375.	BB	3.773	
8.56	0.00	.10000E+01	21976.	BB	9.902	
12.29	0.00	.10000E+01	26255.	BB	11.829	
24.39	0.00	.10000E+01	59667.	BB	26.893	

Total Area = 221946. Total AREA % = 59667.000

Processed data file: P3201 Raw data file R3201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4.41
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12.20
24.36
0.00
3.30
6.60
9.90
13.20
16.50
19.80
26.10
RT in minutes
SAMPLE: SD EVNB INJECTED AT 13:21:01 ON DAY 21, 1986
Method: PACK03 Raw: P3202 Proc: P3202

Report: 358.00 Channel: 3

Sample: SD EVnB Injected at 13:21:01 ON MAY 21, 1996

ZERO Method: PACK03 Seq: SEQ32 . Subsq/Samp: 1/ 2 Bl: 2

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTW	%Diff	Iso
NO	0.00	0	.30	5.0	100.00	NO

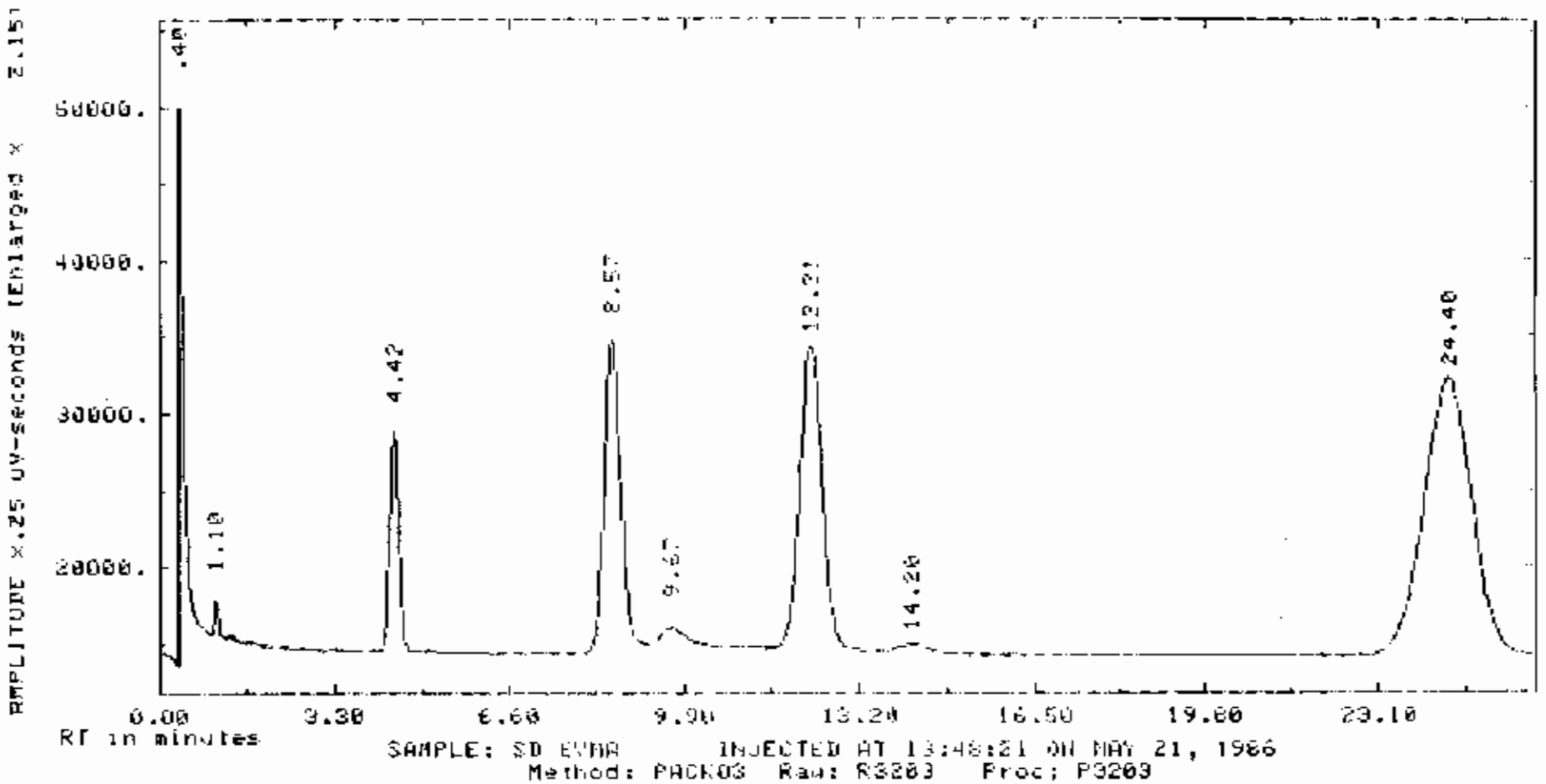
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	123596.	BB	17.347	
1.09	0.00	.10000E+01	5249.	BB	.737	
4.41	0.00	.10000E+01	40618.	BB	5.701	
8.56	0.00	.10000E+01	107020.	BB	15.021	
9.62	0.00	.10000E+01	10142.	BB	1.423	
12.30	0.00	.10000E+01	140443.	BB	19.712	
24.36	0.00	.10000E+01	285415.	BF	40.059	

Total Area = 712485. Total AREA % = 2[illegible]

Processed data file: P3202 Raw data file: R3202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4.42
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14.20
24.40
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EVAP INJECTED AT 13:46:21 ON MAY 21, 1986
Method: PACK03 Raw: R3203 Proc: P3203

Report: 359.00 Channel: 3

Sample: 3D EVNA Injected at 13:48:21 ON MAY 21, 19xx

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/ 3 Btl: 3

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	ZRTW	%Dil-f	Iso
NO	0.00	0	.50	5.0	100.00	NO

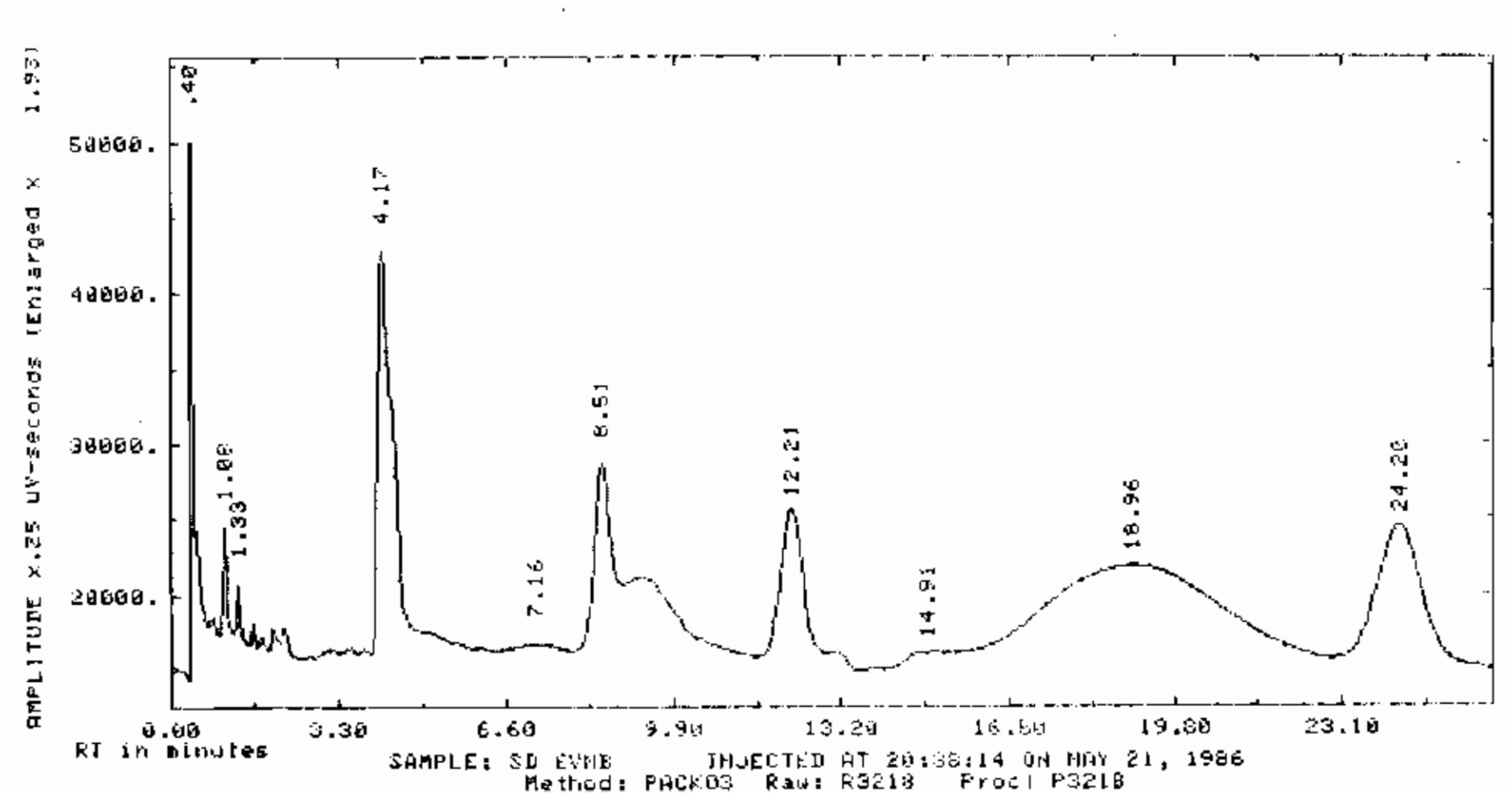
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITN	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	154365.	BB	11.562	
1.10	0.00	.10000E+01	5239.	BB	.392	
4.42	0.00	.10000E+01	81621.	BB	6.114	
8.57	0.00	.10000E+01	211875.	BB	15.870	
9.67	0.00	.10000E+01	16284.	BB	1.220	
12.31	0.00	.10000E+01	292100.	BB	21.879	
14.20	0.00	.10000E+01	8634.	BB	.647	
24.40	0.00	.10000E+01	564973.	BB	42.317	

Total Area = 1335096. Total AREA % = 564972.750

Processed data file: P3203 Raw data file: R3203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12.21
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18.96
24.20
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in Minutes
SAMPLE: SD EVNB INJECTED AT 20:38:14 ON MAY 21, 1986
Method: PACK03 Raw: R3218 Proc: P3218

Report: 374.00 Channel: 3

Sample: SD EVMB Injected at 20:38 14 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/1B Btl: 18

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.06	0	.36	5.0	100.00	NO

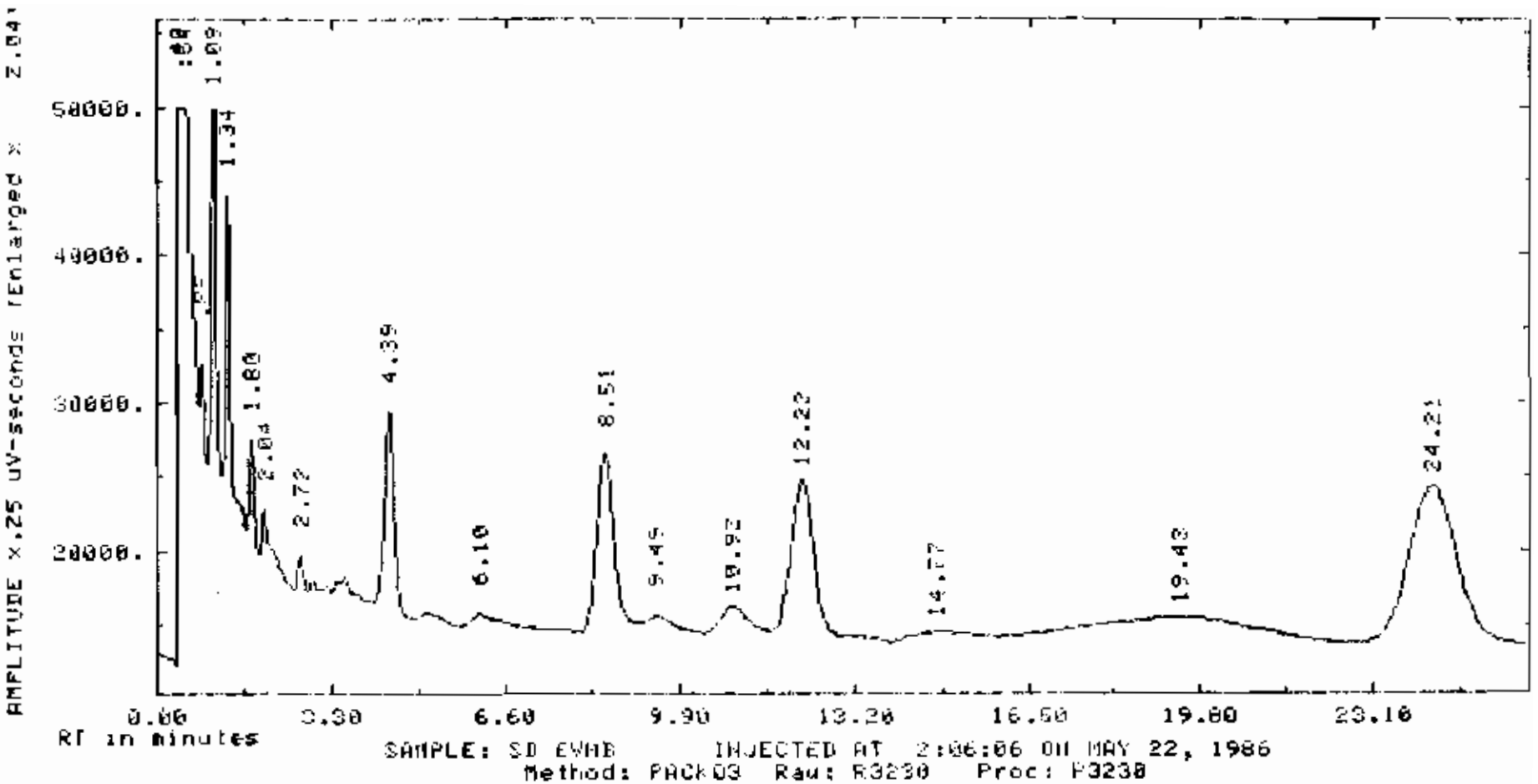
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	87351.	BB	5.620	
1.08	0.00	.10000E+01	15371.	BB	.989	
1.33	0.00	.10000E+01	7824.	BB	.503	
4.17	0.00	.10000E+01	243552.	BB	15.669	
7.16	0.00	.10000E+01	10331.	BB	.665	
8.51	0.00	.10000E+01	88650.	BB	5.703	
12.21	0.00	.10000E+01	170419.	BB	10.964	
14.91	0.00	.10000E+01	7011.	BB	.451	
18.96	0.00	.10000E+01	655181.	BB	42.155	
24.20	0.00	.10000E+01	268629.	BB	17.283	

Total Area = 1554326. Total AREA % = 266[illegible].250

Processed data file: P3210 Raw data file R3210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9.45
10.92
12.22
14.77
19.43
24.21
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EWHB INJECTED AT 2:06:06 ON MAY 22, 1986
Method: PACK03 Raw: R3230 Proc: P3230

Report: 386.00 Channel: 3

Sample: SD EVMB Injected at 2:06:06 ON MAY 22, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/30 Bll: 30

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTw	%D11-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

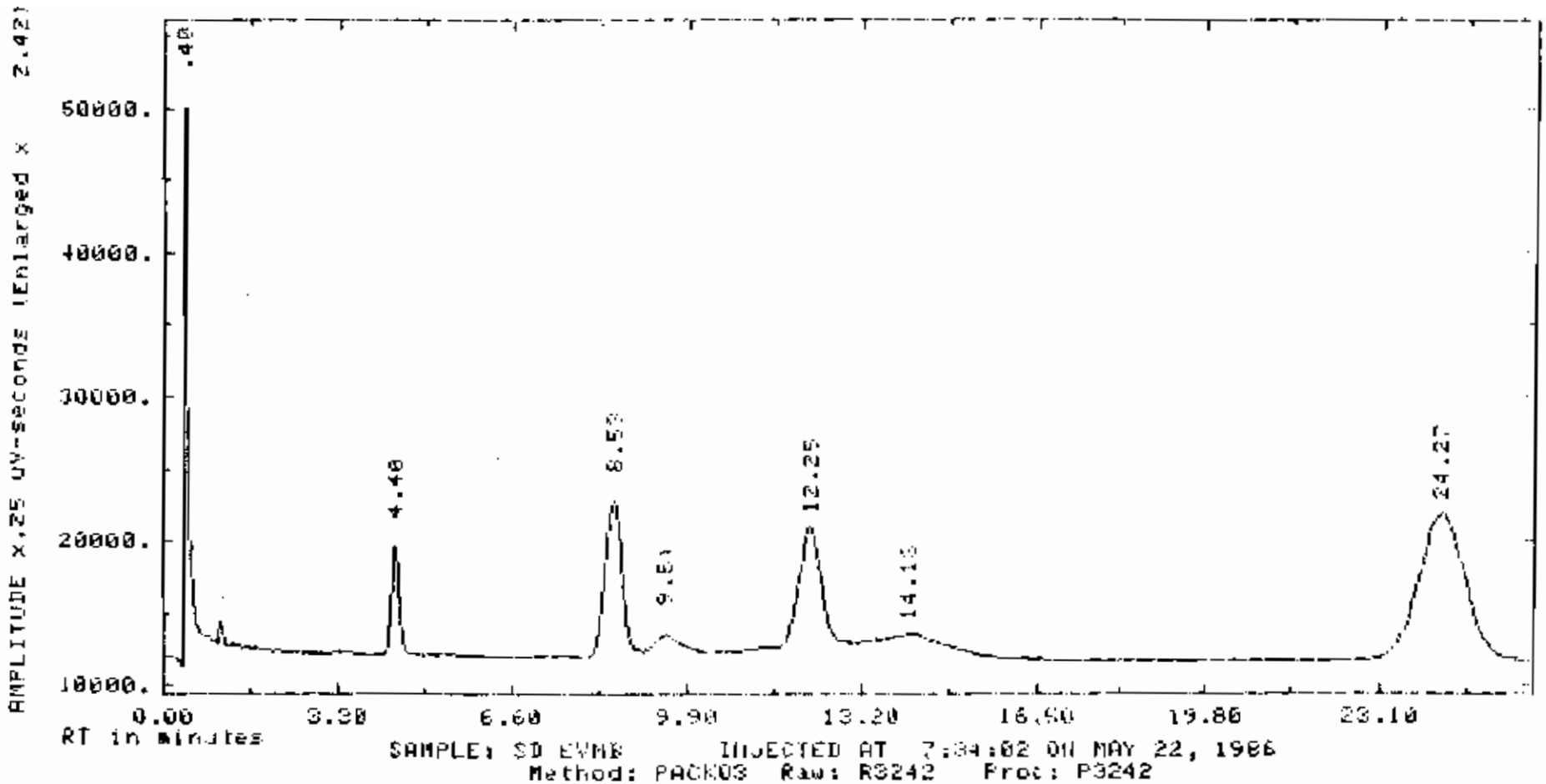
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	103710.	BB	8.329	
.54	0.00	.10000E+01	45258.	BB	3.635	
.85	0.00	.10000E+01	5029.	BB	.460	
1.09	0.00	.10000E+01	80247.	BB	6.444	
1.34	0.00	.10000E+01	43662.	BB	3.506	
1.80	0.00	.10000E+01	18008.	BB	1.446	
2.04	0.00	.10000E+01	16952.	BB	1.360	
2.72	0.00	.10000E+01	7456.	BB	.599	
4.39	0.00	.10000E+01	80462.	BB	6.462	
6.10	0.00	.10000E+01	18484.	BB	1.484	
8.51	0.00	.10000E+01	124587.	BB	10.005	
9.49	0.00	.10000E+01	7413.	BB	.595	
10.92	0.00	.10000E+01	28125.	BB	2.259	
12.22	0.00	.10000E+01	155177.	BB	12.462	
14.77	0.00	.10000E+01	18078.	BB	1.452	
19.43	0.00	.10000E+01	158992.	BB	12.766	
24.21	0.00	.10000E+01	332869.	BF	26.733	

Total Area = 1245230. Total AREA % = 332868.720

Processed data file: P3230 Raw data file: R3230


AMPLITUDE X.25 UV-seconds (Enlarged x 2.42)
50000.
40000.
30000.
20000.
10000.
.48
4.48
8.53
9.61
12.25
14.13
24.27
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EVNB
INJECTED AT 7:34:02 ON MAY 22, 1986
Method: PACK03 Raw: RS242 Proc: PS242

Report: 398.00 Channel: 3

Sample: SD EVKB Injected at 7:34:02 ON MAY 22, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/42 Btl: 42

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	XRTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

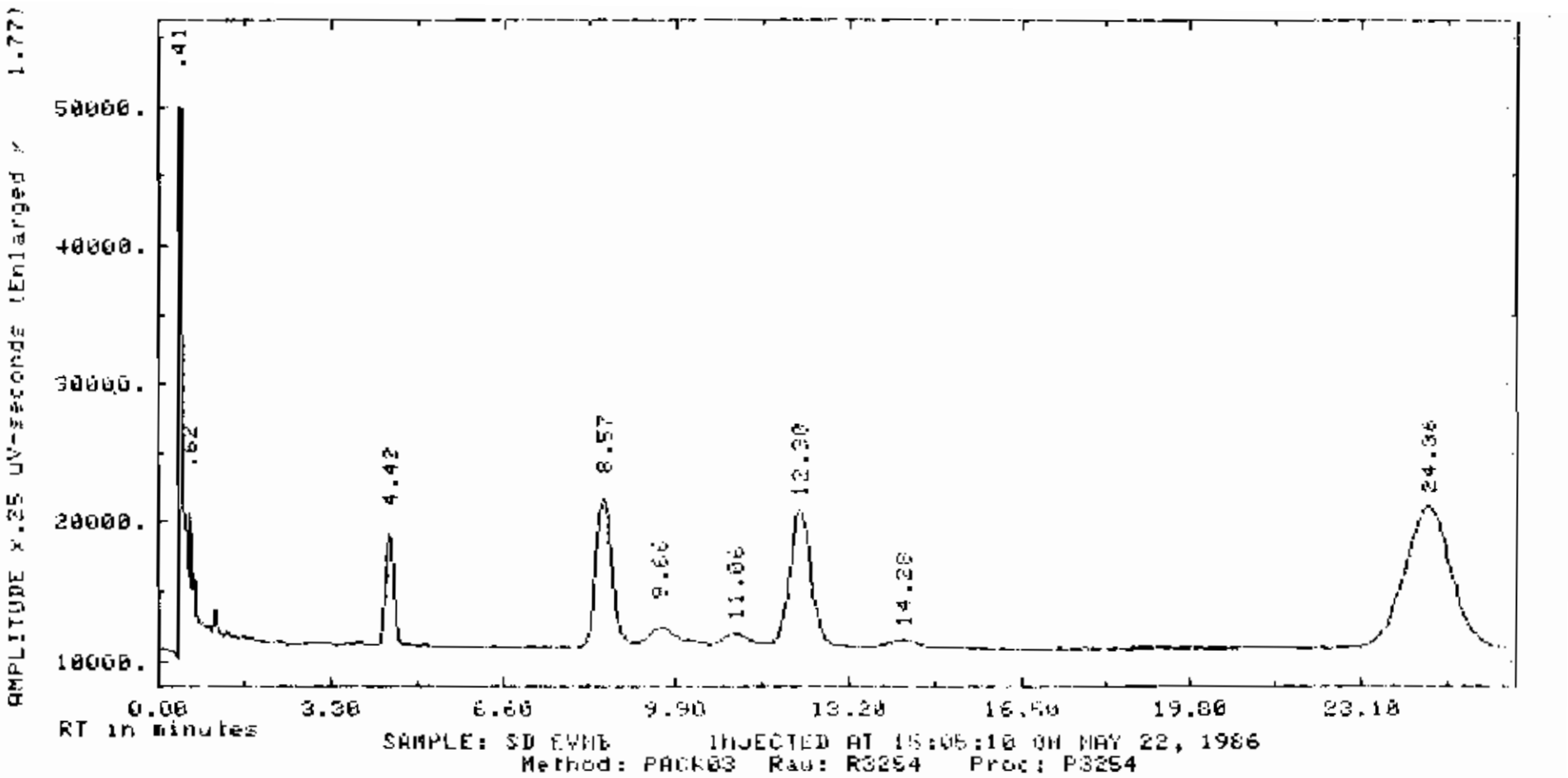
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	158363.	bB	20.781	
4.40	0.00	.10000E+01	41790.	BB	5.484	
8.53	0.00	.10000E+01	106218.	BB	13.939	
9.51	0.00	.10000E+01	16909.	BB	2.219	
12.25	0.00	.10000E+01	118679.	BB	15.574	
14.13	0.00	.10000E+01	8461.	bB	1.110	
24.27	0.00	.10000E+01	311625.	BF	40.893	

Total Area = 762046. Total AREA % = 311625.250

Processed data file: P3242 Raw data file: R3242


AMPLITUDE x.25 uV-seconds (Enlarged x 1.77)
50000.
40000.
30000.
20000.
10000.
.41
.62
4.42
8.57
9.66
11.06
12.30
14.28
24.36
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EVAL INJECTED AT 15:05:10 ON MAY 22, 1986
Method: PACK03 Raw: R3254 Proc: P3254

Report: 412.00 Channel: 3

Sample: SD EVMB Injected at 15:05:10 ON MAY 22, 1986

ZERO Method: PACK03 Seq. SEQ32 Subsq/Samp: 1/54 Btl: 54

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-f	Iso
NO	0.00	0	.36	5.0	100.00	NO

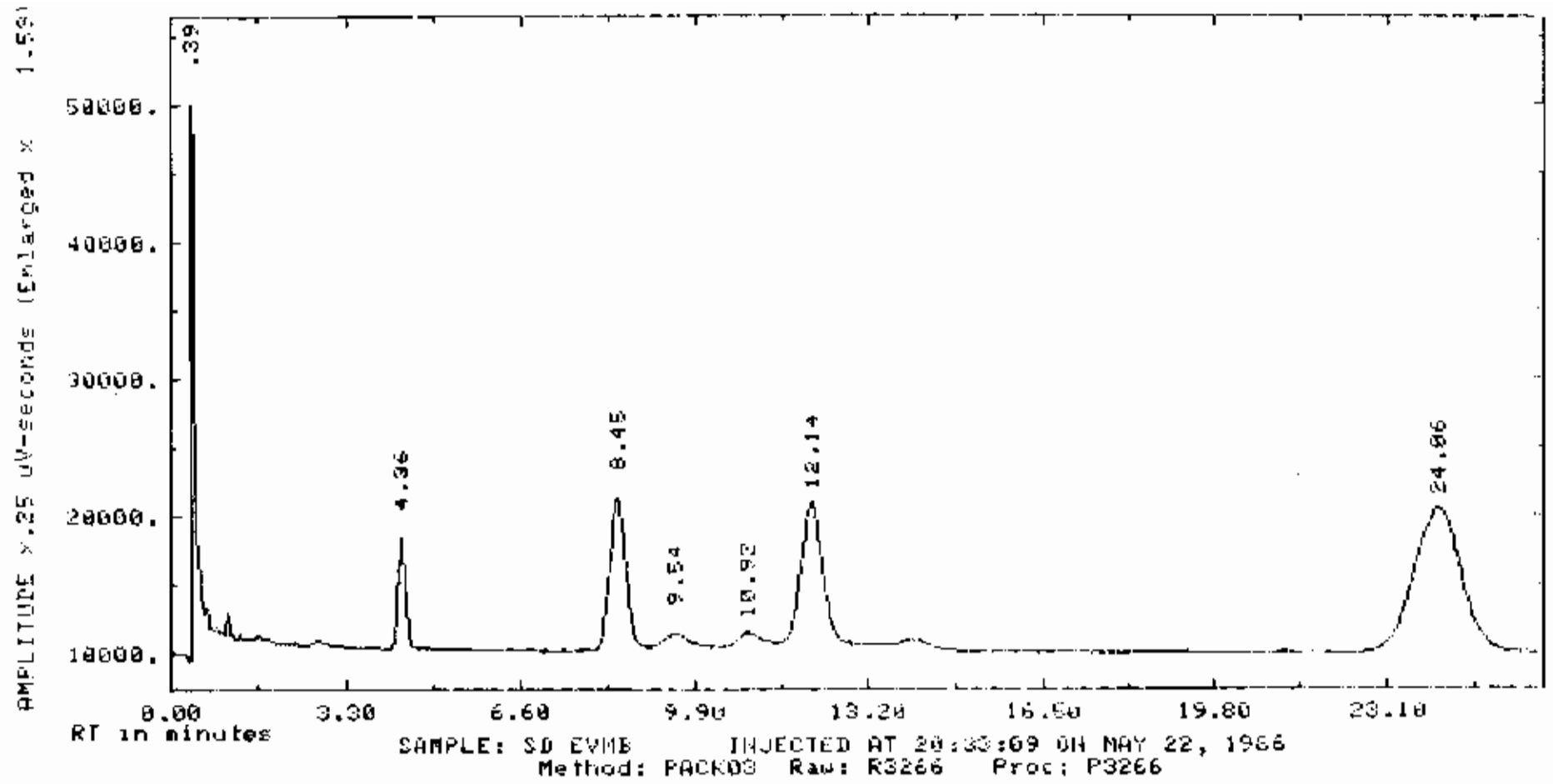
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.41	0.00	.10000E+01	114956.	BB	15.046	
.62	0.00	.10000E+01	5096.	BB	.667	
4.42	0.00	.10000E+01	44261.	BB	5.794	
8.57	0.00	.10000E+01	108182.	BB	14.162	
9.66	0.00	.10000E+01	18010.	BB	2.358	
11.06	0.00	.10000E+01	10545.	BB	1.380	
12.30	0.00	.10000E+01	138694.	BB	18.157	
14.28	0.00	.10000E+01	9330.	BB	1.221	
24.36	0.00	.10000E+01	314826.	BF	41.214	

Total Area = 763872. Total AREA % = 314826.000

Processed data file: P3254 Raw data file: R3254


AMPLITUDE x.25 uV-seconds (Enlarged x 1.59)
50000.
40000.
30000.
20000.
10000.
.39
4.36
8.45
9.54
10.92
12.14
24.86
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EVMB INJECTED AT 20:33:09 ON MAY 22, 1986
Method: PACK03 Raw: R3266 Proc: P3266

Report: 424.00 Channel: 3

Sample: SD CVMB Injected at 20:33:07 ON MAY 22, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/66 Bli: 60

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.366	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-f	Iso
NC	0.00	0	.31	5.0	100.00	Off

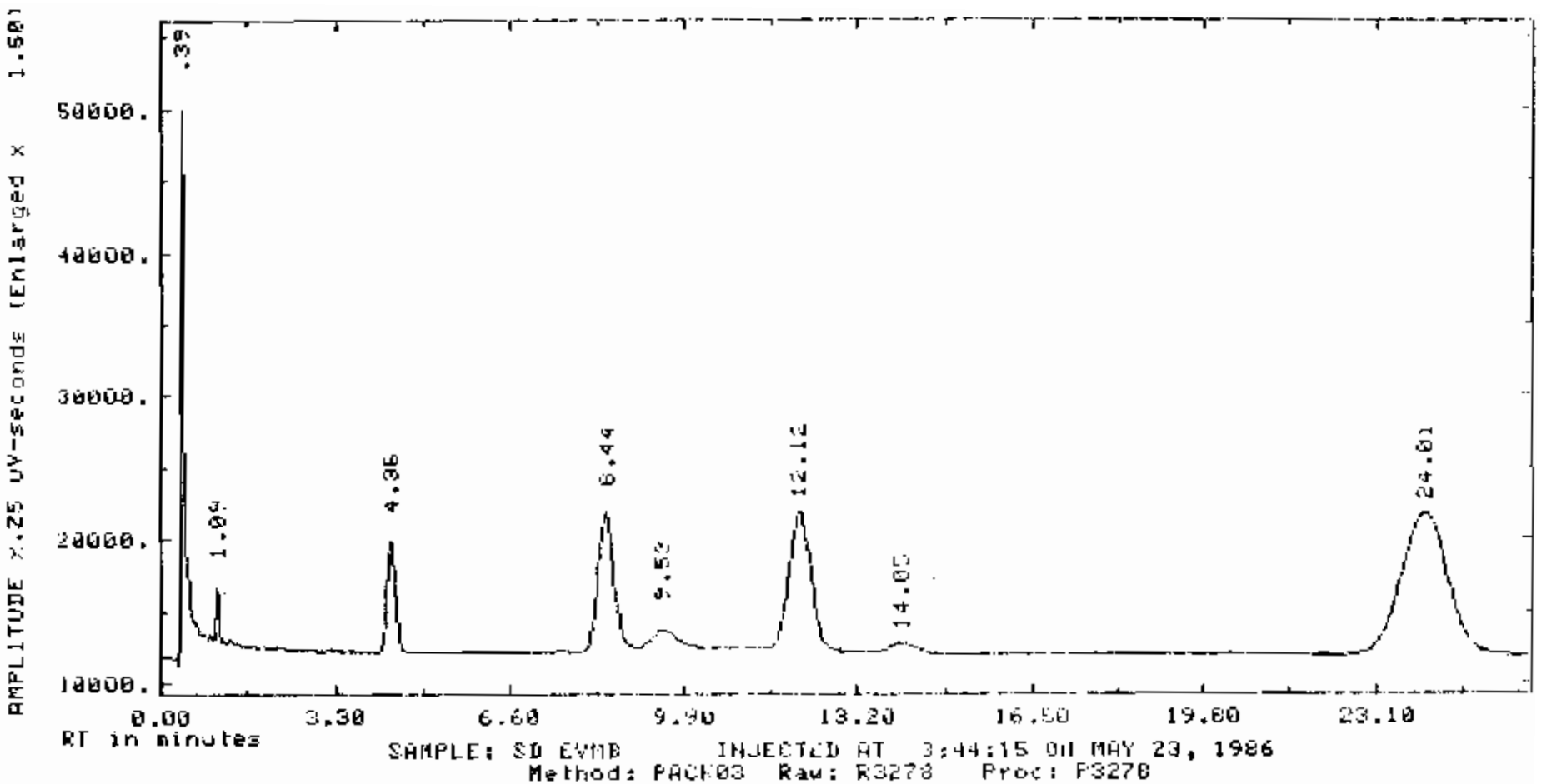
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.39	0.00	.10000E+01	114771.	BB	14.948	
4.36	0.00	.10000E+01	44052.	BB	5.738	
8.45	0.00	.10000E+01	111812.	BB	14.563	
9.54	0.00	.10000E+01	14119.	BB	1.839	
10.92	0.00	.10000E+01	11163.	BB	1.454	
12.14	0.00	.10000E+01	148770.	BB	19.376	
24.06	0.00	.10000E+01	323108.	BF	42.083	

Total Area = 767795. Total AREA % = 325100.250

Processed data file: P3266 Raw data file: R3266


AMPLITUDE X.25 uV-seconds (Enlarged x 1.50)
50000.
40000.
30000.
20000.
10000.
.39
1.04
4.36
6.44
9.52
12.12
14.05
24.61
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EVNB INJECTED AT 3:44:15 ON MAY 23, 1986
Method: PACK03 Raw: R3278 Proc: P3278

Report: 436.00 Channel: 3

Sample: SD EVMB Injected at 3:44:15 DW MAY 23, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/78 Btl: 78

Sl-widtn	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

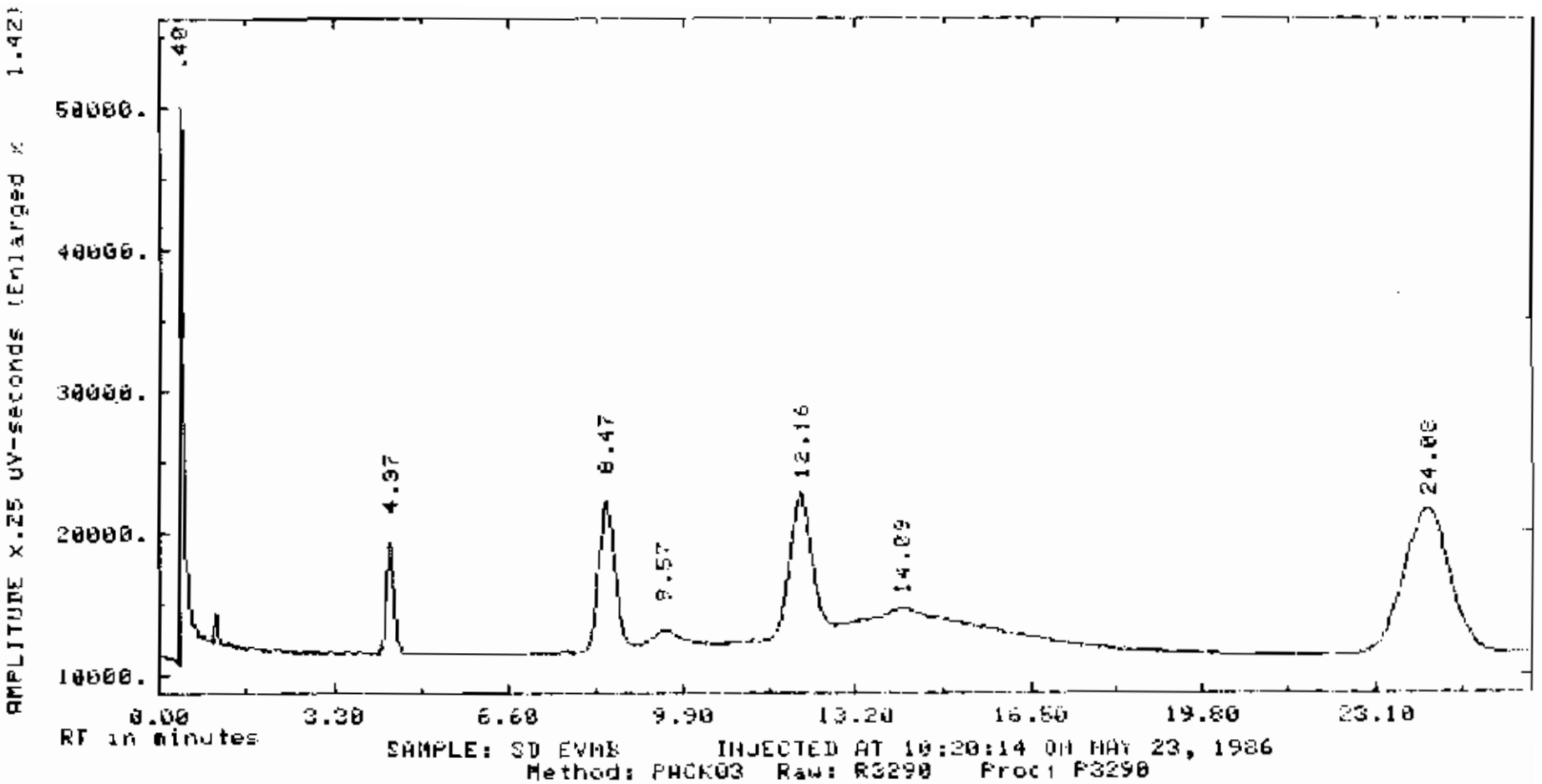
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.39	0.00	.10000E+01	103044.	BB	14.201	
1.09	0.00	.10000E+01	7215.	BB	.994	
4.35	0.00	.10000E+01	43122.	BB	5.943	
8.44	0.00	.10000E+01	97499.	BB	13.437	
9.53	0.00	.10000E+01	20519.	BB	2.828	
12.12	0.00	.10000E+01	138787.	BB	19.127	
14.05	0.00	.10000E+01	11560.	BB	1.593	
24.01	0.00	.10000E+01	303855.	BF	41.876	

Total Area = 725601. Total AREA % = 303854.750

Processed data file: P3278 Raw data file: R3278


AMPLITUDE x.25 uV-seconds (Enlarged x 1.42)
50000.
40000.
30000.
20000.
10000.
.40
4.37
6.47
8.57
12.16
14.09
24.06
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EVMS INJECTED AT 10:20:14 ON MAY 23, 1986
Method: PACK03 Raw: R3290 Proc: P3290

Report: 450.00 Channel: 3

Sample: SD EVMB Injected at 10:26:14 ON MAY 23, 1986

ZERO Method: PACK03 Seq: SE032 Subsq/Samp: 1/90 Bil: 90

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	XRTW	%Dif-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

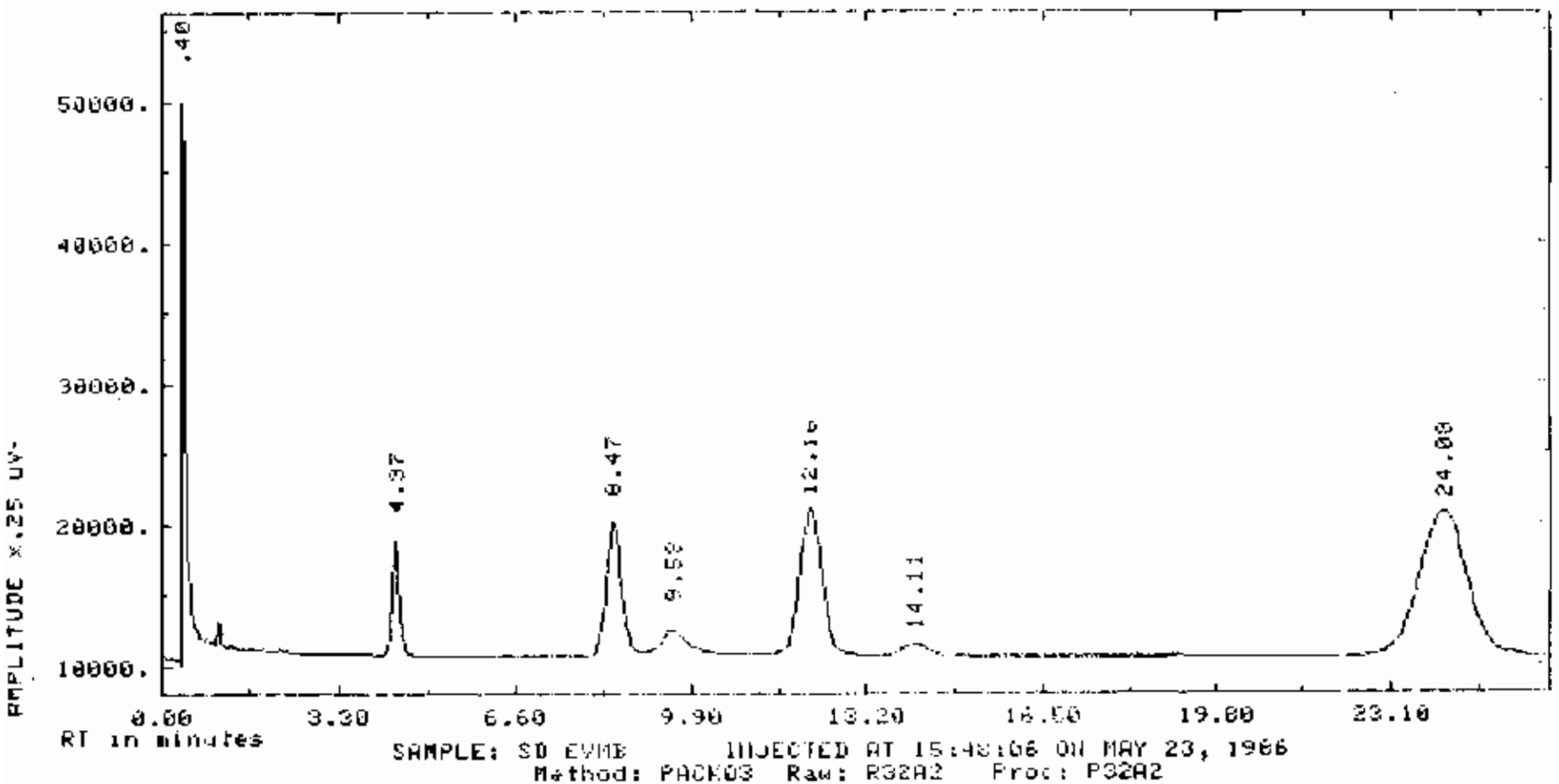
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	111243.	BB	15.239	
4.37	0.00	.10000E+01	43974.	BB	6.024	
8.47	0.00	.10000E+01	106150.	BB	14.541	
9.57	0.00	.10000E+01	15621.	BB	2.140	
12.16	0.00	.10000E+01	130572.	BB	17.887	
14.09	0.00	.10000E+01	12309.	BB	1.686	
24.08	0.00	.10000E+01	310114.	BF	42.482	

Total Area = 729982. Total AREA % = 310113.750

Processed data file: P3290 Raw data file: R3290


.40
4.37
6.47
9.59
12.16
14.11
24.08
50000.
40000.
30000.
20000.
10000.
AMPLITUDE x.25 uV
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD EVMB
INJECTED AT 15:48:06 ON MAY 23, 1986
Method: PACK03 Raw: R32A2 Proc: P32A2

Report: 462.00 Channel: 3

Sample: SD EVMB Injected at 15:48:06 DX MAY 23, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/** Btl: 8

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-F	Iso
NO	0.00	0	.30	5.0	100.00	NO

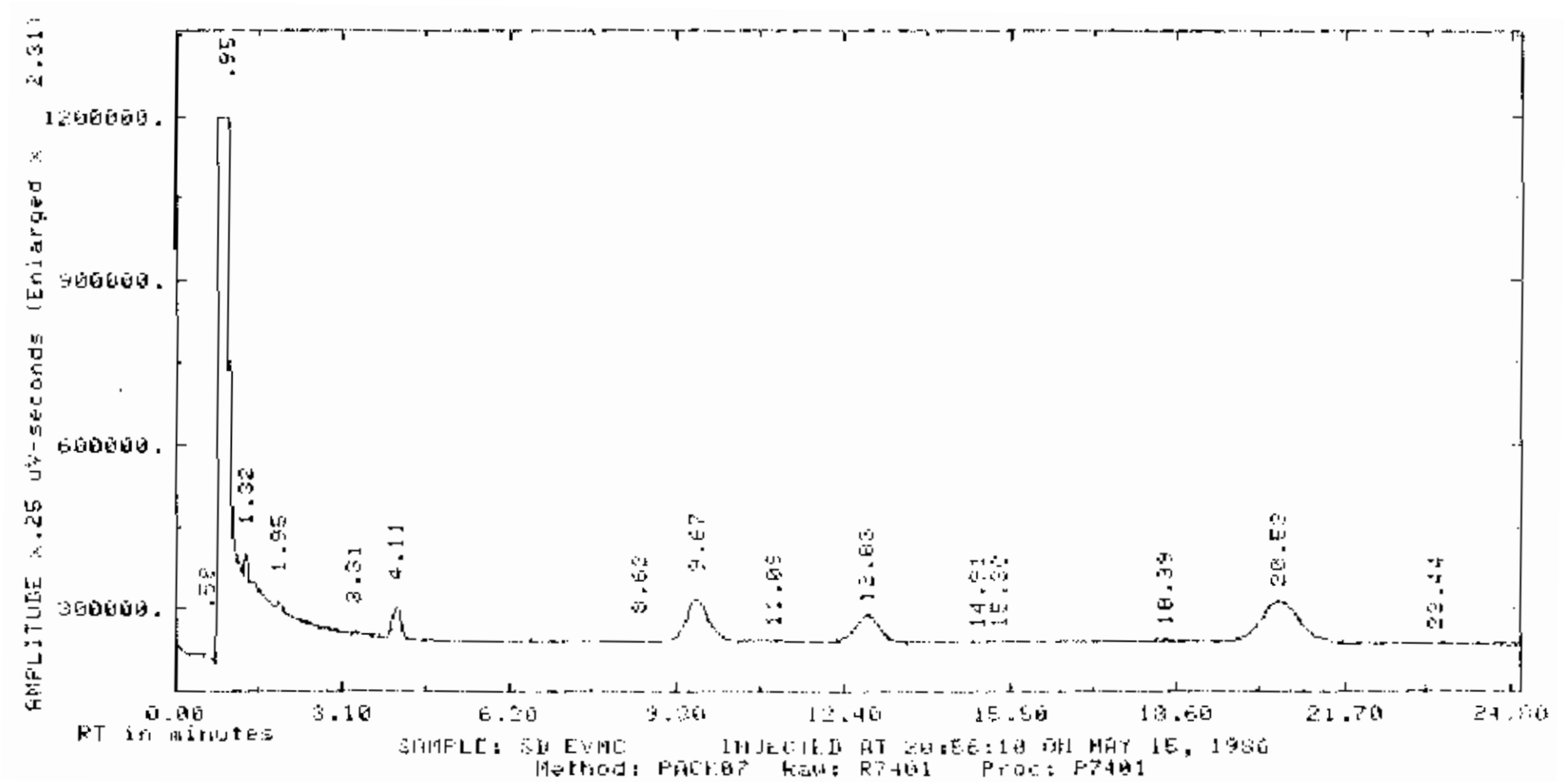
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area	AREA %	Name
.40	0.00	.10000E+01	115440. BB	15.229	
4.37	0.00	.10000E+01	45220. BB	5.965	
8.47	0.00	.10000E+01	95541. BB	12.604	
9.58	0.00	.10000E+01	24194. BB	3.192	
12.16	0.00	.10000E+01	150054. BB	19.795	
14.11	0.00	.10000E+01	14249. BB	1.880	
24.08	0.00	.10000E+01	313345. BF	41.336	

Total Area = 758043. Total AREA % = 313345.500

Processed data file: P32A2 Raw data file: R32A2


AMPLITUDE x.25 uV-seconds (Enlarged x 2.31)
1200000.
900000.
600000.
300000.
.95
1.32
1.95
3.31
4.11
.59
8.62
9.67
11.05
12.83
14.01
14.32
18.39
20.52
22.44
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD EVMC INJECTED AT 20:56:10 ON MAY 15, 1986
Method: PAC:87 Raw: R7401 Proc: P7401

Report: 174.00 Channel: 7

Sample: SD EVMC Injected at 20:56:10 ON MAY 15, 1956

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/ 1 Bil: 1

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	%	.30	5.0	100.00	NO

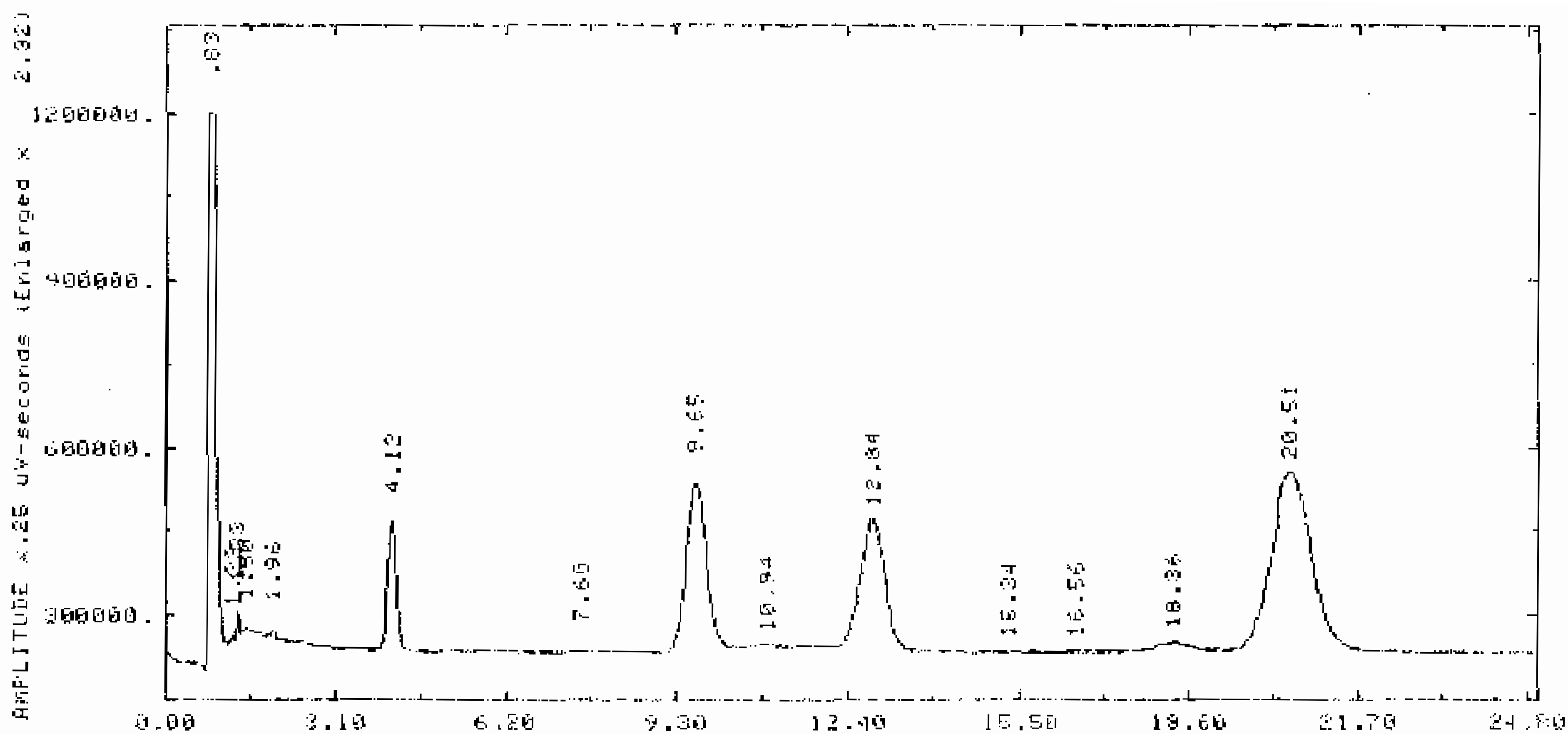
Actual run time: 25.017 minutes

Ended not on baseline
No reference peak found

RT	ITm	Factor	Area		AREA %	Name
.56	0.00	.10000E+01	16542.	BP	.175	
.95	0.00	.10000E+01	5230702.	BB	55.366	
1.32	0.00	.10000E+01	73937.	BP	.783	
1.95	0.00	.10000E+01	21114.	BB	.223	
3.31	0.00	.10000E+01	11337.	BB	.120	
4.11	0.00	.10000E+01	277532.	BB	2.938	
8.67	0.00	.10000E+01	15299.	BB	.162	
9.67	0.00	.10000E+01	1083658.	BB	11.472	
11.09	0.00	.10000E+01	18663.	BB	.198	
12.63	0.00	.10000E+01	756930.	BB	8.012	
14.91	0.00	.10000E+01	16618.	BB	.176	
15.30	0.00	.10000E+01	10000.	BB	.106	
18.39	0.00	.10000E+01	10330.	BB	.109	
20.53	0.00	.10000E+01	1883406.	BB	19.936	
23.44	0.00	.10000E+01	21210.	BP	.225	

Total Area = 9447460. Total AREA % = 21210.000

Processed data file: P7401 Raw data file: R7401



SAMPLE: 2D EVMB INJECTED AT 21:22:39 ON MAY 15, 1986
Method: PACK07 Raw: R7402 Proc: P7402

Report: 175.00 Channel: 7

Sample: SD EVMB Injected at 21:32:29 On MAY 15, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/ 2 Bti: 2

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	Dv?	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	No

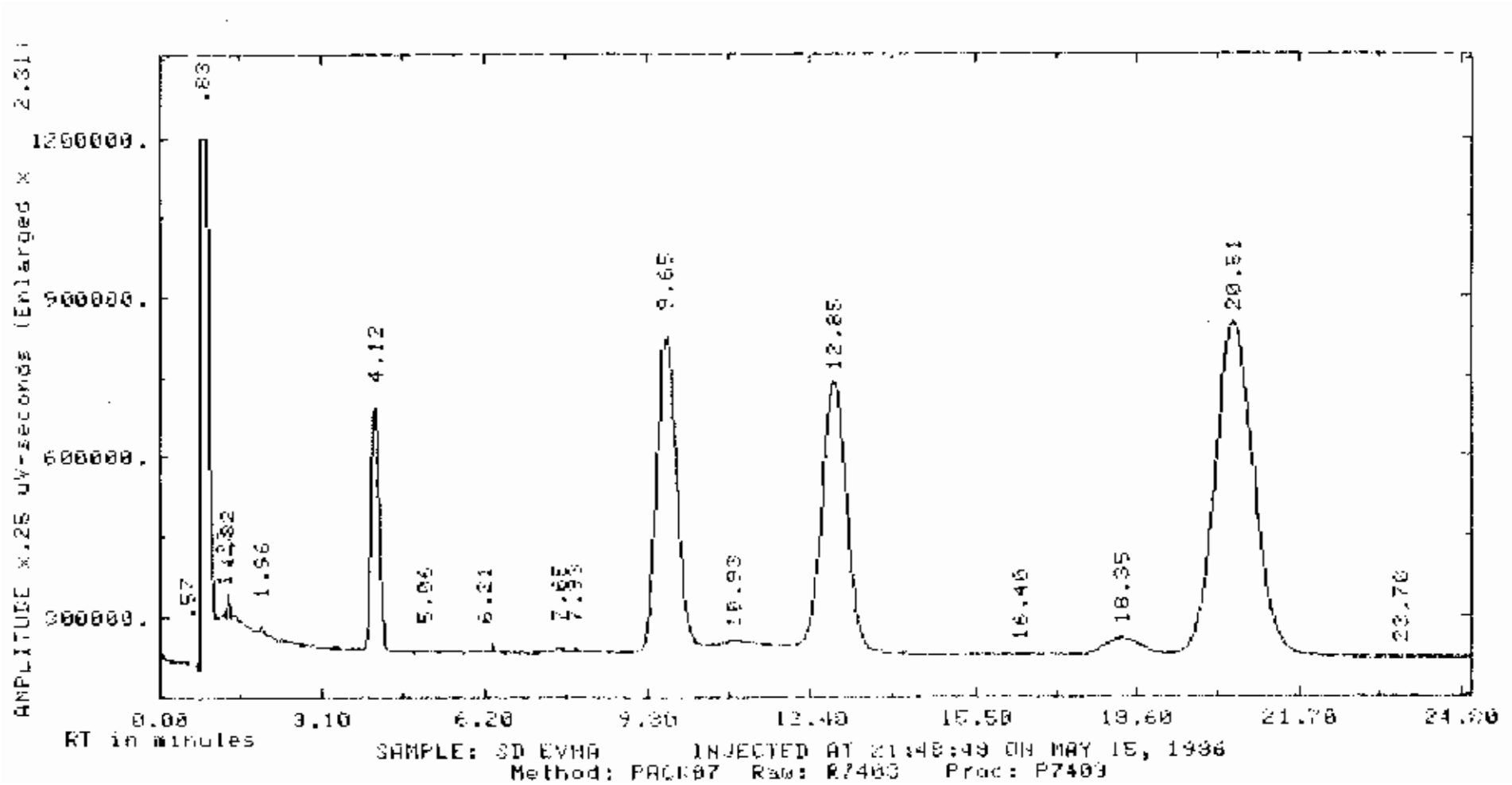
Actual run time: 25.000 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.83	0.00	.10000E+01	9617198.	BS	35.268	
1.23	0.00	.10000E+01	12387.	BB	.045	
1.37	0.00	.10000E+01	75219.	BB	.276	
1.50	0.00	.10000E+01	53024.	BB	.194	
1.96	0.00	.10000E+01	34725.	BB	.127	
4.12	0.00	.10000E+01	1256795.	BB	4.609	
7.60	0.00	.10000E+01	15405.	PB	.056	
9.65	0.00	.10000E+01	3725164.	BB	13.661	
10.94	0.00	.10000E+01	77292.	BB	.283	
12.84	0.00	.10000E+01	3752368.	BB	13.761	
15.34	0.00	.10000E+01	14384.	PB	.053	
16.56	0.00	.10000E+01	10816.	BB	.040	
18.36	0.00	.10000E+01	347968.	BB	1.276	
20.51	0.00	.10000E+01	8208360.	BB	30.101	

Total Area = 27269116. Total AREA % = 8208360.000

Processed data file: P7402 Raw data file: R7402


AMPLITUDE x.25 uV-seconds (Enlarged x 2.31)
1200000.
900000.
600000.
300000.
.83
.57
1.56
4.12
5.84
6.21
9.65
12.85
16.45
18.35
20.51
22.76
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD EVHA INJECTED AT 21:48:49 ON MAY 15, 1986
Method: PAC107 Raw: R7403 Proc: P7403

Report: 176.00 Channel: 7

Sample: SD EVMA Injected at 21:48:48 ON MAY 15, 1936

APCT Method: PACK07 Seq: SEQ24 Subsq/Samp: 1/ 3 Bkl: 3

Sl-width	mV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

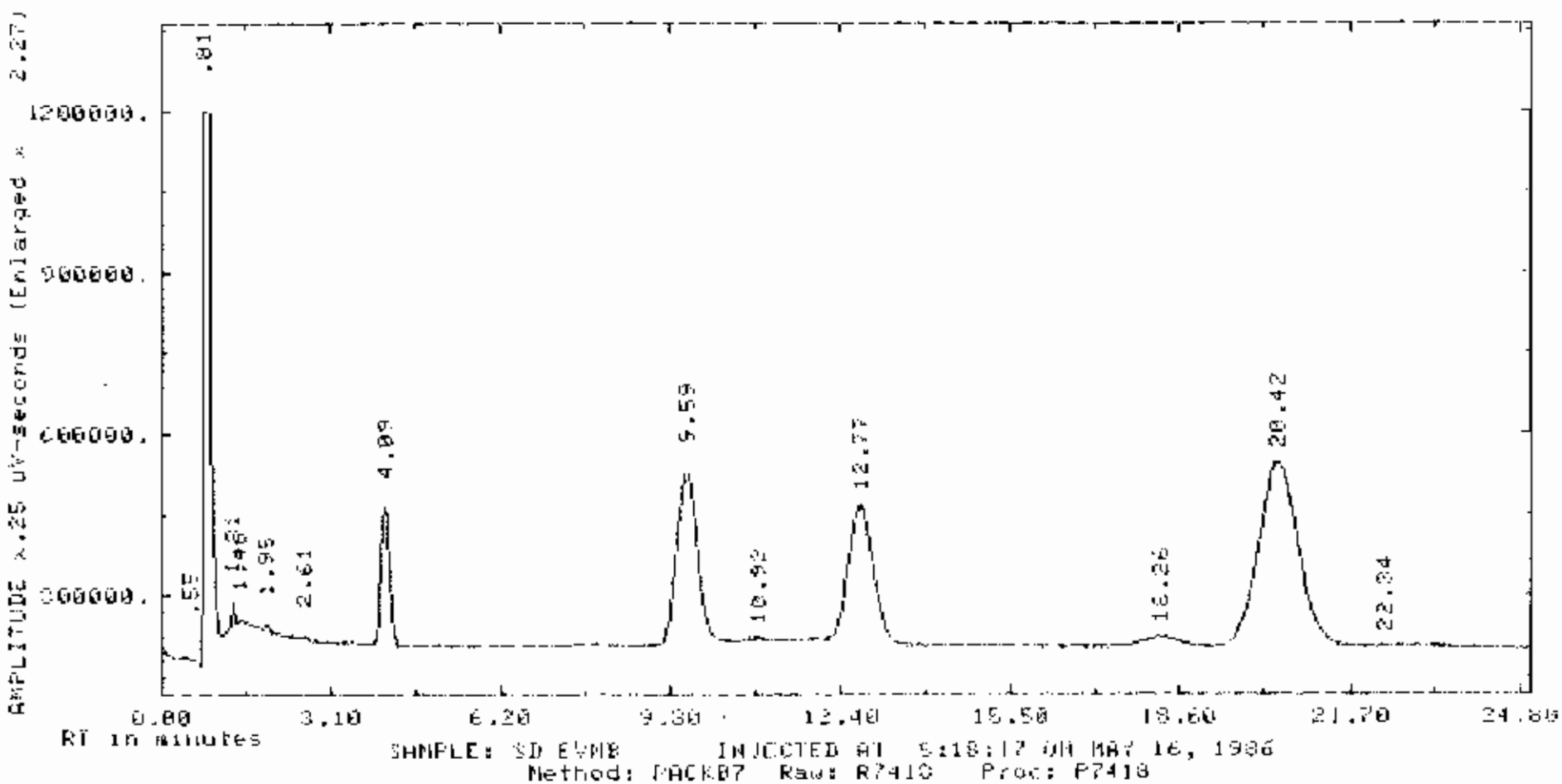
Actual run time: 25.008 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.57	0.00	.10000E+01	21271.	BB	.047	
.83	0.00	.10000E+01	10928368.	BB	24.017	
1.23	0.00	.10000E+01	18764.	BB	.041	
1.32	0.00	.10000E+01	72201.	BB	.159	
1.96	0.00	.10000E+01	32652.	BB	.072	
4.12	0.00	.10000E+01	2470511.	BB	5.429	
5.06	0.00	.10000E+01	12184.	BB	.027	
6.21	0.00	.10000E+01	11579.	BB	.025	
7.65	0.00	.10000E+01	16977.	BB	.037	
7.93	0.00	.10000E+01	22811.	BB	.050	
9.65	0.00	.10000E+01	7268814.	BB	15.843	
10.93	0.00	.10000E+01	1147866.	BB	.252	
12.85	0.00	.10000E+01	7790066.	BB	17.130	
16.46	0.00	.10000E+01	10642.	BB	.023	
16.35	0.00	.10000E+01	666094.	BB	1.464	
20.51	0.00	.10000E+01	16080860.	BB	35.341	
23.70	0.00	.10000E+01	15768.	BB	.035	

Total Area = 45502368. Total AREA % = 15768.000

Processed data file: P7403 Raw data file: R7403


AMPLITUDE x.25 uV-seconds (Enlarged x 2.27)
1200000.
800000.
400000.
000000.
.81
.55
1.46
1.95
2.61
4.09
9.59
10.92
12.77
16.26
20.42
22.84
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD EVM8 INJECTED AT 5:18:17 ON MAY 16, 1986
Method: PACK07 Raw: R7410 Proc: P7418

Report: 191.00 Channel: 7

Sample: SD EVMR Injected at 5:18:17 ON MAY 16, 1966

APCI Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/16 Bti: 16

Slewing	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	ZRTw	ZDiff	Iso
NO	0.00	0	.30	5.0	100.00	NO

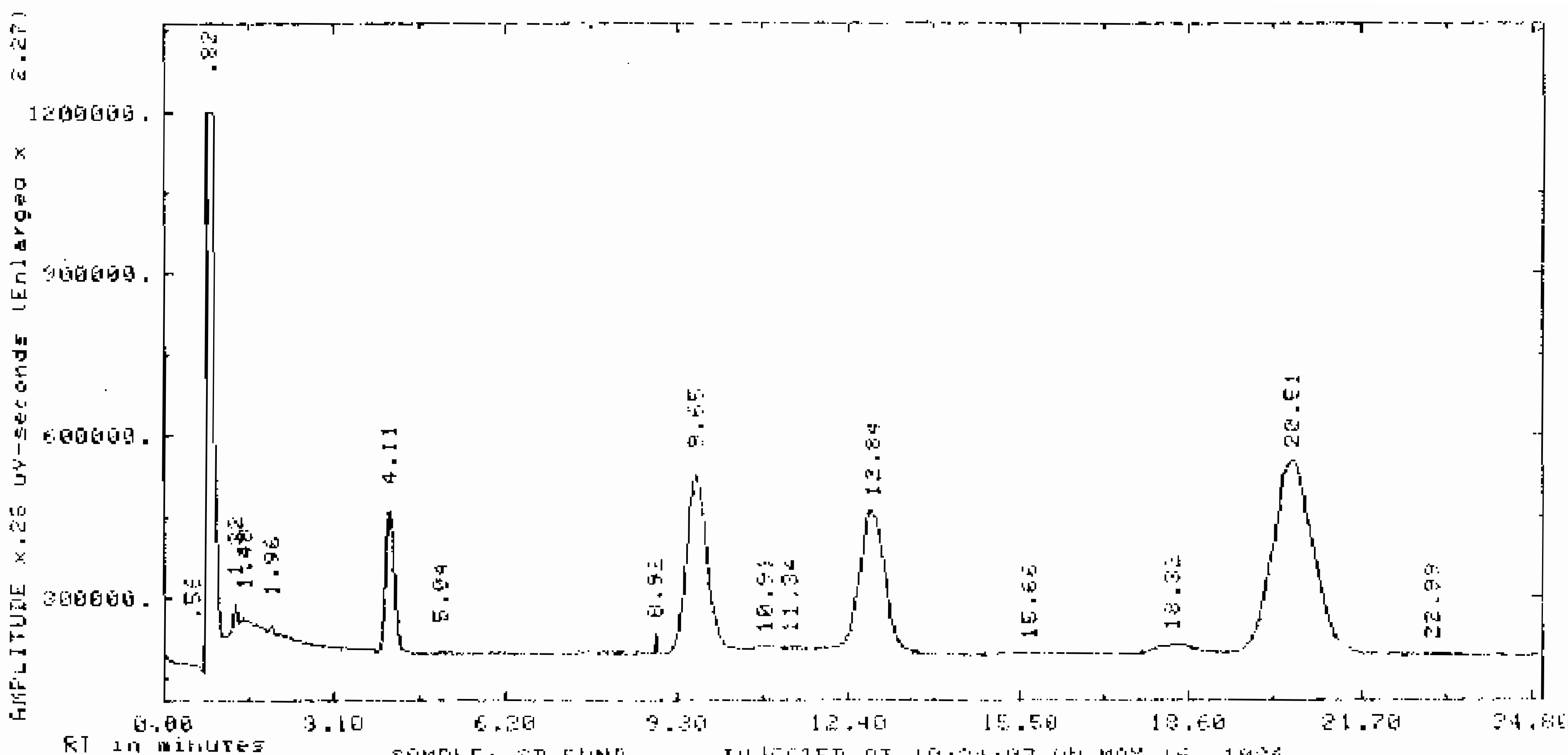
Actual run time: 23.017 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.55	0.00	.10000E+01	22081.	BB	.077	
.81	0.00	.10000E+01	10030450.	BS	34.816	
1.31	0.00	.10000E+01	71983.	BB	.250	
1.46	0.00	.10000E+01	45772.	BB	.159	
1.95	0.00	.10000E+01	30623.	BB	.107	
2.61	0.00	.10000E+01	21479.	BB	.075	
4.09	0.00	.10000E+01	1360286.	BB	4.722	
9.59	0.00	.10000E+01	3913300.	BB	13.584	
10.92	0.00	.10000E+01	57676.	BB	.200	
12.77	0.00	.10000E+01	4043212.	BB	14.035	
18.26	0.00	.10000E+01	393790.	BB	1.367	
20.42	0.00	.10000E+01	8729622.	BB	30.303	
22.34	0.00	.10000E+01	87646.	BF	.304	

Total Area = 28808144. Total AREA % = 87640.000

Processed data file: P7418 Raw data file R7418



SAMPLE: SD EVNB INJECTED AT 10:34:07 ON MAY 16, 1986
Method: PACK87 Raw: R7430 Proc: P7430

Report: 203.00 Channel: 7

Sample: SD EVMb Injected at 10:34:07 ON MAY 16, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/30 Bti: 30

Si-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10309	Auto

Sup-unk	DvT	ID-Lvl	Ref-RTW	%RT#	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

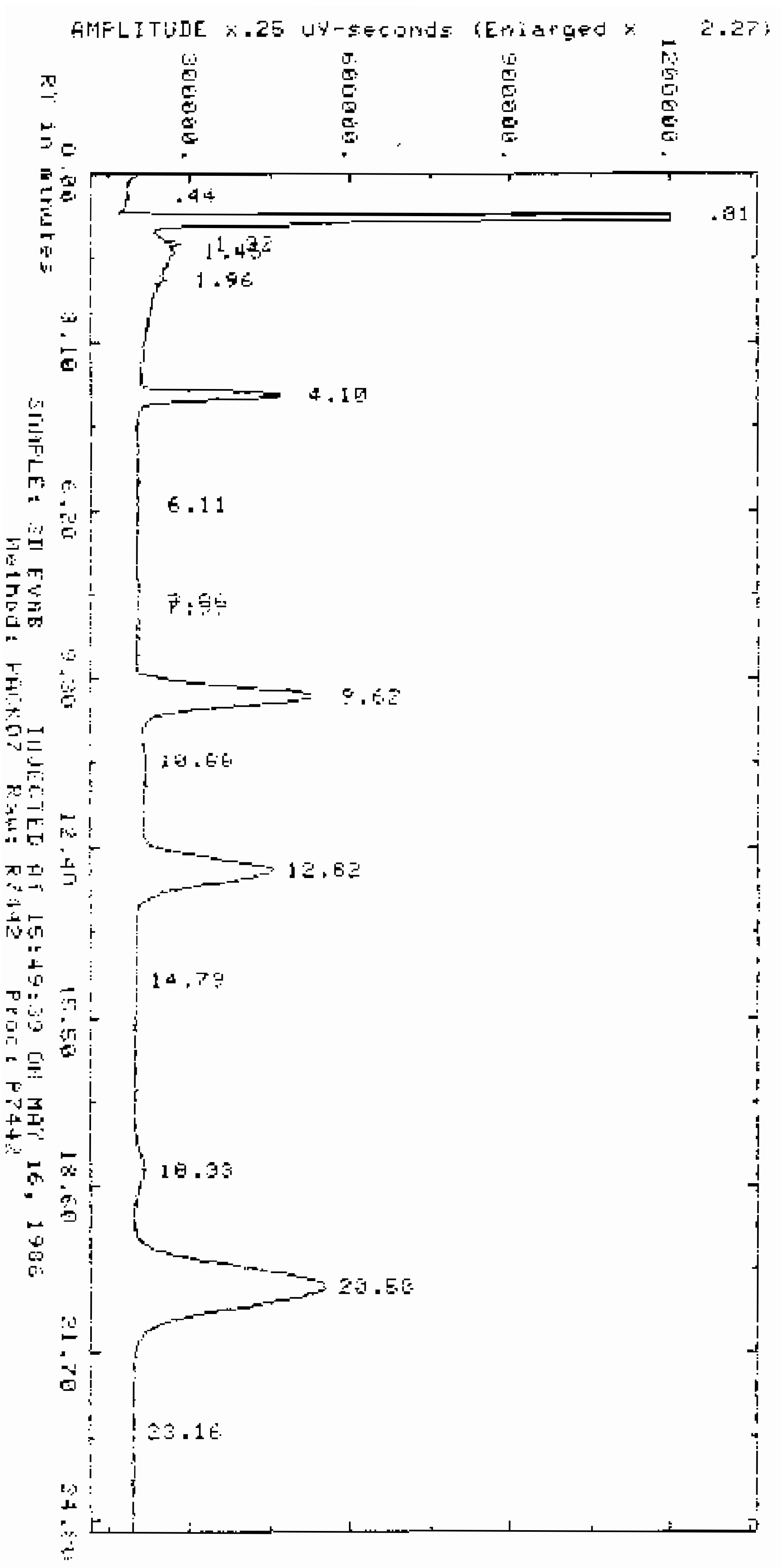
Actual run time: 25.017 minutes

No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.56	0.00	.10000E+01	16925.	BB	.084	
.82	0.00	.10000E+01	630096.	BB	3.133	
1.32	0.00	.10000E+01	63436.	BB	.315	
1.48	0.00	.10000E+01	51658.	BB	.257	
1.96	0.00	.10000E+01	33007.	BB	.164	
4.11	0.00	.10000E+01	1399438.	BB	6.958	
5.04	0.00	.10000E+01	10426.	BB	.052	
8.92	0.00	.10000E+01	14153.	BB	.070	
9.65	0.00	.10000E+01	4120578.	BB	20.488	
10.91	0.00	.10000E+01	68453.	BB	.340	
11.34	0.00	.10000E+01	14219.	BB	.071	
12.64	0.00	.10000E+01	4155262.	BB	20.661	
15.66	0.00	.10000E+01	29892.	BB	.149	
16.32	0.00	.10000E+01	377142.	BB	1.875	
20.51	0.00	.10000E+01	9111120.	BB	45.302	
22.99	0.00	.10000E+01	16130.	BB	.080	

Total Area = 20111932. Total AREA % = 16130.000

Processed data file: P7433 Raw data file: R7430


AMPLITUDE x.25 uV-seconds (Enlarged x 2.27)
3000000.
6000000.
9000000.
12000000.
RT in minutes
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
.44
.81
1.96
4.10
6.11
9.62
10.66
12.82
14.79
18.33
20.58
23.16
SAMPLE: SD EVAB   INJECTED AT 15:49:39 ON MAY 16, 1986
Method: PHOK07   Raw: R7442   Proc: P7442

Report: 215.00 Channel: 7

Sample: SD EVMB Injected at 15:49:39 ON MAY 16, 1986

APCT Method: PACK07 Seq. SEQ74 Subsq/Samp: 1/42 Rtl. 42

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

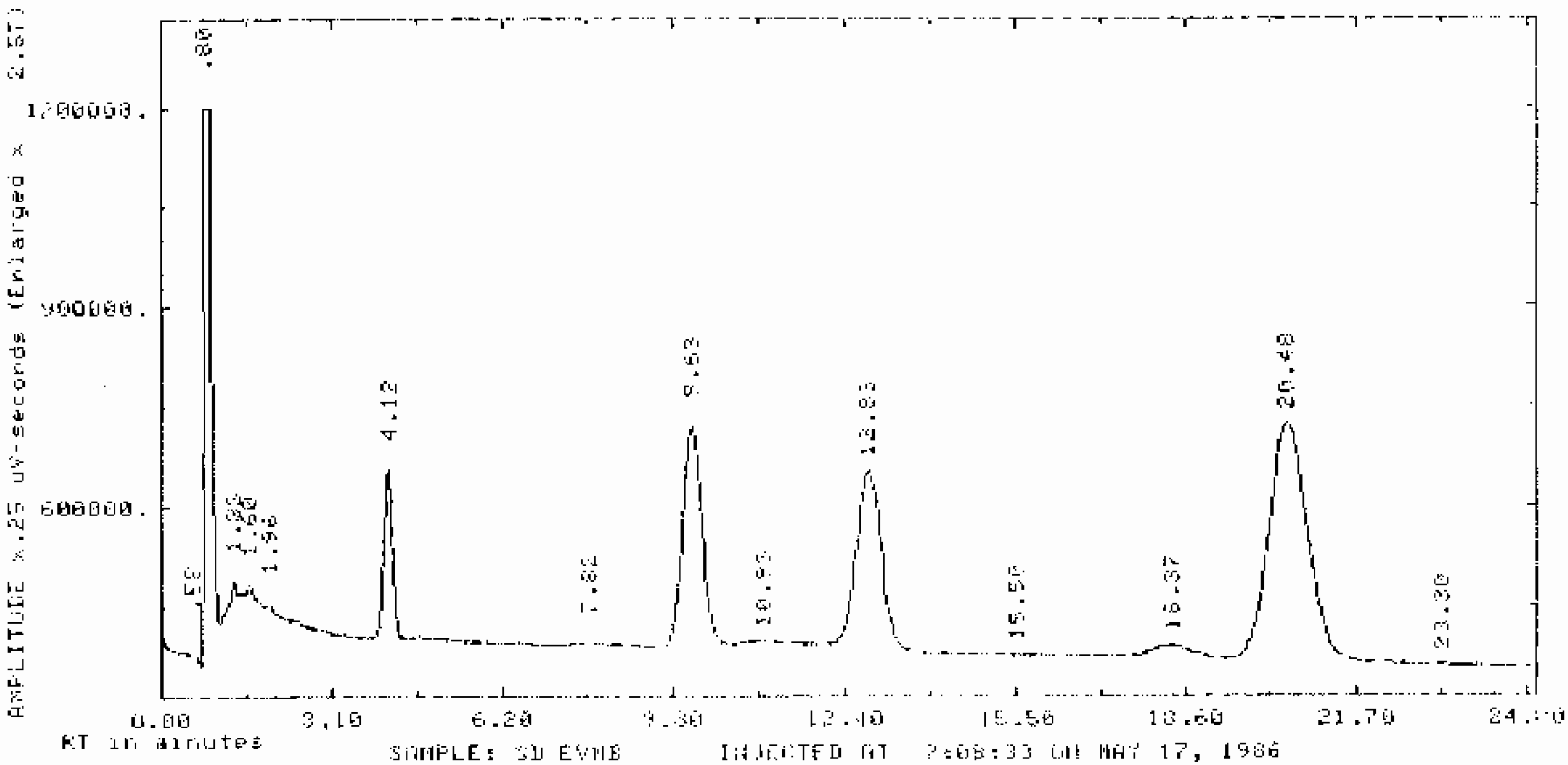
Actual run time: 25.008 minutes

Ended not on baseline
No reference peak found

RT	Dlm	Factor	Area		AREA %	Name
.44	0.00	.10000E+01	38566.	BB	.190	
.81	0.00	.10000E+01	937227.	BB	4.626	
1.32	0.00	.10000E+01	54176.	BB	.267	
1.46	0.00	.10000E+01	56491.	BB	.279	
1.96	0.00	.10000E+01	24918.	BB	.123	
4.10	0.00	.10000E+01	1423669.	BB	7.027	
6.11	0.00	.10000E+01	11496.	BB	.057	
7.86	0.00	.10000E+01	19547.	BB	.096	
7.97	0.00	.10000E+01	10232.	BB	.051	
9.62	0.00	.10000E+01	3957822.	BB	19.536	
10.86	0.00	.10000E+01	112656.	BB	.556	
12.82	0.00	.10000E+01	3909120.	BB	19.296	
14.72	0.00	.10000E+01	12281.	BB	.061	
18.33	0.00	.10000E+01	447870.	BB	2.211	
20.56	0.00	.10000E+01	9228540.	BB	45.553	
23.16	0.00	.10000E+01	18573.	BB	.092	

Total Area = 20258788. Total AREA % = 13573.000

Processed data file: P7442 Raw data file: R7442



SAMPLE: SD EVNB INJECTED AT 2:08:33 ON MAY 17, 1986
Method: PACK07 Raw: R7460 Proc: P7460

Report: 237.00 Channel: 7

Sample: SD EVNB Injected at 2:06:33 ON MAY 17, 1994

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/60 Bti: 69

Si-width	MV/Min	Delay	Min-Ar	Bunch
.304	3.000	0.00	10000	Auto

Sep-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-F	Iso
NO	0.00	0	.30	5.0	100.00	0.0

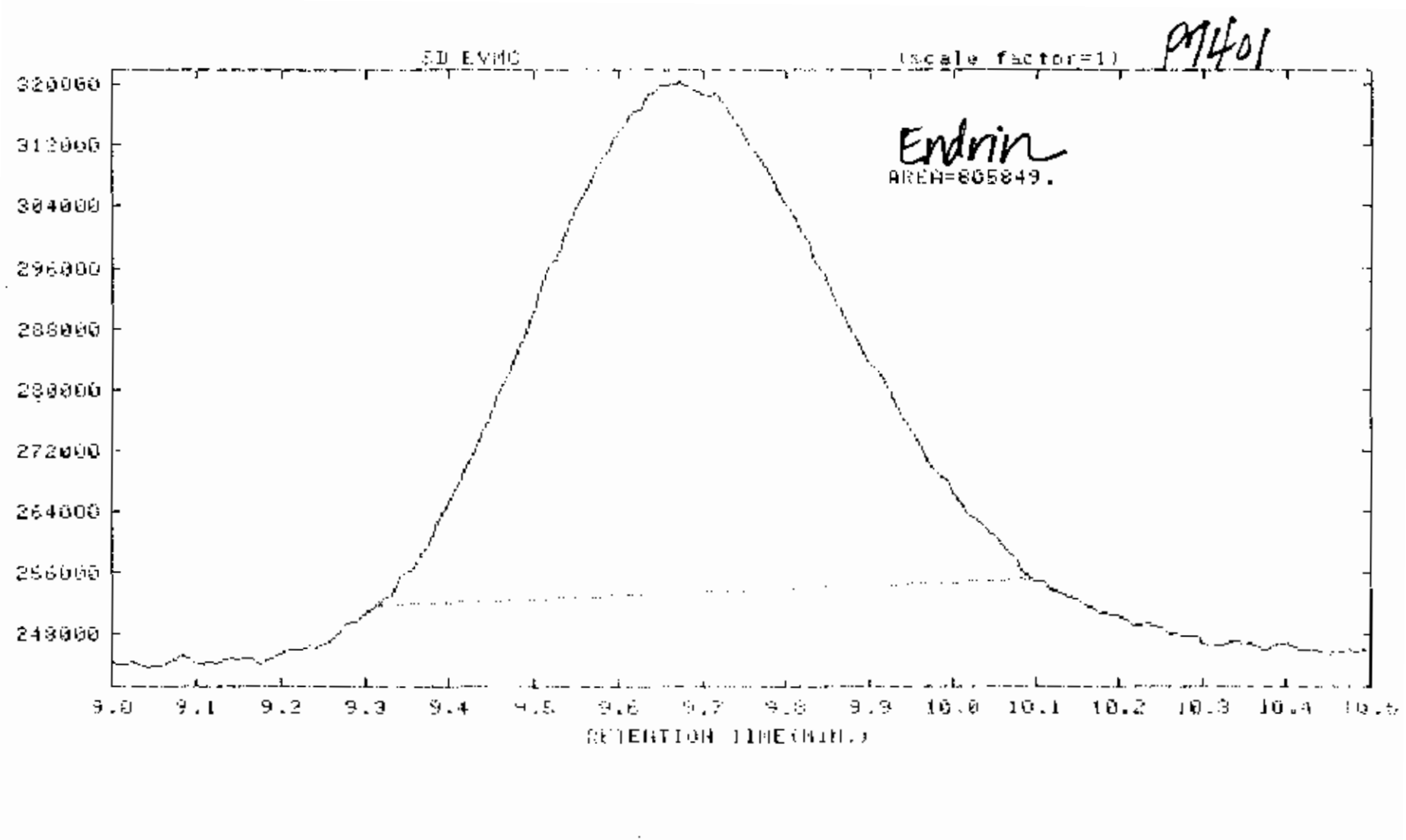
Actual run time: 25.017 minutes

Endec not on baseline
No reference peak found

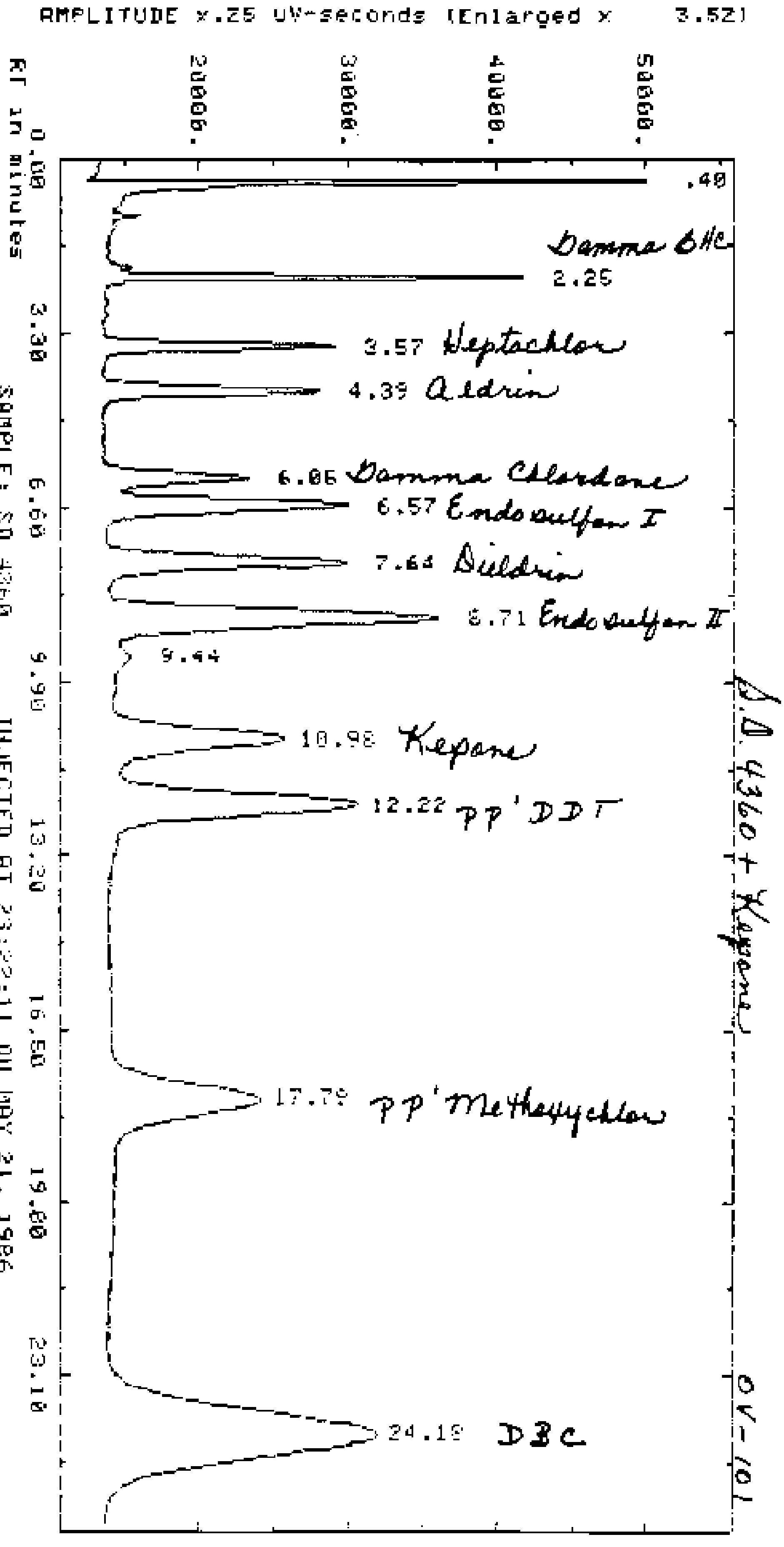
RT	ITM	Factor	Area		AREA %	Name
.58	0.00	.10000E+01	17646.	BB	.091	
.60	0.00	.10000E+01	0.	BB	0.000	
1.35	0.00	.10000E+01	97431.	BB	.500	
1.60	0.00	.10000E+01	82016.	BB	.422	
1.96	0.00	.10000E+01	19096.	BB	.098	
4.12	0.00	.10000E+01	1375636.	BB	7.083	
7.62	0.00	.10000E+01	157126.	BB	.809	
9.63	0.00	.10000E+01	4024672.	BB	20.724	
10.93	0.00	.10000E+01	86233.	BB	.444	
12.63	0.00	.10000E+01	4063040.	BB	20.922	
15.50	0.00	.10000E+01	12910.	BB	.066	
18.37	0.00	.10000E+01	438364.	BB	2.257	
20.46	0.00	.10000E+01	9033544.	BB	46.516	
23.00	0.00	.10000E+01	13036.	BB	.067	

Total Area = 19420384. Total AREA % = 13036.000

Processed data file: P7460 Raw data file: R7460


SD E.VMC
(scale factor=1)
P7401
Endrin
AREA=805849.
320000
312000
304000
296000
288000
280000
272000
264000
256000
248000
9.0
9.1
9.2
9.3
9.4
9.5
9.6
9.7
9.8
9.9
10.0
10.1
10.2
10.3
10.4
10.5
RETENTION TIME(MIN.)

H. **All Pesticide Individual Standard Mix (A or B) chromatograms and data system printouts.**



AMPLITUDE x.25 uV-seconds (Enlarged x 3.52)
20000.
30000.
40000.
50000.
RT in minutes
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
.40
Gamma BHC
2.25
3.57 Heptachlor
4.39 Aldrin
6.05 Gamma Chlordane
6.57 Endosulfan I
7.64 Dieldrin
8.71 Endosulfan II
9.44
10.98 Kepone
12.22 pp'DDT
17.79 pp'Methoxychlor
24.19 DBC
S.D. 4360 + Kepone
OV-101
SAMPLE: SD 4360 INJECTED AT 23:22:11 ON MAY 21, 1986
Method: PACK03 Raw: R3224 Proc: P3224

Report: 380.00 Channel: 3

Sample: SD 4360 Injected at 23:22:11 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp. 1/24 B11. 24

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

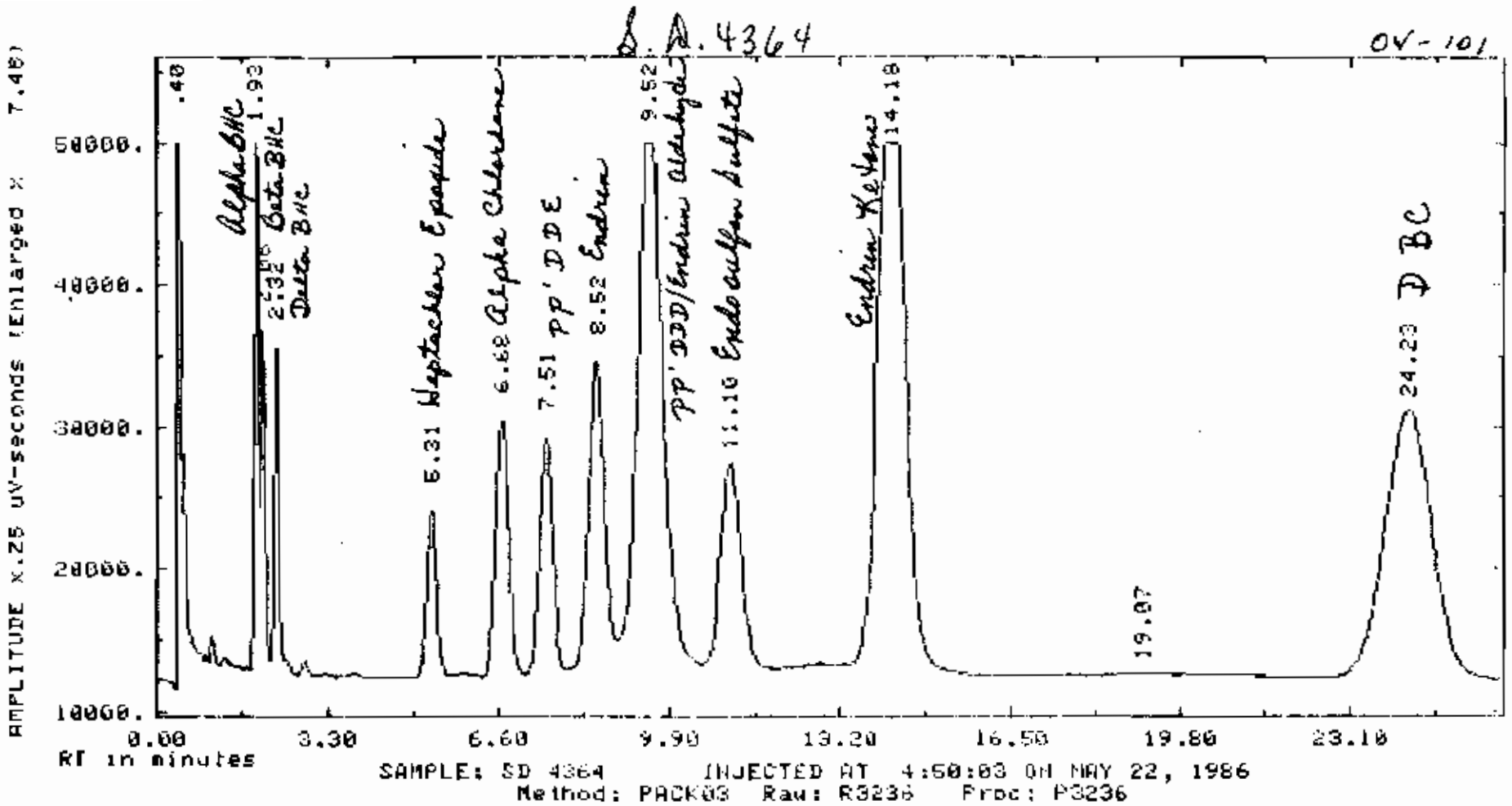
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	202543.	BS	9.145	
2.25	0.00	.10000E+01	80225.	BB	3.622	
3.57	0.00	.10000E+01	73454.	BB	3.317	
4.39	0.00	.10000E+01	82790.	BB	3.738	
6.05	0.00	.10000E+01	54461.	BB	2.459	
6.57	0.00	.10000E+01	122408.	BB	5.527	
7.64	0.00	.10000E+01	151951.	BB	6.861	
8.71	0.00	.10000E+01	234130.	BB	10.571	
9.44	0.00	.10000E+01	7252.	BB	.327	
10.98	0.00	.10000E+01	155581.	BB	7.025	
12.22	0.00	.10000E+01	232175.	BB	10.483	
17.79	0.00	.10000E+01	249187.	BB	11.251	
24.18	0.00	.10000E+01	568626.	BF	25.674	

Total Area = 2214783. Total AREA % = 568626.500

Processed data file: P3224 Raw data file: R3224


S.D. 4364
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 7.48)
50000.
40000.
30000.
20000.
10000.
.40
1.93
2.32 Alpha BHC
Beta BHC
Delta BHC
5.31 Heptachlor Epoxide
6.68 Alpha Chlordane
7.51 PP' DDE
8.52 Endrin
9.52 PP' DDD/Endrin aldehyde
11.16 Endosulfan Sulfate
14.18 Endrin Ketone
19.07
24.23 DBC
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4364 INJECTED AT 4:50:03 ON MAY 22, 1986
Method: PACK03 Raw: R3236 Proc: P3236

Report: 392.00 Channel: 3

Sample: SD 4364 Injected at 4:56:03 ON MAY 22, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/36 Btl: 36

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

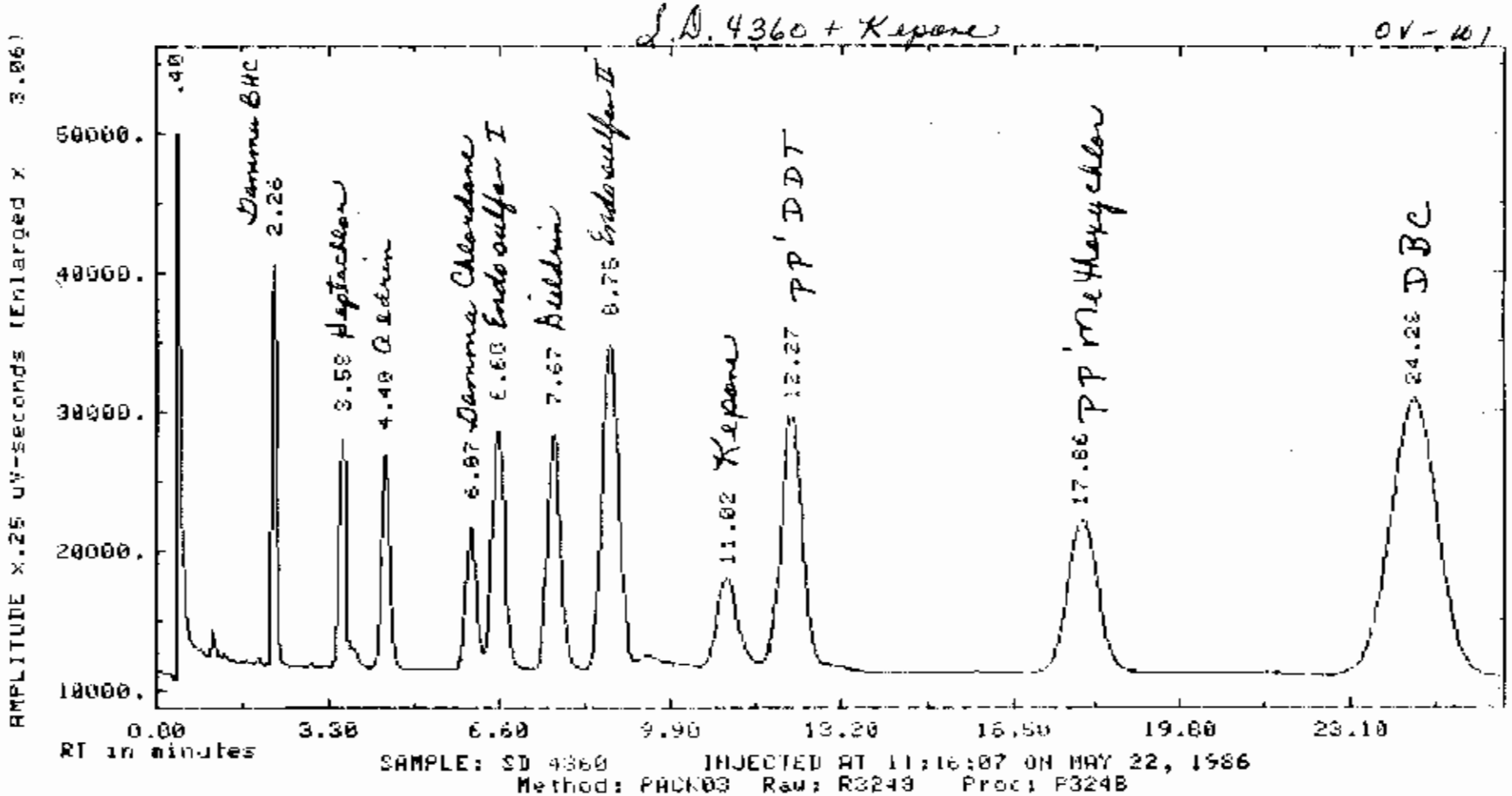
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITm	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	357026.	BS	10.945	
1.93	0.00	.10000E+01	62333.	BB	1.911	
2.06	0.00	.10000E+01	31289.	BB	.959	
2.32	0.00	.10000E+01	69540.	BB	2.132	
5.31	0.00	.10000E+01	77846.	BB	2.386	
6.68	0.00	.10000E+01	151997.	BB	4.660	
7.51	0.00	.10000E+01	147072.	BB	4.509	
8.52	0.00	.10000E+01	200698.	BB	6.153	
9.52	0.00	.10000E+01	593390.	BB	18.191	
11.10	0.00	.10000E+01	194893.	BB	5.975	
14.18	0.00	.10000E+01	775868.	BB	23.785	
19.07	0.00	.10000E+01	8950.	BB	.274	
24.23	0.00	.10000E+01	591659.	BF	18.120	

Total Area = 3261961. Total AREA % = 59i059.500

Processed data file: P3236 Raw data file: R3236


L.D. 4360 + Kepone
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 3.06)
50000.
40000.
30000.
20000.
10000.
.40
Gamma BHC
2.26
Heptachlor
3.58
Aldrin
4.49
Gamma Chlordane
6.07
Endosulfan I
6.60
Dieldrin
7.67
Endosulfan II
8.75
Kepone
11.02
PP' DDT
12.27
PP' Methoxychlor
17.86
DBC
24.28
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4360 INJECTED AT 11:16:07 ON MAY 22, 1986
Method: PACK03 Raw: R3249 Proc: P324B

Report: 405.00 Channel: 3

Sample: SD 4360 Injected at 11:16:27 ON MAY 22, 1995

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/48 Btl: 48

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	.0	.30	5.0	100.00	NO

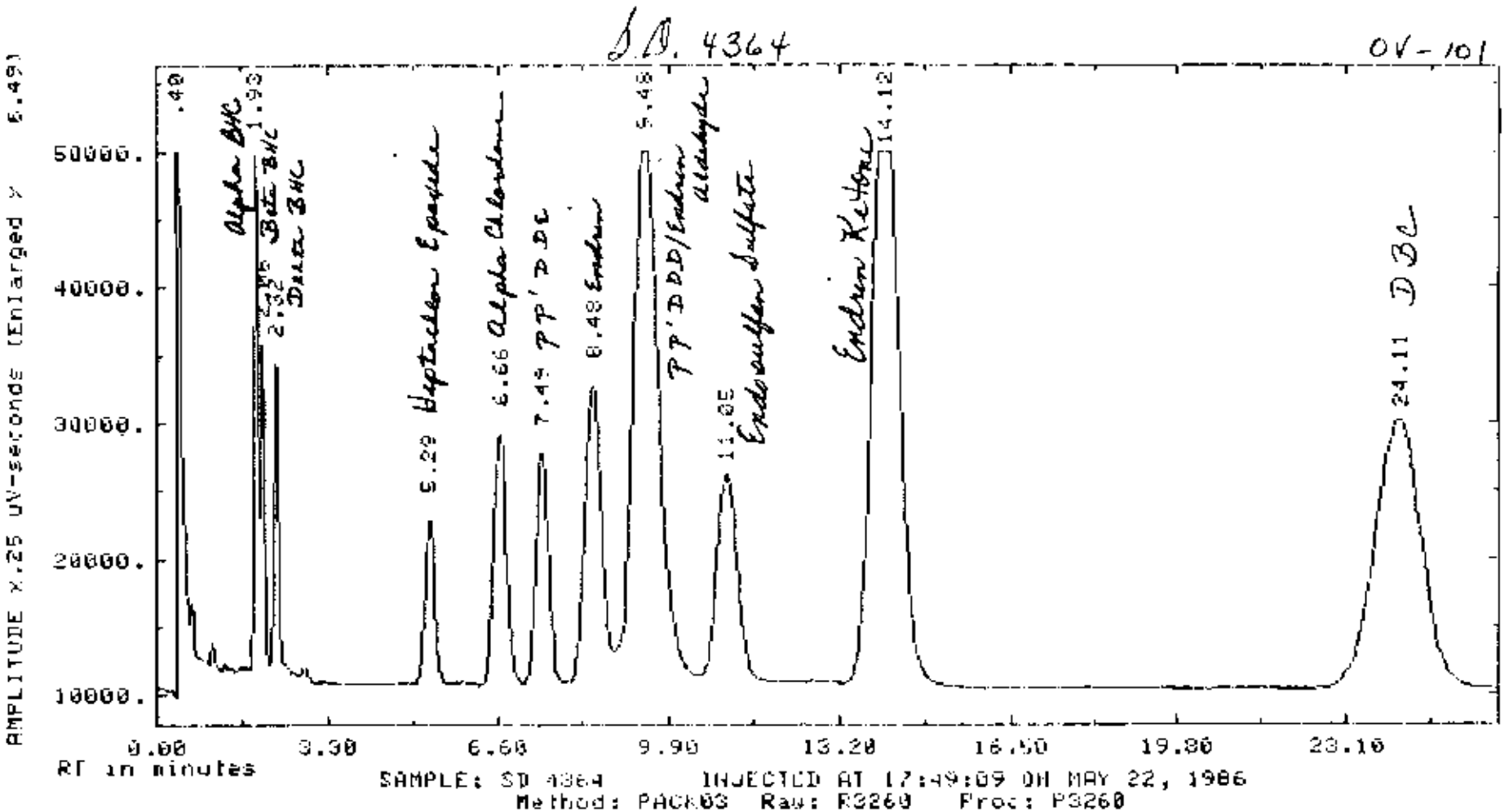
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	204659.	BB	8.991	
2.26	0.00	.10000E+01	88387.	BB	3.883	
3.58	0.00	.10000E+01	82239.	BB	3.613	
4.40	0.00	.10000E+01	86075.	BB	3.782	
6.07	0.00	.10000E+01	66151.	Bb	2.906	
6.60	0.00	.10000E+01	129187.	BB	5.675	
7.67	0.00	.10000E+01	160955.	BB	7.071	
8.75	0.00	.10000E+01	249916.	Bb	10.980	
11.02	0.00	.10000E+01	83918.	bb	3.686	
12.27	0.00	.10000E+01	262368.	BB	11.527	
17.86	0.00	.10000E+01	234365.	Bb	10.297	
24.28	0.00	.10000E+01	627947.	BF	27.588	

Total Area = 2276159. Total AREA % = 627946.750

Processed data file: P3248 Raw data file: R3248


S.D. 4364
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 6.49)
50000.
40000.
30000.
20000.
10000.
.49
1.93
2.32
5.29 Heptachlor Epoxide
6.66 Alpha Chlordane
7.49 PP' DDE
8.48 Endrin
5.48
PP' DDD/Endrin Aldehyde
11.85 Endosulfan Sulfate
14.12 Endrin Ketone
24.11 DBC
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4364 INJECTED AT 17:49:09 ON MAY 22, 1986
Method: PACK03 Raw: R3269 Proc: P3269

Report: 418.00 Channel: 3

Sample: SD 4364 Injected at 17:49:07 ON MAY 22, 19--

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/60 Bll: 6

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.560	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-F	Iso
NO	0.00	0	.30	5.0	100.00	NO

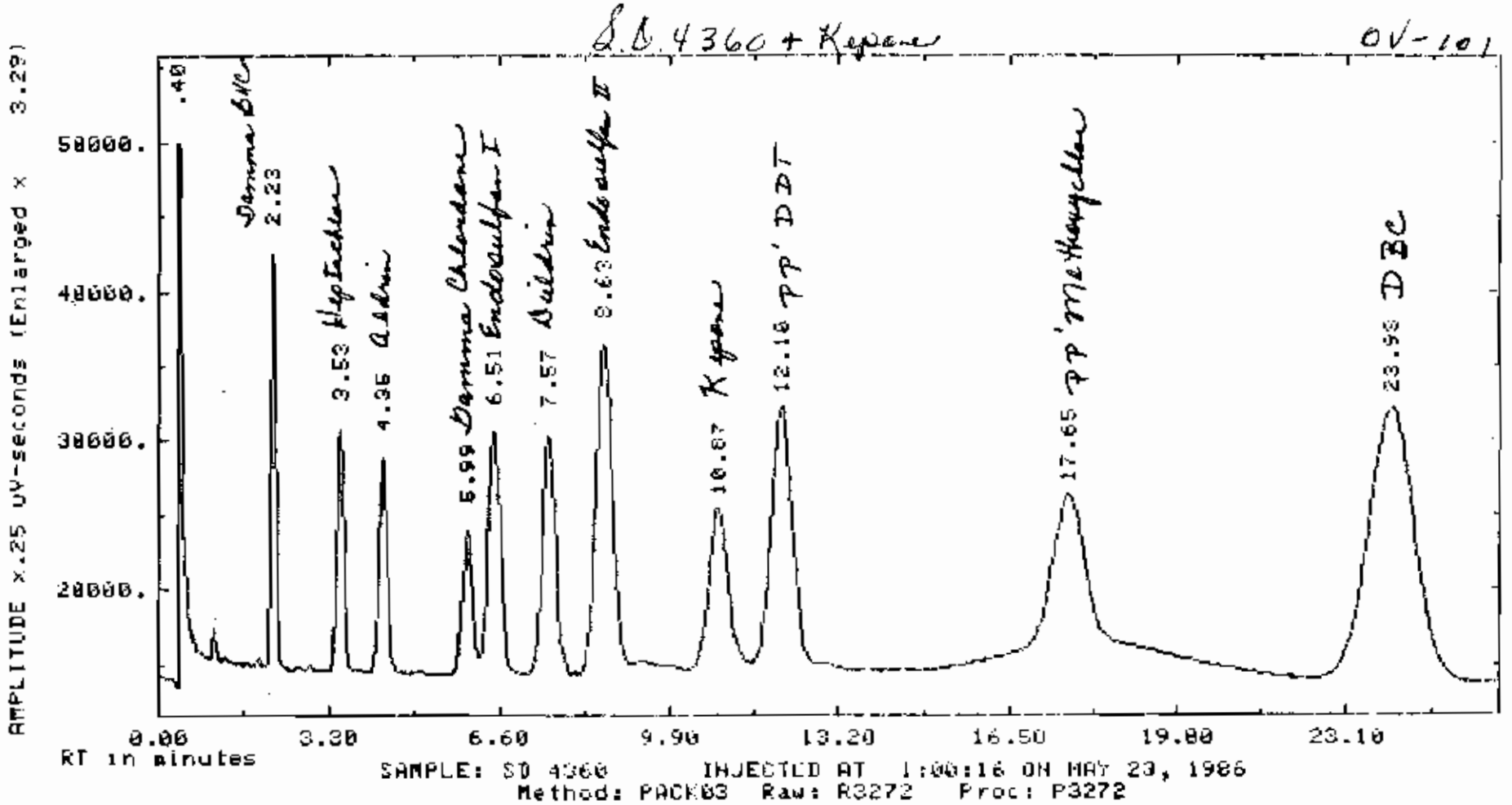
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	273459.	BS	8.378	
1.93	0.00	.10000E+01	63229.	BB	1.937	
2.06	0.00	.10000E+01	31691.	BB	.971	
2.32	0.00	.10000E+01	65062.	BB	1.993	
5.29	0.00	.10000E+01	79594.	BB	2.438	
6.66	0.00	.10000E+01	154533.	BB	4.734	
7.49	0.00	.10000E+01	152870.	BB	4.683	
8.48	0.00	.10000E+01	201667.	BB	6.178	
9.48	0.00	.10000E+01	611570.	BB	18.737	
11.05	0.00	.10000E+01	201318.	BB	6.168	
14.12	0.00	.10000E+01	809e45.	BB	24.805	
24.11	0.00	.10000E+01	619636.	BB	18.984	

Total Area = 3264083 Total AREA % = 619650.250

Processed data file: P3260 Raw data file: R3260


S.D.4360 + Kepone
OV-101
AMPLITUDE x.25 UV-seconds (Enlarged x 3.29)
50000.
40000.
30000.
20000.
.40
Dienochlor
2.23
Heptachlor
3.53
Aldrin
4.36
Dieldrin
7.57
Endosulfan II
8.63
Kepone
10.87
PP' DDT
12.18
PP' Methoxychlor
17.65
DBC
23.98
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4360 INJECTED AT 1:00:16 ON MAY 23, 1986
Method: PACK03 Raw: R3272 Proc: P3272

Report: 430.00 Channel: 3

Sample: SD 4360 Injected at 1:00:16 ON MAY 23, 19[illegible]

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/72 . Btl: 72

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

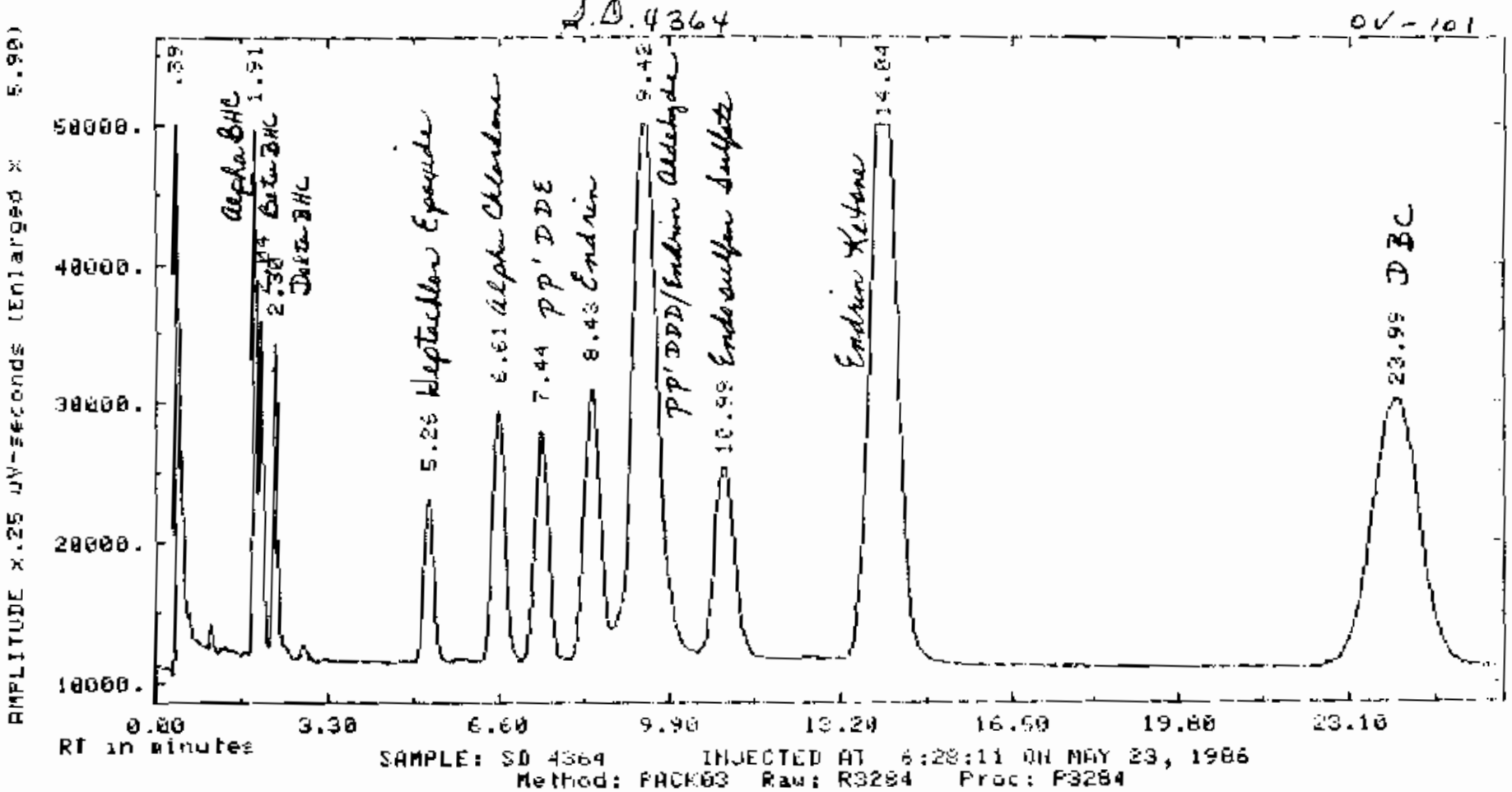
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	165444.	BS	6.915	
2.23	0.00	.10000E+01	84641.	BB	3.537	
3.53	0.00	.10000E+01	75447.	BB	3.153	
4.35	0.00	.10000E+01	80722.	BB	3.374	
5.99	0.00	.10000E+01	60859.	BB	2.544	
6.51	0.00	.10000E+01	119457.	BB	4.993	
7.57	0.00	.10000E+01	150731.	BB	6.300	
8.63	0.00	.10000E+01	234170.	BB	9.787	
10.87	0.00	.10000E+01	142009.	BB	5.935	
12.10	0.00	.10000E+01	251426.	BB	10.508	
17.65	0.00	.10000E+01	464132.	BB	19.398	
23.98	0.00	.10000E+01	563671.	BB	23.558	

Total Area = 2392711. Total AREA % = 563671.500

Processed data file: P3272 Raw data file: R3272


S.D. 4364
OV-101
AMPLITUDE x.25 UV-seconds (Enlarged x 5.00)
50000.
40000.
30000.
20000.
10000.
.39
Alpha BHC
1.91
2.36 Beta BHC
Delta BHC
5.26 Heptachlor Epoxide
6.61 Alpha Chlordane
7.44 PP' DDE
8.48 Endrin
9.42
PP' DDD/Endrin Aldehyde
10.99 Endosulfan Sulfate
Endrin Ketone
14.84
23.99 DBC
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4364 INJECTED AT 6:28:11 ON MAY 23, 1986
Method: PACK63 Raw: R3284 Proc: P3284

Report: 442.00 Channel: 3

Sample: SD 4364 Injected at 6:28:11 ON MAY 23, 198-

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/84 Btl. 84

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

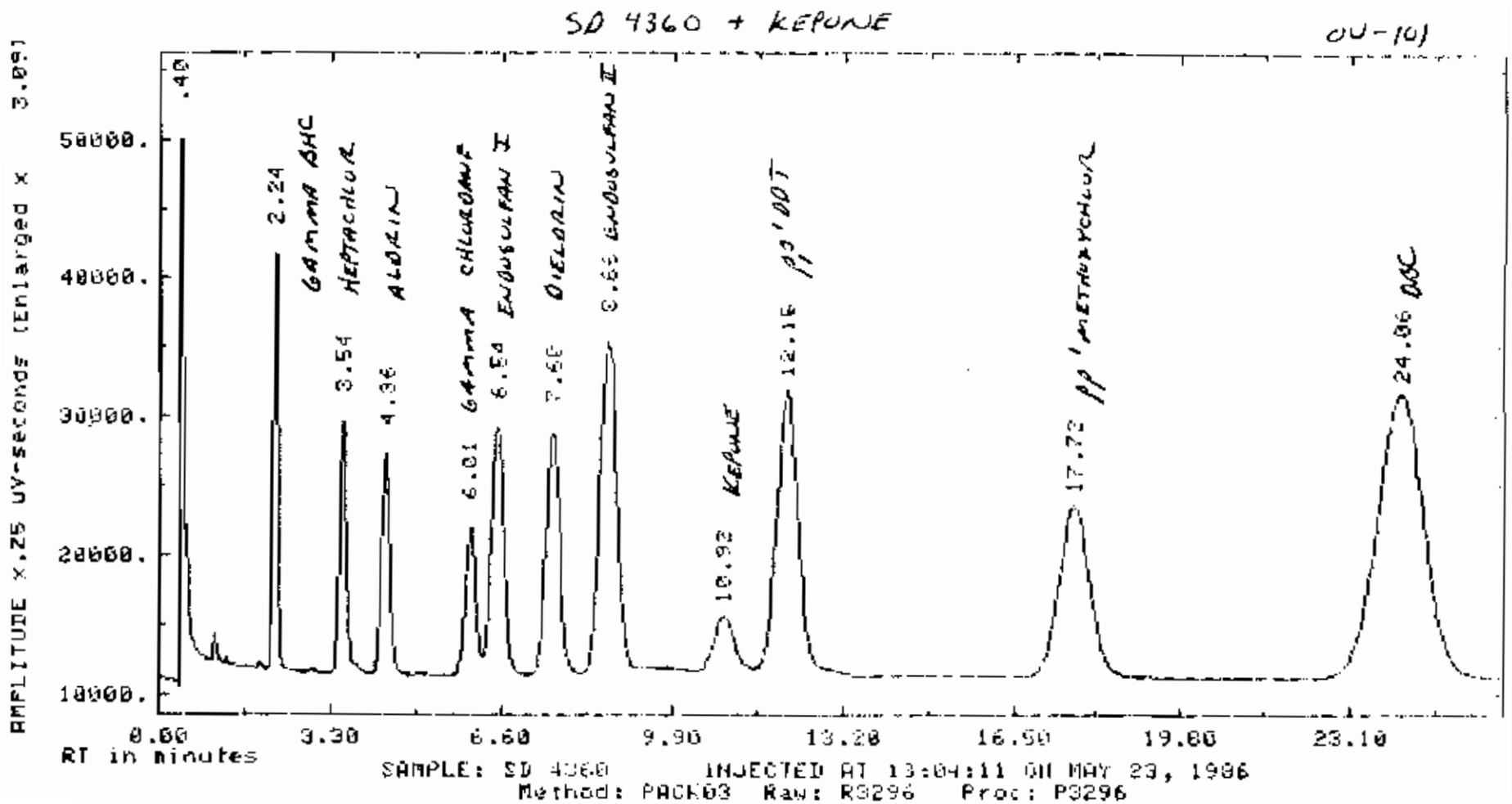
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.39	0.00	.10000E+01	236503.	BS	7.603	
1.91	0.00	.10000E+01	62055.	BB	1.995	
2.04	0.00	.10000E+01	30342.	BB	.975	
2.30	0.00	.10000E+01	67935.	BB	2.184	
5.26	0.00	.10000E+01	77292.	BV	2.485	
6.61	0.00	.10000E+01	150093.	BB	4.825	
7.44	0.00	.10000E+01	148357.	BB	4.769	
8.43	0.00	.10000E+01	174547.	BB	5.611	
9.42	0.00	.10000E+01	599261.	BB	19.261	
10.99	0.00	.10000E+01	179146.	BB	5.759	
14.04	0.00	.10000E+01	787472.	BB	25.314	
23.99	0.00	.10000E+01	597258.	BF	19.195	

Total Area = 3110799. Total AREA % = 59725: 756

Processed data file: P3284 Raw data file: R3284


SD 4360 + KEPONE
OU-101
AMPLITUDE x.25 UV-seconds (Enlarged x 3.09)
50000.
40000.
30000.
20000.
10000.
.40
2.24
GAMMA BHC
3.54
HEPTACHLOR
4.36
ALDRIN
6.01
GAMMA CHLORDANE
6.54
ENDOSULFAN II
7.60
DIELDRIN
8.66
ENDOSULFAN II
10.92
KEPONE
12.16
pp'DDT
17.72
pp'METHOXYCHLOR
24.06
DDC
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4360
INJECTED AT 13:04:11 ON MAY 23, 1986
Method: PACK03 Raw: R3296 Proc: P3296

Report: 456.00 Channel: 3

Sample: SD 4360 Injected at 13.04.11 ON MAY 23, 1990

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/96 Btl: 96

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

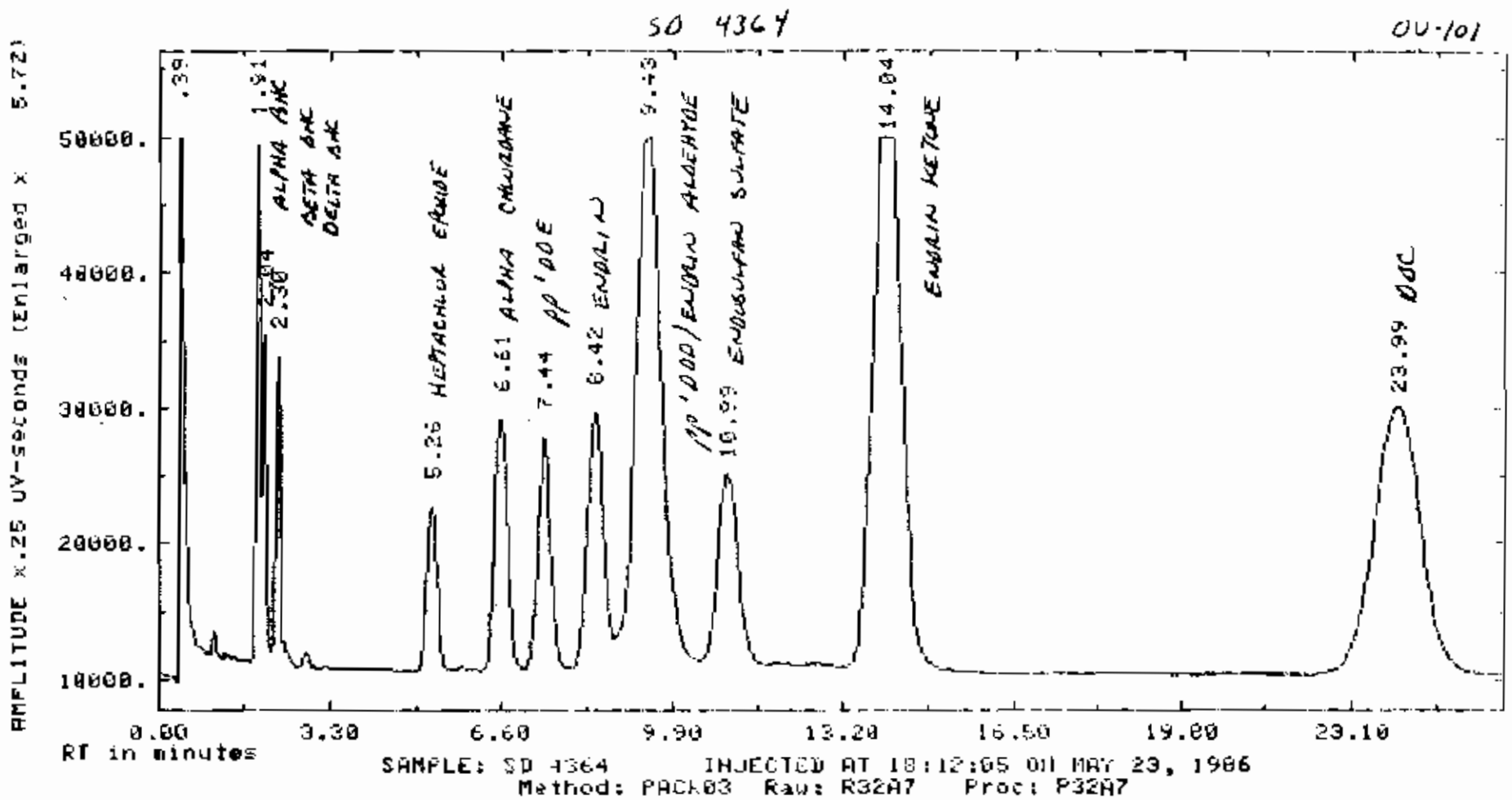
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	146222.	BB	6.364	
2.24	0.00	.10000E+01	93251.	BB	4.056	
3.54	0.00	.10000E+01	88251.	BB	3.841	
4.36	0.00	.10000E+01	89935.	BB	3.914	
6.01	0.00	.10000E+01	66525.	BB	2.895	
6.54	0.00	.10000E+01	133333.	BB	5.803	
7.60	0.00	.10000E+01	165612.	BB	7.208	
8.66	0.00	.10000E+01	260199.	BB	11.324	
10.92	0.00	.10000E+01	49911.	BB	2.172	
12.15	0.00	.10000E+01	292302.	BB	12.721	
17.72	0.00	.10000E+01	270878.	BB	11.787	
24.06	0.00	.10000E+01	641345.	BB	27.912	

Total Area = 2297763. Total AREA % = 641345.25

Processed data file: P3296 Raw data file: R3296


SD 4364
OV-101
AMPLITUDE x.25 UV-seconds (Enlarged x 5.72)
50000.
40000.
30000.
20000.
10000.
.39
1.81 ALPHA BHC
2.04 BETA BHC
2.30 DELTA BHC
5.26 HEPTACHLOR EPOXIDE
6.61 ALPHA CHLORDANE
7.44 PP'DDE
8.42 ENDRIN
9.43 PP'DDD/ENDRIN ALDEHYDE
10.99 ENDOSULFAN SULFATE
14.04 ENDRIN KETONE
23.99 DDC
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4364 INJECTED AT 18:12:05 ON MAY 23, 1986
Method: PACK03 Raw: R32A7 Proc: P32A7

Report: 467.00 Channel: 3

Sample: SD 4364 Injected at 18:12.05 ON MAY 23, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/** Btl: 8

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-f	Teo
NO	0.00	0	.30	5.0	100.00	NO

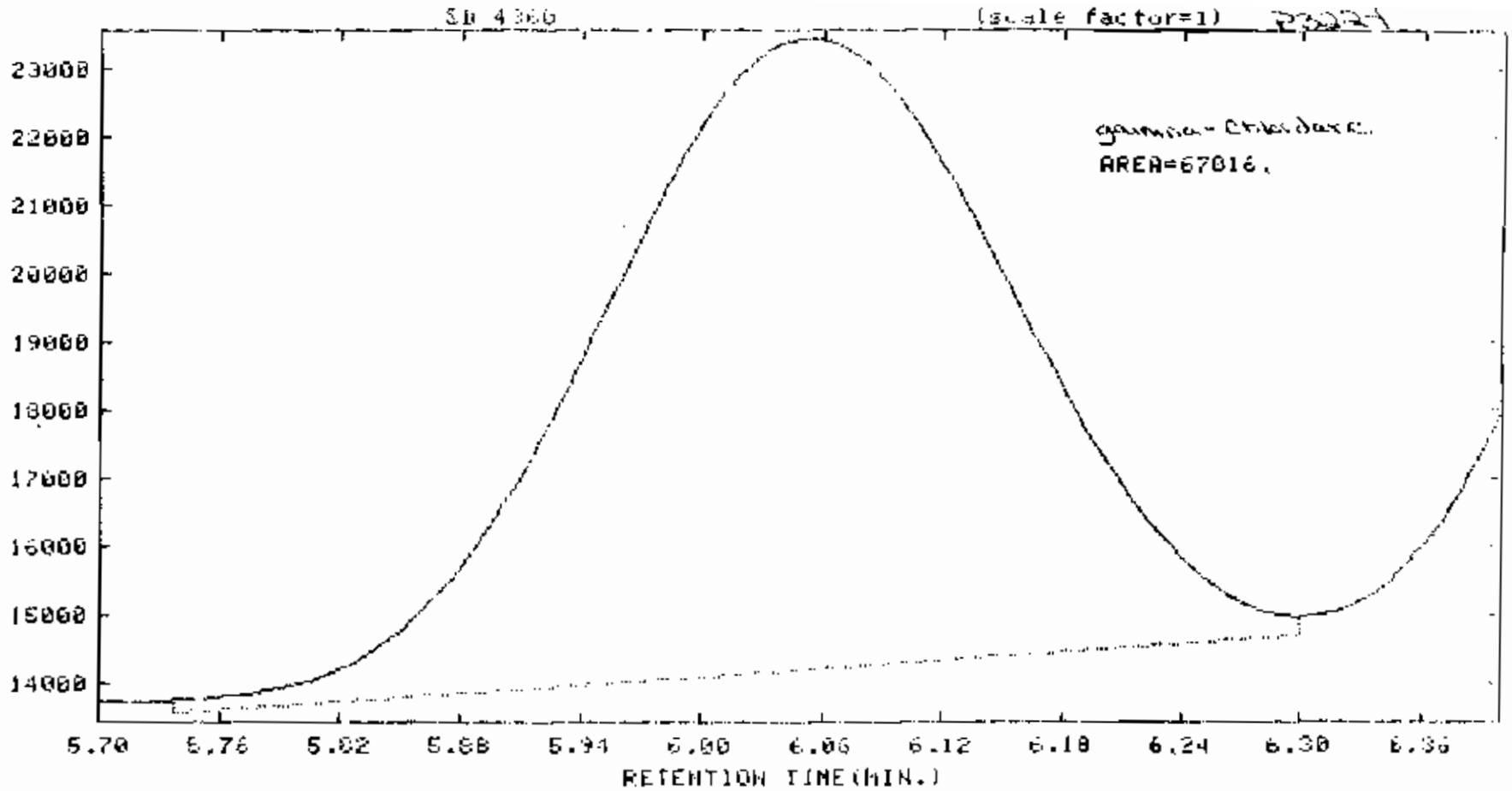
Actual run time: 26.017 Minutes

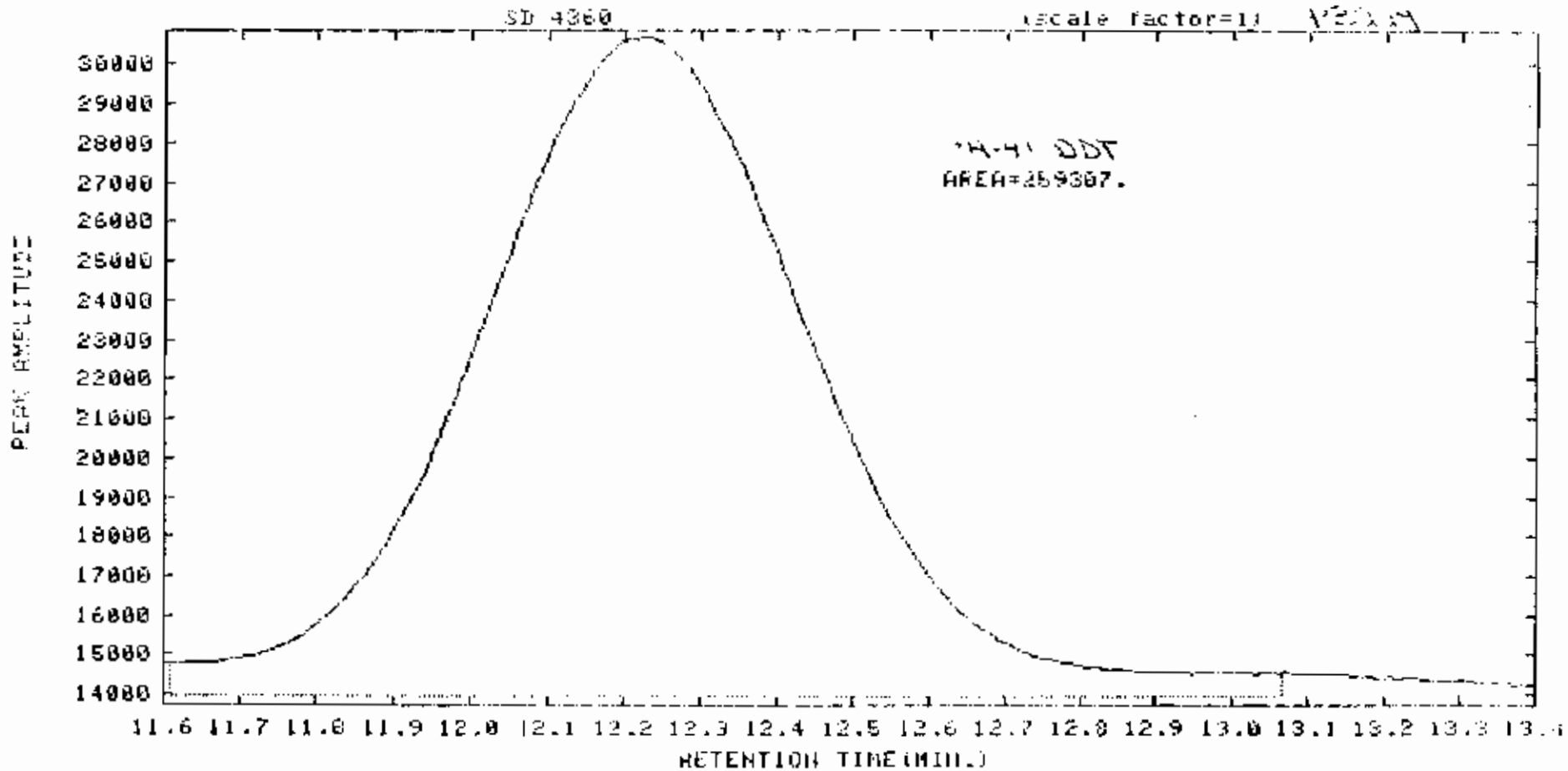
Ended not on baseline

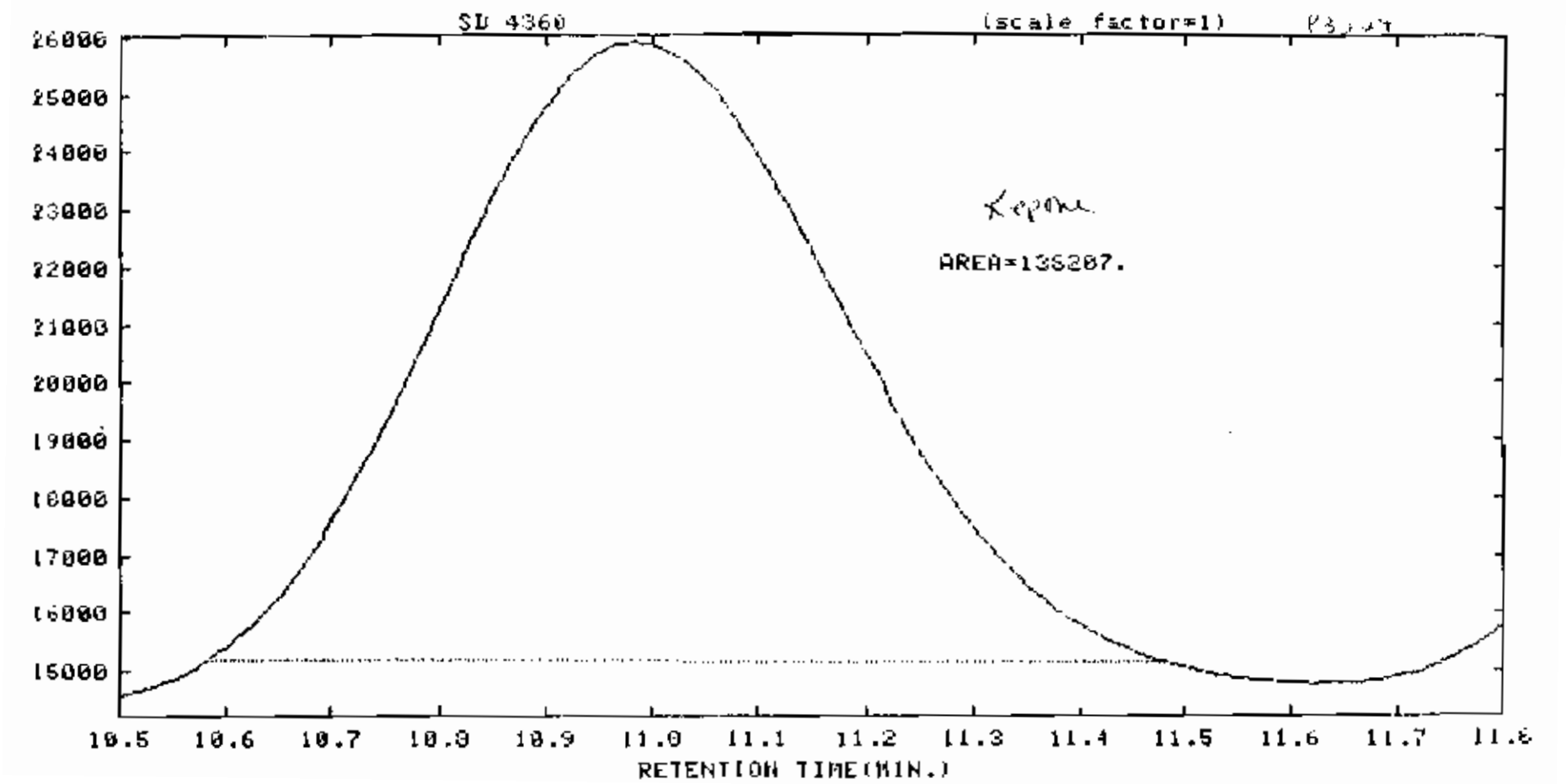
RT	ITM	Factor	Area		AREA %	Name
.39	0.00	.10000E+01	233147.	BS	7.270	
1.91	0.00	.10000E+01	62372.	BB	1.945	
2.04	0.00	.10000E+01	30755.	BB	.959	
2.30	0.00	.10000E+01	69702.	BB	2.174	
5.26	0.00	.10000E+01	81031.	BB	2.527	
6.61	0.00	.10000E+01	156421.	BB	4.878	
7.44	0.00	.10000E+01	155229.	BB	4.841	
8.42	0.00	.10000E+01	170759.	BB	5.325	
9.43	0.00	.10000E+01	624819.	BB	19.484	
10.99	0.00	.10000E+01	187687.	BB	5.853	
14.04	0.00	.10000E+01	816479.	BB	25.460	
23.99	0.00	.10000E+01	618459.	BF	19.286	

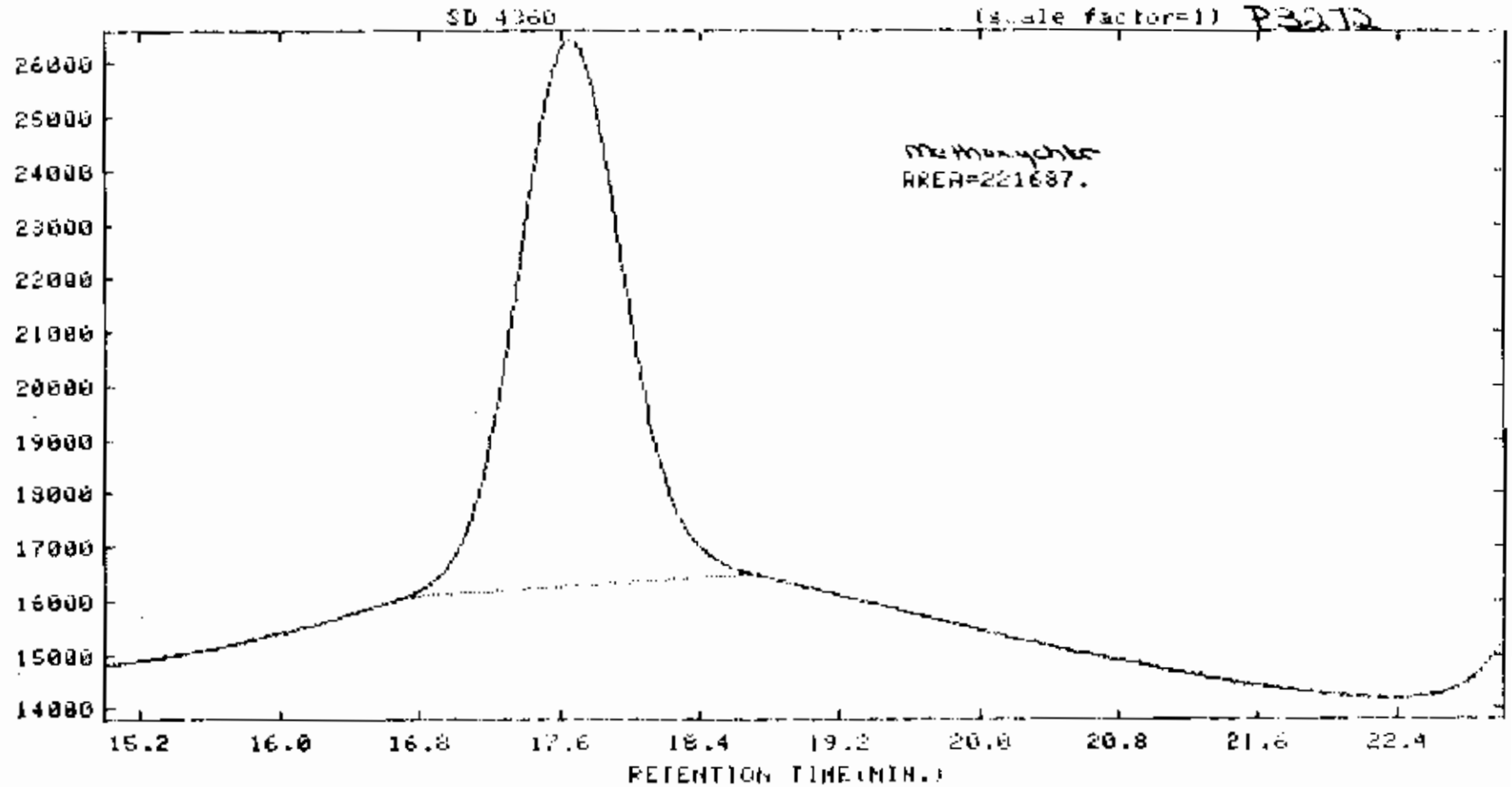
Total Area = 3206861. Total AREA % = 618459.250

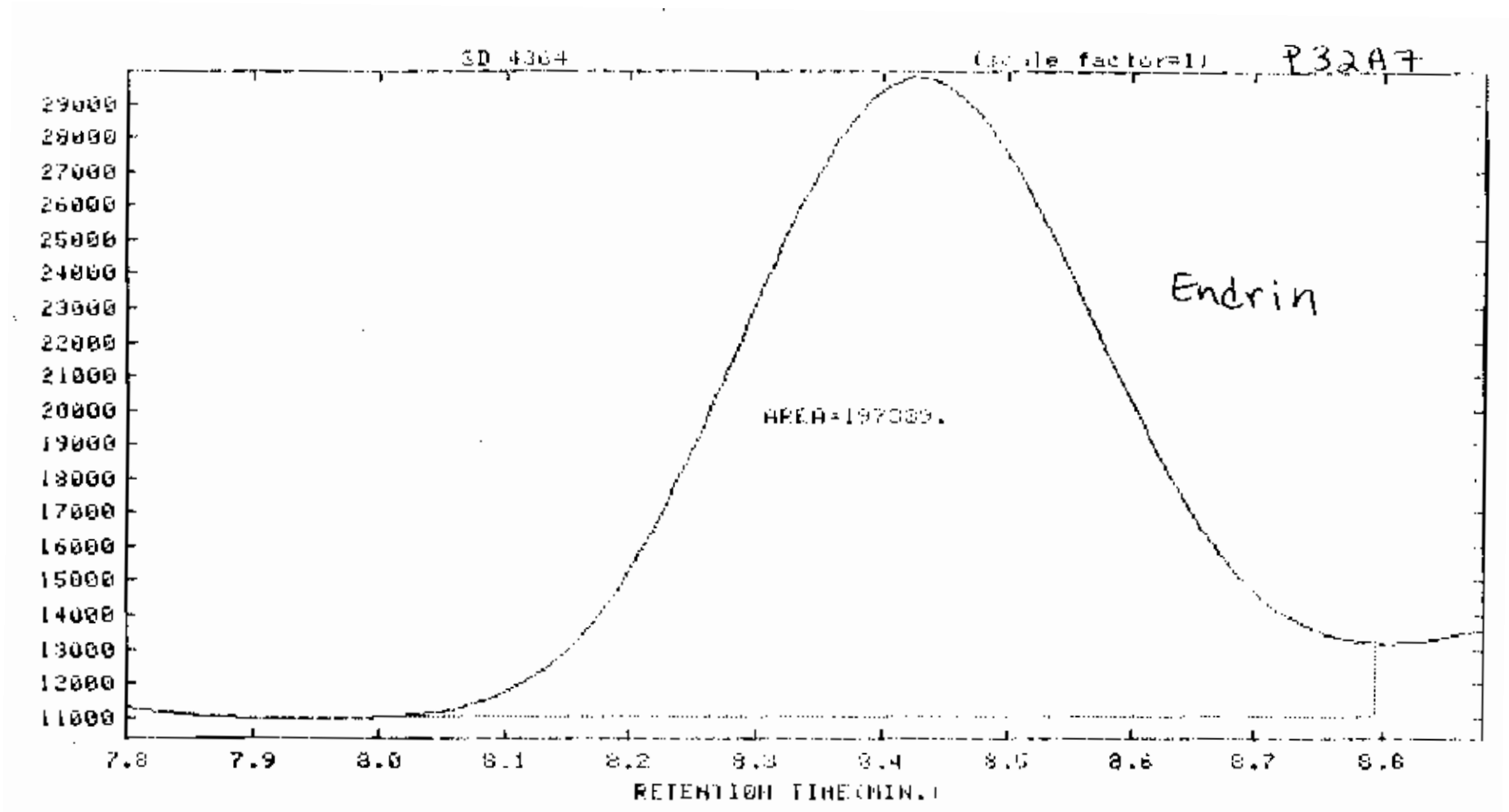
Processed data file: P32A7 Raw data file: R32A7

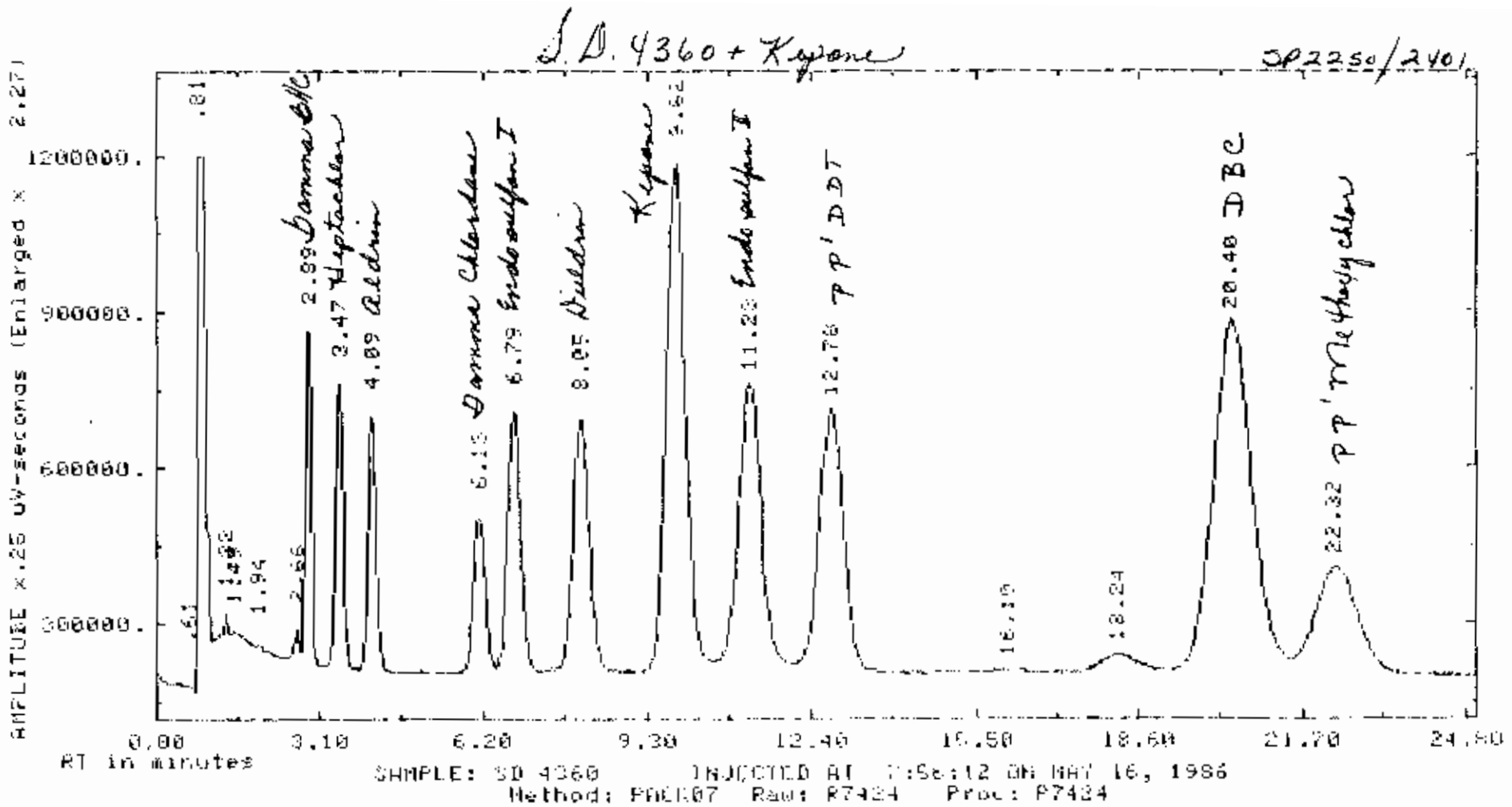

SB 4366
(scale factor=1)
AREA=67016.
23000
22000
21000
20000
19000
18000
17000
16000
15000
14000
5.70
5.76
5.82
5.88
5.94
6.00
6.06
6.12
6.18
6.24
6.30
6.36
RETENTION TIME(MIN.)


SD 4360
scale factor=1
30000
29000
28000
27000
26000
25000
24000
23000
22000
21000
20000
19000
18000
17000
16000
15000
14000
PEAK AMPLITUDE
AREA=259307.
11.6 11.7 11.8 11.9 12.0 12.1 12.2 12.3 12.4 12.5 12.6 12.7 12.8 12.9 13.0 13.1 13.2
RETENTION TIME(MIN.)


SU 4360
(scale factor=1)
26000
25000
24000
23000
22000
21000
20000
19000
18000
17000
16000
15000
Kepone
AREA=138287.
10.5
10.6
10.7
10.8
10.9
11.0
11.1
11.2
11.3
11.4
11.5
11.6
11.7
11.8
RETENTION TIME(MIN.)


SD 4360
(scale factor=1)
P3272
26000
25000
24000
23000
22000
21000
20000
19000
18000
17000
16000
15000
14000
AREA=221687.
15.2
16.0
16.8
17.6
18.4
19.2
20.0
20.8
21.6
22.4
RETENTION TIME(MIN.)


SD 4364
(scale factor=1)
P32A7
29000
28000
27000
26000
25000
24000
23000
22000
21000
20000
19000
18000
17000
16000
15000
14000
13000
12000
11000
AREA=197089.
Endrin
7.8
7.9
8.0
8.1
8.2
8.3
8.4
8.5
8.6
8.7
8.8
RETENTION TIME(MIN.)


S.D. 4360 + Kypone
OP225c/240
AMPLITUDE x.25 UV-seconds (Enlarged x 2.27)
1200000.
900000.
600000.
300000.
.81
1.94
2.89 Gamma BHC
2.47 Heptachlor
4.89 Aldrin
6.19 Gamma Chlordane
6.79 Endosulfan I
8.05 Dieldrin
9.62 Kypone
11.28 Endosulfan II
12.76 PP' DDT
18.24
20.48 DBC
22.32 PP' Methoxychlor
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD 4360 INJECTED AT 7:56:12 ON MAY 16, 1986
Method: PAE107 Raw: R7434 Proc: P7434

Report: 197.00 Channel: 7

Sample: SD 4366 Injected at 7:56:12 ON MAY 16, 198-

APCT Method: PACK07 Seq. SEQ74 Subsq/Samp. 1/24 Btl. 24

Si-width	MV/Min	Delay	Min-Ar	Beach
.500	3.000	0.06	10000	Auto

Sep-unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.06	0	.12	5.0	100.00	NO

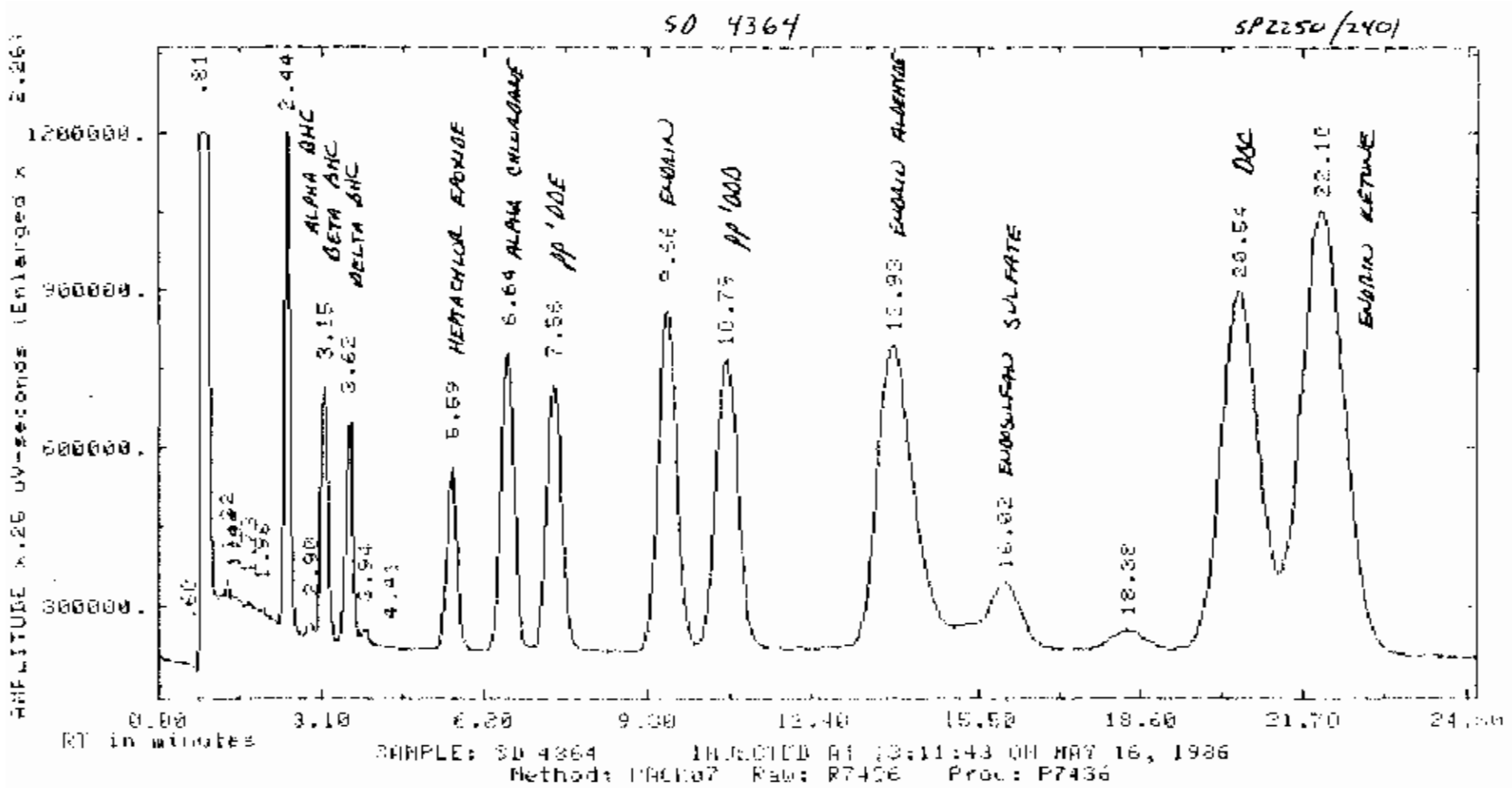
Actual run time: 25.006 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.61	0.00	.10000E+01	10791.	BB	.014	
.81	0.00	.10000E+01	10888210.	BB	13.653	
1.32	0.00	.10000E+01	65461.	BB	.082	
1.47	0.00	.10000E+01	46721.	BB	.059	
1.94	0.00	.10000E+01	27390.	BB	.034	
2.66	0.00	.10000E+01	139113.	BB	.174	
2.89	0.00	.10000E+01	2391554.	BB	2.999	
3.47	0.00	.10000E+01	2532779.	BB	3.176	
4.08	0.00	.10000E+01	2619430.	BB	3.285	
6.13	0.00	.10000E+01	2249220.	BB	2.820	
6.75	0.00	.10000E+01	4173214.	BB	5.233	
8.05	0.00	.10000E+01	6055074.	BB	7.590	
9.82	0.00	.10000E+01	12206264.	BB	15.306	
11.23	0.00	.10000E+01	2717671.	BB	3.408	
12.78	0.00	.10000E+01	2709346.	BB	3.398	
16.19	0.00	.10000E+01	155434.	BB	.195	
18.24	0.00	.10000E+01	735080.	BB	.922	
20.40	0.00	.10000E+01	16497522.	BB	20.687	
22.52	0.00	.10000E+01	4441872	BB	5.570	

Total Area = 79746752. Total AREA % = 444:872.000

Processed data file: P7424 Raw data file: R7424


SD 4364
SP2250/2401
AMPLITUDE x.26 UV-seconds (Enlarged x 2.26)
1200000.
900000.
600000.
300000.
.81
2.44
ALPHA BHC
BETA BHC
DELTA BHC
3.15
3.62
5.69 HEPTACHLOR EPOXIDE
6.64 ALPHA CHLORDANE
7.58 PP'DDE
9.56 ENDRIN
10.75 PP'DDD
12.98 ENDRIN ALDEHYDE
14.82 ENDOSULFAN SULFATE
18.38
20.54 DDT
22.10
ENDRIN KETONE
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD 4364 INJECTED AT 13:11:43 ON MAY 16, 1986
Method: PAC107 Raw: R7436 Proc: P7436

Report: 209.00 Channel: 2

Sample: SD 4364 Injected at 13:11:43 ON MAY 16, 1986

AFLT Method: FACKd7 Seq: SEQ74 Subsq/Samp: 1/36 Btl: 36

Sl-width	MV/Min	Delay	Min-Ar	Bench
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

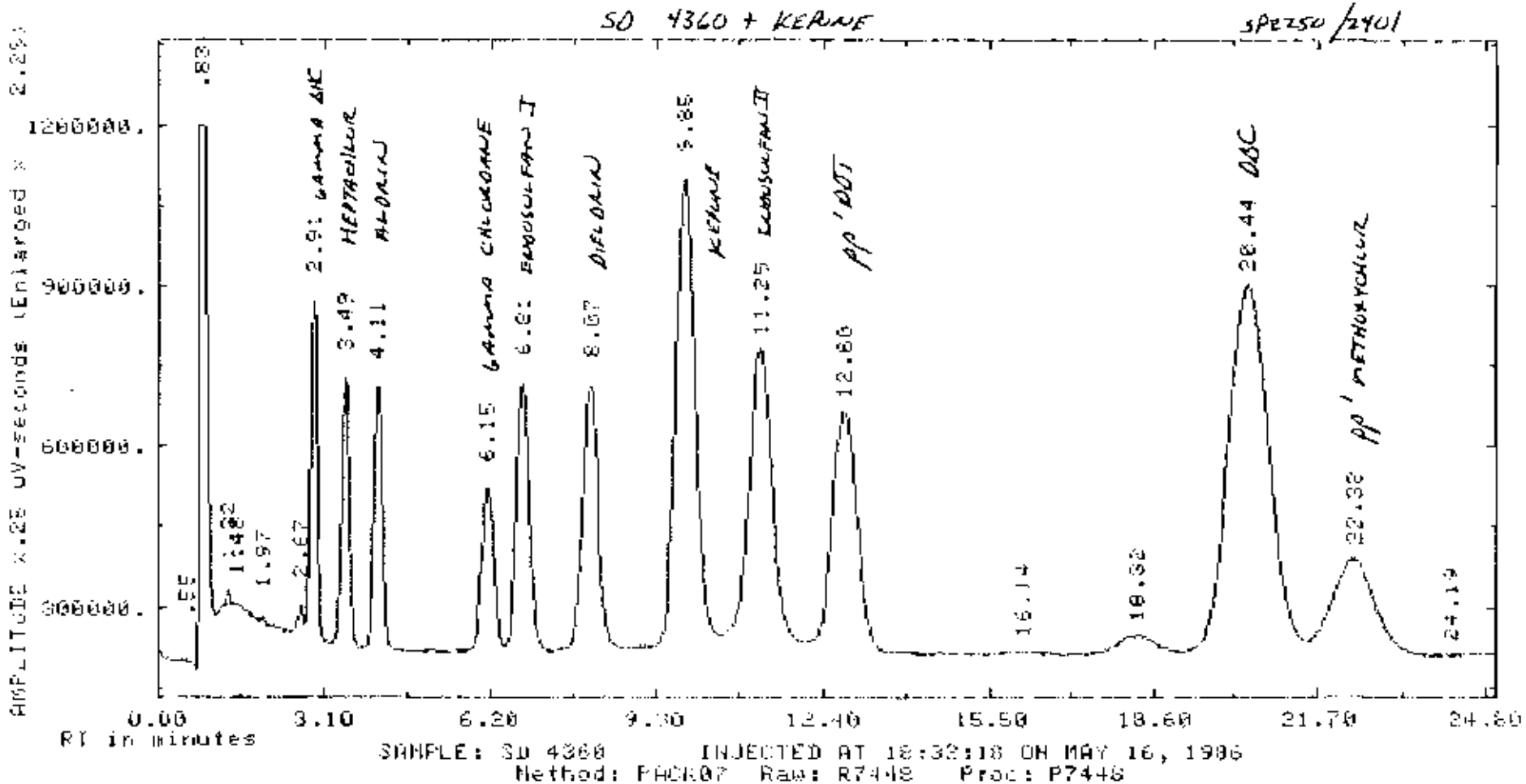
Actual run time: 25.008 minutes

Ended not on baseline
No reference peak found

RT	ITN	Factor	Area		AREA %	Name
.60	0.00	.10000E+01	14643.	BP	.018	
.81	0.00	.10000E+01	43465.	BS	.055	
1.32	0.00	.10000E+01	59393.	BB	.074	
1.44	0.00	.10000E+01	27556.	BB	.035	
1.73	0.00	.10000E+01	22060.	BP	.028	
1.96	0.00	.10000E+01	36363.	BB	.046	
2.44	0.00	.10000E+01	3347516.	BS	4.197	
2.90	0.00	.10000E+01	61152.	BB	.077	
3.15	0.00	.10000E+01	1991766.	BB	2.497	
3.62	0.00	.10000E+01	1966315.	BB	2.465	
3.94	0.00	.10000E+01	84472.	BP	.106	
4.41	0.00	.10000E+01	10809.	BB	.014	
5.59	0.00	.10000E+01	2532229.	BB	3.174	
6.64	0.00	.10000E+01	4768671.	BB	5.978	
7.56	0.00	.10000E+01	4796765.	BP	[illegible]	
9.66	0.00	.10000E+01	2821795.	BB	[illegible]	
10.77	0.00	.10000E+01	7374435.	BP	9.245	
13.93	0.00	.10000E+01	12079876.	BB	15.144	
16.02	0.00	.10000E+01	2069352.	BB	2.594	
18.25	0.00	.10000E+01	820934.	BB	1.029	
21.54	0.00	.10000E+01	13067988.	BB	16.408	
22.16	0.00	.10000E+01	16756722.	BB	[illegible]	

Total Area = 79768016. Total AREA % = 16756722.00

Processed data file: P7436 Raw data file: R7436


SD 4360 + KERNE
spezzo 2401
AMPLITUDE x.2E UV-seconds (Enlarged x 2.29)
1200000.
900000.
600000.
300000.
.88
.55
1.42
1.97
2.67
2.91 GAMMA BHC
3.49 HEPTACHLOR
4.11 ALDRIN
6.15 GAMMA CHLORDANE
6.81 ENDOSULFAN I
8.07 DIELDRIN
9.85 KERNE
11.25 ENDOSULFAN II
12.80 pp' DDT
16.14
18.32
28.44 DBC
22.32 pp' METHOXYCHLOR
24.19
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD 4360 INJECTED AT 18:32:18 ON MAY 16, 1986
Method: PAC807 Raw: R7448 Proc: P7448

Report: 221.00 Channel: 7

Sample: SD 4360 Injected at 18:32:18 On MAY 16, 1986

APCT method: PACK07 Seq: SEQ74 Subsq/Samp: 1/40 Vial: 40

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	Dvl	ID-Lvl	Ref-RTw	%RTW	%Dil-F	Iso
NO	0.00	0	.30	5.0	100.00	NO

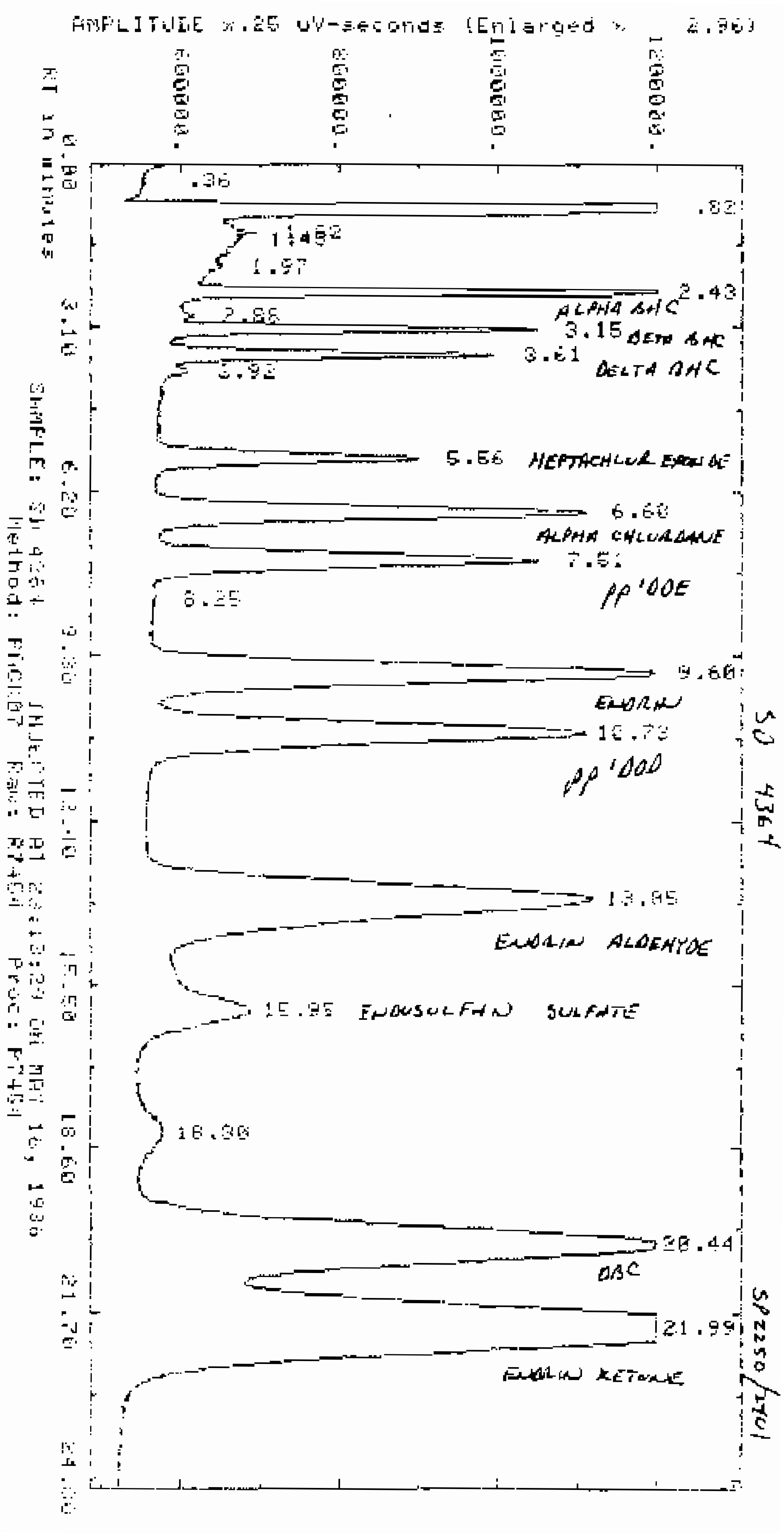
Actual run time: 25.008 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.55	0.00	.10000E+01	22147.	BB	.032	
.83	0.00	.10000E+01	1882722.	BB	2.754	
1.52	0.00	.10000E+01	55641.	BB	.081	
1.48	0.00	.10000E+01	47305.	BB	.069	
1.97	0.00	.10000E+01	21610.	BB	.032	
2.67	0.00	.10000E+01	110820.	BB	.162	
2.91	0.00	.10000E+01	2431710.	BB	3.557	
3.49	0.00	.10000E+01	2346202.	BB	3.432	
4.11	0.00	.10000E+01	2658725.	BB	3.889	
6.13	0.00	.10000E+01	2276980.	BB	3.330	
6.61	0.00	.10000E+01	4245826.	BB	6.211	
8.07	0.00	.10000E+01	5006593.	BB	7.324	
9.85	0.00	.10000E+01	10735e01.	BB	15.702	
11.25	0.00	.10000E+01	7729862.	BB	11.600	
12.68	0.00	.10000E+01	6329104.	BB	9.259	
16.14	0.00	.10000E+01	52716.	BB	.077	
18.32	0.00	.10000E+01	710252.	BB	1.039	
20.44	0.00	.10000E+01	16892684.	BB	24.712	
22.36	0.00	.10000E+01	4091324.	BB	5.985	
24.19	0.00	.10000E+01	10714	BB	.016	

Total Area = 65356300. Total AREA % = 91714.000

Processed data file: P7446 Raw data file: R7446



AMPLITUDE x.25 uV-seconds (Enlarged x 2.96)
600000.
800000.
1000000.
1200000.
RT in minutes
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.00
SAMPLE: SD 4364
INJECTED AT 20:18:29 ON MAY 16, 1986
Method: FHCL07 Raw: R7464 Proc: P7464
.36
.82
1.48
1.97
2.43
ALPHA BHC
2.86
3.15
BETA BHC
3.61
DELTA BHC
3.92
5.56
HEPTACHLOR EPOXIDE
6.60
ALPHA CHLORDANE
7.51
PP'DDE
8.25
9.60
ENDRIN
10.73
PP'DDD
13.85
ENDRIN ALDEHYDE
15.95
ENDOSULFAN SULFATE
18.30
20.44
DBC
21.99
ENDRIN KETONE
SD 4364
SP2250/2401

Report: 234.00 Channel: 7

Sample SD 4364 Injected at 23:13.27 ON 08/ 16, 1988

APCT Method: PACK07 Seq. SE074 Subsq/Samp. 1/54 Stl: 54

Si-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Dmx	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-F	Iso
NO	0.00	0	.30	5.0	10.00	NO

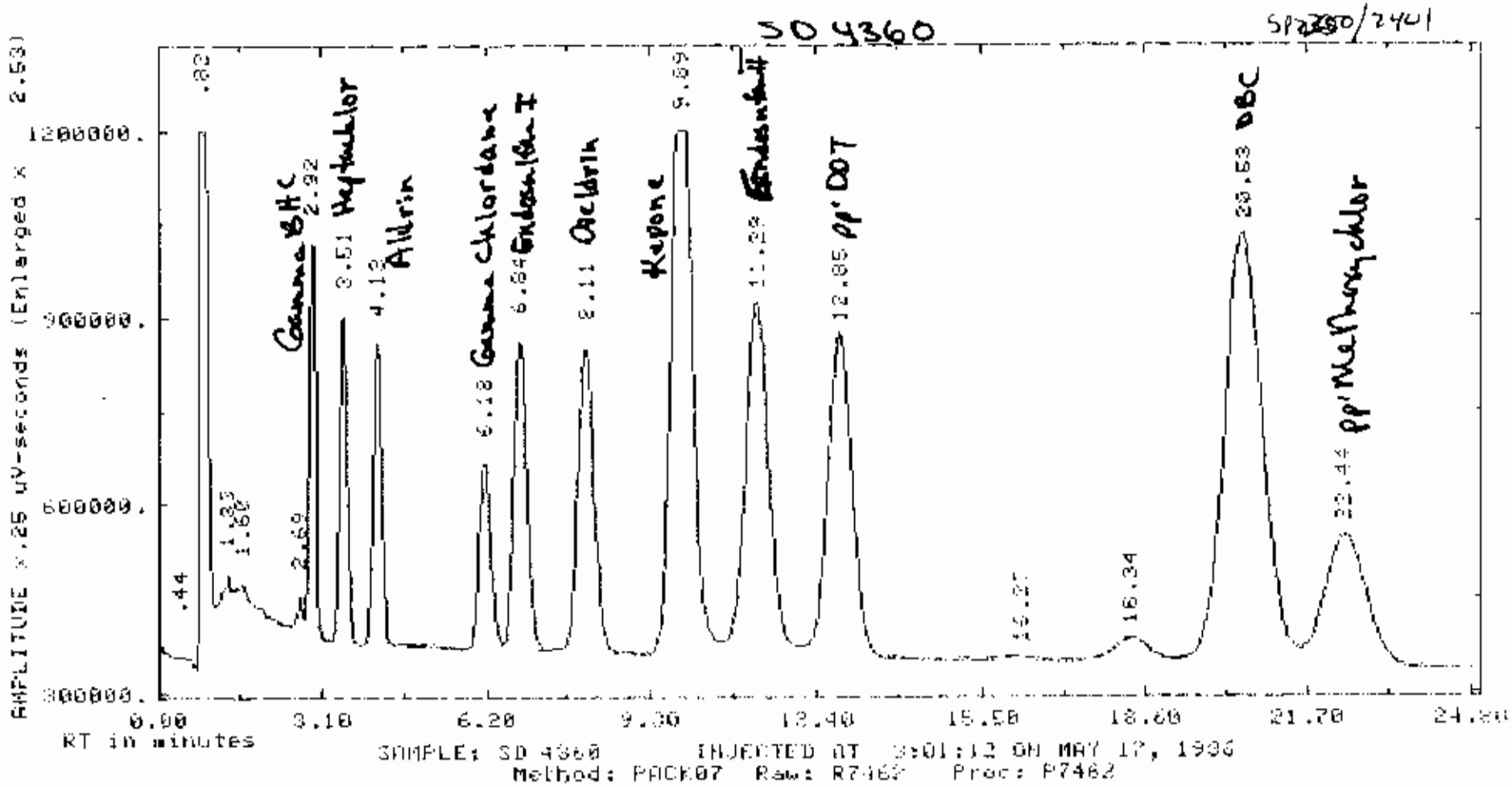
Actual run time: 25.017 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.36	0.00	.10000E+01	97002.	BB	.122	
.82	0.00	.10000E+01	1136195.	BB	1.430	
1.32	0.00	.10000E+01	71302.	BB	.090	
1.45	0.00	.10000E+01	13328.	BB	.017	
1.97	0.00	.10000E+01	50312.	BB	.063	
2.43	0.00	.10000E+01	3267206.	BB	4.111	
2.68	0.00	.10000E+01	39854.	BB	.050	
3.15	0.00	.10000E+01	1911109.	BB	2.405	
3.61	0.00	.10000E+01	1936302.	BB	2.436	
3.72	0.00	.10000E+01	78340.	BB	.099	
5.56	0.00	.10000E+01	2347469.	BB	2.954	
6.68	0.00	.10000E+01	4321162.	BB	5.439	
7.51	0.00	.10000E+01	4561260.	BB	5.741	
8.23	0.00	.10000E+01	11652.	BB	.015	
9.60	0.00	.10000E+01	7563772.	BB	9.520	
10.73	0.00	.10000E+01	7251956.	BB	9.128	
13.85	0.00	.10000E+01	11940404.	BB	15.029	
15.95	0.00	.10000E+01	2283824.	BB	2.874	
18.30	0.00	.10000E+01	496592.	BB	.625	
20.44	0.00	.10000E+01	12772760.	BB	16.078	
21.97	0.00	.10000E+01	1691976.	BB	1.270	

Total Area = 79473872. Total AREA % = 1691976.000

Processed data file: P7454 Raw data file: R7454


SD 4360
SP 2390/2401
AMPLITUDE x.25 uV-seconds (Enlarged x 2.53)
1200000.
900000.
600000.
300000.
.82
.44
1.33
1.80
2.69
2.92 Gamma BHC
3.51 Heptachlor
4.12 Aldrin
6.18 Gamma Chlordane
6.64 Endosulfan I
8.11 Dieldrin
9.69 Kepone
11.23 Endosulfan II
12.85 pp' DDT
16.34
20.53 DBC
22.44 pp' Methoxychlor
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD 4360 INJECTED AT 3:01:12 ON MAY 17, 1986
Method: PACK07 Raw: R7462 Proc: P7462

Report: 239.00 Channel: 7

Sample: SL 4368 Injected at 3 0::12 ON MAY 17, 195=

APCT Method: PACK67 Seq: SEQ74 Subsq/Samp: 1/62 Btl: 62

Sl-width	MV/Min	Delay	Min-A^	Bench
.500	3.100	0.60	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dif-f	Iso
NO	0.00	0	.50	5 (	100.00	NO

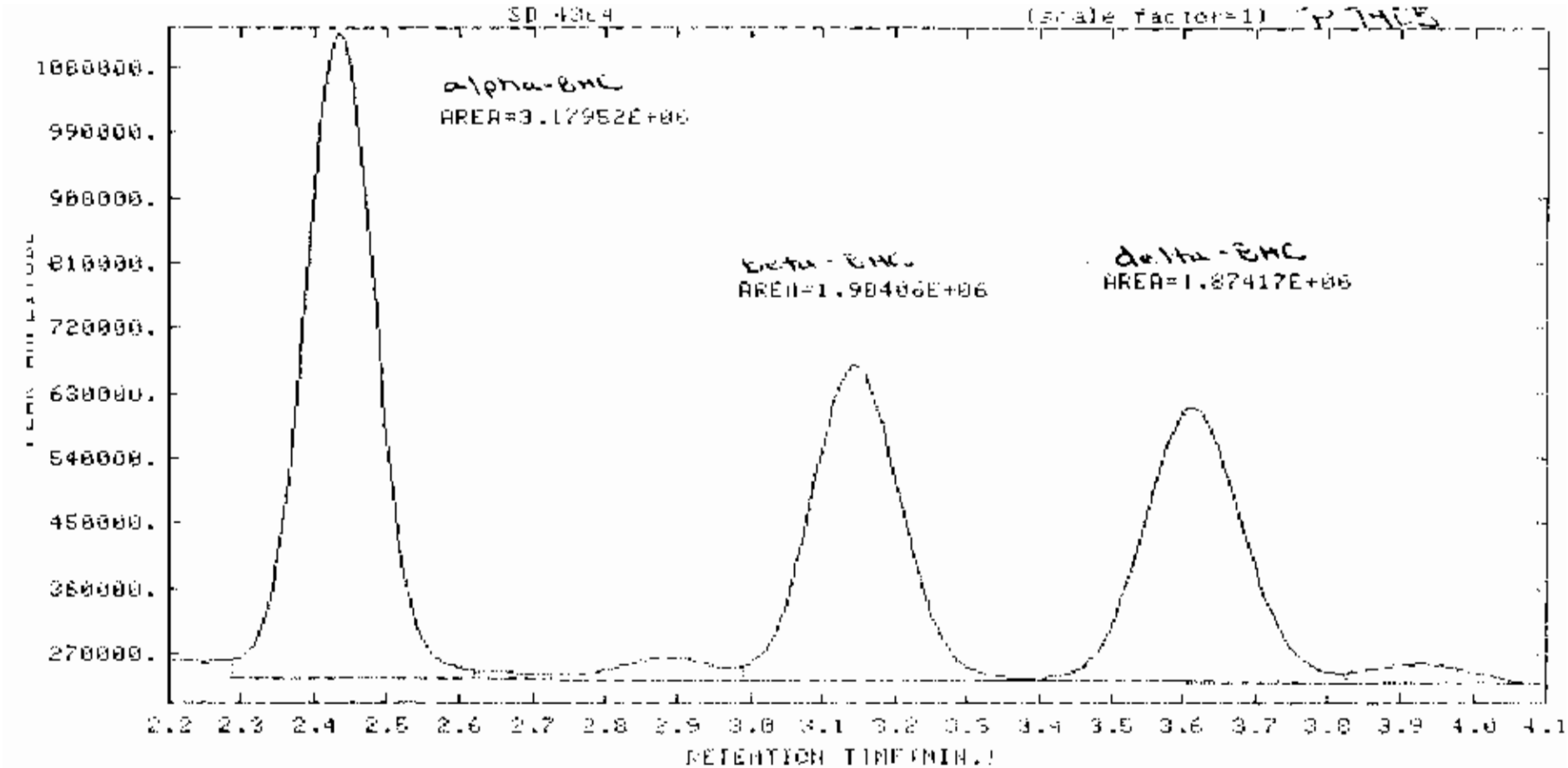
Actual run time: 25.80B minutes

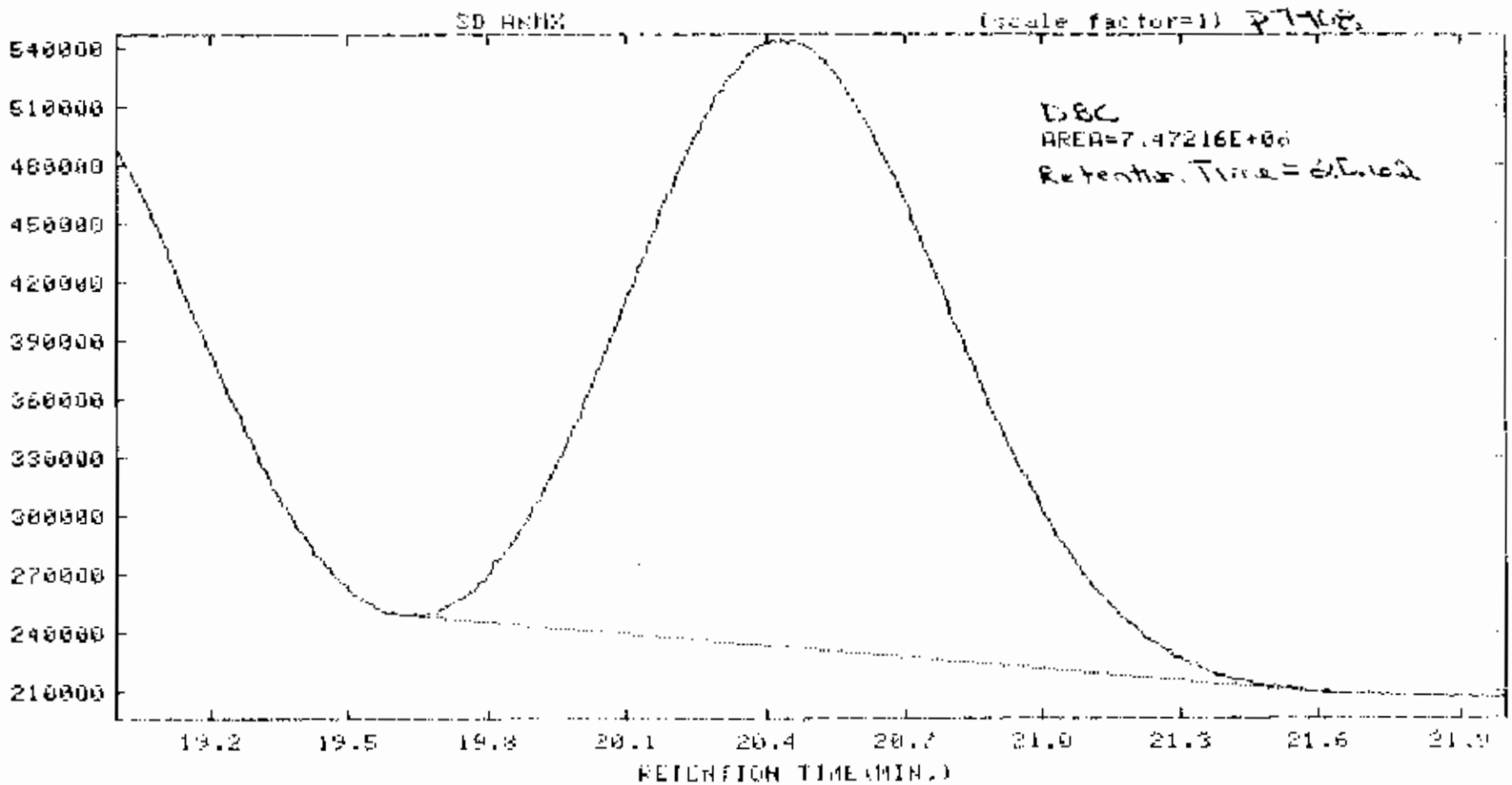
Ended not on baseline
No reference peak found

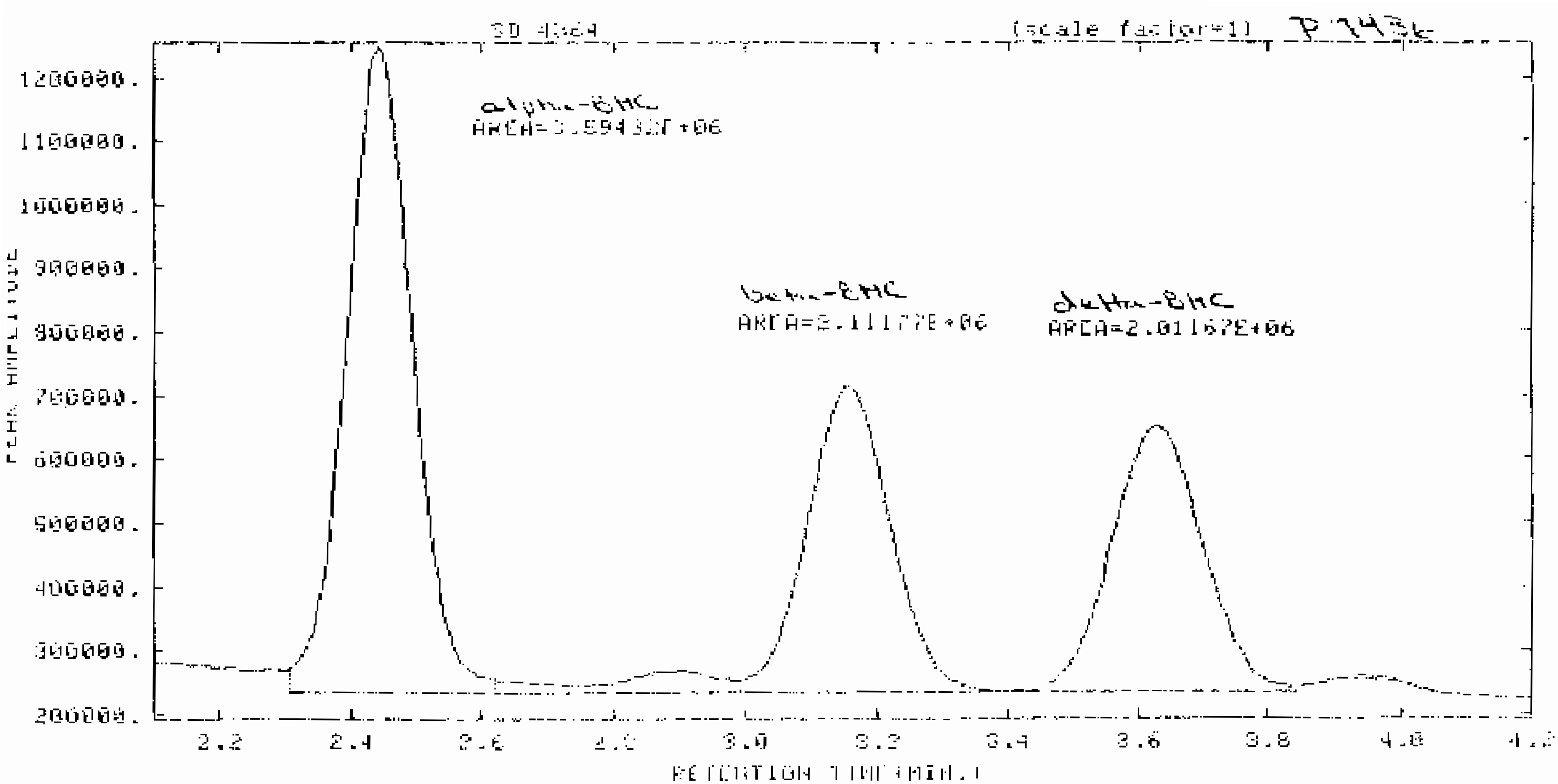
RT	ITM	Factor	Area		AREA %	Name
.44	0.00	.10000E+01	70573.	BB	.087	
.82	0.00	.10000E+01	10342458.	BS	12.804	
1.33	0.00	.10000E+01	115775.	BB	.143	
1.60	0.00	.10000E+01	137019.	BB	.170	
2.69	0.00	.10000E+01	117015.	BB	.147	
2.92	0.00	.10000E+01	2405892.	BB	2.978	
3.51	0.00	.10000E+01	2464761.	BB	3.051	
4.13	0.00	.10000E+01	2609506.	BB	3.231	
6.18	0.00	.10000E+01	2251098.	BB	2.787	
6.84	0.00	.10000E+01	4184294.	BB	5.180	
8.11	0.00	.10000E+01	5121804.	BB	6.341	
9.09	0.00	.10000E+01	1254e412.	BB	15.5??	
11.29	0.00	.10000E+01	7851?6e0.	BB	9.729	
12.85	0.00	.10000E+01	7?80764.	BB	9.?8?	
16.27	0.00	.10000E+01	11486.	BB	.014	
18.34	0.00	.10000E+01	775683.	BB	.960	
20.53	0.00	.10000E+01	16845248.	BB	20.854	
22.44	0.00	.10000E+01	4943576.	BB	6.120	

Total Area = 80776592. Total AREA % = 4943576.000

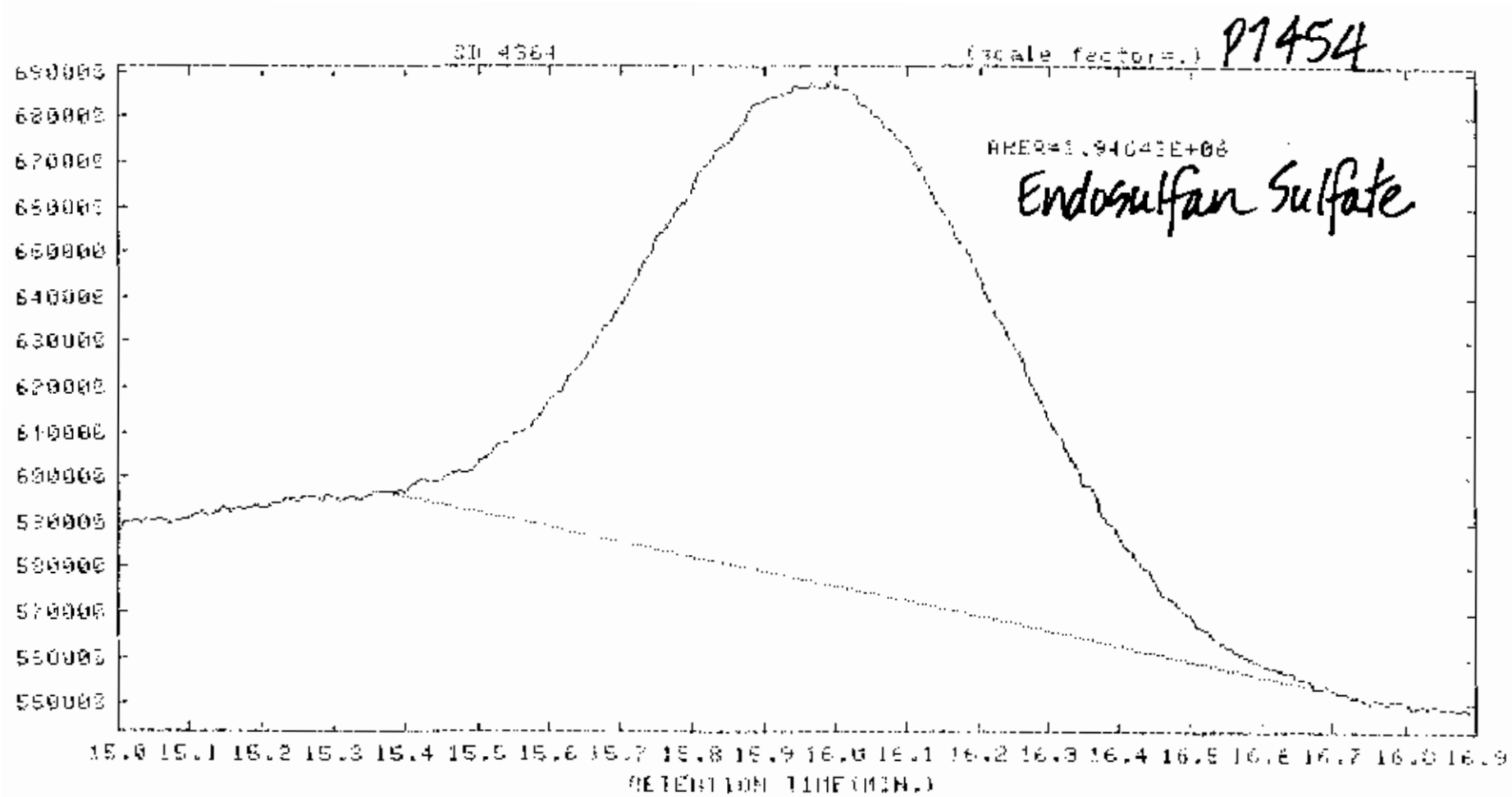
Processed data file: F7462 New data file: F7462


SD 40c4
(scale factor=1)
alpha-BHC
AREA=3.17952E+06
beta-BHC
AREA=1.98406E+06
delta-BHC
AREA=1.87417E+06
1080000.
990000.
900000.
810000.
720000.
630000.
540000.
450000.
360000.
270000.
2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 4.0 4.1
RETENTION TIME(MIN.)


SD_ANAL
(scale factor=1)
540000
510000
480000
450000
420000
390000
360000
330000
300000
270000
240000
210000
19.2
19.5
19.8
20.1
20.4
20.7
21.0
21.3
21.6
RETENTION TIME(MIN.)
D&C
AREA=7.47216E+06


(scale factor=1)
alpha-BHC
AREA=2.01167E+06
PEAK AMPLITUDE
RETENTION TIME(MIN.)

P1454


SD 4564
(scale factor=.)
AREA=1.940431E+06
Endosulfan Sulfate
690000
680000
670000
660000
650000
640000
630000
620000
610000
600000
590000
580000
570000
560000
550000
15.0 15.1 15.2 15.3 15.4 15.5 15.6 15.7 15.8 15.9 16.0 16.1 16.2 16.3 16.4 16.5 16.6 16.7 16.8 16.9
RETENTION TIME(MIN.)

I. **Pesticide Quantitation standard(s) chromatograms and data system printouts**

SEQUENCE RUN LOG - DC/QC MAY 27, 1986 9:11 PM Page 1

SEQUENCE NAME - SEQ32
CHANNEL # 3
INSTRUMENT # 11
TYPE(S) OF ANALYSIS PEST

CALIB. STD LOT DV-161
DATE STARTED _____
DATE FINISHED _____

SAMPLE NAME	B#	CASE NUMBER	EPA NUMBER	INJECTION TIME
SD EVMC	01			12:53:42 ON MAY 21, 1986
SD EVMB	02			13:21:01 ON MAY 21, 1986
SD EVMA	03			13:48:21 ON MAY 21, 1986
SD 4360	04			14:15:40 ON MAY 21, 1986
SD 4364	05			14:43:01 ON MAY 21, 1986
SD TOXA	06			15:10:20 ON MAY 21, 1986
SD TECH	07			15:37:39 ON MAY 21, 1986
SD ARMX	00			16:04:59 ON MAY 21, 1986
SD 1232	09			16:32:20 ON MAY 21, 1986
SD 1221/1254	10			16:59:40 ON MAY 21, 1986
SD 1242	11			17:26:59 ON MAY 21, 1986
SD 1248	12			17:54:18 ON MAY 21, 1986
PP 85319 D	13	5922	FD433	18:21:37 ON MAY 21, 1986
PP 85327	14	5922	FD432	18:48:57 ON MAY 21, 1986
PP 85335	15	5922	FD435	19:16:16 ON MAY 21, 1986
PP 85335	16	5922	FD436	19:43:36 ON MAY 21, 1986
PP 85336	17	5922	FD436	20:10:54 ON MAY 21, 1986
SD EVMB	18			20:38:14 ON MAY 21, 1986
PP 85336	19	5922	FD441	21:05:33 ON MAY 21, 1986
CP 85256 B1	20	URS WEST	BLANK	21:32:53 ON MAY 21, 1986
CP 84997	21	URS WEST	MS F-SEDIMEN	22:00:12 ON MAY 21, 1986
CP 84998	22	URS WEST	MSD F-SEDIME	22:27:32 ON MAY 21, 1986
CP 85102	23	URS WEST	BLANK	22:54:52 ON MAY 21, 1986
SD 4360	24			23:22:11 ON MAY 21, 1986
CP 84986	25	URS WEST	A-SEDIMENT	23:49:30 ON MAY 21, 1986
CP 84990	26	URS WEST	B-SEDIMENT	0:16:50 ON MAY 22, 1986
CP 85000	27	URS WEST	D-SEDIMENT	0:44:09 ON MAY 22, 1986
CP 85001	28	URS WEST	E-SEDIMENT	1:11:28 ON MAY 22, 1986
CP 85002	29	URS WEST	F-SEDIMENT	1:38:47 ON MAY 22, 1986
SD EVMB	30			2:06:06 ON MAY 22, 1986
CP 85003	31	URS WEST	G-SEDIMENT	11:45.52 ON MAY 22, 1986
CP 85004	32	URS WEST	H-SEDIMENT	3:00.45 ON MAY 22, 1986
CP 85005	33	URS WEST	C-SEDIMENT	3:28:05 ON MAY 22, 1986
CP 84802R SS	34	W.CLYDE	MS MW-13	3:55:25 ON MAY 22, 1986

SEQUENCE RUN LOG - QC/QA MAY 27, 1986 9:11 PM PAGE 2

SEQUENCE NAME - SEQ32
CHANNEL # 3
INSTRUMENT # ??
TYPE(S) OF ANALYSTS PEST

CALIB. STD LOT OV-101
DATE STARTED
DATE FINISHED

SAMPLE NAME	B#	CASE NUMBER	EPA NUMBER	INJECTION TIME
CP 84883R SS	35	W.CLYDE	MSD MW-13	4:22:44 ON MAY 22, 1986
SD 4364	36			4:50:03 ON MAY 22, 1986
CP 85621 B	37	W.CLYDE	BLANK	5:17:22 ON MAY 22, 1986
CP 85772 SS	38	5811-3	MS HA693	5:44:42 ON MAY 22, 1986
CP 85773 SS	39	5811-3	MSD HA093	6:12:01 ON MAY 22, 1986
CP 85766 D	40	5811-3	HA893	6:39:21 ON MAY 22, 1986
CP 85619 B	41	5811-3	BLANK	7:06:41 ON MAY 22, 1986
SD EVMB	42			7:34:02 ON MAY 22, 1986
CP 85564	43	E C JOR-2	DW-4	8:01:22 ON MAY 22, 1986
CP 85566	44	E C JOR-2	DW-2	8:28:42 ON MAY 22, 1986
CP 85575	45	E C JOR-2	MW-2	8:56:02 ON MAY 22, 1986
CP 85798 B	46	E C JOR-2	BLANK	9:23:22 ON MAY 22, 1986
PP 86142 B2	47	5936	BLANK	9:50:42 ON MAY 22, 1986
SD 4360	48			11:16:07 ON MAY 22, 1986
PP 85696	49	5936	G1195	12:19:35 ON MAY 22, 1986
PP 85906	50	5936	G1196	12:55:44 ON MAY 22, 1986
PP 85907 BS	51	5936	BS	13:43:11 ON MAY 22, 1986
PP 85908 SS	52	5936	MS G1197	14:10:31 ON MAY 22, 1986
PP 85969 SS	53	5936	MSD G1197	14:37:51 ON MAY 22, 1986
SD EVMB	54			15:05:10 ON MAY 22, 1986
PP 85913 D	55	5936	G1197	15:32:31 ON MAY 22, 1986
PP 85914	56	5936	G1198	15:59:50 ON MAY 22, 1986
PP 85915	57	5936	G1199	16:27:10 ON MAY 22, 1986
PP 86024	58	5936	G1191	16:54:30 ON MAY 22, 1986
PP 86025	59	5936	G1192	17:21:50 ON MAY 22, 1986
SD 4364	60			17:49:09 ON MAY 22, 1986
PP 86026	61	5936	G1194	18:16:29 ON MAY 22, 1986
PP 86027	62	5936	G1203	18:43:49 ON MAY 22, 1986
PP 86028	63	5936	G1204	19:11:09 ON MAY 22, 1986
PP 86141 B1	64	5936	BLANK	19:38:29 ON MAY 22, 1986
PP 86110 B1	65	5922	BLANK	20:05:49 ON MAY 22, 1986
SD EVMB	66			20:33:09 ON MAY 22, 1986
PP 86119 B2	67	5922	BLANK	21:00:29 ON MAY 22, 1986
PP 85934 BS	68	5922	BS	21:27:49 ON MAY 22, 1986

SEQUENCE RUN LOG - QC/QA MAY 27, 1986 9:11 PM PAGE 3

SEQUENCE NAME - SEQ32
CHANNEL # 3
INSTRUMENT # 77
TYPE(S) OF ANALYSIS PEST

CALIB. STD LOT OV-101
DATE STARTED _____
DATE FINISHED _____

L.U. REF 16

SAMPLE NAME	B#	CASE NUMBER	EPA NUMBER	INJECTION TIME
PP 85332 SS	69	5922	MS FD433	8:53:48 ON MAY 23, 1986
PP 85334 SS	70	5922	MSD FD433	9:21:07 ON MAY 23, 1986
TRACE TEST	71			0:32:56 ON MAY 23, 1986
SD 4360	72			1:00:16 ON MAY 23, 1986
PP 86667 B2	73	E C JOR-2	BLANK	1:27:36 ON MAY 23, 1986
PP 86666 B1	74	5698	BLANK	1:54:56 ON MAY 23, 1986
PP 85576R	75	E C JOR-2	WW-1	2:22:15 ON MAY 23, 1986
PP 85889R SS	76	5698	MSD DC565	2:49:35 ON MAY 23, 1986
PP 85888R SS	77	5690	MS DC565	3:16:55 ON MAY 23, 1986
SD EVMD	78			3:44:15 ON MAY 23, 1986
PP 86440 B2	79	MIDCO-1	BLANK	4:11:35 ON MAY 23, 1986
PP 86439 B1	80	5964	BLANK	4:38:54 ON MAY 23, 1986
PP 86213 BS	81	MIDCO-1	BS	5:06:14 ON MAY 23, 1986
PP 86214 SS	82	MIDCO-1	MS 1WG10E2	5:33:33 ON MAY 23, 1986
PP 86215 SS	83	MIDCO-1	MSD 1WG10E2	6:00:52 ON MAY 23, 1986
SD 4364	84			6:28:11 ON MAY 23, 1986
PP 86206 0	85	MIDCO-1	1WG16E2	6:55:30 ON MAY 23, 1986
PP 86242	86	MIDCO-1	1WG30E2	7:22:49 ON MAY 23, 1986
PP 86247	87	MIDCO-1	1UG1MW2	7:50:09 ON MAY 23, 1986
PP 86172 BS	88	5964	BS	8:17:29 ON MAY 23, 1986
PP 86173 SS	89	5964	MS YA402	9:52:54 ON MAY 23, 1986
SD EVMB	90			10:20:14 ON MAY 23, 1986
PP 86174 SS	91	5964	MSD YA402	10:47:33 ON MAY 23, 1986
PP 86175 0	92	5964	YA402	11:14:53 ON MAY 23, 1986
PP 86179	93	5964	YA403	11:42:12 ON MAY 23, 1986
PP 86180	94	5964	YA404	12:09:32 ON MAY 23, 1986
PP 86181	95	5964	YA406	12:36:52 ON MAY 23, 1986
SD 4369	96			13:04:11 ON MAY 23, 1986
PP 86166	97	5964	YA401	13:31:30 ON MAY 23, 1986
PP 86168	98	5964	YA408	13:58:50 ON MAY 23, 1986
CP 86124	99	5955-2	BLANK	14:26:09 ON MAY 23, 1986
CP 05839 0	01	5955-2	BE008	14:53:28 ON MAY 23, 1986
CP 85840 SS	02	5955-2	MS RE060	15:20:47 ON MAY 23, 1986
SD EVMB	03			15:48:06 ON MAY 23, 1986

SEQUENCE RUN LOG - GC/GA MAY 27, 1986 7:21 PM Page 4

SEQUENCE NAME - SEQ32
CHANNEL # 3
INSTRUMENT # 22
TYPE(S) OF ANALYSIS PEST

CALIB. STD LOT OV-101
DATE STARTED _____
DATE FINISHED _____

A.U. REF 16

SAMPLE NAME	#	CASE NUMBER	EPA NUMBER	INJECTION TIME
CP 85847 SS	04	5955-2	MOD 8260	16:22:47 ON MAY 23, 1986
PP 85893 D	05	5698	DC565	16:50:06 ON MAY 23, 1986
PP 85888R SS	06	5698	MD DC565	17:17:25 ON MAY 23, 1986
PP 85889R SS	07	5698	MOD DC565	17:44:45 ON MAY 23, 1986
SD 4364	08			18:12:05 ON MAY 23, 1986
SD ARMX L	09			18:39:24 ON MAY 23, 1986
SD ARMX M	10			19:06:43 ON MAY 23, 1986
SD ARMX H	11			19:34:03 ON MAY 23, 1986

5-27-86

STANDARD COMPOUND CONCENTRATION

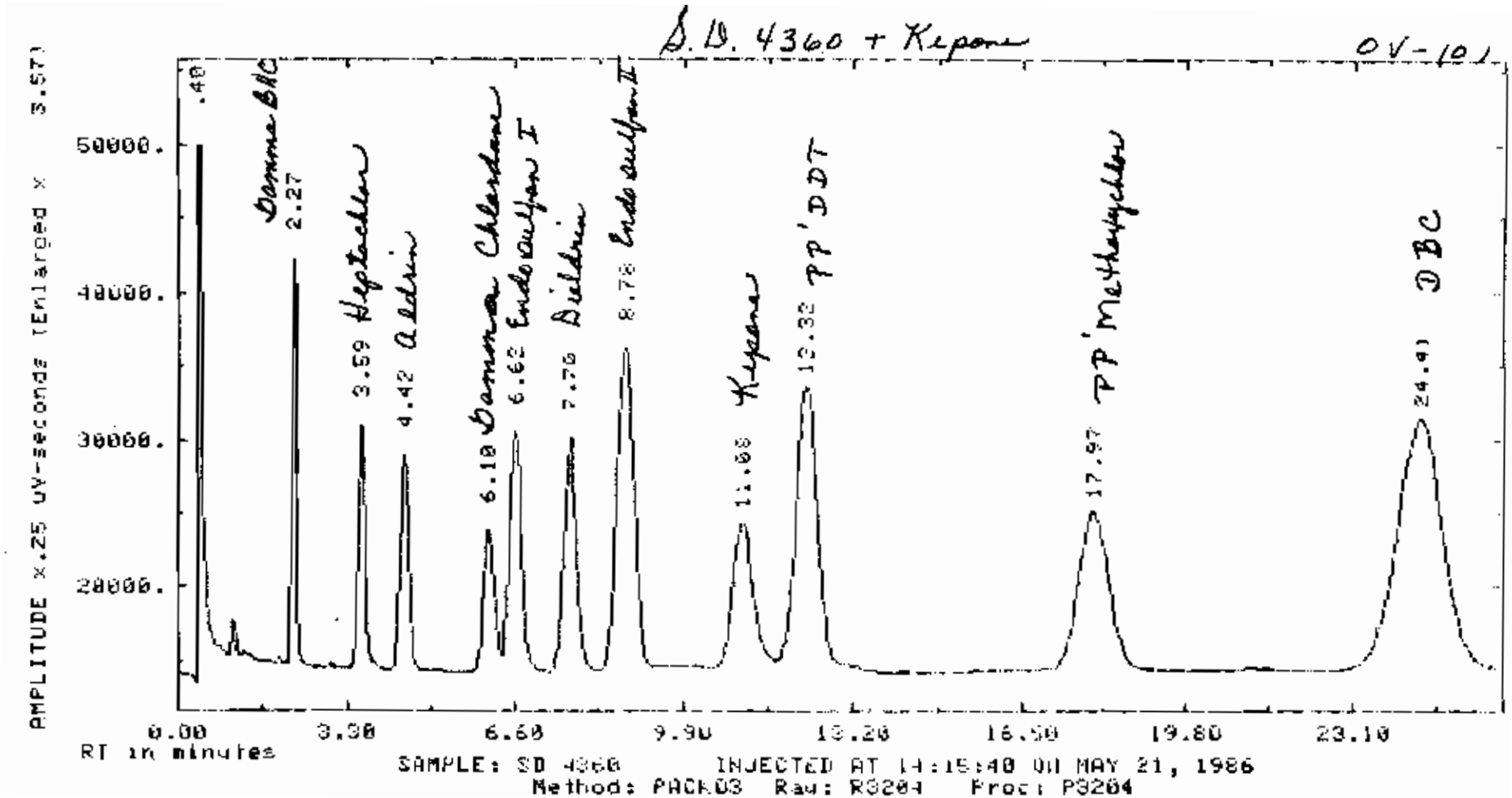
COMPOUNDS	CONCENTRATION (ug/ml)
STD 4360	
Gamma BHC	0.01
Heptachlor	0.01
Aldrin	0.01
Gamma Chlordane	0.01
Endosulfan I	0.02
Dieldrin	0.02
Endosulfan II	0.04
PP'DDT	0.06
PP'Methoxychlor	0.10
STD 4364	
Alpha BHC	0.01
Beta BHC	0.02
Delta BHC	0.01
Heptachlor Epoxide	0.01
Alpha Chlordane	0.02
PP'DDE	0.02
Endrin	0.04
pp'DDD	0.04
Endrin Aldehyde	0.04
Endosulfan Sulfate	0.04
Endrin Ketone	0.10
MULTI PEAK STDS	
Aroclor 1221	1.0
Aroclor 1232	0.70
Aroclor 1016	0.30
Aroclor 1242	0.40
Aroclor 1248	0.40
Aroclor 1254	0.30
Aroclor 1260	0.30
Toxaphene	1.00
Tech Chlordane	0.20

QA NOTICE FOR PCB 1221 + PCB 1254 STANDARDS

CompuChem, in a telephone conversation with Dr. Fred Haeberer on 10/2/84, received permission to allow the laboratory to run standard mixtures containing PCB 1221 and PCB 1254. At that time, Dr. Haeberer was the Organics Project Manager for the Contract Laboratory Program (CLP). Permission was granted since, in one injection, proper resolution of the two standards could be obtained.

This notice serves to provide an explanation for delivering a single standard chromatogram containing both PCB 1221 and PCB 1254.

Robert E. Meierer March 24, 1986
Director of Quality Assurance


S.D. 4360 + Kepone
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 3.57)
50000.
40000.
30000.
20000.
.40
Gamma BHC
2.27
3.59 Heptachlor
4.42 Aldrin
6.10 Gamma Chlordane
6.62 Endosulfan I
7.76 Dieldrin
8.78 Endosulfan II
11.68 Kepone
12.32 PP'DDT
17.97 PP'Methoxychlor
24.41 DBC
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4360 INJECTED AT 14:15:40 ON MAY 21, 1986
Method: PACK03 Raw: R0204 Proc: P0204

Report: 360.00 Channel: 3

Sample: SD 4360 Injected at 14:13:46 ON MAY 21, 1990

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/ 4 Bil: 4

Sl-width	HV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Wdth-F	Iso
NO	0.00	0	.36	5.0	100.00	NO

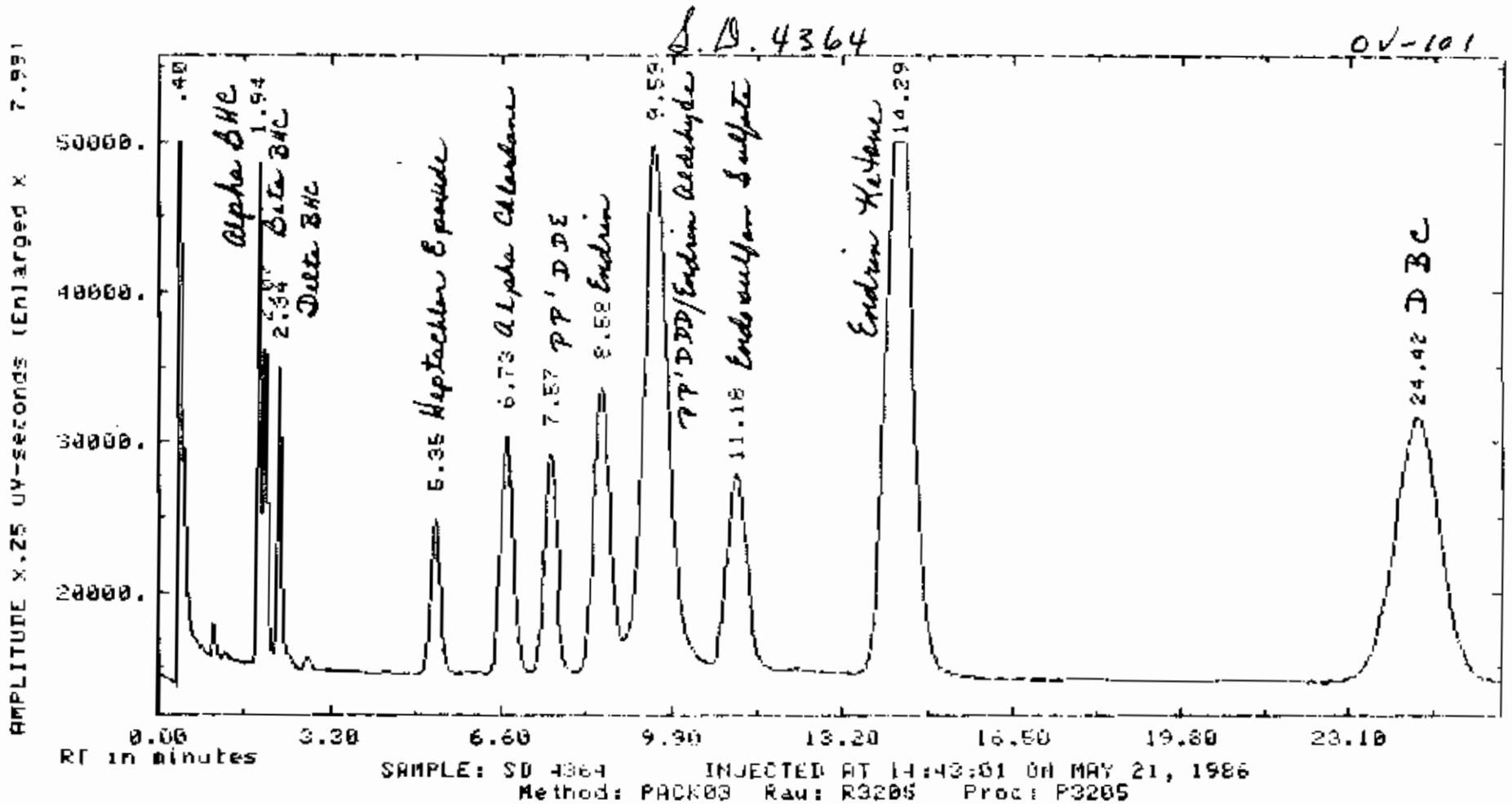
Actual run time: 26.008 minutes.

Ended not on baseline

RT	ITH	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	197521.	BS	8.996	
2.27	0.00	.10000E+01	85509.	BB	3.894	
3.59	0.00	.10000E+01	79530.	BB	3.622	
4.42	0.00	.10000E+01	82389.	BB	3.752	
6.10	0.00	.10000E+01	62166.	BL	2.830	
6.62	0.00	.10000E+01	121328.	BB	5.526	
7.70	0.00	.10000E+01	150640.	BB	6.861	
8.78	0.00	.10000E+01	238334.	BB	10.855	
11.08	0.00	.10000E+01	132006.	BB	6.012	
12.32	0.00	.10000E+01	274441.	BB	12.499	
17.97	0.00	.10000E+01	239122.	bb	10.891	
24.41	0.00	.10000E+01	532734.	BF	24.263	

Total Area = 2195662. Total AREA % = 532734.500

Processed data file: P3204 Raw data file: R3204


S.D. 4364
OV-101
AMPLITUDE X.25 UV-seconds (Enlarged X 7.991
50000.
40000.
30000.
20000.
.40
Alpha BHC
1.94
2.34
Beta BHC
Delta BHC
5.35 Heptachlor Epoxide
6.73 Alpha Chlordane
7.57 PP' DDE
8.58 Endrin
9.59
PP' DDD/Endrin Aldehyde
11.18 Endosulfan Sulfate
Endrin Ketone
14.29
24.42 DBC
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 4364 INJECTED AT 14:43:01 ON MAY 21, 1986
Method: PACK03 Raw: R3205 Proc: P3205

Report: 361.00 Channel: 3

Sample: SD 4364 Injected at 14:43:01 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 . Subsq/Samp: 1/ 5 Bil: 5

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTw	ZDil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 26.017 minutes

Ended not on baseline

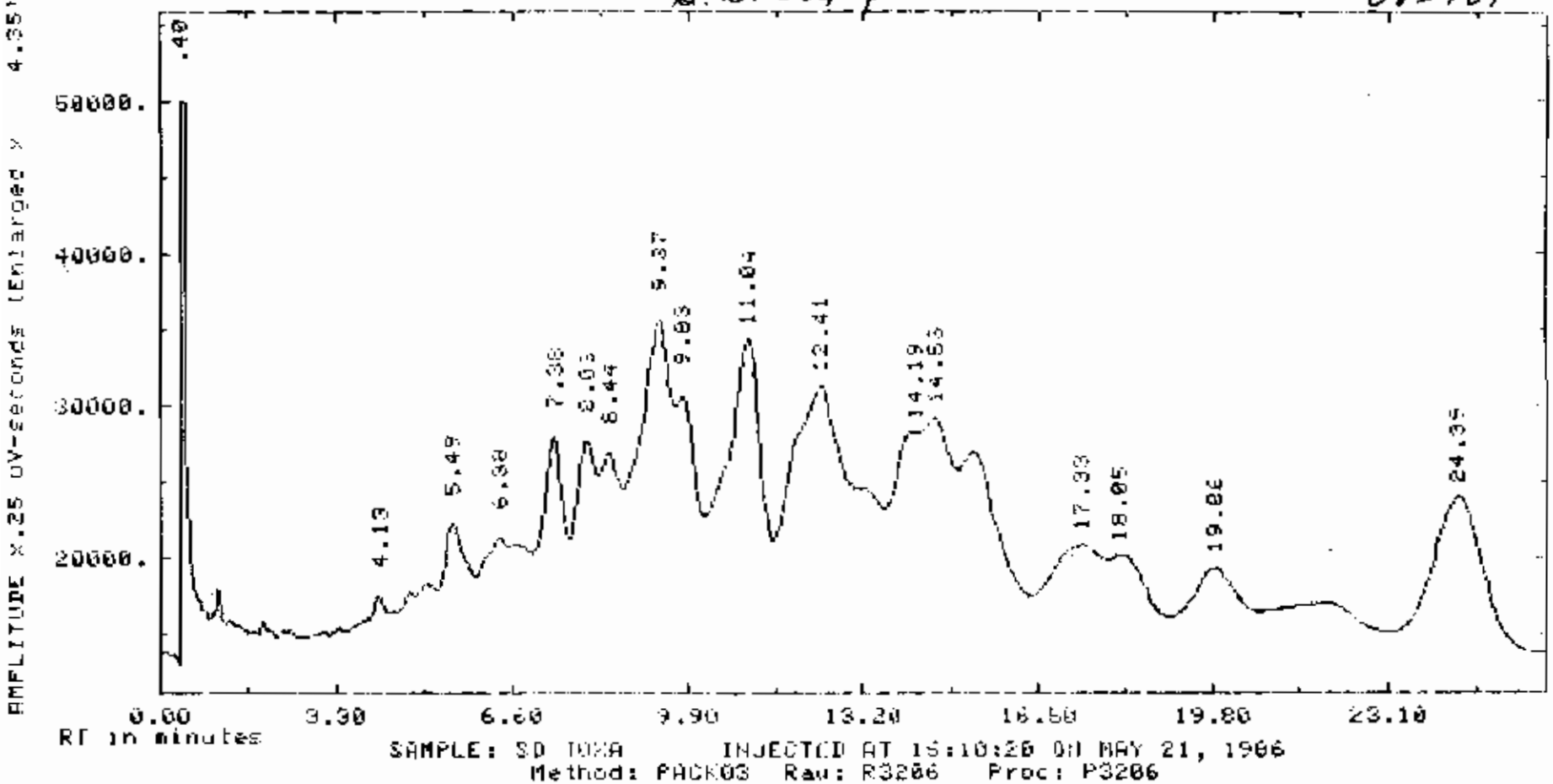
RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	259862.	BB	9.070	
1.94	0.00	.10000E+01	55387.	BB	1.933	
2.07	0.00	.10000E+01	26816.	BB	.936	
2.34	0.00	.10000E+01	60455.	BB	2.110	
5.35	0.00	.10000E+01	69364.	BB	2.421	
6.73	0.00	.10000E+01	134227.	BB	4.685	
7.57	0.00	.10000E+01	133065.	BB	4.645	
8.58	0.00	.10000E+01	177139.	BB	6.183	
9.59	0.00	.10000E+01	521294.	BB	18.195	
11.18	0.00	.10000E+01	173075.	BB	6.041	
14.29	0.00	.10000E+01	704665.	BB	24.597	
24.42	0.00	.10000E+01	549607.	BB	19.184	

Total Area = 2864978. Total AREA % = 549607.500

Processed data file: P3205 Raw data file: R3205

S. D. Toxaphene

OV-101



Report: 362.00 Channel: 3

Sample: SD TOXA Injected at 15:10:20 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/ 6 Btl: 6

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dif-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 26.017 minutes

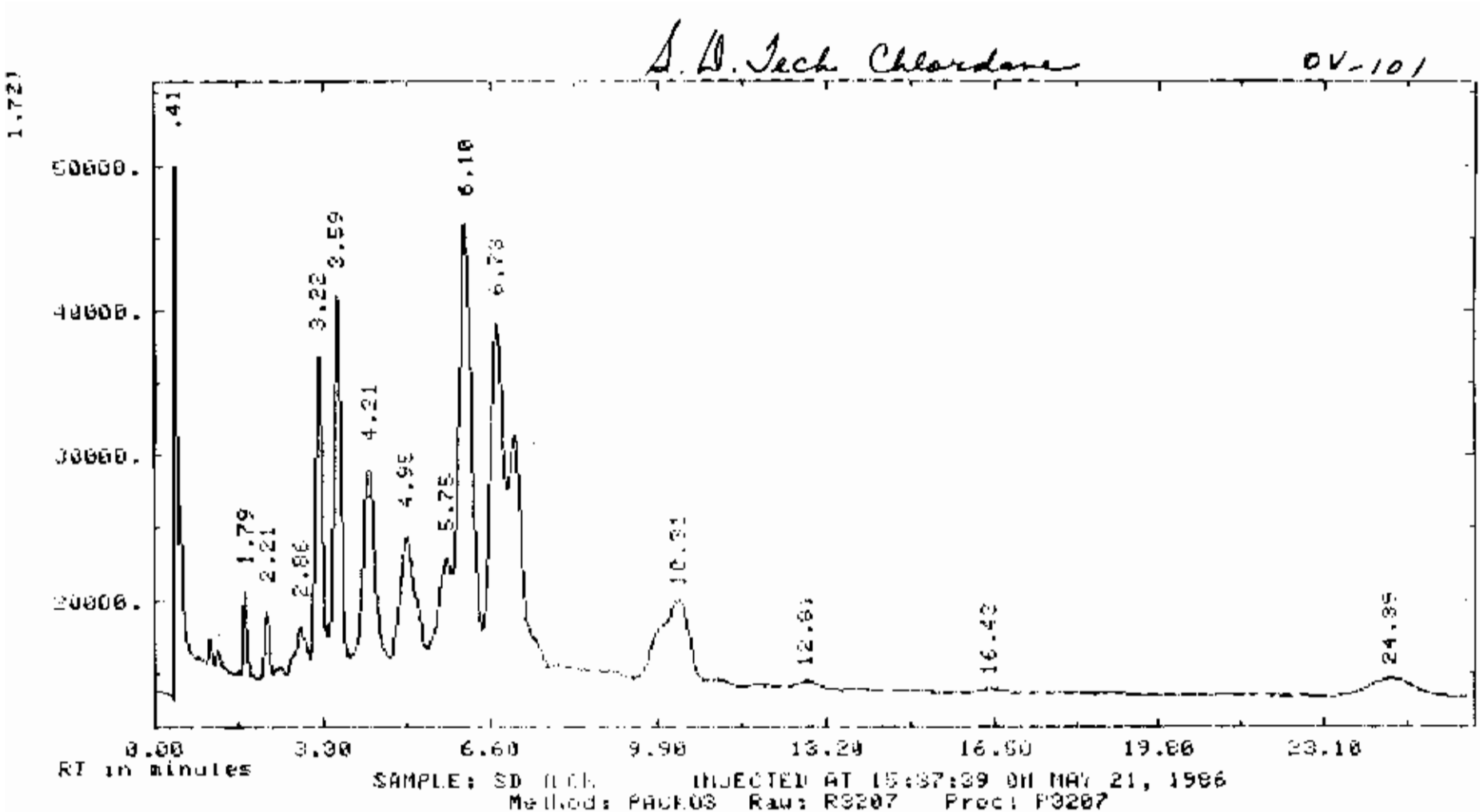
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	299104.	BS	21.005	
4.13	0.00	.10000E+01	8995.	BB	.632	
5.49	0.00	.10000E+01	38637.	BB	2.713	
6.38	0.00	.10000E+01	9861.	BB	.693	
7.38	0.00	.10000E+01	62471.	BB	4.387	
8.03	0.00	.10000E+01	31756.	BB	2.230	
8.44	0.00	.10000E+01	13148.	BB	.923	
9.37	0.00	.10000E+01	90679.	BB	6.368	
9.83	0.00	.10000E+01	15953.	BB	1.120	
11.04	0.00	.10000E+01	205601.	BB	14.438	
12.41	0.00	.10000E+01	201020.	BB	14.117	
14.19	0.00	.10000E+01	7748.	BB	.544	
14.53	0.00	.10000E+01	21023.	BB	1.476	
17.33	0.00	.10000E+01	43667.	BB	3.067	
18.05	0.00	.10000E+01	17028.	BB	1.196	
19.86	0.00	.10000E+01	69556.	BB	4.885	
24.39	0.00	.10000E+01	287757.	BF	20.208	

Total Area = 1424000. Total AREA % = 287756.750

Processed data file: P3206 Raw data file: R3206

S.D. Tech Chlordane OV-101



Report: 363.00 Channel: 3

Sample: SD TECH Injected at 15:37:39 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/ 7 Btl: 7

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-f	Isu
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 26.008 minutes

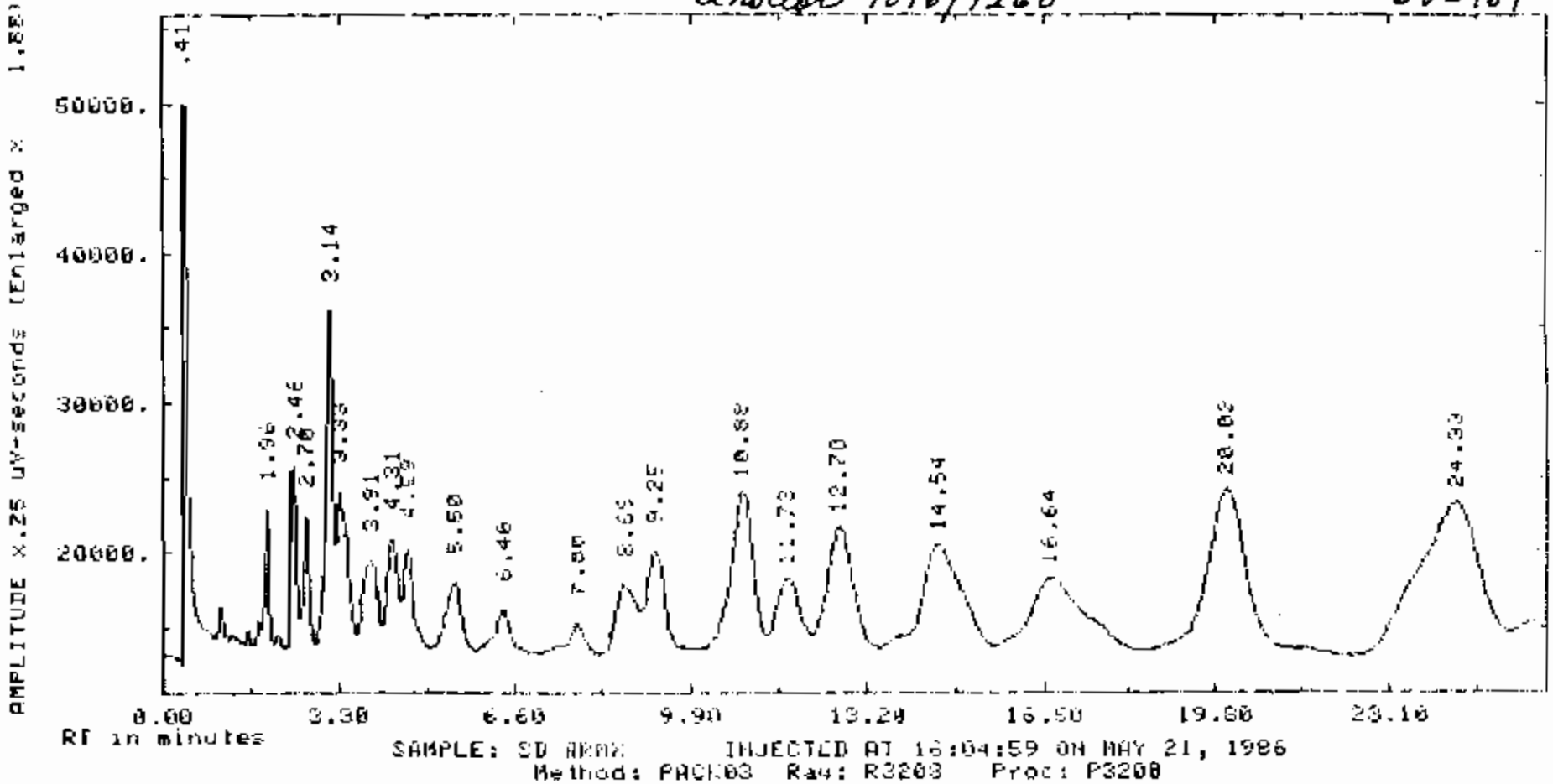
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.41	0.00	.10000E+01	68388.	BB	7.321	
1.79	0.00	.10000E+01	13320.	BB	1.426	
2.21	0.00	.10000E+01	12307.	BB	1.318	
2.86	0.00	.10000E+01	16114.	BB	1.725	
3.22	0.00	.10000E+01	82611.	bB	8.844	
3.59	0.00	.10000E+01	105682.	BB	11.314	
4.21	0.00	.10000E+01	97067.	BB	10.392	
4.95	0.00	.10000E+01	75014.	BB	8.031	
5.75	0.00	.10000E+01	8141.	BB	.872	
6.10	0.00	.10000E+01	201930.	BB	21.619	
6.73	0.00	.10000E+01	101747.	BB	10.893	
10.31	0.00	.10000E+01	102751.	BB	11.000	
12.81	0.00	.10000E+01	6527.	BB	.699	
16.43	0.00	.10000E+01	5353.	BB	.573	
24.39	0.00	.10000E+01	37091.	BB	3.971	

Total Area = 934091. Total AREA % = 37090.750

Processed data file: P3207 Raw data file: P3207

Aroclor 1016/1260 OV-101



Report: 364.00 Channel: 3

Sample: SD ARMX Injected at 16:04:59 ON MAY 21, 1980

ZERO Method: PACK03 Seq. SEQ32 . Subsq/Samp: 1/ 6 Btl. 8

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unn	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-f	Isr
NO	0.00	0	.30	5.0	100.00	NO

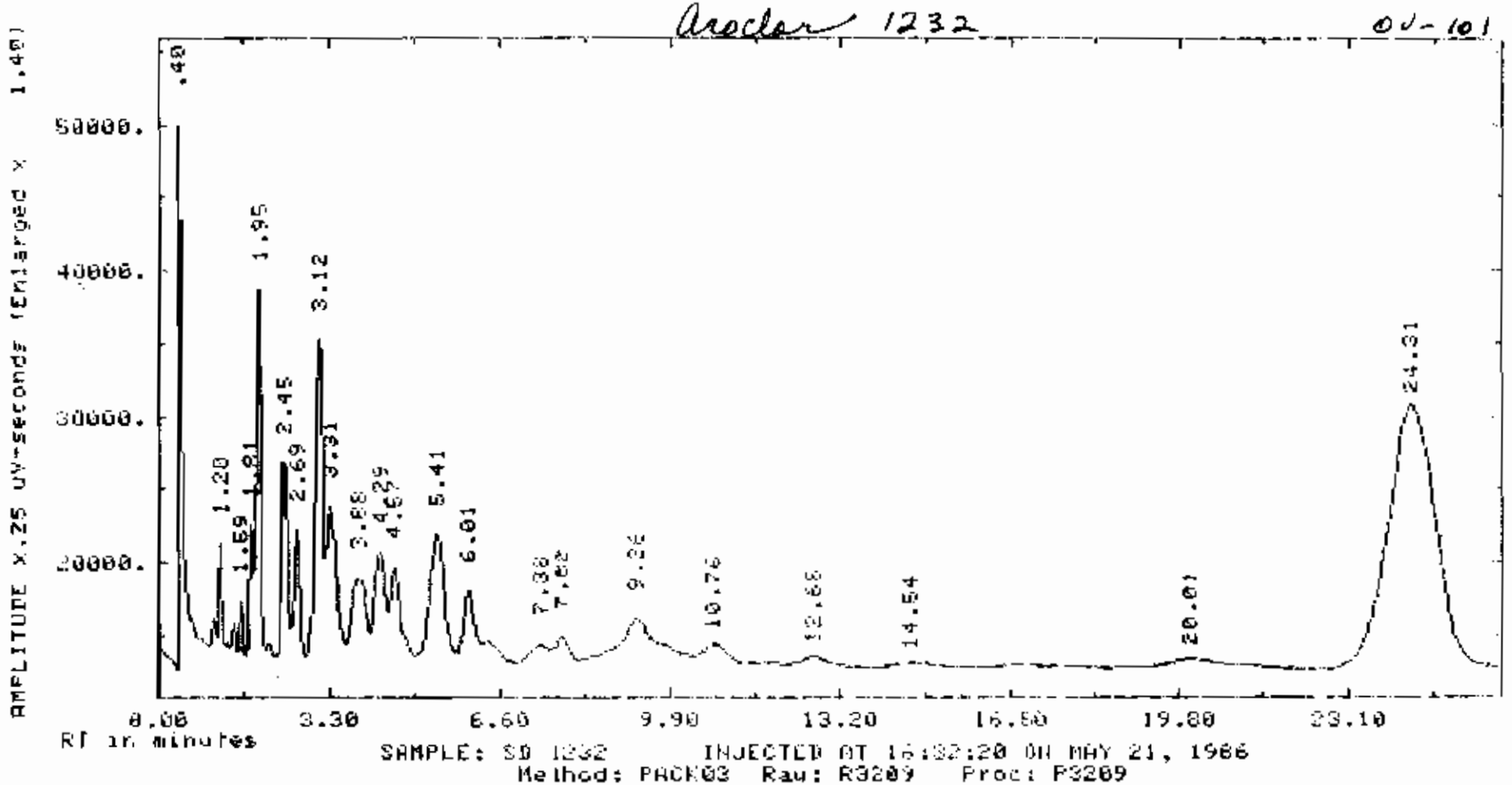
Actual run time: 26.005 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.41	0.00	.10000E+01	143649.	BB	8.096	
1.96	0.00	.10000E+01	21582.	BB	1.216	
2.46	0.00	.10000E+01	35175.	BB	1.982	
2.70	0.00	.10000E+01	23254.	BB	1.311	
3.14	0.00	.10000E+01	65428.	BB	3.687	
3.33	0.00	.10000E+01	25889.	BB	1.459	
3.91	0.00	.10000E+01	36469.	BB	2.052	
4.31	0.00	.10000E+01	24310.	BB	1.370	
4.59	0.00	.10000E+01	18937.	BB	1.067	
5.50	0.00	.10000E+01	42909.	BB	2.418	
6.40	0.00	.10000E+01	27675.	BB	1.560	
7.80	0.00	.10000E+01	24469.	BB	1.379	
8.69	0.00	.10000E+01	23021.	BB	1.297	
9.23	0.00	.10000E+01	31772.	BB	1.791	
10.88	0.00	.10000E+01	139917.	BB	7.886	
11.73	0.00	.10000E+01	44336.	BB	2.498	
12.70	0.00	.10000E+01	115415.	BB	6.505	
14.54	0.00	.10000E+01	140009.	BB	7.891	
16.64	0.00	.10000E+01	155273.	BB	8.751	
20.02	0.00	.10000E+01	291033.	BB	16.403	
24.33	0.00	.10000E+01	343833.	BB	19.379	

Total Area = 1774286. Total AREA % = 343833.734

Processed data file: P3208 Raw data file: R3208


Aroclor 1232
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 1.40)
50000.
40000.
30000.
20000.
.40
1.20
1.59
1.81
1.95
2.45
2.69
3.12
3.31
3.88
4.29
4.67
5.41
6.01
7.38
7.82
9.26
10.76
12.66
14.54
20.01
24.31
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 1232 INJECTED AT 16:32:20 ON MAY 21, 1986
Method: PACK03 Raw: R3209 Proc: P3209

Report: 365.00 Channel: 3

Sample: SD 1232 Injected at 16:32:20 ON MAY 21, 1986

ZERO Method: PACK03 Seq SEQ32 Subsq/Samp. 1/ 9 Btl: 9

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dil-F	Iso
NO	0.00	0	.30	5.0	100.00	NO

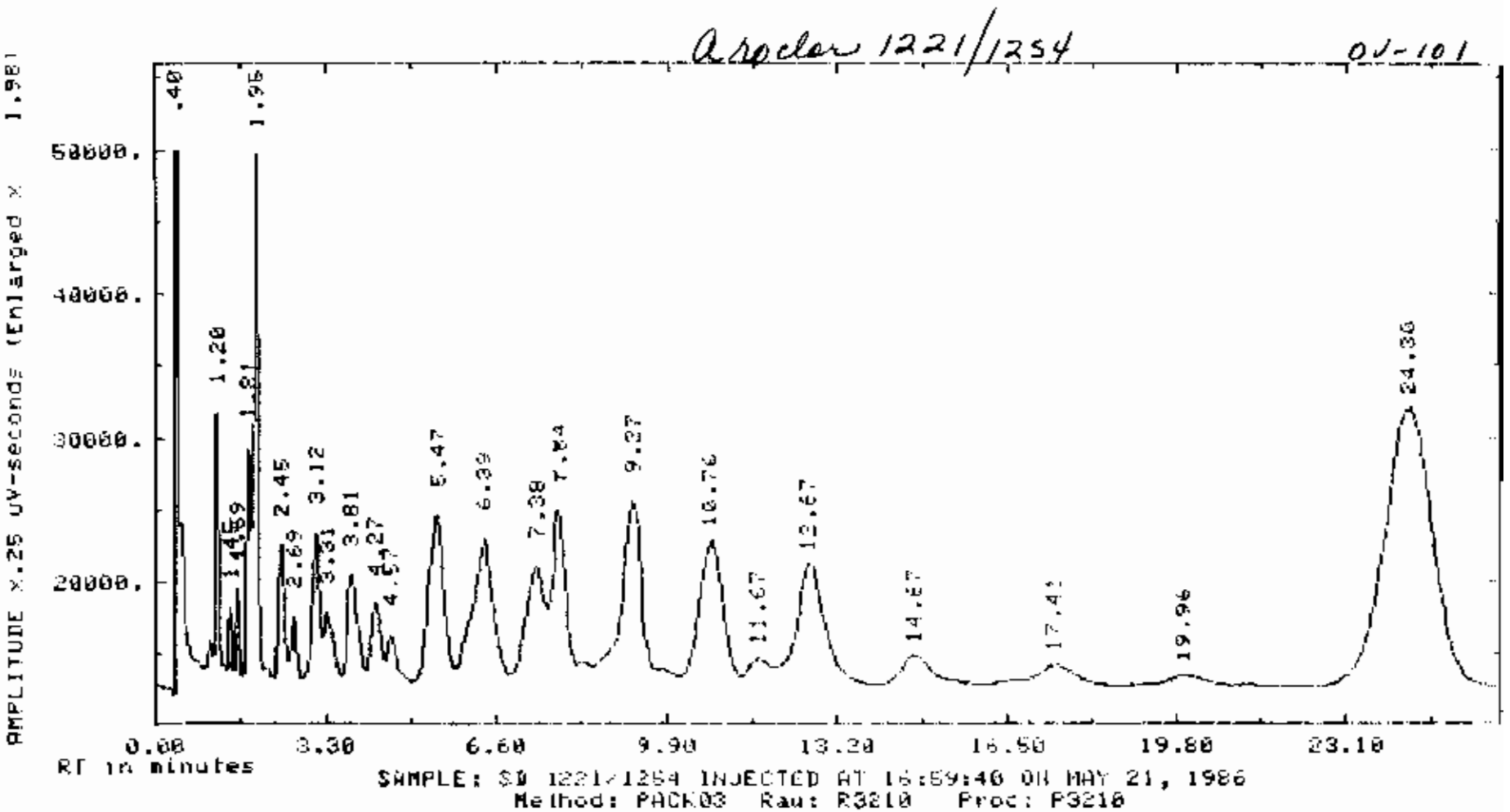
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	86323.	BB	7.295	
1.20	0.00	.10000E+01	9611.	BB	.812	
1.59	0.00	.10000E+01	6770.	BB	.572	
1.81	0.00	.10000E+01	7158.	BB	.605	
1.95	0.00	.10000E+01	54377.	BB	4.596	
2.45	0.00	.10000E+01	40141.	BB	3.392	
2.69	0.00	.10000E+01	22719.	BB	1.920	
3.12	0.00	.10000E+01	6340.	BB	.536	
3.31	0.00	.10000E+01	26310.	BB	2.224	
3.88	0.00	.10000E+01	3[illegible].	BB	.[illegible]	
4.29	0.00	.10000E+01	23[illegible].	BB	1.96[illegible]	
4.57	0.00	.10000E+01	16[illegible].	BB	1.3[illegible]	
5.41	0.00	.10000E+01	75263.	BB	6.361	
6.01	0.00	.10000E+01	25469.	BB	2.152	
7.38	0.00	.10000E+01	5097.	BB	.431	
7.82	0.00	.10000E+01	8577.	BB	.725	
9.26	0.00	.10000E+01	59577.	BB	5.035	
10.76	0.00	.10000E+01	14724.	BB	1.244	
12.68	0.00	.10000E+01	8733.	BB	.738	
14.54	0.00	.10000E+01	7796.	BB	.659	
20.01	0.00	.10000E+01	27[illegible].	BB	2.[illegible]	
24.31	0.00	.10000E+01	562705.	BB	47.555	

Total Area = 1183265. Total AREA % = 562705.500

Processed data file: P3209 Raw data file: R3209


Aroclor 1221/1254
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 1.98)
50000.
40000.
30000.
20000.
.40
1.20
1.81
1.95
2.45
2.69
3.12
3.31
3.81
4.27
4.57
5.47
6.39
7.38
7.84
9.27
10.76
11.67
12.67
14.67
17.41
19.96
24.36
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 1221/1254 INJECTED AT 16:59:40 ON MAY 21, 1986
Method: PACK03 Raw: R3210 Proc: P3210

Report: 366.00 Channel: 3

Sample: SD 1221/1254 Injected at 16:57:40 ON MAY 21, 1986

ZERO Method: PACK03 Seq. SEQ32 . Subsq/Samp: 1/10 Btl: 10

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTw	%RTw	%Dif-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

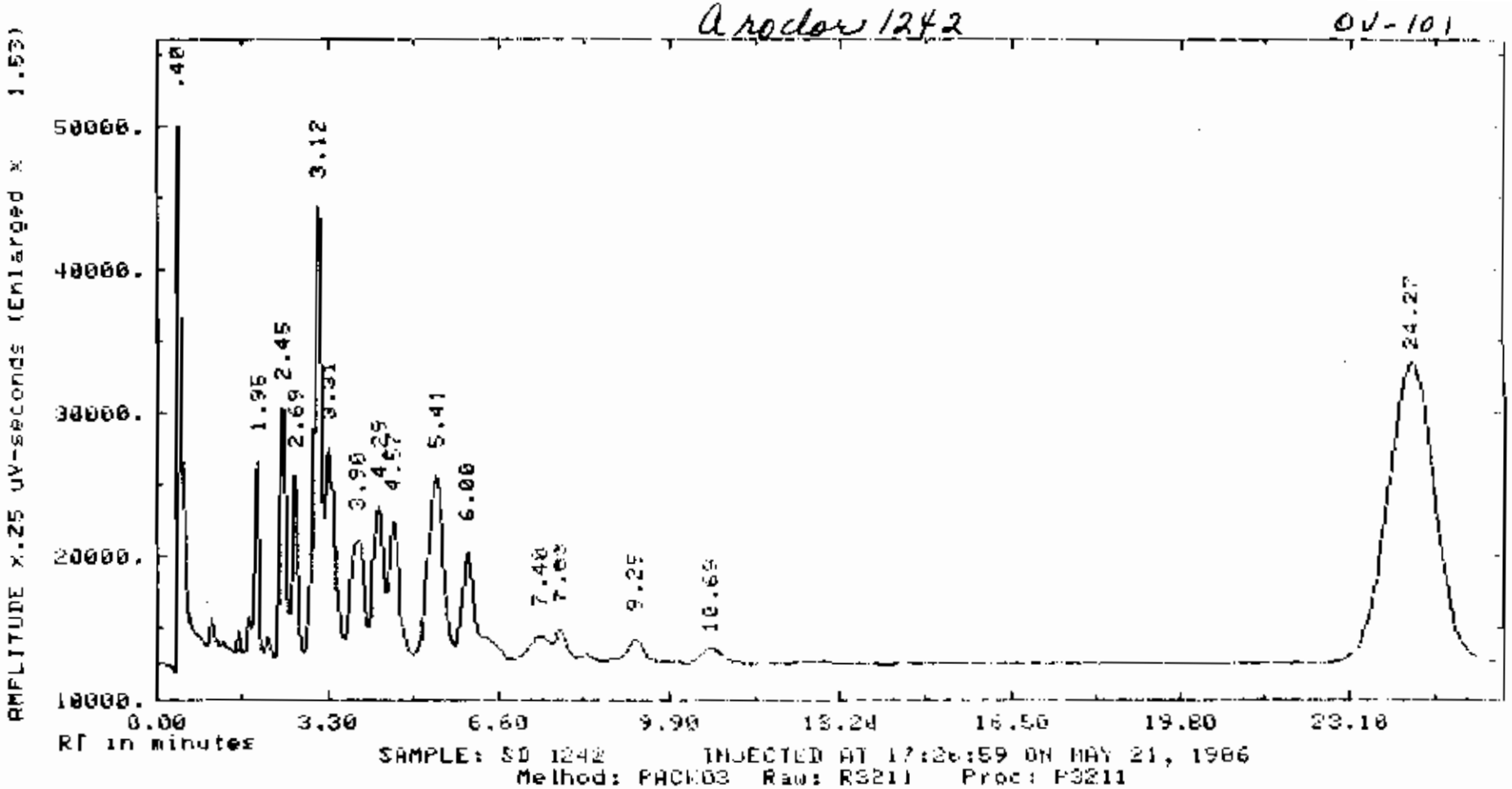
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	101846.	BB	5.505	
1.20	0.00	.10000E+01	28680.	BB	1.550	
1.45	0.00	.10000E+01	7691.	BB	.416	
1.59	0.00	.10000E+01	11710.	BB	.633	
1.81	0.00	.10000E+01	13903.	BB	.751	
1.95	0.00	.10000E+01	74117.	BB	4.006	
2.45	0.00	.10000E+01	29526.	BB	1.596	
2.69	0.00	.10000E+01	10548.	BB	.570	
3.12	0.00	.10000E+01	30054.	BB	1.624	
3.31	0.00	.10000E+01	10939.	BB	.591	
3.81	0.00	.10000E+01	40744.	BB	2.202	
4.22	0.00	.10000E+01	20254.	BB	1.122	
4.57	0.00	.10000E+01	9351.	BB	.505	
5.47	0.00	.10000E+01	105961.	BB	5.728	
6.39	0.00	.10000E+01	121513.	BB	6.568	
7.38	0.00	.10000E+01	32320.	BB	1.747	
7.84	0.00	.10000E+01	65705.	BB	3.551	
9.27	0.00	.10000E+01	139994.	BB	7.566	
10.76	0.00	.10000E+01	142052.	BB	7.678	
11.67	0.00	.10000E+01	7233.	BB	.391	
12.67	0.00	.10000E+01	124200.	BB	6.716	
14.67	0.00	.10000E+01	41605.	BB	2.249	
17.41	0.00	.10000E+01	39126.	BB	2.115	
19.96	0.00	.10000E+01	22013.	BB	1.190	
24.30	0.00	.10000E+01	618540.	BB	33.431	

Total Area = 1850193. Total AREA % = 6165Ev.250

Processed data file: P3210 Raw data file: R3210


Aroclor 1242
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 1.53)
50000.
40000.
30000.
20000.
10000.
.40
1.95
2.45
2.69
3.12
3.31
3.90
4.25
4.57
5.41
6.08
7.40
7.62
9.25
10.65
24.27
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 1242 INJECTED AT 17:26:59 ON MAY 21, 1986
Method: PACK03 Raw: RS211 Proc: PS211

Report: 367.00 Channel: 3

Sample: SD 1242 Injected at 17:26:59 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SE032 Subsq/Samp: 1/11 Btl: 11

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

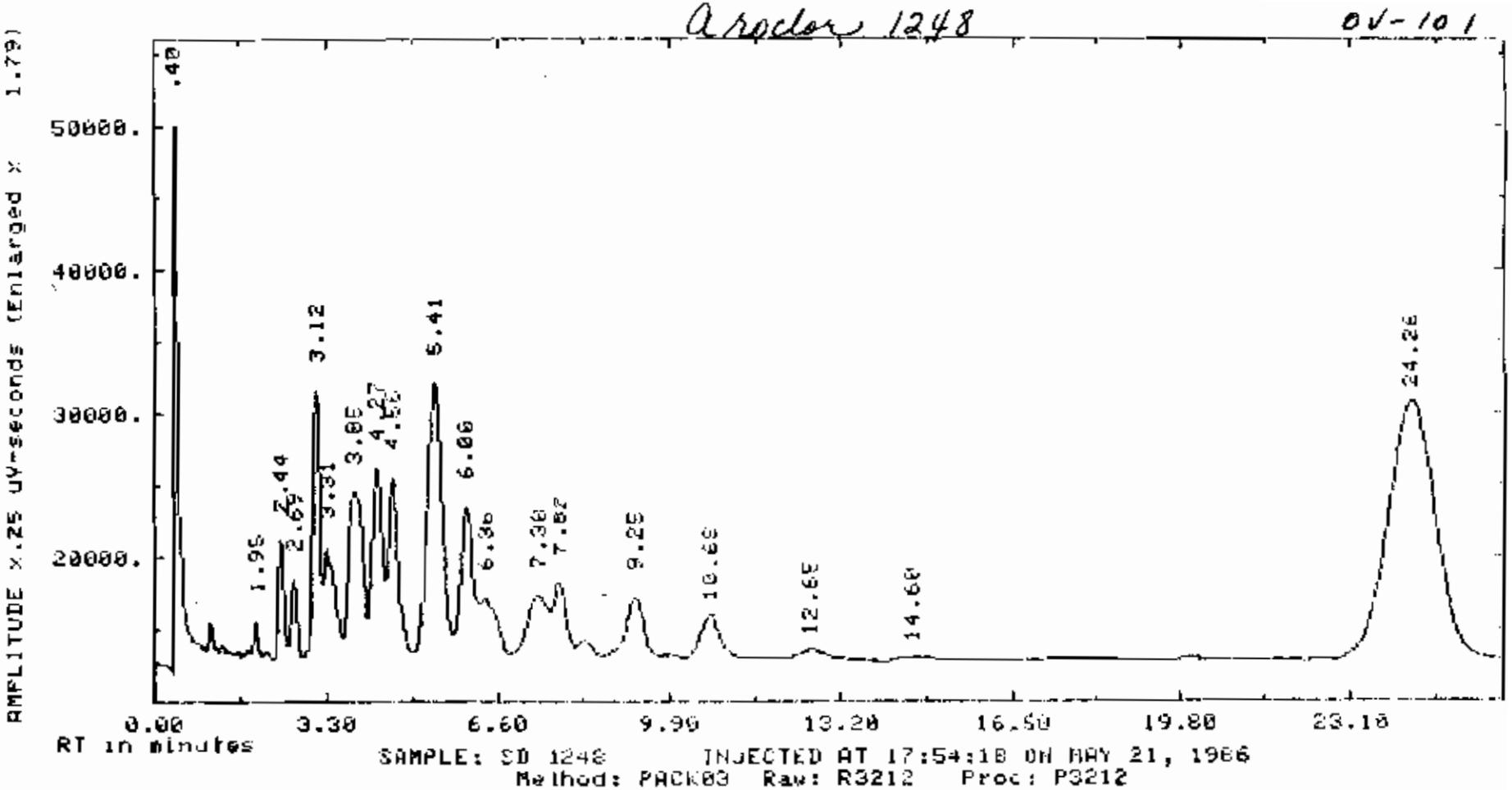
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	94735.	BB	7.220	
1.95	0.00	.10000E+01	32134.	BB	2.449	
2.45	0.00	.10000E+01	50972.	BB	3.885	
2.69	0.00	.10000E+01	33048.	BB	2.519	
3.12	0.00	.10000E+01	91467.	BB	6.972	
3.31	0.00	.10000E+01	37440.	BB	2.853	
3.90	0.00	.10000E+01	51445.	BB	3.921	
4.29	0.00	.10000E+01	34553.	BB	2.633	
4.57	0.00	.10000E+01	27567.	BB	2.101	
5.41	0.00	.10000E+01	114153.	BB	8.700	
6.00	0.00	.10000E+01	41632.	BB	3.173	
7.40	0.00	.10000E+01	6760.	BB	.517	
7.83	0.00	.10000E+01	8718.	BB	.664	
9.25	0.00	.10000E+01	19161.	BB	1.460	
10.69	0.00	.10000E+01	15347.	BB	1.170	
24.27	0.00	.10000E+01	652907.	BB	49.761	

Total Area = 1312081. Total AREA % = 652907.000

Processed data file: P3211 Raw data file: R3211


Aroclor 1248
OV-101
AMPLITUDE x.25 UV-seconds (Enlarged x 1.79)
50000.
40000.
30000.
20000.
.40
1.95
2.44
2.67
3.12
3.31
3.85
4.27
4.52
5.41
6.06
6.36
7.38
7.82
9.25
10.65
12.65
14.60
24.26
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD 1248 INJECTED AT 17:54:18 ON MAY 21, 1986
Method: PACK03 Raw: R3212 Proc: P3212

Report: 368.00 Channel: 3

Sample: SD 1248 Injected at 17.54.18 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp. 1/12 Btl: 12

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
ND	0.00	0	.30	5.0	100.00	ND

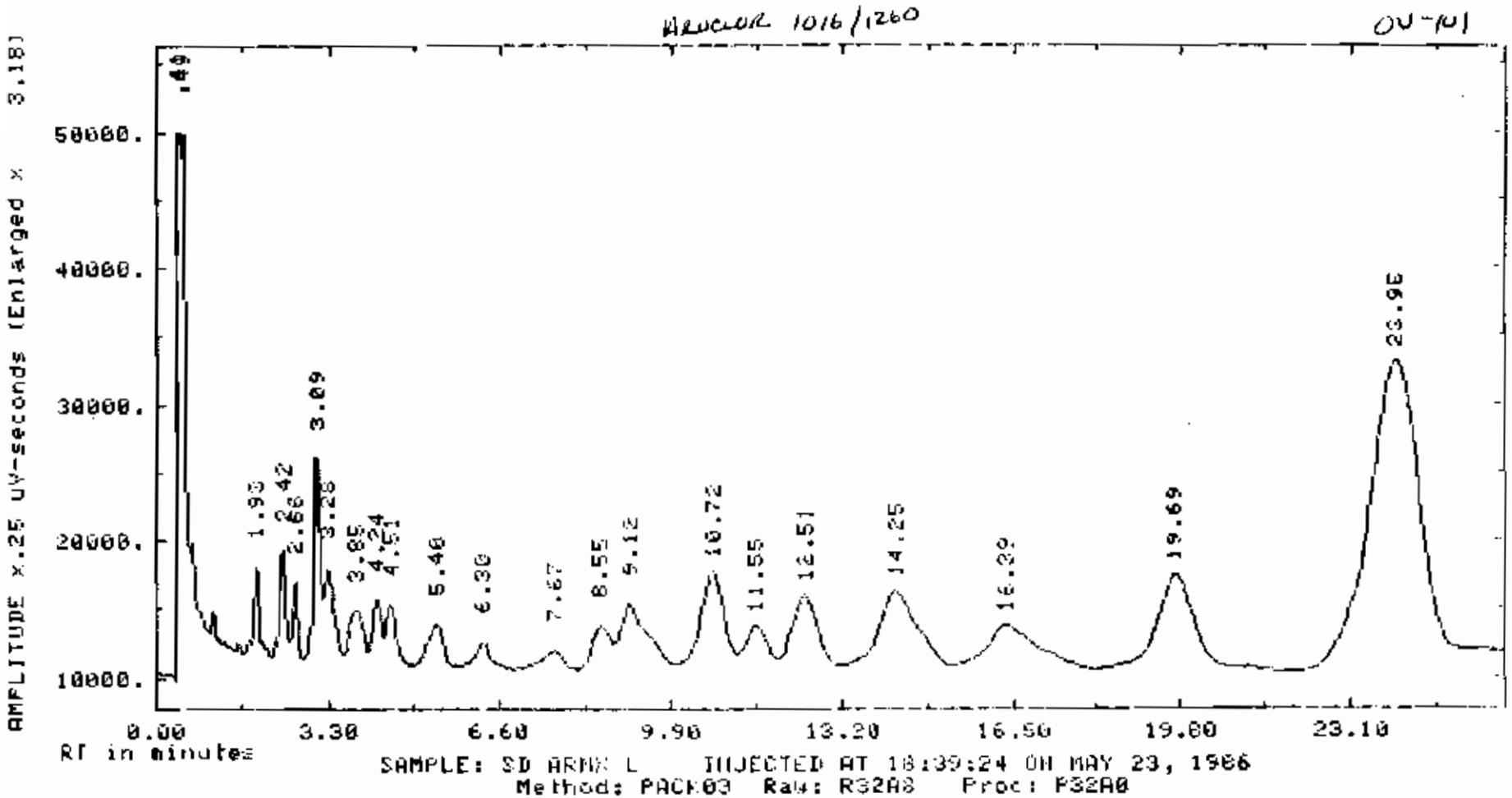
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	151931.	BB	11.133	
1.95	0.00	.10000E+01	5623.	BB	.412	
2.44	0.00	.10000E+01	24490.	BB	1.795	
2.69	0.00	.10000E+01	15114.	BB	1.108	
3.12	0.00	.10000E+01	53356.	BB	3.910	
3.31	0.00	.10000E+01	19571.	BB	1.434	
3.85	0.00	.10000E+01	74563.	BB	5.464	
4.27	0.00	.10000E+01	43307.	BB	3.173	
4.56	0.00	.10000E+01	40939.	BB	3.000	
5.41	0.00	.10000E+01	173004.	BB	12.677	
6.00	0.00	.10000E+01	49901.	BB	3.657	
6.36	0.00	.10000E+01	9011.	BB	.660	
7.38	0.00	.10000E+01	16450.	BB	1.205	
7.82	0.00	.10000E+01	20954.	BB	1.535	
9.29	0.00	.10000E+01	45091.	BB	3.304	
10.68	0.00	.10000E+01	40067.	BB	2.936	
12.65	0.00	.10000E+01	11346.	BB	.831	
14.60	0.00	.10000E+01	5769.	BB	.423	
24.26	0.00	.10000E+01	564184.	BF	41.342	

Total Area = 1364671. Total AREA % = 564184.250

Processed data file: P3212 Raw data file: R3212


AROCLOR 1016/1260
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 3.18)
50000.
40000.
30000.
20000.
10000.
.49
1.93
2.42
2.66
3.09
3.28
3.85
4.24
4.51
5.46
6.30
7.67
8.55
9.12
10.72
11.55
12.51
14.25
16.20
19.69
23.95
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD ARMY L INJECTED AT 18:39:24 ON MAY 23, 1986
Method: PACK03 Raw: R32A8 Proc: P32A0

Report: 468.00 Channel: 3

Sample: SD ARMX L Injected at 18.39.24 ON MAY 23, 1988

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/** Btl: 9

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.08	0	.30	5.0	100.00	NO

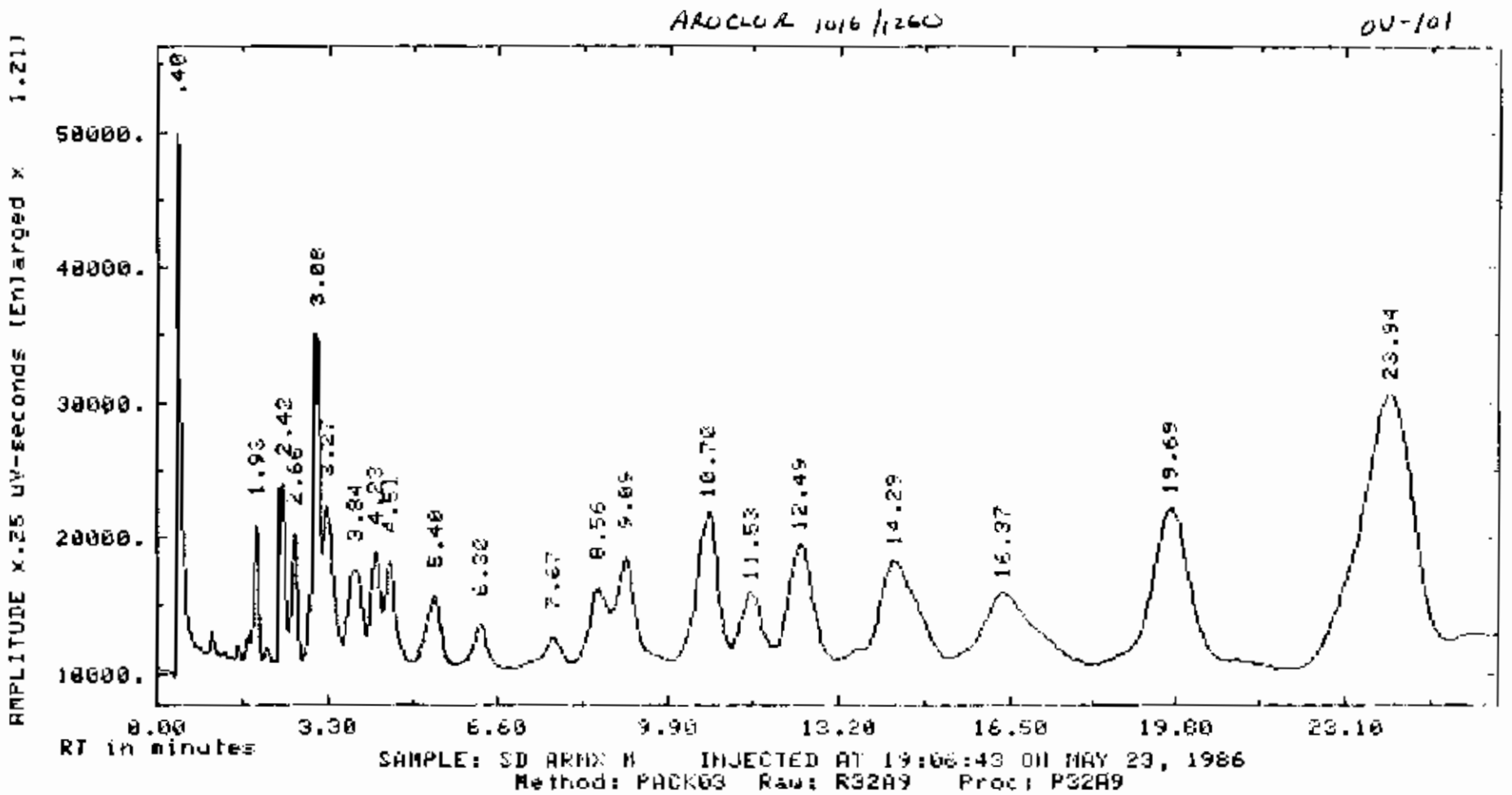
Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.41	0.00	.10000E+01	138727.	BS	7.862	
.49	0.00	.10000E+01	28822.	BB	1.633	
1.93	0.00	.10000E+01	16712.	BB	.947	
2.42	0.00	.10000E+01	24801.	BB	1.406	
2.66	0.00	.10000E+01	14894.	BB	.844	
3.09	0.00	.10000E+01	42757.	BB	2.423	
3.26	0.00	.10000E+01	16655.	BB	.944	
3.85	0.00	.10000E+01	24076.	BB	1.364	
4.24	0.00	.10000E+01	15214.	BB	.862	
4.51	0.00	.10000E+01	11718.	BB	.664	
5.40	0.00	.10000E+01	28581.	BB	1.620	
6.30	0.00	.10000E+01	18902.	BB	1.071	
7.67	0.00	.10000E+01	10739.	BB	1.662	
8.55	0.00	.10000E+01	15296.	BB	.867	
9.12	0.00	.10000E+01	47960.	BB	2.720	
10.72	0.00	.10000E+01	87540.	BB	4.961	
11.55	0.00	.10000E+01	24566.	BB	1.389	
12.51	0.00	.10000E+01	72537.	BB	4.111	
14.25	0.00	.10000E+01	134352.	BB	7.614	
16.39	0.00	.10000E+01	97229.	BB	5.510	
19.69	0.00	.10000E+01	184541.	BB	10.458	
23.93	0.00	.10000E+01	699968.	BB	39.666	

Total Area = 1764555. Total AREA % = 699968.000

Processed data file: P32A8 Raw data file: R32A8


AROCLOR 1016/1260
OV-101
AMPLITUDE x.25 uV-seconds (Enlarged x 1.21)
50000.
40000.
30000.
20000.
10000.
.40
1.93
2.42
2.66
3.08
3.27
3.84
4.23
4.51
5.46
6.32
7.67
8.56
9.05
10.78
11.53
12.49
14.29
16.37
19.69
23.94
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD ARMX M INJECTED AT 19:06:43 ON MAY 23, 1986
Method: PACK03 Raw: R32A9 Proc: P32A9

Report: 469.00 Channel: 3

Sample: SD ARMX M Injected at 19:06:43 ON MAY 23, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/** Btl: 10

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

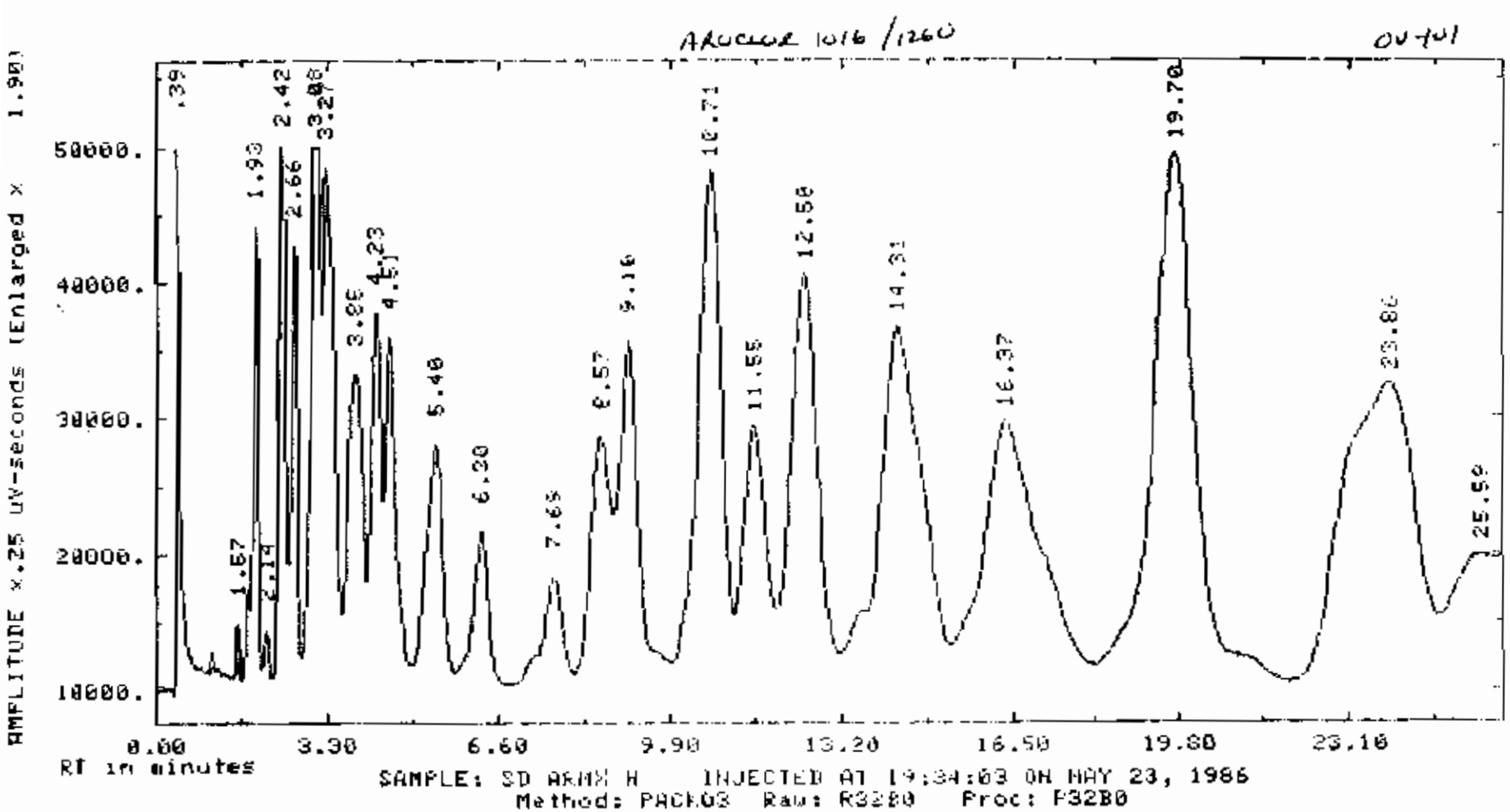
Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 26.008 minutes

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	132211.	BB	6.091	
1.93	0.00	.10000E+01	23861.	BB	1.099	
2.42	0.00	.10000E+01	38690.	BB	1.783	
2.66	0.00	.10000E+01	25351.	BB	1.168	
3.08	0.00	.10000E+01	69107.	BB	3.184	
3.27	0.00	.10000E+01	27348.	BB	1.260	
3.84	0.00	.10000E+01	41021.	BB	1.890	
4.23	0.00	.10000E+01	25250.	BB	1.163	
4.51	0.00	.10000E+01	18617.	BB	.858	
5.40	0.00	.10000E+01	47048.	BB	2.167	
6.30	0.00	.10000E+01	28613.	BB	1.318	
7.67	0.00	.10000E+01	16854.	BB	.776	
8.56	0.00	.10000E+01	24884.	BB	1.146	
9.09	0.00	.10000E+01	36337.	BB	1.674	
10.70	0.00	.10000E+01	145934.	BB	6.723	
11.53	0.00	.10000E+01	46369.	BB	2.137	
12.49	0.00	.10000E+01	121670.	BB	5.605	
14.29	0.00	.10000E+01	176595.	BB	8.136	
16.37	0.00	.10000E+01	164269.	BB	7.568	
19.69	0.00	.10000E+01	317334.	BB	14.620	
23.94	0.00	.10000E+01	643164.	BB	29.631	

Total Area = 2170551. Total AREA % = 643164.000

Processed data file: P32A9 Raw data file: R32A9


AROCLOR 1016 /1260
OV-101
AMPLITUDE x.25 UV-seconds (Enlarged x 1.90)
50000.
40000.
30000.
20000.
10000.
.39
1.67
1.93
2.14
2.42
2.66
3.27
3.88
3.95
4.23
4.51
5.40
6.30
7.65
8.57
9.16
10.71
11.55
12.50
14.31
16.37
19.70
23.86
25.59
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: SD ARMY H INJECTED AT 19:34:03 ON MAY 23, 1986
Method: PACK03 Raw: R3280 Proc: P32B0

Report: 470.00 Channel: 3

Sample: SD ARMX H Injected at 19:34:03 ON MAY 23, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/** Btl: 11

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	.0	.30	5.0	100.0%	NO

Actual run time: 26.008 minutes

RT	ITM	Factor	Area		AREA %	Name
.39	0.00	.10000E+01	110294.	BB	1.932	
1.57	0.00	.10000E+01	8289.	BB	.145	
1.93	0.00	.10000E+01	80367.	BB	1.408	
2.14	0.00	.10000E+01	7535.	BB	.132	
2.42	0.00	.10000E+01	126105.	BB	2.209	
2.66	0.00	.10000E+01	83366.	BB	1.460	
3.08	0.00	.10000E+01	224865.	BB	3.939	
3.27	0.00	.10000E+01	88468.	BB	1.550	
3.85	0.00	.10000E+01	131566.	BB	2.305	
4.23	0.00	.10000E+01	81163.	BB	1.422	
4.51	0.00	.10000E+01	67971.	BB	1.191	
5.40	0.00	.10000E+01	165346.	BB	2.661	
6.30	0.00	.10000E+01	101412.	BB	1.776	
7.69	0.00	.10000E+01	92802.	BB	1.626	
8.57	0.00	.10000E+01	87161.	BB	1.527	
9.10	0.00	.10000E+01	111850.	BB	1.959	
10.71	0.00	.10000E+01	482238.	BB	6.446	
11.55	0.00	.10000E+01	160684.	BB	2.815	
12.50	0.00	.10000E+01	406398.	BB	7.119	
14.31	0.00	.10000E+01	593378.	BB	10.395	
16.37	0.00	.10000E+01	575122.	BB	10.075	
19.70	0.00	.10000E+01	1067405.	BB	18.698	
23.86	0.00	.10000E+01	829961.	BB	14.539	
25.59	0.00	.10000E+01	26773.	BB	.469	

Total Area = 5708542. Total AREA % = 26773.250

Processed data file: P32B0 Raw data file: R32B0

SEQUENCE RUN LOG - GC/QA   MAY 17, 1986   9:50 AM   PAGE 1

SEQUENCE NAME - SE174   CALIB STD LOT SP2250/2401
CHANNEL # 2   DATE STARTED ________
INSTRUMENT # 01   DATE FINISHED ________
TYPE(S) OF ANALYSIS PEST

SAMPLE NAME	B#	CASE NUMBER	EPA NUMBER	INJECTION TIME
SD EVMC	01			20:56:10 ON MAY 15, 1986
SD EVMB	02			21:22:29 ON MAY 15, 1986
SD EVMA	03			21:48:48 ON MAY 15, 1986
SD 4360	04			23:09:53 ON MAY 15, 1986
SD 4364	05			23:36:12 ON MAY 15, 1986
SD TOXA	06			0:02:31 ON MAY 16, 1986
SD TECH	07			0:28:49 ON MAY 16, 1986
SD ARMX	08			0:55:08 ON MAY 16, 1986
SD 1232	09			1:21:27 ON MAY 16, 1986
SD 1221/1254	10			1:47:45 ON MAY 16, 1986
SD 1242	11			2:14:04 ON MAY 16, 1986
SD 1248	12			2:40:22 ON MAY 16, 1986
CP 84975 B1	13	5898-2	BLANK	3:06:42 ON MAY 16, 1986
CP 84976 B2	14	5898-2	BLANK	3:33:01 ON MAY 16, 1986
CP 84821	15	5898-2	BF135	3:59:20 ON MAY 16, 1986
CP 84822	16	5898-2	BF136	4:25:39 ON MAY 16, 1986
CP 84831	17	5898-2	BF137	4:51:57 ON MAY 16, 1986
SD EVMB	18			5:18:17 ON MAY 16, 1986
CP 84833	19	5898-2	BF139	5:44:35 ON MAY 16, 1986
CP 84836	20	5898-2	BF140	6:10:55 ON MAY 16, 1986
CP 84841	21	5898-2	BF145	6:37:15 ON MAY 16, 1986
CP 84840	22	5898-2	BF144	7:03:34 ON MAY 16, 1986
CP 84839	23	5898-2	BF143	7:29:53 ON MAY 16, 1986
SD 4360	24			7:56:12 ON MAY 16, 1986
CP 84838	25	5898-2	BF142	8:22:31 ON MAY 16, 1986
CP 84837	26	5898-2	BF141	8:48:50 ON MAY 16, 1986
PP 84867	27	5898-1	BF134	9:15:10 ON MAY 16, 1986
PP 85259 B2	28	5898-3	BLANK	9:41:29 ON MAY 16, 1986
PP 85258 B1	29	URS WEST	BLANK	10:07:48 ON MAY 16, 1986
SD EVMB	30			10:34:07 ON MAY 16, 1986
PP 84996 SS	31	URS WEST	SS	11:00:09 ON MAY 16, 1986
PP 84997 SS	32	URS WEST	MS F-SEDIMEN	11:26:30 ON MAY 16, 1986
PP 84998 SS	33	URS WEST	MSD F-SEDIME	11:52:49 ON MAY 16, 1986
PP 85002 C	34	URS WEST	F-SEDIMENT	12:19:09 ON MAY 16, 1986

SEQUENCE RUN LOG - QC/QA   MAY 17, 1986   9:59 AM   PAGE 2

SEQUENCE NAME - S1G74
CHANNEL # 7
INSTRUMENT # 01
TYPE(S) OF ANALYSIS PEST

CALIB. STD LOT SP2256/2401
DATE STARTED ____
DATE FINISHED ____

SAMPLE NAME	B#	CASE NUMBER	EPA NUMBER	INJECTION TIME
PP 85168 BS	35	5898-3	BS	12:45:29 ON MAY 16, 1986
SD 4364	36			13:11:43 ON MAY 16, 1986
PP 85169 SS	37	5898-3	BF149	13:38:03 ON MAY 16, 1986
PP 85170 SS	38	5898-3	MSD BF149	14:04:22 ON MAY 16, 1986
PP 85103 B2	39	URS WEST	BLANK	14:30:41 ON MAY 16, 1986
PP 85102 B1	40	URS WEST	BLANK	14:57:06 ON MAY 16, 1986
PP 84986	41	URS WEST	A-SEDIMENT	15:23:20 ON MAY 16, 1986
SD EVMB	42			15:49:39 ON MAY 16, 1986
PP 84990	43	URS WEST	B-SEDIMENT	16:20:40 ON MAY 16, 1986
PP 85000	44	URS WEST	D-SEDIMENT	16:46:59 ON MAY 16, 1986
PP 85001	45	URS WEST	E-SEDIMENT	17:13:12 ON MAY 16, 1986
PP 85003	46	URS WEST	G-SEDIMENT	17:37:30 ON MAY 16, 1986
PP 85004	47	URS WEST	H-SEDIMENT	18:05:58 ON MAY 16, 1986
SD 4360	48			18:32:17 ON MAY 16, 1986
PP 85005	49	URS WEST	C-SEDIMENT	18:58:36 ON MAY 16, 1986
PP 85134 B2	50	W.CLYDE	BLANK	19:24:53 ON MAY 16, 1986
PP 85135 B1	51	W.CLYDE	BLANK	19:51:12 ON MAY 16, 1986
PP 82724 SS	52	5811	MS HA796	20:29:06 ON MAY 16, 1986
PP 82725 SS	53	5811	MSD HA796	22:16:02 ON MAY 16, 1986
SD 4364	54			23:13:29 ON MAY 16, 1986
PP 85098	55	W.CLYDE	FB	23:56:39 ON MAY 16, 1986
PP 841117	56			0:23:17 ON MAY 17, 1986
PP 84285	57	E SAS1	BS	0:49:36 ON MAY 17, 1986
PP 84286	58	E SAS1	MS GD714	1:15:55 ON MAY 17, 1986
PP 84287	59	E SAS1	MSD GD714	1:42:14 ON MAY 17, 1986
SD EVMB	60			2:08:33 ON MAY 17, 1986
PP 84291	61	E SAS1	GD714	2:34:53 ON MAY 17, 1986
SD 4360	62			3:01:12 ON MAY 17, 1986

5/21/86

STANDARD COMPOUND CONCENTRATION

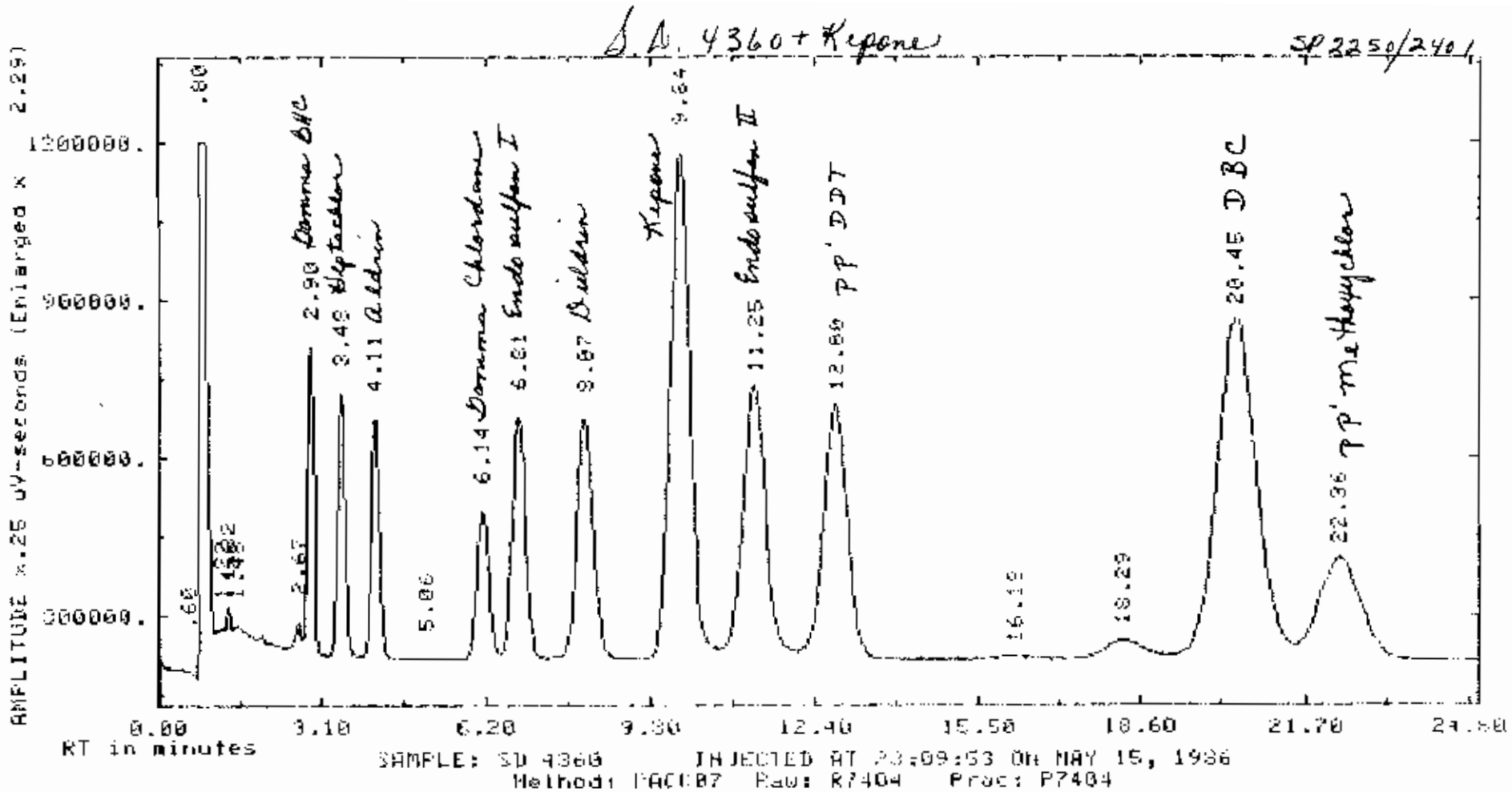
COMPOUNDS	CONCENTRATION (ug/ml)
STD 4360	
Gamma BHC	0.01
Heptachlor	0.01
Aldrin	0.01
Gamma Chlordane	0.01
Endosulfan I	0.02
Dieldrin	0.02
Endosulfan II	0.04
PP'DDT	0.06
PP'Methoxychlor	0.10
STD 4364	
Alpha BHC	0.01
Beta BHC	0.02
Delta BHC	0.01
Heptachlor Epoxide	0.01
Alpha Chlordane	0.02
PP'ODE	0.02
Endrin	0.04
pp'ODD	0.04
Endrin Aldehyde	0.04
Endosulfan Sulfate	0.04
Endrin Ketone	0.10
MULTI PEAK STDS	
Aroclor 1221	1.0
Aroclor 1232	0.70
Aroclor 1016	0.30
Aroclor 1242	0.40
Aroclor 1248	0.40
Aroclor 1254	0.30
Aroclor 1260	0.30
Toxaphene	1.00
Tech Chlordane	0.20

QA NOTICE FOR PCB 1221 + PCB 1254 STANDARDS

CompuChem, in a telephone conversation with Dr. Fred Haeberer on 10/2/84, received permission to allow the laboratory to run standard mixtures containing PCB 1221 and PCB 1254. At that time, Dr. Haeberer was the Organics Project Manager for the Contract Laboratory Program (CLP). Permission was granted since, in one injection, proper resolution of the two standards could be obtained.

This notice serves to provide an explanation for delivering a single standard chromatogram containing both PCB 1221 and PCB 1254.

Robert E. Meierer March 24, 1986
Director of Quality Assurance


S.A. 4360 + Kepone
SP 2250/2401
AMPLITUDE x.25 uV-seconds (Enlarged x 2.29)
1200000.
900000.
600000.
300000.
.80
.68
1.42
2.67
2.90 Gamma BHC
3.48 Heptachlor
4.11 Aldrin
5.06
6.14 Gamma Chlordane
6.81 Endosulfan I
9.07 Dieldrin
9.64 Kepone
11.25 Endosulfan II
12.89 PP' DDT
16.19
18.29
20.45 DBC
22.36 PP' Methoxychlor
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD 4360 INJECTED AT 23:09:53 ON MAY 15, 1986
Method: PAC087 Raw: R7404 Proc: P7404

Report: 172.00 Channel: 7

Sample: SD 4360 Injected at 23:09:53 ON MAY 15, 1984

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/ 4 Btl: 4

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 25.017 minutes

Ended not on baseline
No reference peak found

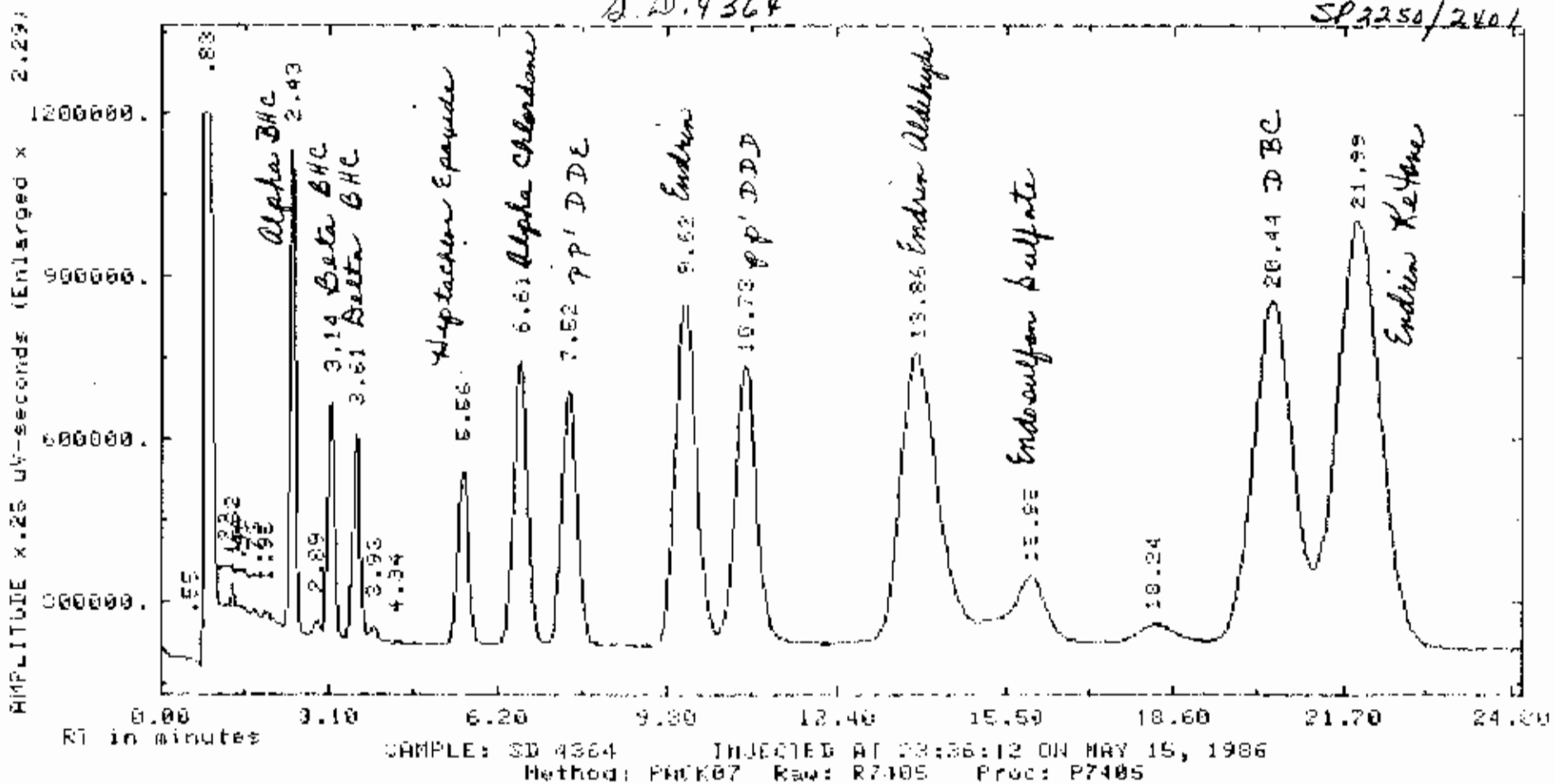
RT	ITM	Factor	Area		AREA %	Name
.60	0.00	.10000E+01	12645.	BB	.017	
.60	0.00	.10000E+01	10410256.	BS	13.661	
1.22	0.00	.10000E+01	16905.	BB	.022	
1.52	0.00	.10000E+01	72620.	BB	.095	
1.48	0.00	.10000E+01	48169.	BB	.063	
2.67	0.00	.10000E+01	117253.	BB	.154	
2.90	0.00	.10000E+01	2214059.	BB	2.906	
3.46	0.00	.10000E+01	2357362.	BB	3.094	
4.11	0.00	.10000E+01	2464943.	BB	3.235	
5.06	0.00	.10000E+01	18116.	BB	.024	
6.14	0.00	.10000E+01	2102933.	BB	2.760	
6.61	0.00	.10000E+01	3906540.	BB	5.129	
8.07	0.00	.10000E+01	4787926.	BB	6.283	
9.84	0.00	.10000E+01	12655719.	BB	13.858	
11.25	0.00	.10000E+01	7259224.	BB	9.526	
12.86	0.00	.10000E+01	7359620.	BB	9.658	
16.18	0.00	.10000E+01	74263.	BB	.097	
16.29	0.00	.10000E+01	674248.	BB	.885	
20.45	0.00	.10000E+01	15762276.	BB	20.689	
22.36	0.00	.10000E+01	4456550.	BB	5.848	

Total Area = 76201648. Total AREA % = 4456550.000

Processed data file: P7404 Raw data file: R7404

S.D. 4364

SP 2250/2401



Report: 178.00 Channel: 7

Sample: SD 4364 Injected at 23:36:12 ON MAY 15, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/ 5 Btl. 5

Si-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.006	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Isn
NO	0.00	0	.30	5.0	100.00	NO

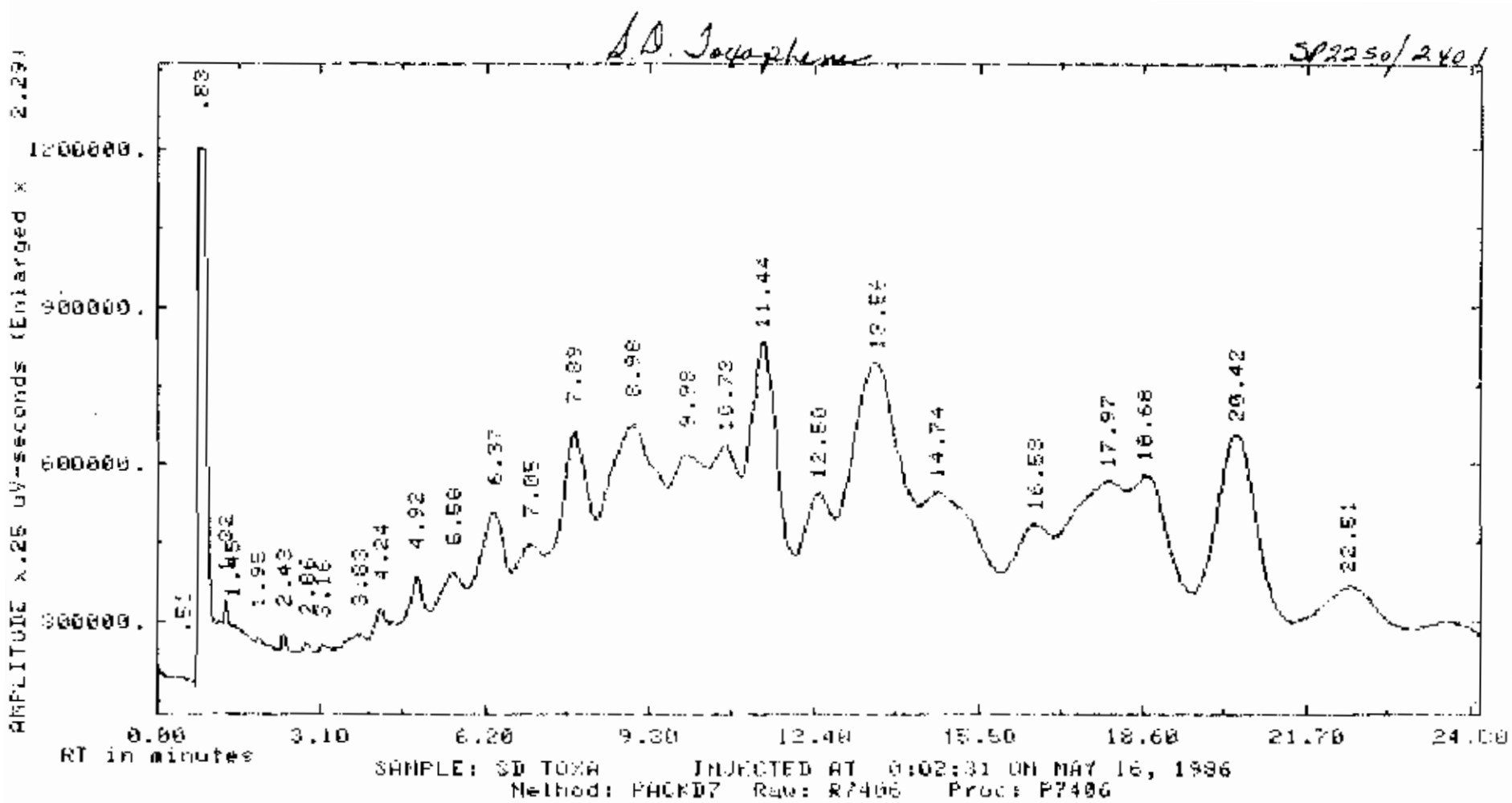
Actual run time: 25.017 minutes

Reading(s) missed
No reference peak found

RT	ITN	Factor	Area		AREA %	Name
.55	0.00	.10000E+01	20359.	BB	.027	
.83	0.00	.10000E+01	774246.	BS	1.025	
1.22	0.00	.10000E+01	12063.	BB	.016	
1.32	0.00	.10000E+01	71853.	BB	.095	
1.46	0.00	.10000E+01	22738.	BB	.030	
1.73	0.00	.10000E+01	23163.	BB	.031	
1.95	0.00	.10000E+01	53079.	BB	.070	
2.43	0.00	.10000E+01	3019920.	BS	3.999	
2.89	0.00	.10000E+01	59607.	BB	.079	
3.14	0.00	.10000E+01	1796257.	BB	2.378	
3.61	0.00	.10000E+01	1770396.	BB	2.344	
3.93	0.00	.10000E+01	62339.	BB	.083	
4.34	0.00	.10000E+01	14523.	BB	.019	
5.56	0.00	.10000E+01	2293306.	BB	3.037	
6.61	0.00	.10000E+01	4361422.	BB	5.775	
7.52	0.00	.10000E+01	4414946.	BB	5.846	
9.62	0.00	.10000E+01	8014712.	BB	10.612	
10.73	0.00	.10000E+01	6646102.	BB	8.800	
13.86	0.00	.10000E+01	11307099.	BB	14.971	
15.95	0.00	.10000E+01	1920666.	BB	2.543	
18.24	0.00	.10000E+01	710260.	BB	.940	
20.44	0.00	.10000E+01	12098504.	BB	16.019	
21.99	0.00	.13000E+01	16034045.	bb	21.237	

Total Area = 75523760. Total AREA % = 16854540.000

Processed data file: P7405 Raw data file R7405


S.D. Toxaphene
SP2250/240
AMPLITUDE x.25 uV-seconds (Enlarged x 2.29)
1200000.
900000.
600000.
300000.
.83
.51
1.45
1.95
2.43
2.86
3.16
3.83
4.24
4.92
5.56
6.37
7.05
7.89
8.96
9.98
10.79
11.44
12.50
13.54
14.74
16.53
17.97
18.68
20.42
22.51
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.00
RT in minutes
SAMPLE: SD TOXA INJECTED AT 0:02:31 ON MAY 16, 1986
Method: PHCRD7 Rate: R7406 Proc: P7406

Report: 179.00 Channel: 7

Sample: SD TOXA Injected at 0:02:31 ON MAY 16, 1986

APCT Method: PACK07 Seq: SE074 . Subsq/Samp: 1/ 6 Rtl: 6

Si-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 25.000 minutes

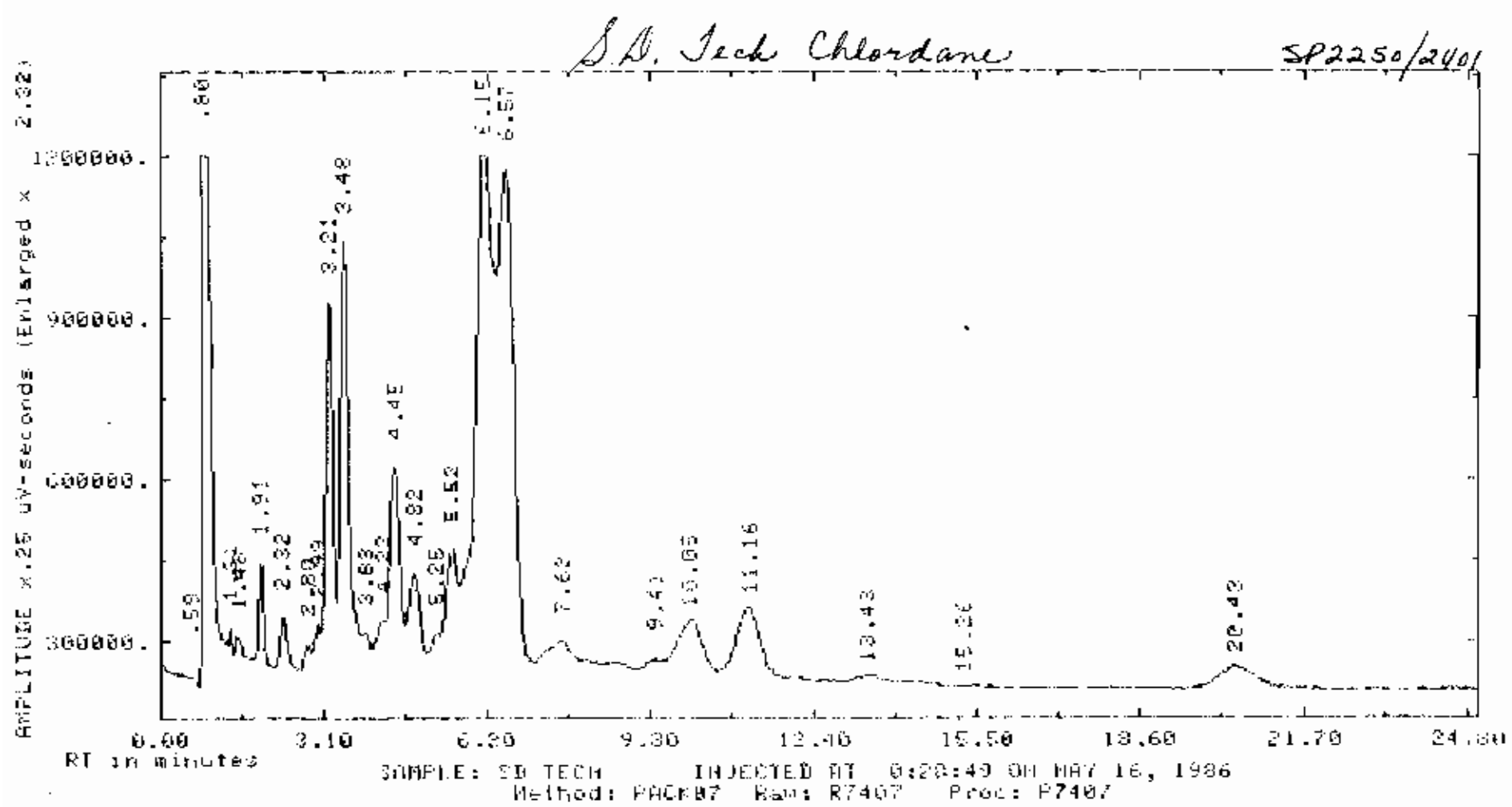
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.51	0.00	.10000E+01	10436.	BB	.027	
.83	0.00	.10000E+01	2428926.	BB	6.217	
1.32	0.00	.10000E+01	90259.	BB	.231	
1.45	0.00	.10000E+01	25450.	BB	.065	
1.95	0.00	.10000E+01	31295.	BB	.080	
2.48	0.00	.10000E+01	104877.	BB	.268	
2.86	0.00	.10000E+01	63901.	BB	.164	
3.16	0.00	.10000E+01	33593.	BB	.086	
3.85	0.00	.10000E+01	31716.	BB	.081	
4.24	0.00	.10000E+01	284665.	BB	.728	
4.92	0.00	.10000E+01	513605.	BB	1.315	
5.58	0.00	.10000E+01	472779.	BB	1.210	
6.37	0.00	.10000E+01	1458044.	BB	3.733	
7.05	0.00	.10000E+01	337872	BB	.865	
7.69	0.00	.10000E+01	2016301.	BB	5.162	
8.98	0.00	.10000E+01	5067872.	BB	12.971	
9.98	0.00	.10000E+01	536272.	BB	1.373	
10.73	0.00	.10000E+01	461184.	BB	1.180	
11.44	0.00	.10000E+01	4375994.	BB	11.199	
12.50	0.00	.10000E+01	889246.	BB	2.276	
13.56	0.00	.10000E+01	6713304.	BB	17.183	
14.24	0.00	.10000E+01	1647624.	BB	4.217	
16.56	0.00	.10000E+01	726576.	BB	1.860	
17.97	0.00	.10000E+01	1015696.	BB	2.600	
18.66	0.00	.10000E+01	1582469.	BB	4.053	
20.42	0.00	.10000E+01	7773978.	BB	19.897	
22.51	0.00	.10000E+01	2186356.	BB	5.596	

Total Area = 39070520. Total AREA % = 2186356.000

Processed data file: P7406 Raw data file: R7406

S.D. Tech Chlordane SP2250/2401



Report: 100.00 Channel: 7

Sample: 3D TECH Injected at 8:28:49 PM MAY 16, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/ 7 Bil: 7

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-F	Iso
No	0.00	0	.56	5.0	100.00	NO

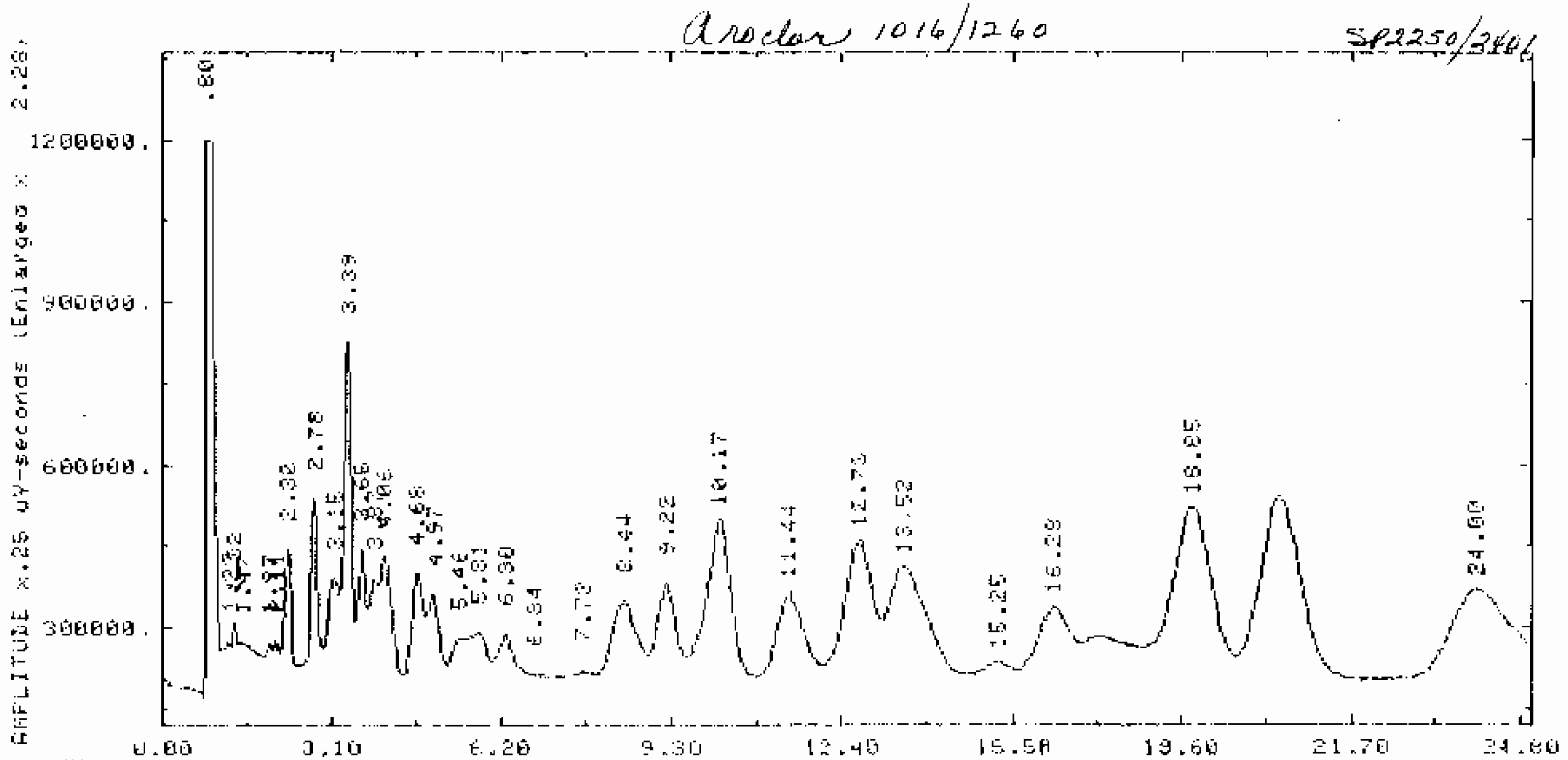
Actual run time: 25.017 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.58	0.00	.10000E+01	17258.	BB	.104	
.80	0.00	.10000E+01	0.	BS	0.000	
1.31	0.00	.10000E+01	60522.	BL	.365	
1.48	0.00	.10000E+01	98218.	BR	.596	
1.91	0.00	.10000E+01	522254.	PB	3.147	
2.32	0.00	.10000E+01	411426.	BB	2.479	
2.80	0.00	.10000E+01	37607.	BE	.227	
2.99	0.00	.10000E+01	64593.	BB	.389	
3.21	0.00	.10000E+01	2227817.	PB	13.424	
3.46	0.00	.10000E+01	3000603.	BB	18.082	
3.66	0.00	.10000E+01	33226.	BE	.201	
4.00	0.00	.10000E+01	23254.	BB	.140	
4.45	0.00	.10000E+01	1501931.	BB	9.050	
4.80	0.00	.10000E+01	623693.	BB	3.758	
5.09	0.00	.10000E+01	25079.	BB	.151	
5.52	0.00	.10000E+01	506501.	BB	3.052	
6.15	0.00	.10000E+01	2558236.	BB	15.415	
6.57	0.00	.10000E+01	1407324.	BB	8.480	
7.62	0.00	.10000E+01	220275.	BB	1.327	
9.41	0.00	.10000E+01	28585.	BB	.172	
10.09	0.00	.10000E+01	11105.	BB	.067	
11.16	0.00	.10000E+01	1750422.	BB	10.547	
13.43	0.00	.10000E+01	312200.	BB	1.881	
15.26	0.00	.10000E+01	14558.	BB	.088	
20.43	0.00	.10000E+01	1138756.	BB	6.862	

Total Area = 16595738. Total AREA % = 1138756.000

Processed data file: P7407 New data file: R7407



SAMPLE: SD ARMX INJECTED AT 0:55:08 ON MAY 16, 1986
Method: PACK07 Raw: R7408 Proc: P7408

Report: 131.00 Channel: 7

Sample: SD ARMX Injected at 0:55:03 ON MAY 16, 199-

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/ 8 Sti. 8

SI-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.20	5.0	100.00	NO

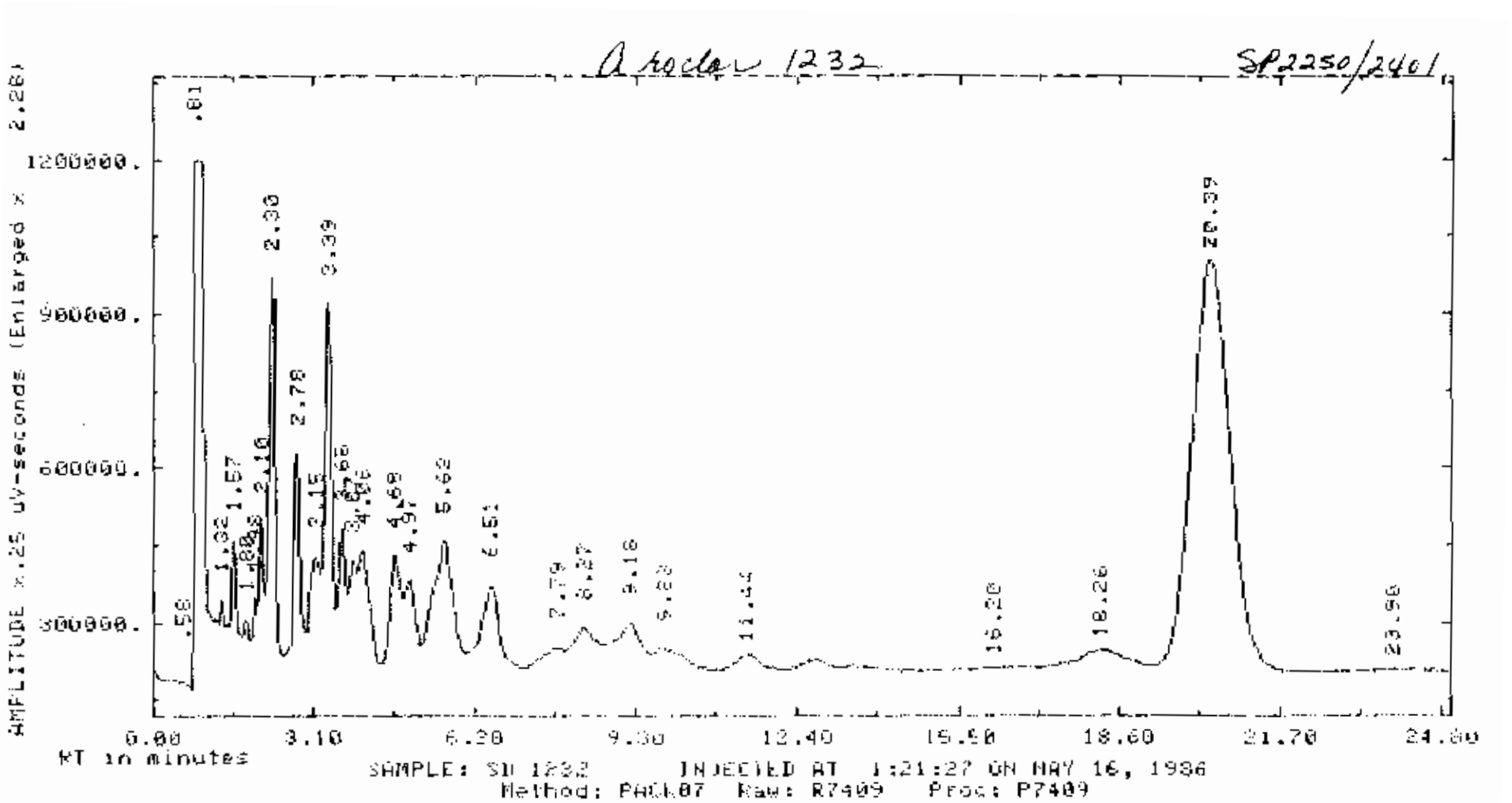
Actual run time: 25.000 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.80	0.00	.10000E+01	400735.	BS	1.302	
1.23	0.00	.10000E+01	15375.	BB	.050	
1.32	0.00	.10000E+01	76115.	BB	.247	
1.47	0.00	.10000E+01	32676.	BB	.107	
1.97	0.00	.10000E+01	40714.	BB	.132	
2.11	0.00	.10000E+01	34453.	Ba	.112	
2.35	0.00	.10000E+01	676102.	BB	2.197	
2.78	0.00	.10000E+01	1664856.	BB	5.460	
3.15	0.00	.10000E+01	277410.	Bb	.901	
3.39	0.00	.10000E+01	1957536.	BB	6.360	
3.65	0.00	.10000E+01	409543.	BB	1.331	
3.87	0.00	.10000E+01	73077.	BB	.237	
4.06	0.00	.10000E+01	501637.	Bb	1.630	
4.60	0.00	.10000E+01	581369.	BB	1.889	
4.97	0.00	.10000E+01	362306.	BB	1.177	
5.46	0.00	.10000E+01	35308.	BB	.115	
5.81	0.00	.10000E+01	97421.	BB	.317	
6.30	0.00	.10000E+01	439793.	BB	1.429	
6.84	0.00	.10000E+01	11843.	BB	.038	
7.73	0.00	.10000E+01	45232.	BB	.147	
8.44	0.00	.10000E+01	1494798	BB	4.857	
9.22	0.00	.10000E+01	1260755.	BB	4.096	
10.17	0.00	.10000E+01	3806052.	Bb	12.366	
11.44	0.00	.10000E+01	2246230.	BB	7.298	
12.73	0.00	.10000E+01	2451708.	BB	7.966	
13.52	0.00	.10000E+01	2404622.	bb	7.813	
15.25	0.00	.10000E+01	23070.	bb	.075	
16.26	0.00	.10000E+01	1298426.	BB	4.219	
18.65	0.00	.10000E+01	5747128.	BB	18.673	
24.00	0.00	.10000E+01	2911444.	BF	9.460	

Total Area = 367779Bb. Total AREA % = 2911444.000

Processed data file: P7408 Raw data file: R7408


Aroclor 1232
SP2250/2401
AMPLITUDE x.25 uV-seconds (Enlarged x 2.28)
1200000.
900000.
600000.
300000.
.61
.58
1.32
1.57
2.30
2.39
2.78
2.15
2.10
4.68
4.97
5.62
6.51
7.79
8.27
9.18
9.22
11.44
16.20
18.26
20.39
23.96
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SU 1232 INJECTED AT 1:21:27 ON MAY 16, 1986
Method: PAOL07 Raw: R7409 Proc: P7409

Report: 182.00 Channel: 7

Sample: SD 1232 Injected at 1:21:27 ON FRI 16, 1988

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/ 9 Bll: Y

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dif-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

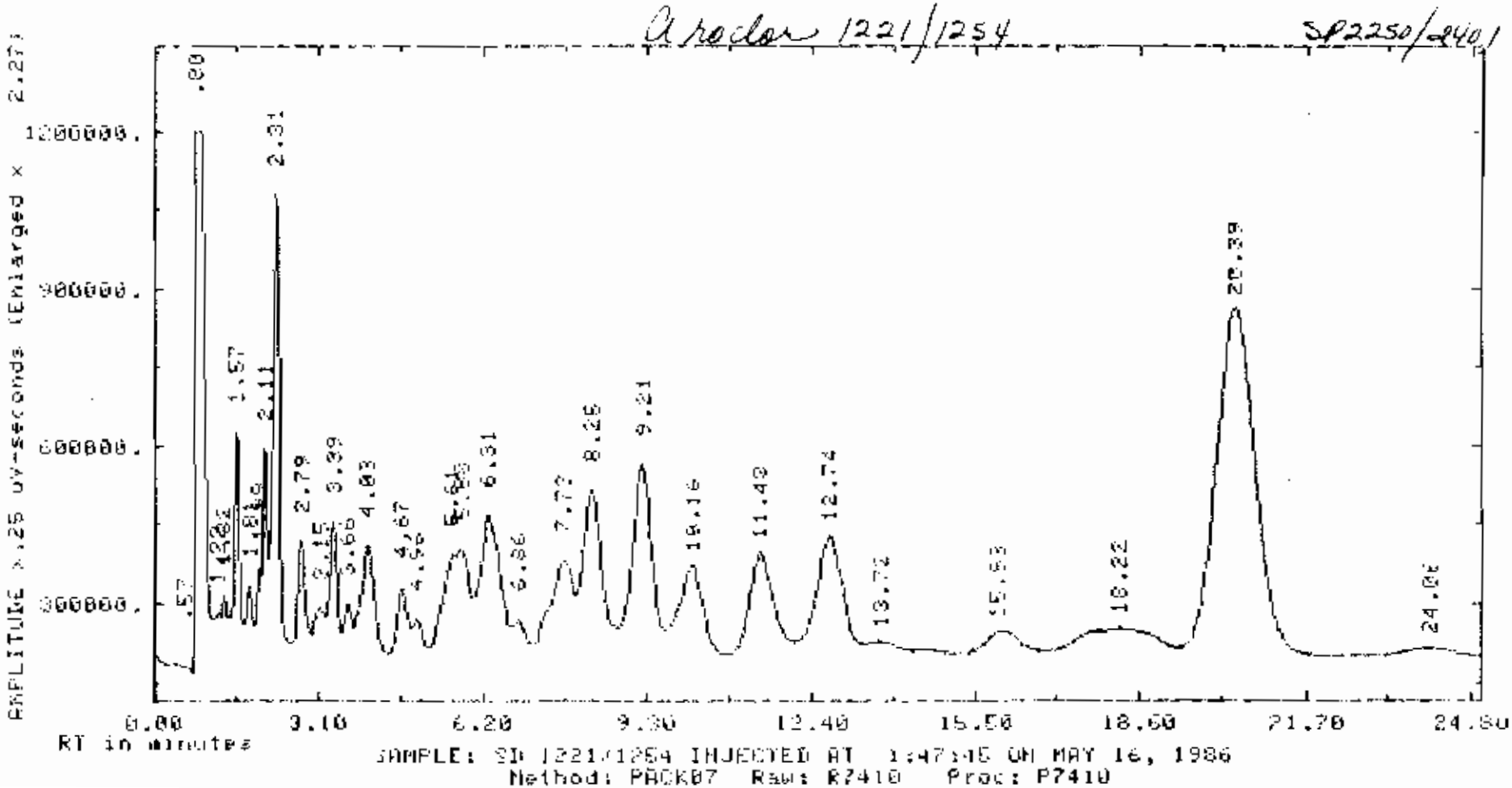
Actual run time: 25.008 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.58	0.00	.10000E+01	21143.	BB	.058	
.81	0.00	.10000E+01	950959.	BS	2.595	
1.32	0.00	.10000E+01	74426.	BB	.203	
1.57	0.00	.10000E+01	427694.	BB	1.167	
1.80	0.00	.10000E+01	79337.	BB	.216	
1.98	0.00	.10000E+01	53182.	BB	.145	
2.10	0.00	.10000E+01	330570	BB	.902	
2.50	0.00	.10000E+01	2260584.	BB	6.166	
2.76	0.00	.10000E+01	1451759.	BB	3.961	
3.15	0.00	.10000E+01	331974.	BB	.906	
3.39	0.00	.10000E+01	2234214.	BB	6.096	
3.65	0.00	.10000E+01	496273.	BB	1.354	
3.87	0.00	.10000E+01	115316.	BB	.315	
4.06	0.00	.10000E+01	380364	BB	1.038	
4.66	0.00	.10000E+01	631067.	BB	1.722	
4.97	0.00	.10000E+01	328004.	BB	.895	
5.62	0.00	.10000E+01	2464744.	BB	6.725	
6.51	0.00	.10000E+01	1367641.	BB	3.732	
7.79	0.00	.10000E+01	33779.	BB	.092	
8.27	0.00	.10000E+01	355483.	BB	.970	
9.12	0.00	.10000E+01	572722.	BB	1.563	
9.83	0.00	.10000E+01	295418.	BB	.806	
11.44	0.00	.10000E+01	38158.	BB	.104	
16.20	0.00	.10000E+01	36658.	BB	.100	
18.26	0.00	.10000E+01	969766.	BB	2.646	
20.39	0.00	.10000E+01	20210184.	BB	55.140	
23.90	0.00	.10000E+01	147148.	BB	.401	

Total Area = 36652496. Total AREA % = 147148.000

Processed data file: P7409 Raw data file: R7409


Aroclor 1221/1254
SP2250/2401
AMPLITUDE x.25 uV-seconds (Enlarged x 2.27)
1200000.
900000.
600000.
300000.
.00
.57
1.57
2.11
2.31
2.79
3.39
4.03
4.67
6.31
8.25
9.21
10.16
11.49
12.74
13.72
15.53
18.22
20.39
24.06
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SP 1221/1254 INJECTED AT 1:47:45 ON MAY 16, 1986
Method: PBCK07 Raw: R7410 Proc: P7410

Report: 183.00 Channel: 7

Sample: SD 1221/1254 Injected at 1:47:45 ON MAY 16, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/10 Btl: 10

Si-width	MV/min	Delay	Min-Ar	Bench
.500	3.000	0.00	15000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Diff-F	Iso
NO	0.00	0	.50	5.0	100.00	NO

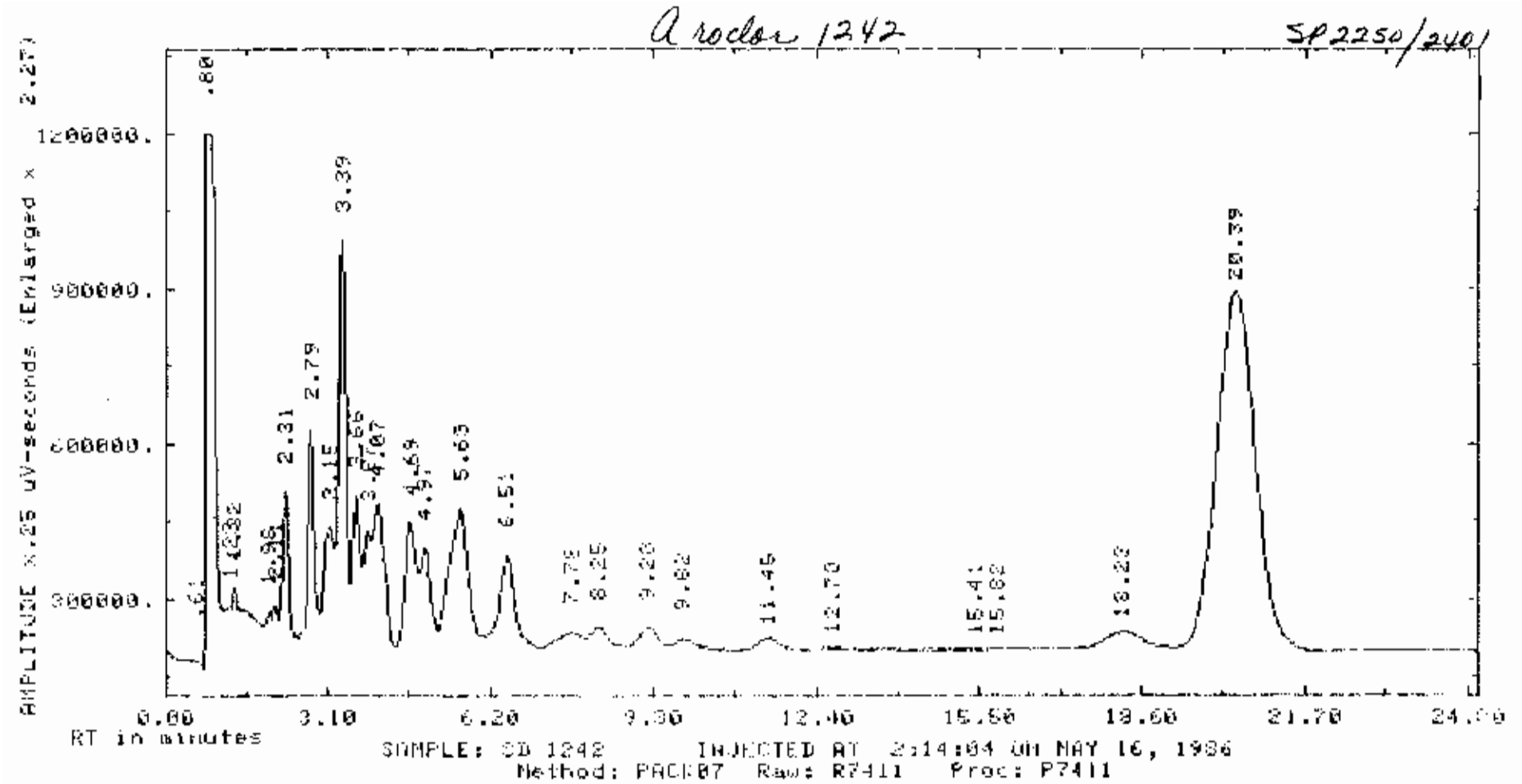
Actual run time: 25.017 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.57	0.00	.10000E+01	24700.	BB	.055	
.80	0.00	.10000E+01	1040196.	BS	2.319	
1.22	0.00	.10000E+01	12233.	BB	.027	
1.38	0.00	.10000E+01	70976.	BB	.158	
1.57	0.00	.10000E+01	896792.	BB	1.999	
1.81	0.00	.10000E+01	172031.	BB	.383	
1.99	0.00	.10000E+01	61551.	BB	.137	
2.11	0.00	.10000E+01	502303.	BB	1.120	
2.31	0.00	.10000E+01	2545627.	BB	5.674	
2.79	0.00	.10000E+01	806672.	BB	1.798	
3.15	0.00	.10000E+01	125777.	BB	.280	
3.37	0.00	.10000E+01	768664.	BB	1.713	
3.66	0.00	.10000E+01	172763.	BB	.385	
4.03	0.00	.10000E+01	1164970.	BB	2.597	
4.67	0.00	.10000E+01	514115.	BB	1.146	
4.96	0.00	.10000E+01	144026.	BB	.321	
5.61	0.00	.10000E+01	132123.	BB	.294	
5.80	0.00	.10000E+01	192633.	BB	.429	
6.31	0.00	.10000E+01	1775214.	BB	3.957	
6.86	0.00	.10000E+01	133160.	BB	.297	
7.73	0.00	.10000E+01	960057.	BB	2.140	
8.25	0.00	.10000E+01	2068066.	BB	4.426	
9.21	0.00	.10000E+01	3445432.	BB	7.679	
10.18	0.00	.10000E+01	1912913.	BB	4.264	
11.45	0.00	.10000E+01	2609003.	BB	5.817	
12.74	0.00	.10000E+01	3230576.	BB	7.201	
13.76	0.00	.10000E+01	10840.	BB	.024	
15.93	0.00	.10000E+01	798662.	BB	1.780	
18.29	0.00	.10000E+01	1716146.	BB	3.825	
20.39	0.00	.10000E+01	16557200.	BB	36.904	
24.06	0.00	.10000E+01	381262.	BB	.850	

Total Area = 44863592. Total AREA % = 381262.000

Processed data file: P7410 Raw data file: R7410


Aroclor 1242
SP2250/240
AMPLITUDE x.25 uV-seconds (Enlarged x 2.27)
1200000.
900000.
600000.
300000.
.80
1.61
1.82
2.31
2.79
3.39
3.65
3.87
4.69
4.95
5.63
6.51
7.78
8.25
9.20
9.82
11.45
12.70
15.41
15.82
18.22
20.39
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD 1242 INJECTED AT 2:14:04 ON MAY 16, 1986
Method: PACK07 Raw: R7411 Proc: P7411

Report: 184.00 Channel: 7

Sample: SD 1242 Injected at 2:13 04 ON MAY 16, 1986

APCT Method: PACK07 Seq. SEQ74 Subsq/Samp: 1/11 Btl: 11

Sl-width	MV/Min	Delay	Min-Ar	Runco
.500	3.000	0.00	10010	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-F	Iso
ND	0.00	0	.50	5.0	100.00	No

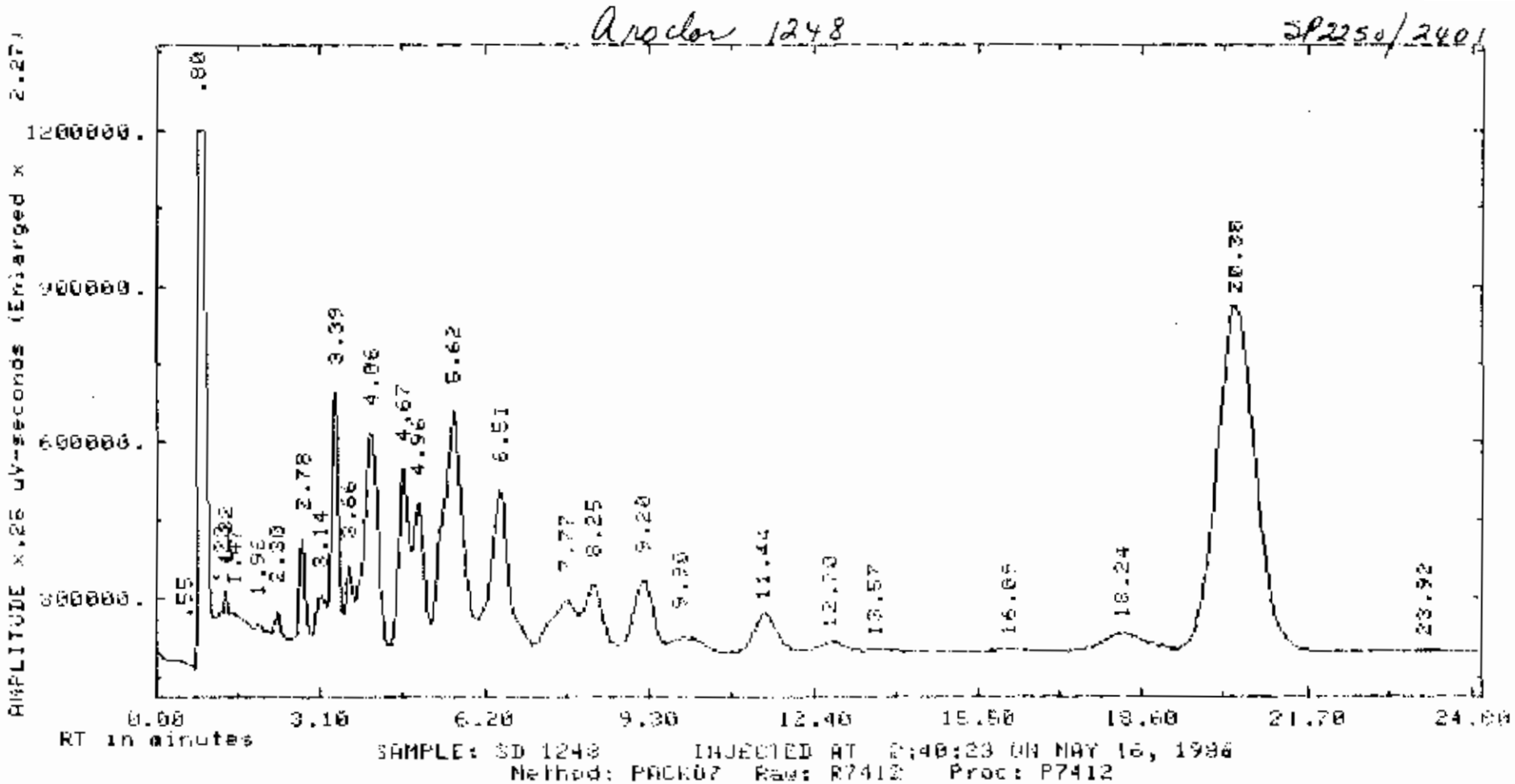
Actual run time: 25.017 minutes

No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.61	0.00	.10000E+01	10585.	BB	.032	
.80	0.00	.10000E+01	1096198.	BB	3.336	
1.23	0.00	.10000E+01	10662.	BB	.032	
1.32	0.00	.10000E+01	68331.	BB	.208	
1.98	0.00	.10000E+01	37115.	BB	.113	
2.11	0.00	.10000E+01	47516.	BB	.144	
2.31	0.00	.10000E+01	901539.	BB	2.745	
2.79	0.00	.10000E+01	1413929.	BB	4.305	
3.15	0.00	.10000E+01	360552.	BB	1.098	
3.39	0.00	.10000E+01	2511564.	BB	7.647	
3.66	0.00	.10000E+01	525098.	BB	1.599	
3.87	0.00	.10000E+01	103387.	BB	.315	
4.07	0.00	.10000E+01	599555.	BB	1.826	
4.69	0.00	.10000E+01	756255.	BB	2.303	
4.97	0.00	.10000E+01	437767.	BB	1.333	
5.63	0.00	.10000E+01	2785038.	BB	8.480	
6.51	0.00	.10000E+01	1572665.	BB	4.789	
7.76	0.00	.10000E+01	11115.	BB	.034	
8.25	0.00	.10000E+01	236169.	BB	.719	
9.20	0.00	.10000E+01	405891.	BB	1.236	
9.82	0.00	.10000E+01	143195.	BB	.436	
11.46	0.00	.10000E+01	347610.	BB	1.058	
12.70	0.00	.10000E+01	70580.	BB	.215	
15.41	0.00	.10000E+01	11388.	BB	.035	
15.82	0.00	.10000E+01	12935.	BB	.039	
18.23	0.00	.10000E+01	724770.	BB	2.207	
20.39	0.00	.10000E+01	17645364.	BB	53.727	

Total Area = 32842412. Total AREA % = 17645364.000

Processed data file: P7411 Raw data file: R7411


Aroclor 1248
SP2250/2401
AMPLITUDE x.26 uV-seconds (Enlarged x 2.27)
1200000.
900000.
600000.
300000.
.80
.55
1.47
1.96
2.30
2.78
3.14
3.39
3.66
4.06
4.67
4.96
6.62
6.51
7.77
8.25
9.20
9.30
11.44
12.73
13.57
16.05
18.24
20.38
23.92
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: SD 1248 INJECTED AT 5:40:23 ON MAY 16, 1996
Method: PACK07 Raw: R7412 Proc: P7412

Report: 165.00 Channel: 7

Sample: SD 1248 Injected at 2:40:23 ON MAY 16, 1988

AFCT Method: PACK07 Seq: SEQ74 Subseq/Samp: 1/12 Rtl: 12

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.569	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.50	5.0	100.00	NO

Actual run time: 25.017 minutes

Ended not on baseline
No reference peak found

RT	ITm	Factor	Area		AREA %	Name
.55	0.00	.10000E+01	21318.	BB	.045	
.80	0.00	.10000E+01	10908184.	BB	22.786	
1.23	0.00	.10000E+01	10861.	BB	.023	
1.32	0.00	.10000E+01	72336.	BB	.151	
1.47	0.00	.10000E+01	14926.	BB	.031	
1.96	0.00	.10000E+01	28979.	BB	.060	
2.30	0.00	.10000E+01	155406.	BB	.325	
2.78	0.00	.10000E+01	701612.	BB	1.464	
3.14	0.00	.10000E+01	177916.	BB	.372	
3.39	0.00	.10000E+01	1711357.	BB	3.575	
3.66	0.01	.10000E+01	259369.	BB	.542	
4.08	0.00	.10000E+01	2748827.	BB	5.744	
4.67	0.00	.10000E+02	1126629.	bb	2.354	
4.96	0.00	.10000E+01	740617.	BB	1.547	
5.62	0.00	.10000E+01	4660104.	bb	9.734	
6.51	0.00	.10000E+01	2720876.	BB	5.684	
7.72	0.00	.10000E+01	517866.	BB	1.082	
8.25	0.00	.10000E+01	660342.	BB	1.379	
9.20	0.00	.10000E+01	1366841.	bb	2.701	
9.90	0.00	.10000E+01	11254.	BB	.024	
11.44	0.00	.10000E+01	1063026.	Bb	2.221	
12.70	0.00	.10000E+01	263563.	BB	.551	
13.57	0.00	.10000E+01	39566.	BB	.083	
16.09	0.00	.10000E+01	101416.	BB	.212	
16.24	0.00	.10000E+01	806974.	BB	1.686	
20.38	0.00	.10000E+01	16895152.	BB	35.292	
23.92	0.00	.10000E+01	74406.	BF	.155	

Total Area = 47872246. Total AREA % = 74406.000

Processed data file: P7412 Raw data file: R7412

V. RAW QC DATA PACKAGE

CASE NO. URS ~~WEST~~ May 1986 Sediments

A. DFTPP

- Bar Graph Spectrum
- Mass Listing

B. BFB

- Bar Graph Spectrum
- Mass Listing

C. Blank Data

D. Matrix Spike Data

E. Matrix Spike Duplicate Data

A. DFTPP

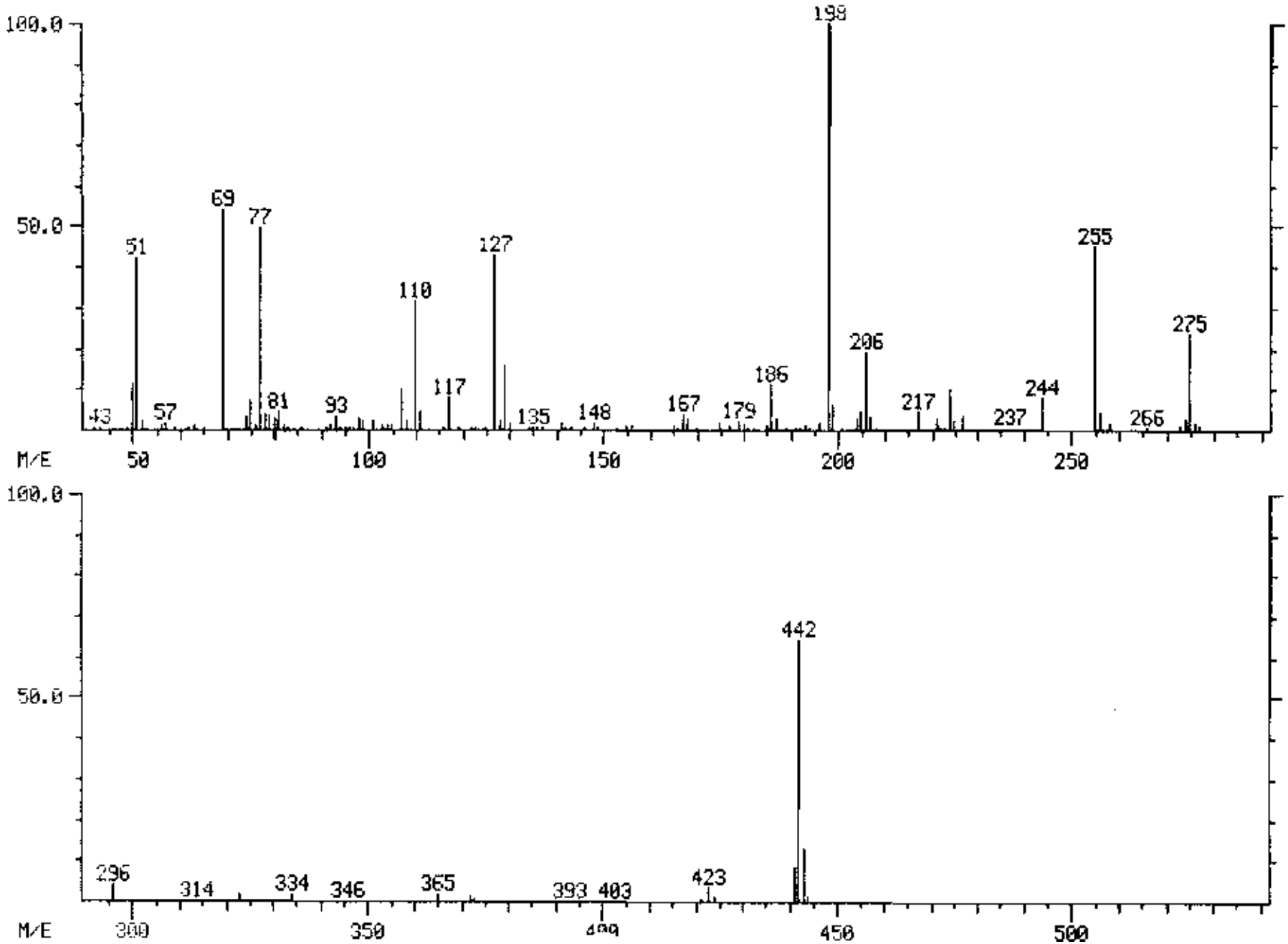
- Bar Graph Spectrum
- Mass Listing

COMPUCHEM LABS

MASS SPECTRUM
02/12/86 18:06:00 + 4:23
SAMPLE: 1 UL DFTPP #7050(16897)
ENHANCED (S 15B 2N)

DATA: DK860212B15 #291

BASE M/E: 198
RIC: 60800.



COMPUCHEM LABS

MASS LIST DATA: DK860212B15 # 291 BASE M/E: 198
02/12/86 18:06:00 + 4:23 RIC: 60000.
SAMPLE: 1 UL DFTPP #7050(16897)
ENHANCED (S 15B 2N 0T)

42 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 8208.
444 # 0 MAXIMA

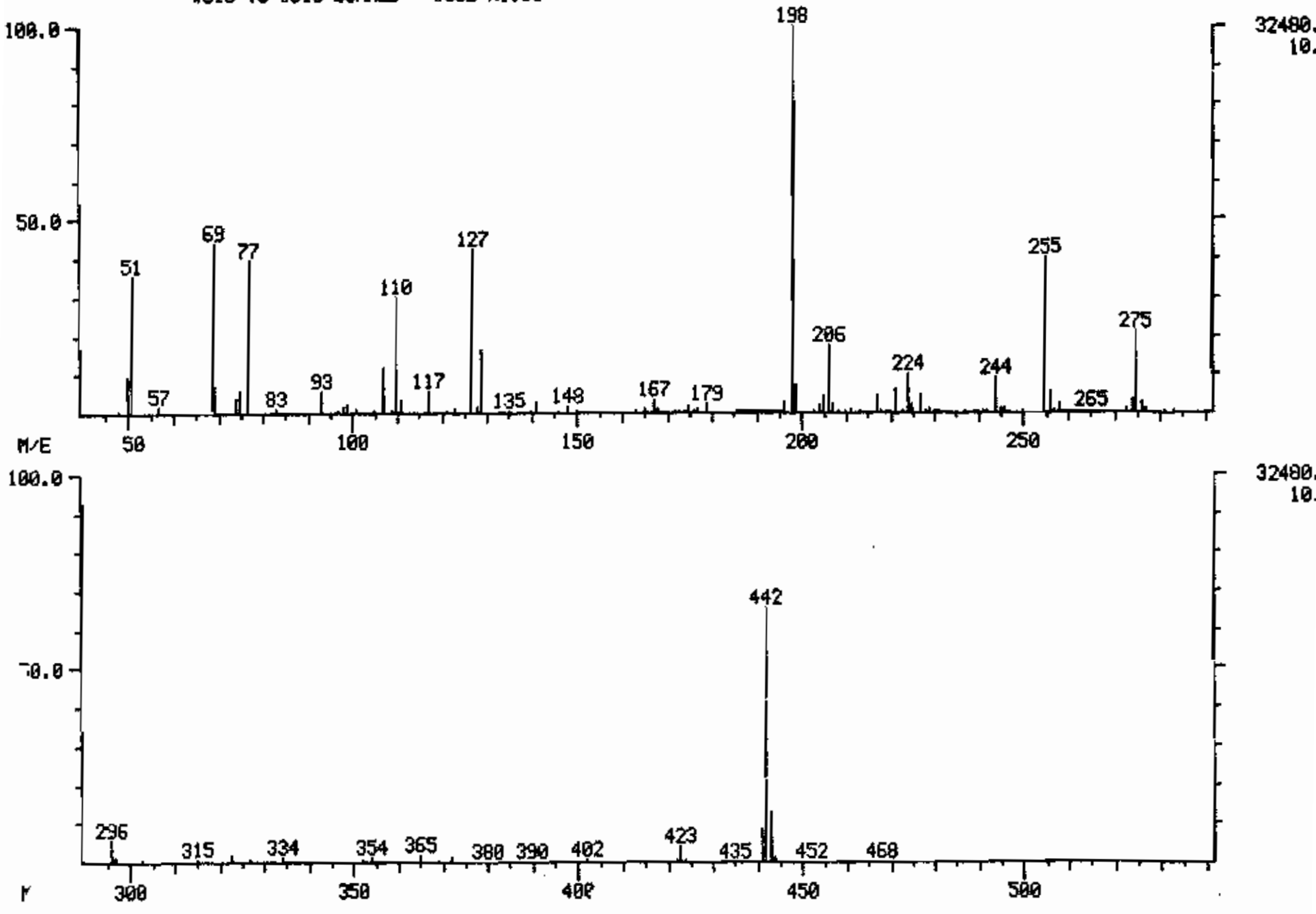
MASS	% RA	MASS	% RA	MASS	% RA
42	0.34	122	0.44	206	19.23
43	0.44	123	0.58	207	3.47
46	0.26	125	0.68	208	0.46
49	0.82	127	42.74	217	4.40
50	11.21	128	2.27	221	2.73
51	42.25	129	15.81	222	0.37
52	2.08	130	1.44	223	0.61
56	1.24	134	0.37	224	10.42
57	1.60	135	0.76	225	2.41
58	0.16	136	0.46	226	0.17
59	0.51	137	0.68	227	3.31
62	0.37	141	1.75	228	0.67
63	1.32	142	0.80	229	0.49
65	0.62	143	0.52	237	0.41
69	54.39	146	0.39	241	0.32
74	3.39	148	1.66	243	0.27
75	7.07	149	0.44	244	7.69
76	1.17	153	0.30	255	45.18
77	49.61	155	0.90	256	4.63
78	3.95	156	1.22	258	1.95
79	3.24	158	0.26	260	0.11
80	2.98	159	0.24	265	0.22
81	4.53	161	0.78	266	0.45
82	1.00	165	1.06	273	0.88
83	0.78	166	0.61	274	2.58
84	0.21	167	3.92	275	23.56
85	0.26	168	2.68	276	1.89
86	0.32	170	0.37	277	1.27
91	0.51	175	1.94	278	0.24
92	0.88	177	0.87	282	0.11
93	3.39	179	2.33	296	3.90
94	0.33	180	1.75	303	0.56
95	0.41	181	0.54	314	0.16
96	0.66	182	0.29	315	0.16
97	0.41	185	0.88	323	1.52
98	2.62	186	11.21	334	1.52
99	2.53	187	2.96	346	0.18
101	2.41	188	0.22	354	0.11
103	0.88	189	0.63	365	1.56
104	0.85	191	0.50	372	1.16
105	1.25	192	0.68	373	0.32
107	10.44	193	0.91	393	0.13
108	2.39	194	0.49	403	0.22
109	0.19	195	0.13	421	0.34
110	31.53	196	1.44	423	3.23
111	4.69	198	100.00	424	0.88
116	0.66	199	6.23	441	8.47
117	8.14	201	0.46	442	64.13
118	0.22	204	2.69	443	12.74

COMPUCHEM LABS

MASS SPECTRUM
05/16/86 5:52:00 + 4:46
SAMPLE: 1UL DFTPP 17822 #7050
#316 TO #318 SUMMED - #302 X1.00

DATA: DI060516C15 #317

BASE M/E: 198
RIC: 216576.



COMPUCHEM LABS

'ASS LIST DATA: DI860516C15 # 317 BASE M/E: 198
5/16/86 5:52:00 + 4:46 RIC: 216576.
SAMPLE: IUL DFTPP 17822 #7050
#316 TO #318 SUMMED - #302 X1.00

48 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 32480.
474 # 0 MAXIMA

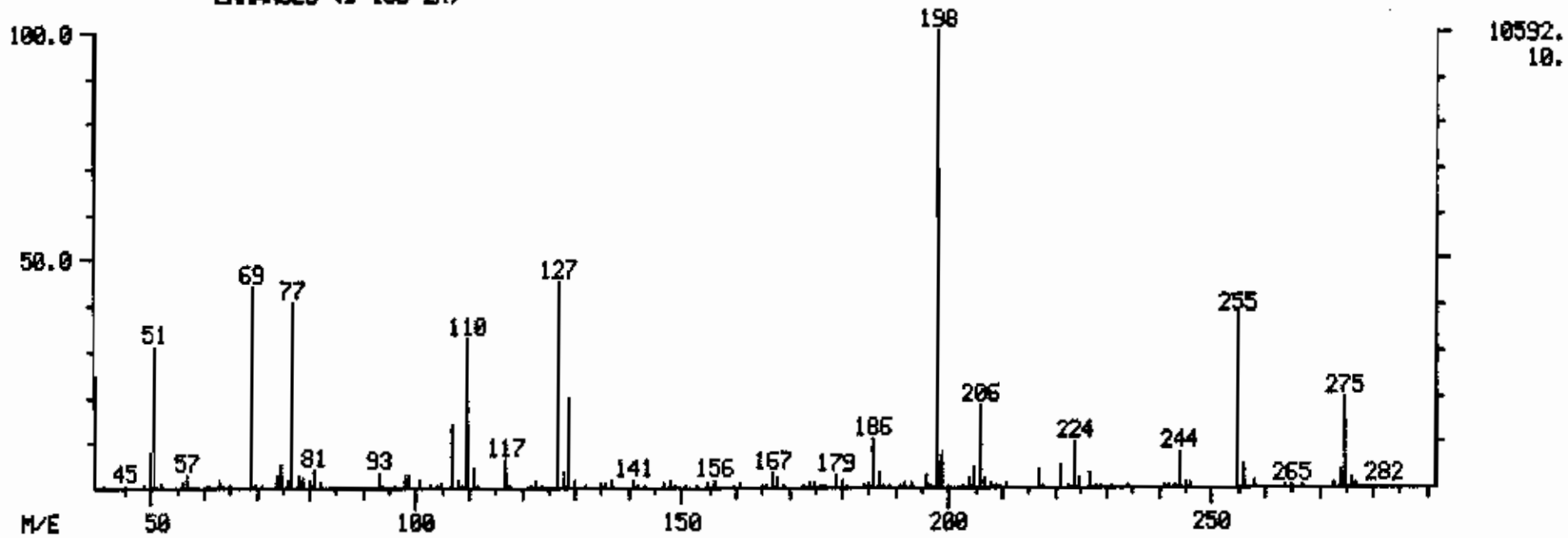
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
48	0.53	173	0.44	250	0.41	349	0.10
49	0.22	174	0.78	252	0.18	352	0.46
50	9.33	175	1.61	255	39.90	353	0.10
51	35.71	176	0.50	256	5.83	354	1.01
55	0.27	177	0.86	257	0.70	357	0.10
57	1.91	179	2.31	258	2.08	358	0.12
58	0.26	193	0.40	259	0.27	360	0.11
68	0.02	194	0.48	260	0.10	361	0.11
69	44.14	195	0.23	261	0.12	362	0.17
74	4.10	196	2.84	262	0.20	365	1.96
75	5.69	198	100.00	263	0.18	366	0.14
77	39.31	199	7.36	265	0.83	371	0.23
83	1.02	200	0.12	270	0.13	372	1.11
87	0.23	202	0.28	272	0.02	373	0.26
93	5.43	203	0.46	273	1.26	380	0.22
96	0.16	204	2.46	274	3.55	390	0.23
97	0.56	205	4.47	275	20.79	394	0.09
98	1.67	206	17.61	276	2.96	397	0.10
99	2.49	207	2.35	277	1.27	402	0.34
101	0.97	208	0.42	279	0.20	404	0.10
105	0.36	210	0.31	281	0.69	405	0.12
107	12.04	211	1.22	283	0.46	410	0.12
109	0.42	212	0.27	284	0.14	411	0.10
110	29.90	213	0.38	286	0.27	421	0.55
111	3.46	216	0.14	290	0.18	422	0.68
116	0.05	217	4.48	294	0.14	423	3.81
117	5.67	218	0.32	295	0.15	424	0.69
120	0.06	219	0.41	296	5.41	425	0.10
121	0.34	220	0.38	297	1.12	430	0.10
123	0.97	221	6.08	301	0.14	435	0.25
127	42.46	222	0.28	303	0.60	436	0.10
128	1.72	223	0.70	304	0.23	441	8.39
129	16.26	224	10.10	310	0.10	442	65.32
135	0.80	225	2.33	312	0.09	443	12.98
139	0.06	226	0.17	314	0.26	444	1.34
140	0.54	227	4.33	315	0.64	447	0.22
141	2.84	228	0.54	318	0.12	452	0.10
147	0.12	229	1.05	319	0.10	453	0.10
148	1.41	230	0.32	321	0.18	457	0.09
149	0.20	231	0.54	323	1.90	460	0.22
150	0.39	237	0.36	324	0.27	462	0.10
152	0.35	239	0.36	326	0.20	467	0.12
163	0.71	240	0.43	327	0.30	468	0.20
164	0.26	241	0.39	332	0.12	470	0.15
165	1.04	242	0.71	333	0.15	473	0.10
166	0.18	243	0.22	334	1.16	474	0.12
167	3.37	244	9.21	335	0.33		
168	1.08	245	1.10	341	0.09		
171	0.06	246	0.99	345	0.07		
172	0.52	249	0.01	348	0.12		

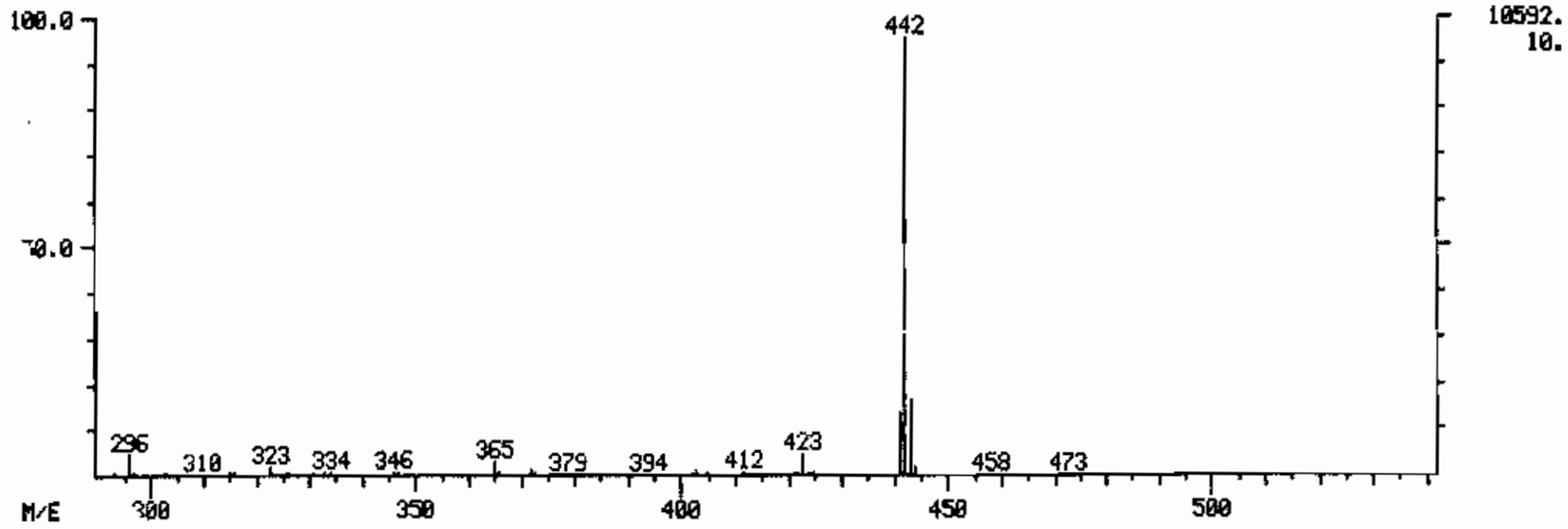
COMPUCHEM LABS

MASS SPECTRUM
05/16/86 18:52:00 + 4:37
SAMPLE: 1 UL DFTPP #7050(17022)
ENHANCED (S 15B 2N)

DATA: DH060516B15 #307

BASE M/E: 198
RIC: 81408.





COMPUCHEM LABS

MASS LIST DATA: DHB60516B15 # 307 BASE M/E: 198
05/16/86 18:52:00 + 4:37 RIC: 81408.
SAMPLE: 1 UL DFTPP #7050(17822)
ENHANCED (S 158 2N 0T)

41 0.00 MINIMA MIN INTEN: 23. MAX INTEN: 10592.
474 # 0 MAXIMA

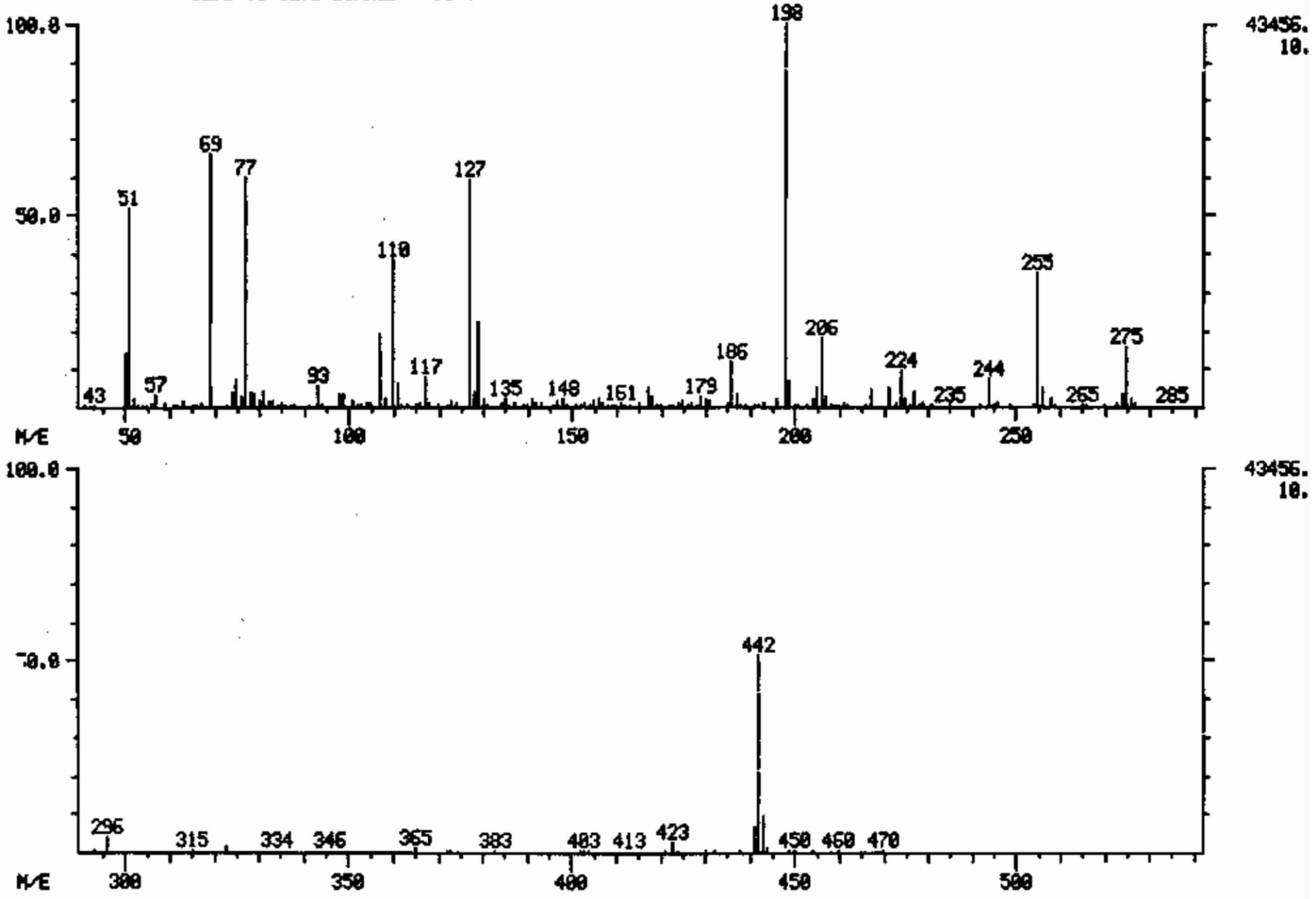
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	0.47	122	0.61	196	2.79	297	0.54
45	0.59	123	1.45	197	0.53	303	0.74
46	0.24	124	0.33	198	100.00	315	0.52
49	0.69	127	45.09	199	7.68	316	0.42
50	8.08	128	3.59	200	0.36	323	1.91
51	31.08	129	19.56	203	0.49	326	0.66
52	1.24	130	1.71	204	2.05	329	0.27
53	0.24	132	0.42	205	4.47	331	0.45
54	0.27	135	1.27	206	18.07	333	0.46
56	1.07	136	1.04	207	1.98	334	0.61
57	2.91	137	1.44	208	1.03	342	0.22
61	0.62	141	1.61	209	0.41	346	0.67
63	1.57	142	0.34	210	0.63	347	0.32
64	0.32	143	0.74	211	1.09	351	0.23
65	0.74	146	0.25	215	0.25	352	0.25
67	0.26	147	1.19	217	4.14	353	0.65
69	43.88	148	1.82	218	0.47	354	0.41
70	0.45	149	0.60	221	4.83	355	0.53
71	0.57	151	0.42	223	0.79	357	0.29
74	2.75	152	0.23	224	10.18	365	2.61
75	4.95	153	0.59	225	2.18	366	0.51
76	1.96	155	1.01	227	3.12	372	1.20
77	40.63	156	1.70	228	0.40	373	0.37
78	2.79	158	0.25	229	0.59	388	0.22
79	2.11	160	0.42	231	0.82	402	0.42
80	1.61	161	0.89	234	0.30	403	0.94
81	3.82	162	0.28	235	0.27	405	0.30
82	0.95	165	0.79	237	0.25	412	0.29
85	0.66	166	0.43	241	0.30	420	0.23
86	0.50	167	3.25	242	0.68	421	0.65
88	0.25	168	2.49	243	0.54	422	0.76
92	0.56	169	0.31	244	8.13	423	4.41
93	3.34	173	0.32	245	0.91	424	0.55
94	0.52	174	0.88	246	1.21	425	0.32
96	0.35	175	1.18	249	0.39	426	0.23
98	2.65	176	0.42	255	37.73	439	0.24
99	3.10	177	0.54	256	5.12	441	13.31
101	1.66	178	0.23	258	1.50	442	95.32
103	0.46	179	3.03	259	0.23	443	16.50
104	0.75	180	1.65	264	0.58	444	1.60
105	1.09	181	0.59	265	0.75	448	0.48
107	14.03	184	0.34	267	0.33	451	0.25
108	1.60	185	1.26	273	1.11	454	0.22
109	0.57	186	10.91	274	3.78	458	0.25
110	32.59	187	3.14	275	19.52	464	0.25
111	4.25	188	0.32	276	2.30	465	0.22
112	0.63	189	0.68	277	1.16	467	0.22
116	0.23	191	0.39	282	0.29	473	0.25
117	6.23	192	1.01	293	0.33	474	0.22
118	0.33	193	0.85	296	4.47		

COMPUCHEM LABS

MASS SPECTRUM
05/19/86 1:00:00 + 4:11
SAMPLE: 1UL DFTPP 17822 #7050
#278 TO #279 SUMMED - #273 X1.00

DATA: DH860519C15 #278

BASE M/E: 198
RIC: 360448.



COMPUCHEM LABS

MASS LIST DATA: DH860519C15 # 278 BASE M/E: 198
05/19/86 1:08:00 + 4:11 RIC: 360448.
AMPLE: 1UL DFTPP 17822 #7050
#278 TO #279 SUMMED - #273 X1.00

41 0.00 MINIMA MIN INTEN: 113. MAX INTEN: 43456.
474 # 0 MAXIMA

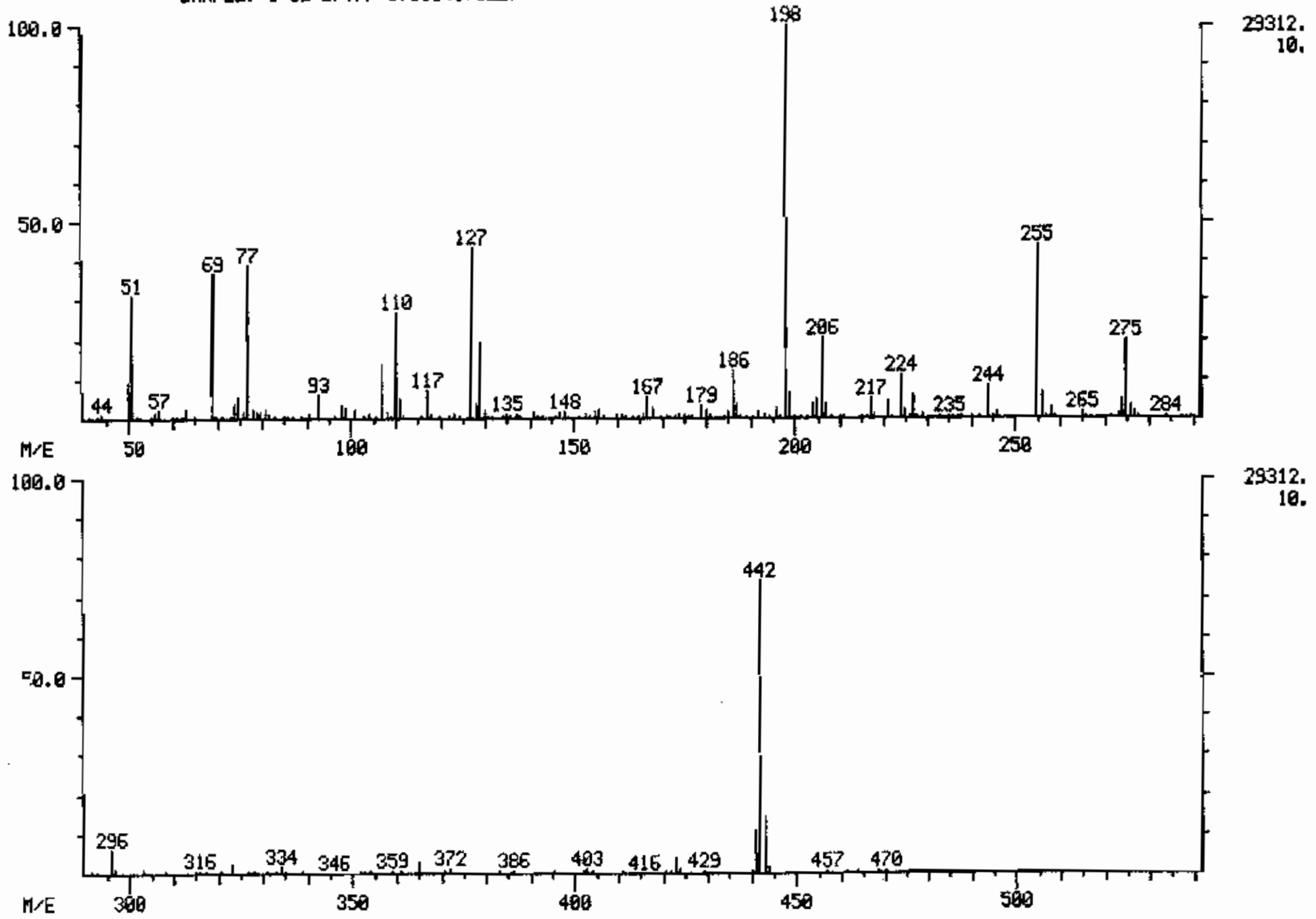
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	0.39	113	0.53	177	0.92	259	0.29
43	0.60	115	0.32	178	0.43	265	0.66
50	13.84	116	0.88	179	2.71	266	0.35
51	52.21	117	7.74	180	2.39	270	0.29
52	1.99	118	1.09	181	1.62	273	1.16
53	0.40	120	0.35	185	1.25	274	3.32
54	0.30	122	0.52	186	11.69	275	16.09
55	0.58	123	1.59	187	3.67	276	2.02
56	1.27	124	1.26	188	0.37	277	1.13
57	3.36	127	59.35	189	0.49	285	0.45
59	0.92	128	4.14	191	0.70	293	0.64
61	0.41	129	22.13	192	0.77	296	3.95
62	0.84	130	2.25	193	1.22	297	0.61
63	1.89	131	0.38	195	0.28	315	0.56
65	0.34	134	1.07	196	2.14	320	0.28
66	0.52	135	2.10	198	100.00	323	1.53
67	0.94	136	0.36	199	6.92	324	0.65
69	66.27	137	1.14	200	0.43	328	0.30
73	0.55	139	0.37	201	0.35	334	0.82
74	4.04	140	0.30	203	0.30	341	0.35
75	7.30	141	2.50	204	2.21	346	0.39
76	2.92	142	0.95	205	4.85	352	0.31
77	59.65	143	0.93	206	17.91	353	0.36
78	3.93	146	0.36	207	2.61	354	0.56
79	3.31	147	1.65	208	0.85	355	0.40
80	1.86	148	2.36	209	0.37	365	1.35
81	3.87	149	0.81	210	0.32	372	0.44
82	1.58	151	0.64	211	1.30	373	0.46
83	1.91	152	0.50	212	0.33	383	0.44
84	0.31	153	0.86	216	0.47	402	0.43
85	1.09	154	0.64	217	4.47	403	0.72
86	0.72	155	1.45	221	4.90	404	0.52
87	0.69	156	2.10	223	1.05	413	0.29
88	0.42	157	0.97	224	9.38	421	0.51
91	0.69	158	0.48	225	2.43	422	0.27
93	5.45	159	0.41	226	0.29	423	2.81
94	0.60	160	0.64	227	4.08	424	0.56
98	3.37	161	1.37	228	0.31	430	0.29
99	3.60	162	0.39	229	0.98	432	0.41
100	0.28	163	0.41	231	0.35	438	0.36
101	1.83	165	1.20	235	0.36	441	6.90
102	0.34	167	4.91	242	0.36	442	91.62
103	0.68	168	2.98	244	7.60	443	9.65
104	1.29	169	0.69	245	0.71	444	1.12
105	1.26	170	0.29	246	1.40	447	0.27
107	19.26	172	0.46	249	0.38	449	0.32
108	2.53	173	0.29	254	0.49	450	0.39
110	38.51	174	0.90	255	35.05	454	0.29
111	5.97	175	1.82	256	5.05	460	0.35
112	0.40	176	0.85	258	2.10	470	0.51

COMPUCHEM LABS

MASS SPECTRUM
05/19/86 20:38:00 + 4:09
SAMPLE: 1 UL DFTPP #7050(17822)

DATA: DI860519B15 #276

BASE M/E: 198
RIC: 231168.



COMPUCHEM LABS

MASS LIST DATA: DI860519B15 # 276 BASE M/E: 198

05/19/86 20:38:00 + 4:09 RIC: 231168.

AMPLE: 1 UL DFTPP #7050(17822)

41 0.00 MINIMA MIN INTEN: 89. MAX INTEN: 29312.

475 # 0 MAXIMA

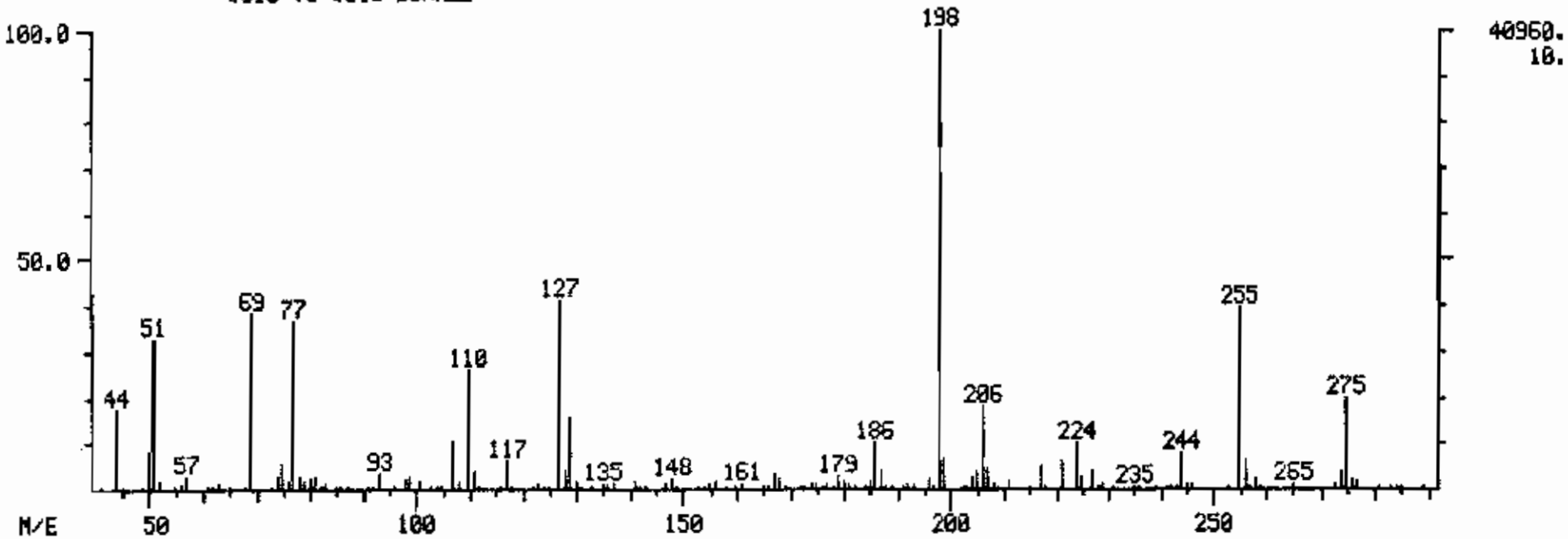
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	0.42	120	0.31	193	1.12	278	0.44
43	0.46	122	0.49	194	0.45	284	0.38
44	1.04	123	1.19	196	3.00	291	0.35
50	9.13	124	0.52	197	0.38	293	0.55
51	31.44	127	43.40	198	100.00	296	6.06
52	0.81	128	3.58	199	6.55	297	0.94
53	0.31	129	19.24	200	0.59	303	1.24
55	0.76	130	2.24	201	0.76	308	0.38
56	1.46	134	0.45	203	0.82	315	0.55
57	2.37	135	1.04	204	3.60	316	0.60
60	0.45	136	0.56	205	4.99	317	0.31
61	0.63	137	1.04	206	20.36	321	0.40
62	0.48	138	0.52	207	3.59	323	2.12
63	2.03	141	1.64	208	0.48	327	0.74
65	0.71	142	0.72	210	0.40	328	0.41
69	36.90	143	0.75	211	0.75	331	0.44
70	0.41	146	0.56	215	0.55	333	0.40
71	0.31	147	1.39	216	0.34	334	1.76
73	0.60	148	1.92	217	5.16	335	0.50
74	3.64	149	0.60	218	1.13	352	0.61
75	5.51	151	0.71	221	4.64	353	0.50
76	1.58	153	1.24	222	0.37	354	0.75
77	38.81	154	0.76	224	10.85	359	0.35
78	2.43	155	1.41	225	2.37	365	2.69
79	1.90	156	1.95	226	0.56	370	0.45
80	1.86	157	0.68	227	5.79	372	1.30
81	2.16	160	1.27	228	0.59	383	0.33
82	1.09	161	1.23	229	1.24	386	0.40
83	0.55	162	0.34	235	0.50	396	0.34
85	0.79	163	0.35	236	0.38	402	0.44
86	0.49	165	0.74	237	0.40	403	1.11
87	0.59	166	0.97	238	0.34	404	0.38
89	0.40	167	5.65	240	0.44	411	0.31
91	0.89	168	2.85	242	0.49	421	0.49
93	5.79	170	0.41	244	8.41	422	0.64
96	0.31	171	0.33	245	0.72	423	3.79
98	3.25	173	0.52	246	1.73	424	0.98
99	2.74	174	1.06	249	0.34	429	0.46
101	1.95	175	0.97	253	0.55	433	0.37
103	0.79	176	0.55	255	43.94	440	0.46
104	1.02	177	0.45	256	6.44	441	10.99
106	0.56	179	3.15	257	0.52	442	74.34
107	13.56	180	2.10	258	2.61	443	14.47
108	1.76	181	1.36	259	0.63	444	1.68
109	0.40	185	1.77	265	1.39	457	0.41
110	26.80	186	12.30	266	0.44	461	0.41
111	4.69	187	3.64	273	1.31	469	0.38
112	0.74	188	0.57	274	4.74	470	0.48
116	0.81	189	0.76	275	19.68	474	0.34
117	7.31	191	0.53	276	3.36	475	0.38
118	0.98	192	1.42	277	1.81		

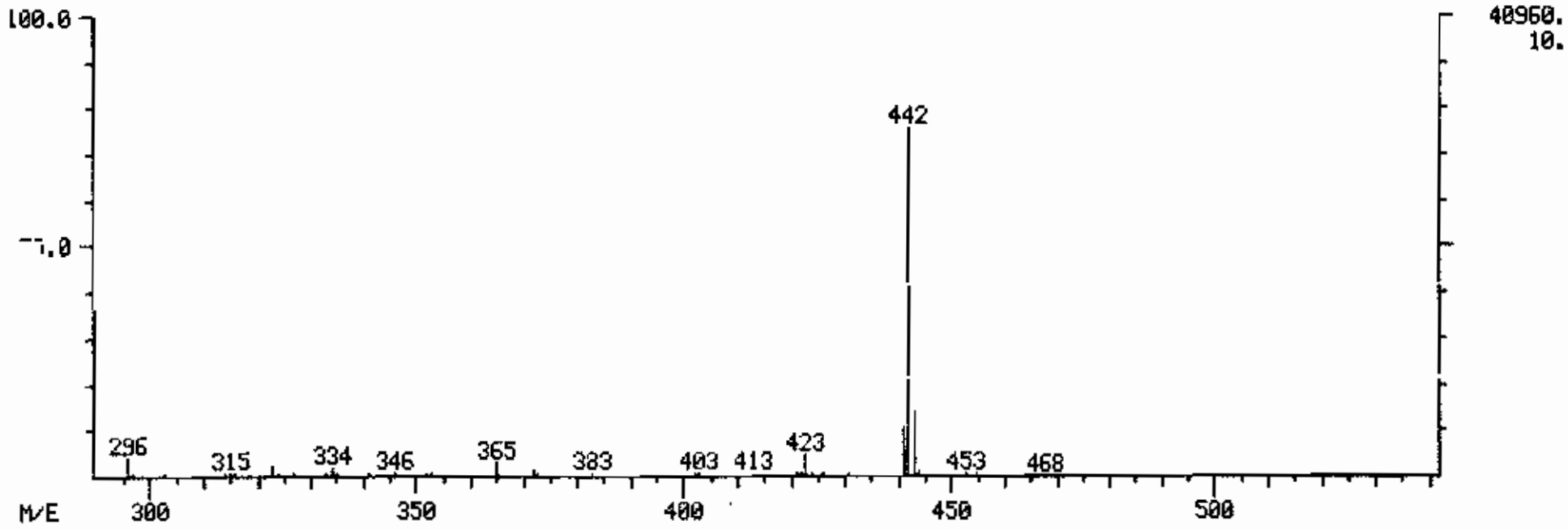
COMPUCHEM LABS

MASS SPECTRUM
05/20/86 21:26:00 + 4:45
SAMPLE: 1 UL DFTPP #7050(17022)
#315 TO #316 SUMMED

DATA: DK860520B15 #315

BASE M/E: 198
RIC: 309760.





COMPUCHEM LABS

MASS LIST DATA: DK860520815 # 315 BASE M/E: 198
05/20/86 21:26:00 + 4:45 RIC: 309760.
AMPLE: 1 UL DFTPP #7050(17822)
#315 TD #316 SUMMED

41 0.00 MINIMA MIN INTEN: 101. MAX INTEN: 40960.
475 # 0 MAXIMA

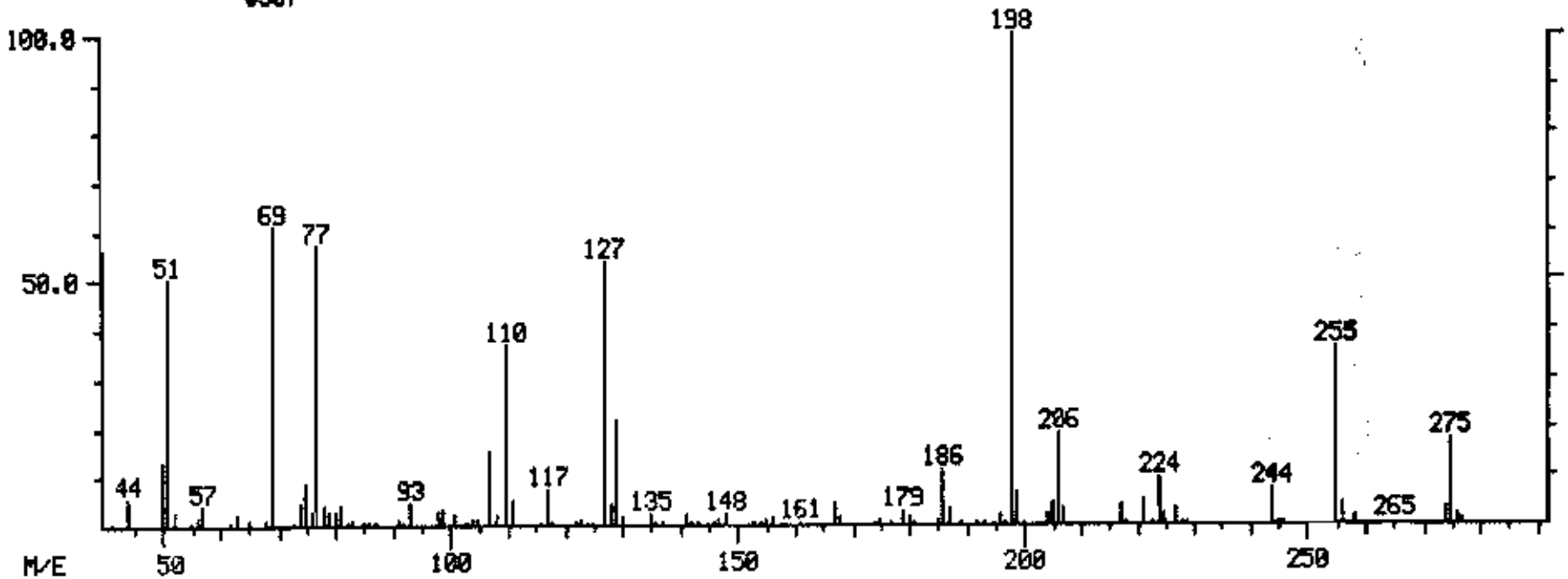
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	0.49	118	0.53	191	0.42	282	0.26
42	0.28	122	0.65	192	0.99	283	0.33
44	17.55	123	1.28	193	1.04	284	0.29
45	0.77	124	0.62	196	2.06	285	0.38
49	0.73	125	0.40	197	0.44	288	0.27
50	8.65	127	41.09	198	100.00	289	0.30
51	32.66	128	4.00	199	6.74	296	3.89
52	1.56	129	15.61	203	0.54	297	0.66
55	0.65	130	1.64	204	2.52	303	0.57
56	0.93	131	0.54	205	3.75	314	0.59
57	2.55	133	0.39	206	17.89	315	0.61
61	0.55	134	0.26	207	4.51	316	0.43
62	0.60	135	1.33	208	1.14	323	2.18
63	1.25	136	0.99	209	0.78	324	0.53
65	0.81	137	1.04	211	1.50	327	0.43
68	0.70	141	1.70	215	0.31	333	0.33
69	35.63	142	0.72	217	5.07	334	1.61
70	0.26	143	0.39	218	0.84	335	0.37
73	0.72	147	1.15	221	5.95	336	0.25
74	3.09	148	2.10	222	0.25	341	0.47
75	5.58	149	0.66	224	10.18	346	0.48
76	1.95	153	0.74	225	2.65	352	0.56
77	36.95	154	0.39	227	3.77	353	0.29
78	2.85	155	1.29	228	0.70	354	0.69
79	1.84	156	1.68	229	0.99	365	2.65
80	2.02	158	0.40	231	0.54	372	1.25
81	2.70	160	0.67	233	0.25	373	0.34
82	0.67	161	0.99	235	0.58	381	0.25
83	1.08	165	0.62	236	0.44	383	0.37
85	0.76	166	0.49	239	0.39	391	0.30
86	0.84	167	3.23	241	0.29	392	0.26
87	0.47	168	2.26	242	0.54	402	0.46
91	0.73	169	0.48	243	0.39	403	0.69
92	0.32	172	0.42	244	7.82	413	0.36
93	3.53	173	0.37	245	1.15	421	0.70
96	0.72	174	1.12	246	1.39	422	0.57
97	0.25	175	1.16	247	0.28	423	4.32
98	2.38	176	0.74	253	0.81	424	0.72
99	2.71	177	1.02	255	39.49	426	0.29
101	1.55	178	0.33	256	5.96	431	0.29
103	0.68	179	2.68	257	0.58	441	10.47
104	0.80	180	1.60	258	2.19	442	75.78
105	0.83	181	0.90	259	0.49	443	14.16
107	11.00	182	0.35	265	1.33	444	1.28
108	1.68	184	0.51	273	1.11	453	0.32
110	25.74	185	1.56	274	3.99	455	0.31
111	3.77	186	10.02	275	19.59	468	0.27
112	0.45	187	3.87	276	2.49	475	0.35
116	0.77	188	0.35	277	1.60		
117	6.05	189	0.34	281	0.51		

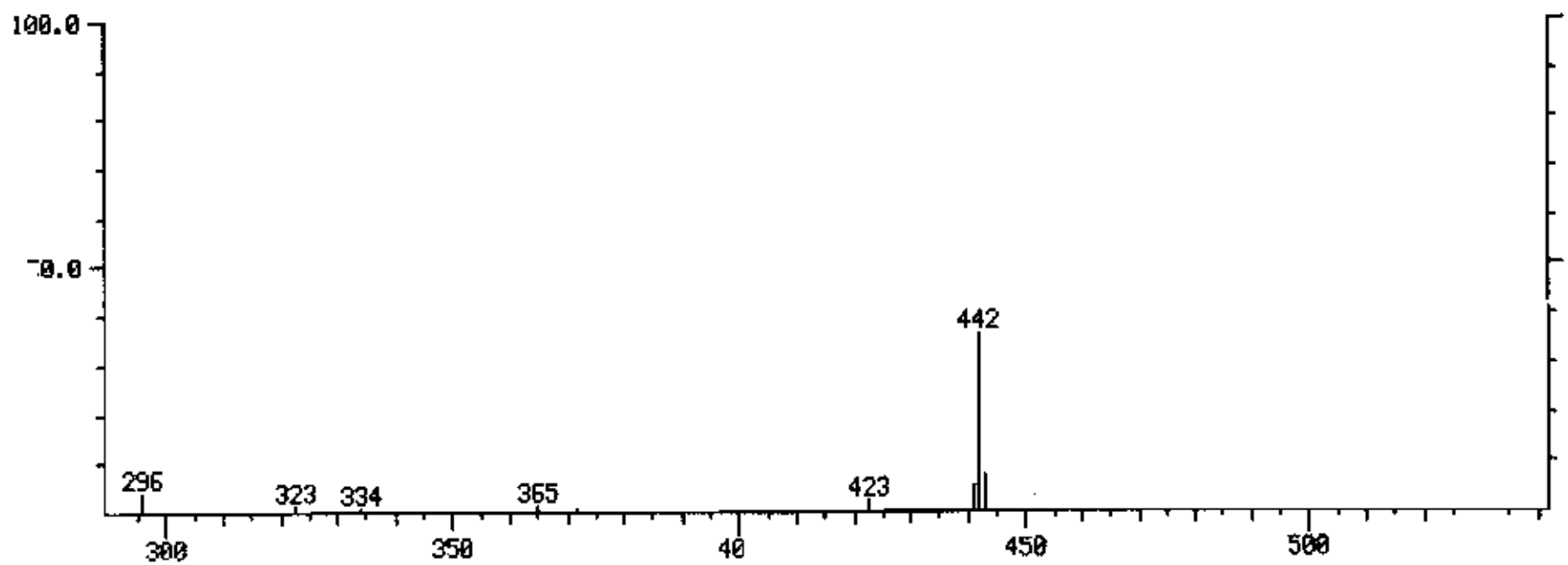
COMPUCHEM LABS

MASS SPECTRUM
05/22/86 0:23:00 + 4:37
SAMPLE: 1UL DFTPP 17822 #7050
#307

DATA: DI060522C15 #307

BASE M/E: 198
RIC: 297472.





COMPUCHEM LABS

.ABS LIST DATA: DI860522C15 # 307 BASE M/E: 198
05/22/86 0:23:00 + 4:37 RIC: 177920.
SAMPLE: 1UL DFTPP 17822 #7050
ENHANCED (S 15B 2N 0T)

41 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 22592.
444 # 0 MAXIMA

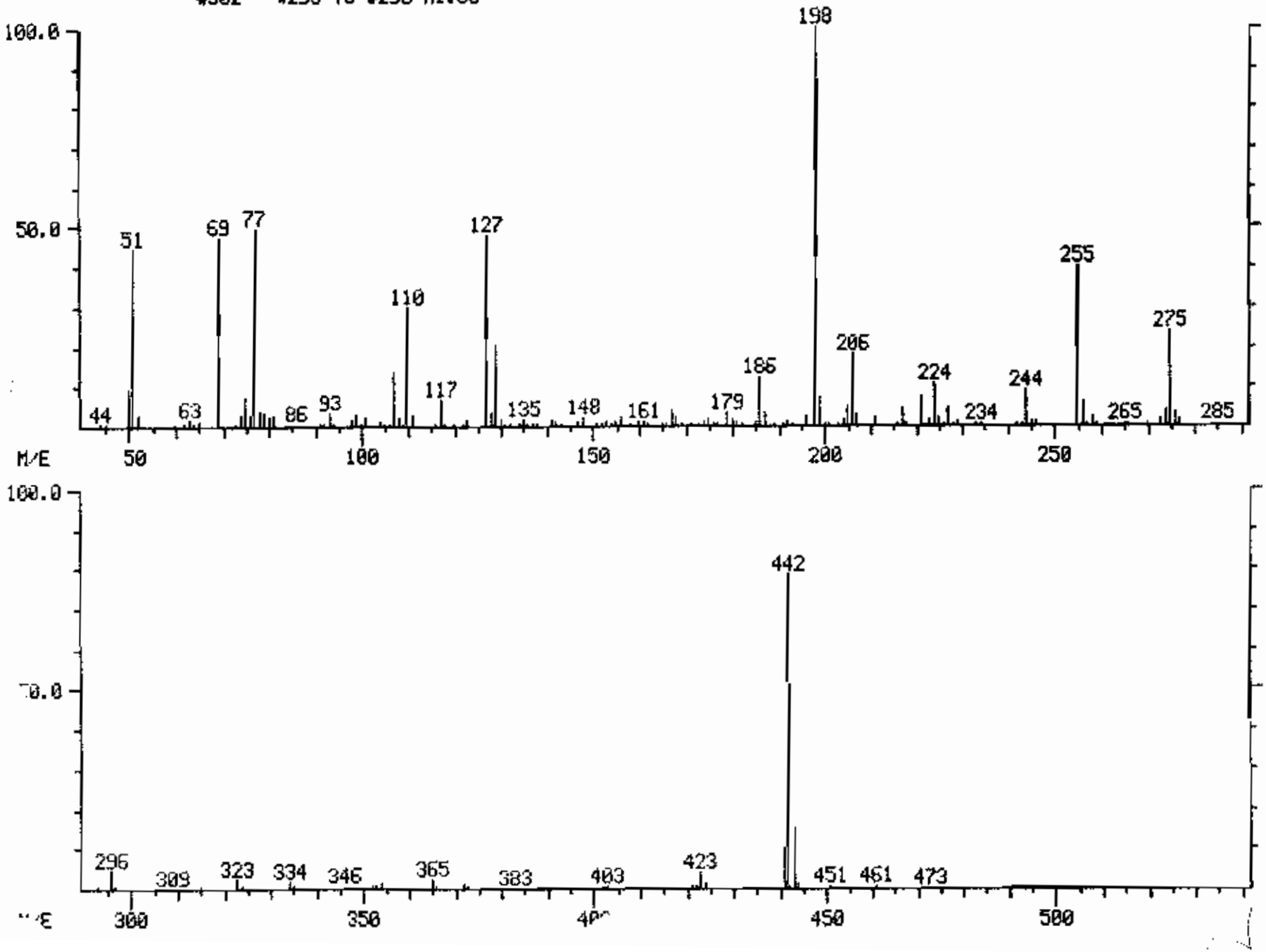
MASS	% RA	MASS	% RA	MASS	% RA
41	0.54	127	54.39	205	3.95
44	1.23	128	4.27	206	18.38
49	0.55	129	21.71	207	2.77
50	13.62	130	1.42	208	0.42
51	56.44	133	0.17	211	0.47
52	2.71	135	2.10	217	3.61
55	0.69	136	0.56	218	0.26
56	1.76	137	0.34	221	4.36
57	4.38	141	1.94	223	0.51
61	0.17	142	0.57	224	9.19
62	0.57	143	0.40	225	1.81
63	2.08	146	0.36	227	3.13
65	1.01	147	0.96	228	0.36
68	1.15	148	1.85	229	0.42
69	66.57	149	0.12	231	0.19
71	0.19	153	0.26	243	0.20
74	4.82	154	0.40	244	6.77
75	8.85	155	0.80	245	0.69
76	2.51	156	1.43	246	0.73
77	60.48	160	0.22	255	36.61
78	4.21	161	0.59	256	4.50
79	3.27	162	0.17	258	1.56
80	2.49	165	0.25	259	0.19
81	3.79	166	0.22	265	0.33
82	0.66	167	4.02	273	0.71
83	1.09	168	1.89	274	3.31
85	0.45	169	0.16	275	17.76
86	0.51	173	0.19	276	1.89
91	0.89	174	0.56	277	0.96
92	0.51	175	1.12	293	0.19
93	4.54	177	0.46	296	4.11
94	0.25	179	2.50	297	0.28
95	0.15	180	1.59	323	1.05
98	2.74	181	0.68	334	0.40
99	3.35	184	0.19	365	1.32
101	2.15	185	1.12	372	0.39
103	0.43	186	11.10	423	2.90
104	0.89	187	3.33	441	8.49
105	0.85	189	0.28	442	62.11
107	15.46	191	0.19	443	11.88
108	2.05	192	0.43	444	0.34
110	37.32	193	0.73		
111	5.02	196	1.93		
116	0.28	197	0.27		
117	7.20	198	100.00		
118	0.50	199	6.51		
122	0.34	200	0.28		
123	1.13	202	0.20		
124	0.28	203	0.21		

COMPUCHEM LABS

MASS SPECTRUM
05/22/86 16:43:00 + 4:33
SAMPLE: 1 UL DFTPP #7050(17822)
#302 - #295 TO #296 X1.00

DATA: DH860522B15 #302

BASE M/E: 198
RIC: 221952.



COMPUCHEM LABS

MASS LIST DATA: DH860522B15 #302 BASE M/E: 198
05/22/86 16:43:00 + 4:33 RIC: 221952.
SAMPLE: 1 UL DFTPP #7050(17822)
#302 - #295 TO #296 X1.00

44 0.00 MINIMA MIN INTEN: 61. MAX INTEN: 27360.
475 # 0 MAXIMA

MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
44	0.55	128	3.33	186	12.19	266	0.44
45	0.54	129	20.06	187	3.11	270	0.31
48	0.25	130	1.65	189	0.41	273	1.65
50	9.81	131	0.49	191	0.59	274	4.09
51	44.68	132	0.34	192	1.40	275	23.54
52	2.84	134	0.52	193	0.75	276	3.36
60	0.75	135	1.82	196	2.40	277	1.94
62	0.73	136	0.51	197	0.24	285	0.44
63	1.54	137	0.52	198	100.00	293	0.42
64	0.45	138	0.53	199	7.37	296	4.56
65	0.89	141	1.81	200	0.78	297	0.80
69	47.72	142	1.02	201	0.31	299	0.28
73	0.36	143	0.63	203	0.64	302	0.37
74	2.85	144	0.26	204	1.92	303	0.55
75	7.57	145	0.23	205	4.85	309	0.23
76	2.65	147	0.96	206	18.22	315	0.72
77	49.59	148	2.11	207	3.04	323	2.38
78	3.95	149	0.22	211	1.98	324	0.57
79	3.28	150	0.23	212	0.25	327	0.51
80	2.39	151	0.33	216	0.58	334	1.45
81	2.83	152	0.30	217	4.74	335	0.51
86	0.61	153	1.12	218	0.76	346	0.51
87	0.27	154	0.36	221	7.16	352	0.54
88	0.23	155	0.97	223	1.46	353	0.60
91	0.45	156	2.05	224	11.01	354	0.99
92	0.55	158	0.71	225	2.54	365	2.50
93	3.40	159	0.26	226	0.29	366	0.44
94	0.32	160	0.92	227	4.70	372	1.21
95	1.77	161	1.26	228	0.60	373	0.48
99	2.67	162	0.50	229	0.87	383	0.23
100	0.34	163	0.25	233	0.31	402	0.34
101	2.02	164	0.28	234	0.44	403	0.57
103	0.28	165	0.61	235	0.25	415	0.23
104	1.24	166	0.37	239	0.28	417	0.25
105	0.84	167	3.99	240	0.23	421	0.82
106	0.52	168	2.33	242	0.60	422	0.58
107	13.32	169	0.39	243	0.71	423	4.23
108	2.01	171	0.32	244	9.06	424	0.89
109	0.52	172	0.28	245	1.35	441	10.10
110	30.06	173	0.51	246	1.36	442	78.48
111	2.89	174	0.91	247	0.47	443	15.32
112	0.27	175	1.89	249	0.36	444	1.15
116	0.37	176	0.75	252	0.25	451	0.35
117	6.66	177	0.67	253	0.26	461	0.38
118	0.59	179	3.12	255	40.06	467	0.23
119	0.23	180	1.85	256	6.34		
120	0.41	181	1.00	257	0.66		
122	0.46	182	0.43	258	2.08		
123	1.44	183	0.23	259	0.33		

B. BFB

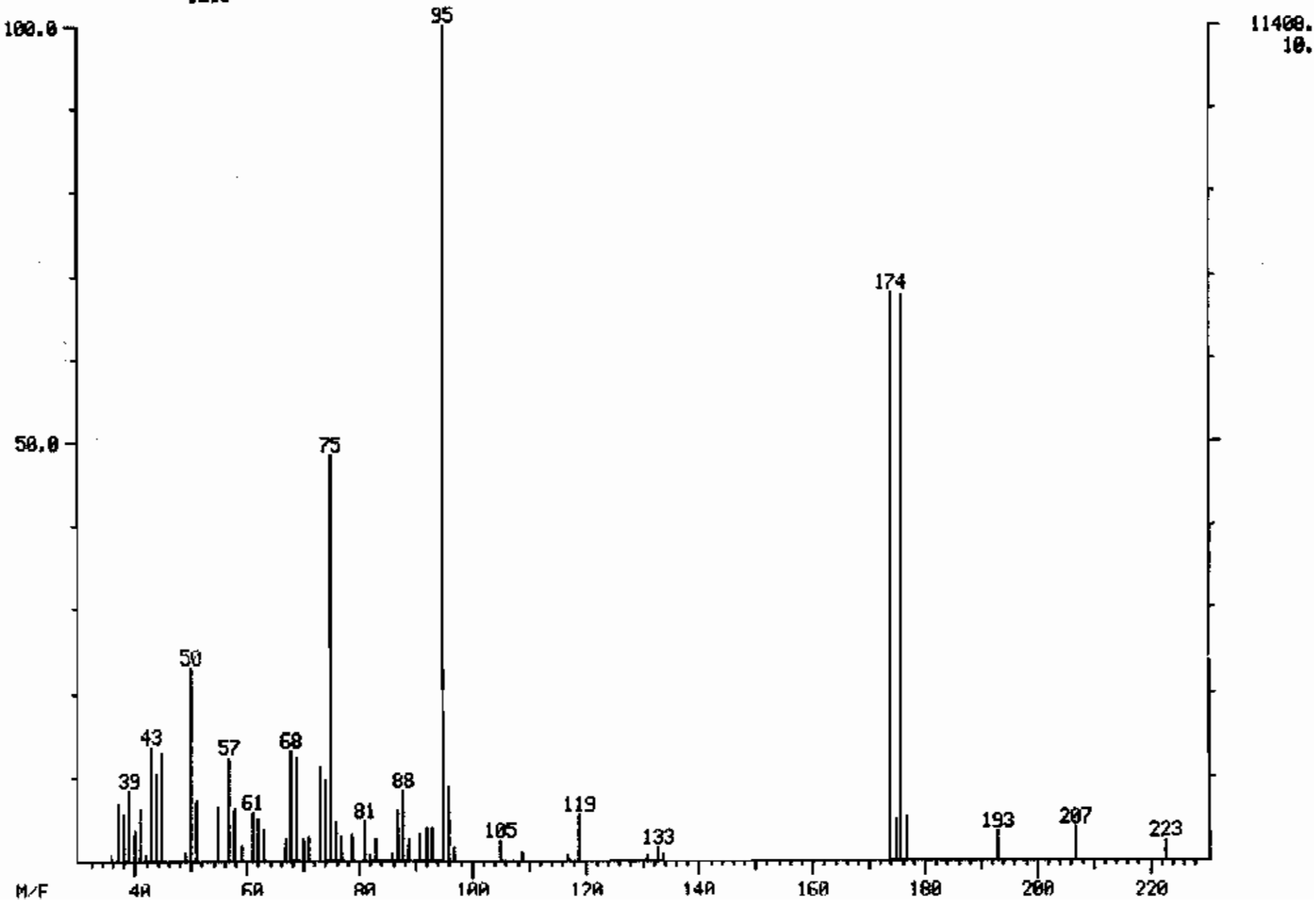
- Bar Graph Spectrum
- Mass Listing

COMPUCHEM LABS

MASS SPECTRUM
05/07/86 14:41:00 + 10:56
SAMPLE: 2UL BFB LOT#17648
#215

DATA: BF860507A10 #215

BASE M/E: 95
RIC: 65152.



COMPUCHEM LABS

MASS LIST DATA: BFB60507A18 # 215 BASE M/E: 95
85/07/06 14:41:00 + 10:56 RIC: 65152.
MPLE: 2UL BFB LOT#17640
#215

36 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 11408.
223 # 0 MAXIMA

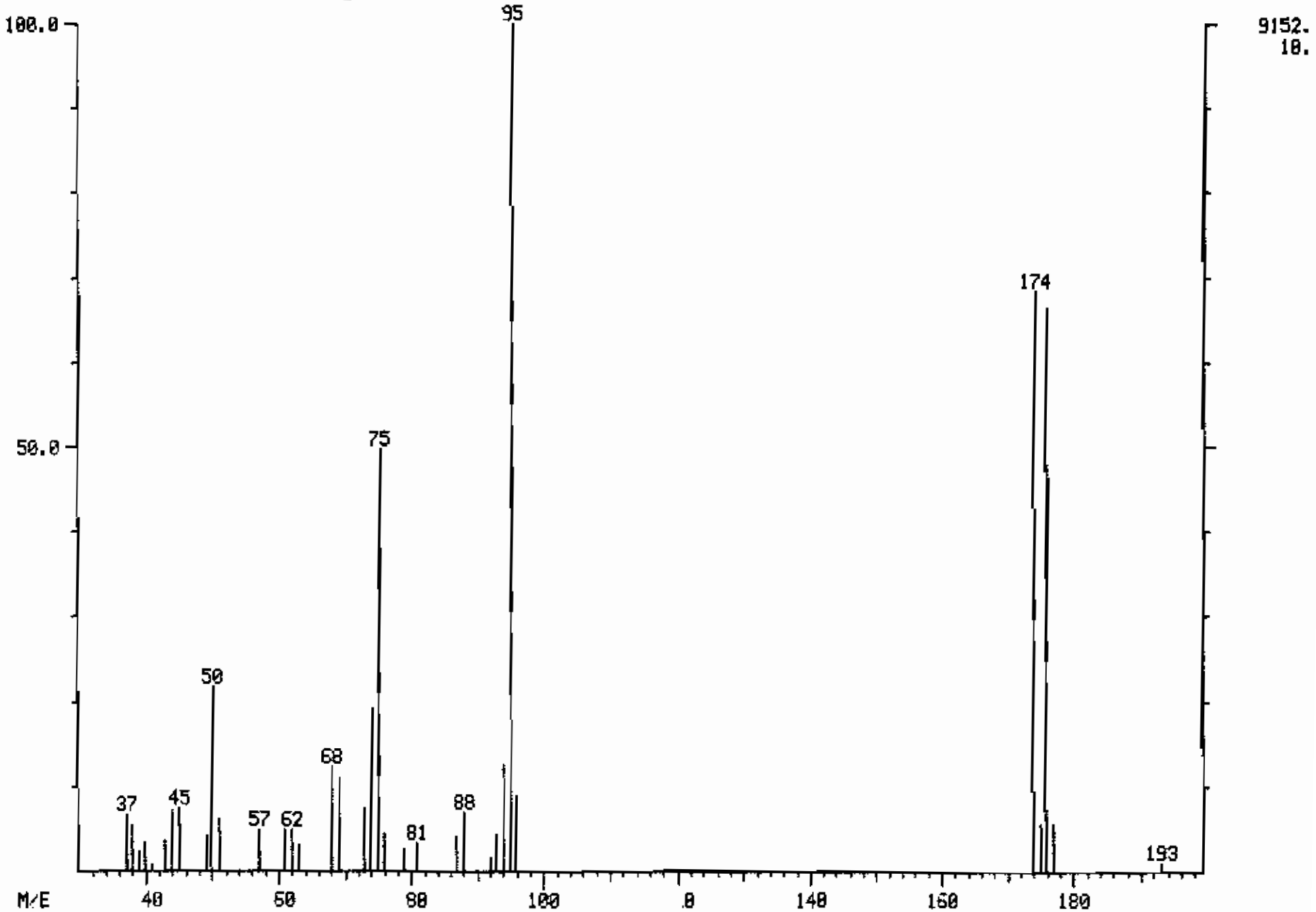
MASS	% RA	MASS	% RA
36	0.67	134	0.78
37	6.77	174	67.74
38	5.43	175	4.87
39	8.27	176	67.53
40	3.68	177	5.36
41	6.40	193	3.37
42	0.73	207	4.00
43	13.60	223	2.29
44	10.54		
45	12.90		
49	1.03		
50	22.97		
51	7.41		
55	6.57		
57	12.41		
58	6.41		
59	1.85		
61	5.65		
62	5.04		
63	3.55		
67	2.63		
68	13.01		
69	12.27		
70	2.51		
71	2.98		
73	11.33		
74	9.62		
75	48.46		
76	4.77		
77	2.80		
79	3.14		
81	4.71		
82	0.73		
83	2.67		
86	0.79		
87	5.97		
88	8.27		
89	2.50		
91	3.04		
92	3.83		
93	3.96		
95	100.00		
96	8.82		
97	1.56		
105	2.31		
109	0.99		
117	0.90		
119	5.44		
131	0.77		
133	1.50		

COMPUCHEM LABS

MASS SPECTRUM
05/14/86 22:15:00 + 11:11
SAMPLE: 2 ULS. BF0

DATA: BF860514018 #220

BASE M/E: 95
RIC: 44096.



COMPUCHEM LABS

MASS LIST DATA: BF860514B18 # 220 BASE M/E: 95
05/14/86 22:15:00 + 11:11 RIC: 44096.
SAMPLE: 2 ULS. BFB

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 9152.
193 # 0 MAXIMA

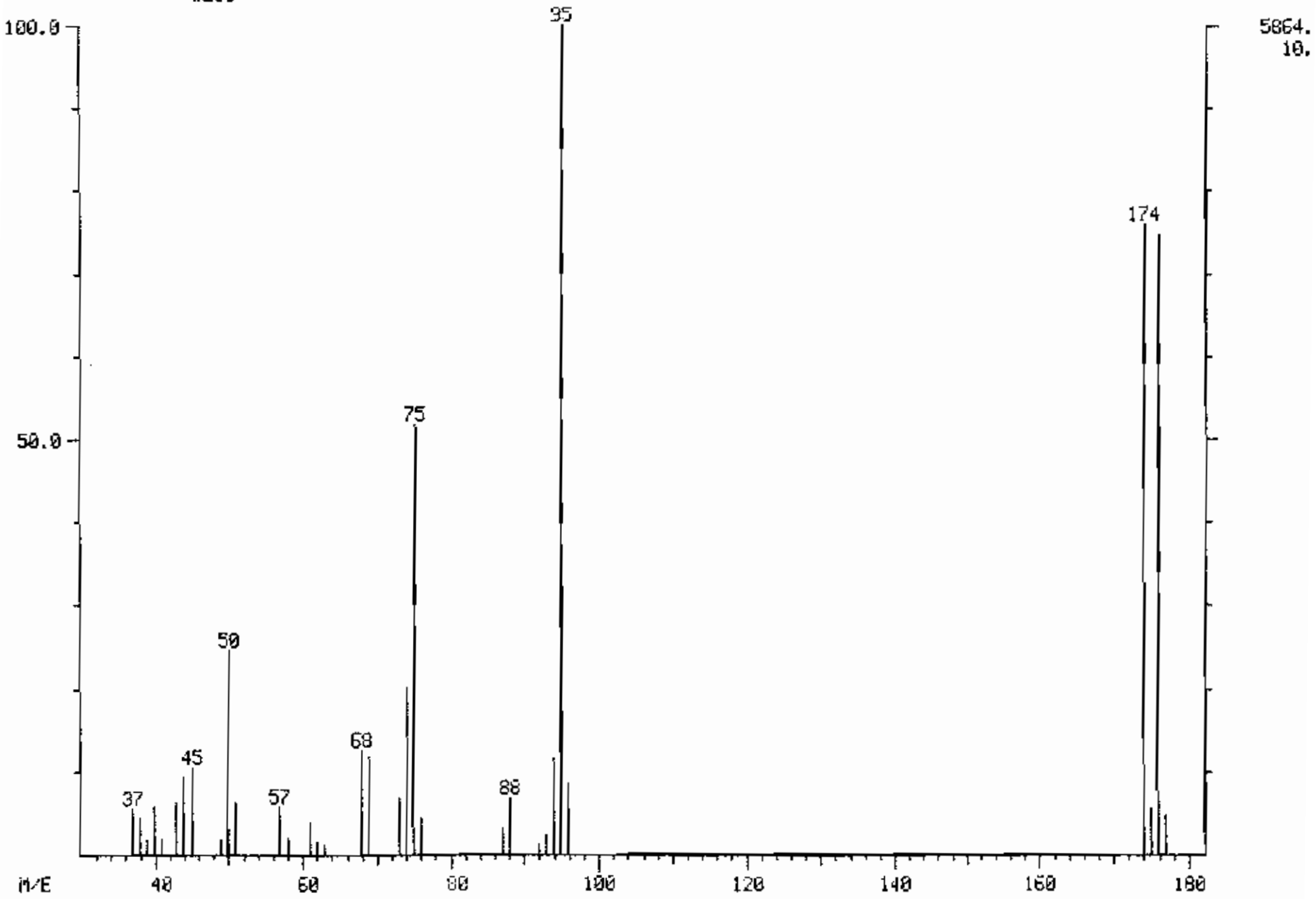
MASS	% RA
37	6.55
38	5.27
39	2.35
40	3.31
41	0.84
43	3.51
44	7.21
45	7.33
49	4.18
50	21.81
51	6.13
57	4.83
61	4.77
62	4.87
63	2.98
68	12.22
69	11.07
73	7.42
74	19.14
75	49.74
76	4.38
79	2.48
81	3.22
87	4.15
88	6.98
92	1.48
93	4.39
94	12.52
95	100.00
96	8.93
174	68.44
175	5.58
176	66.43
177	5.63
193	1.11

COMPUCHEM LABS

MASS SPECTRUM
05/15/86 10:42:00 + 11:05
SAMPLE: 2UL BFB LOT#17648
#218

DATA: BF860515A18 #218

BASE M/E: 95
RIC: 29120.



COMPUCHEM LABS

MASS LIST DATA: BFB60515A18 # 218 BASE M/E: 95
05/15/86 10:42:00 + 11:05 RIC: 29120.
SAMPLE: 2UL BFB LOT#17648
`218

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 5864.
177 # 0 MAXIMA

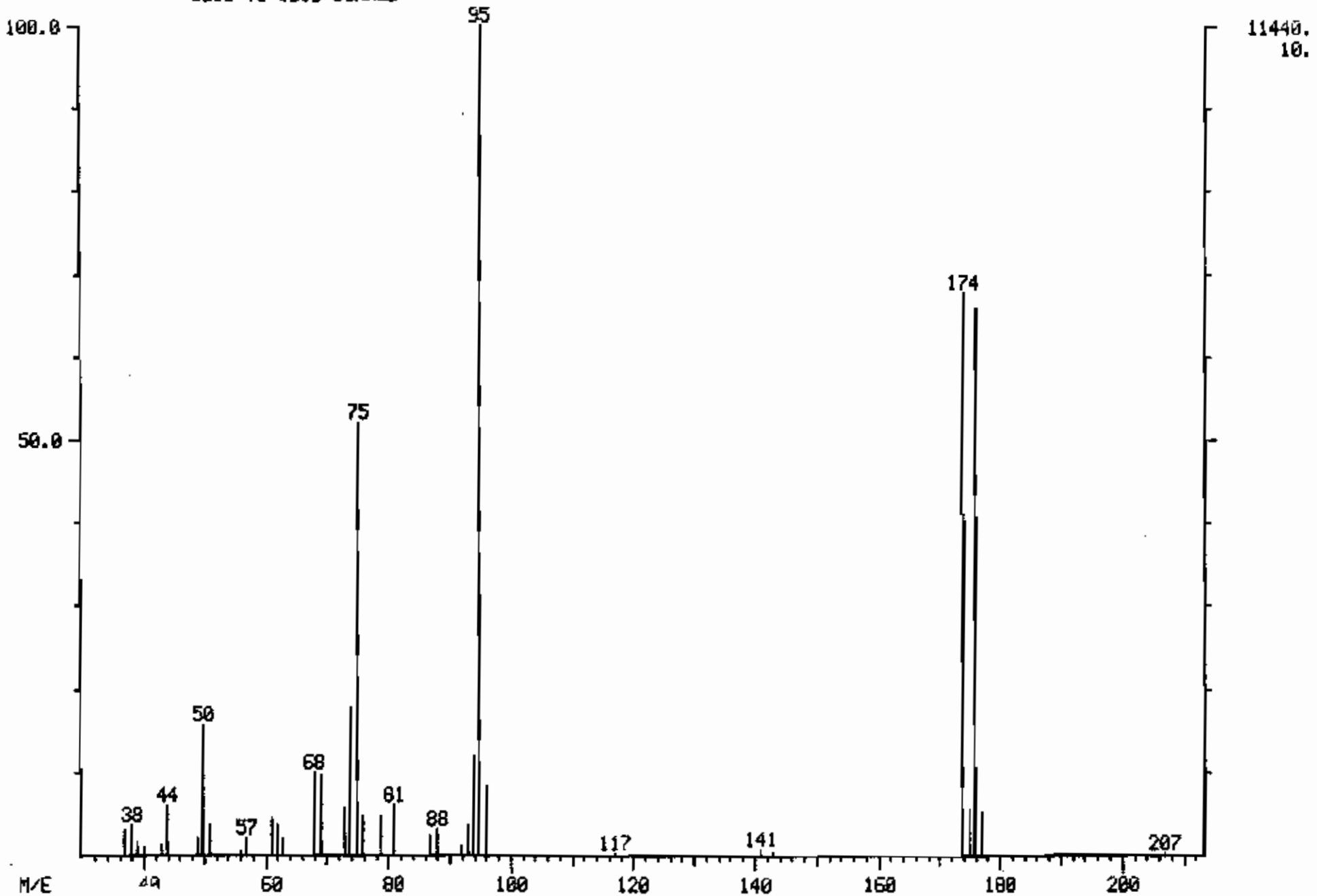
MASS	% RA
37	5.61
38	4.55
39	1.79
40	5.88
41	1.84
43	6.22
44	9.55
45	10.50
49	1.77
50	24.59
51	6.36
57	5.80
58	2.11
61	4.01
62	1.60
63	1.42
68	12.48
69	11.68
73	6.70
74	20.19
75	51.91
76	4.55
87	3.14
88	6.70
92	1.42
93	2.35
94	11.60
95	100.00
96	8.70
174	75.99
175	5.59
176	74.49
177	4.76

COMPUCHEM LABS

MASS SPECTRUM
05/16/86 10:23:00 + 11:05
SAMPLE: 2UL BFB LOT#17648
#218 TO #219 SUMMED

DATA: BF860516A19 #218

BASE M/E: 95
RIC: 50368.



COMPUCHEM LABS

MASS LIST
DATA: BFB60516A19 # 219
BASE M/E: 95
05/16/86 10:23:00 + 11:05
RIC: 5036B.
SAMPLE: 2UL BFB LOT#17648
#218 TO #219 SUMMED

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 11440.
207 # 0 MAXIMA

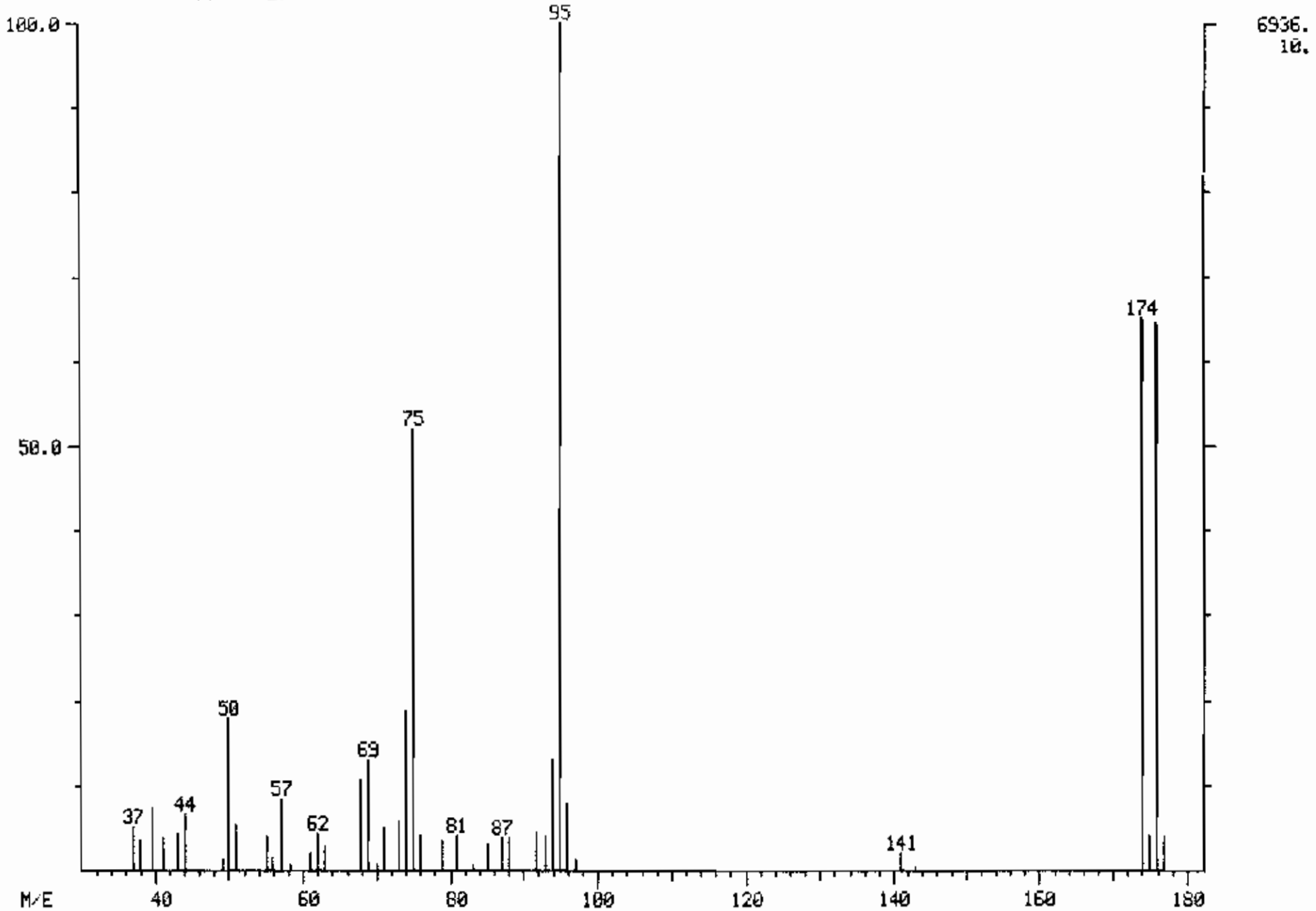
MASS	% RA
37	3.27
38	3.58
39	1.55
40	1.13
43	1.31
44	5.91
49	2.12
50	15.68
51	3.79
56	0.45
57	2.22
61	4.47
62	3.79
63	2.18
68	9.95
69	9.72
73	5.71
74	17.85
75	52.10
76	4.62
79	4.72
81	5.93
87	2.34
88	3.26
92	1.05
93	3.71
94	11.94
95	100.00
96	8.51
117	0.36
141	0.68
143	0.52
174	67.76
175	5.59
176	65.94
177	5.33
207	0.37

COMPUCHEM LABS

MASS SPECTRUM
05/20/86 2:18:00 + 11:45
SAMPLE: 2UL #17790 ON #19

DATA: BF860520C19 #231

BASE M/E: 95
RIC: 33280.



COMPUCHEM LABS

MASS LIST
DATA: BF860520C19 # 231
BASE M/E: 95
05/20/86 2:18:00 + 11:45
RIC: 33280.
SAMPLE: 2UL #17790 ON #19

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 6936.
177 # 0 MAXIMA

MASS	% RA
37	5.03
38	3.60
40	7.37
41	3.82
43	4.46
44	6.63
49	1.34
50	17.88
51	5.32
55	4.17
56	1.50
57	8.35
58	0.66
61	1.92
62	4.30
63	2.80
68	10.63
69	13.11
70	0.72
71	5.16
73	5.94
74	18.80
75	52.02
76	4.02
79	3.50
81	4.17
83	0.68
85	3.04
87	3.91
88	3.81
92	4.51
93	4.20
94	12.99
95	100.00
96	8.03
97	1.25
141	2.09
143	0.63
174	65.05
175	4.07
176	64.59
177	3.98

C. BLANK DATA

1. Tabulated results (Form I)
2. GC/MS tentative ID sheet (Form I, Part B) even if none found
3. Raw Data — in order: VOA, BNA, Pesticide
   a. Reconstructed ion chromatogram(s) and quantitation report(s) or legible facsimile (GC/MS)
   b. Chromatogram(s) and data system printout(s) (GC)
   c. HSL spectra with lab generated standard (dual display)
   d. GC/MS library search spectra for Tentatively Identified Compounds (TIC)
   e. Quantitation/Calculation of Tentative ID concentrations
   f. Work Sheets
      - Analysis
      - Extraction
      - Compound Lists
      - Miscellaneous Calculation Sheets

      — Worksheets for each type of fraction are included. There are extraction worksheets, describing which samples are processed in a batch, and listing the associated method blank, date, analyst, standards used, and conditions. Analysis worksheets are used at the instrument station to denote condition of extracts, file names, standards used, dilutions, etc. Compound lists are the within-lab reporting forms used by the analysts to record hits and perform calculations to determine concentrations of compounds. Data is transferred from compound lists to EPA forms (OADS).
   g. Screening chromatogram(s) and GPC chromatogram(s) — if applicable

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GE860507B19
Sample matrix: solid
Data Release
Authorized By: _____

Case: URS WEST
QC Report No: _____
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed: 05-07-86
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 0%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	3.1	J	71-43-2	Benzene	5.0	U
67-64-1	Acetone	7.3	J	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

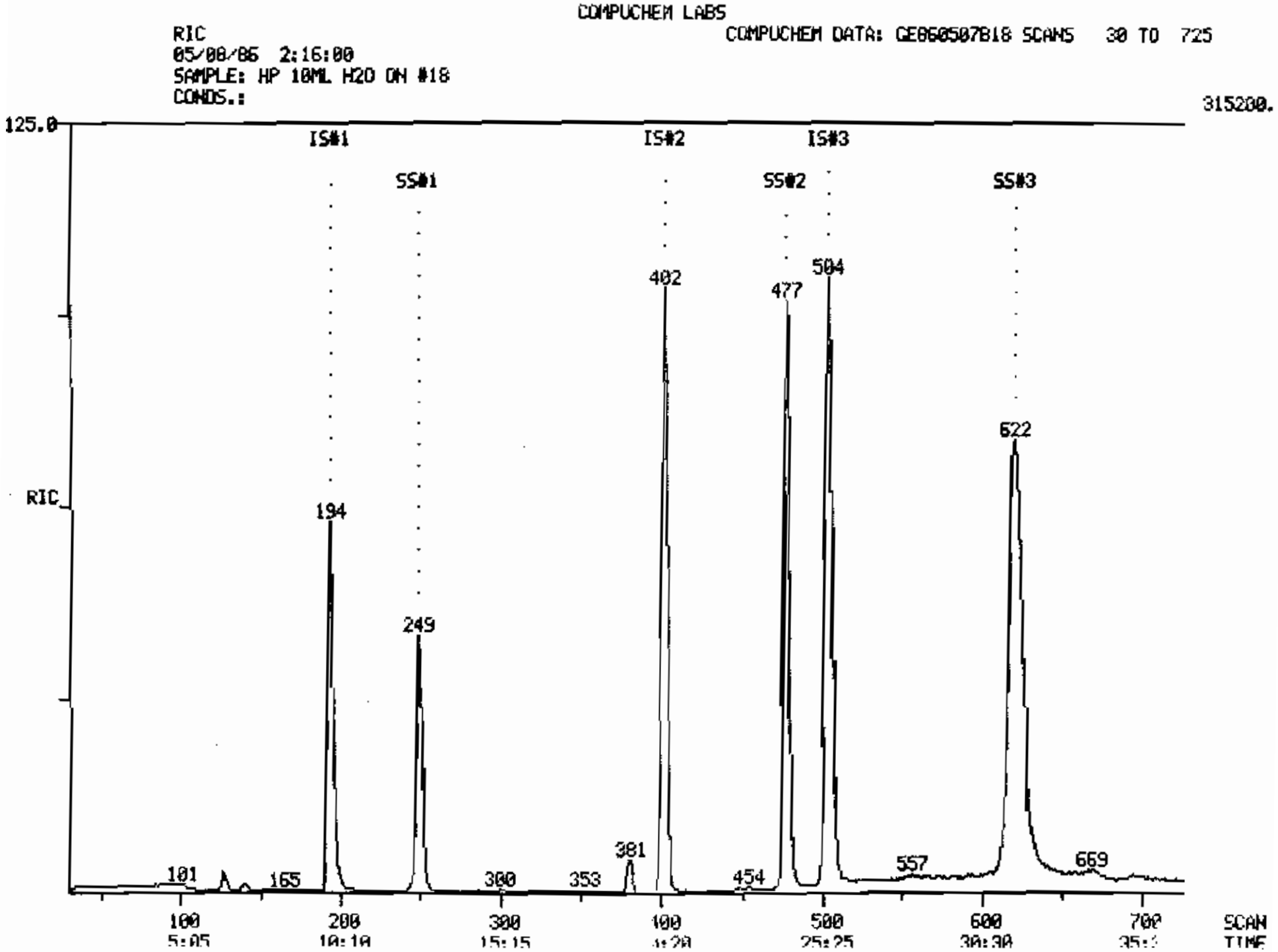
Case No: URS WEST

Sample Number: INSTRUMENT BLANK

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
05/08/86 2:16:00
SAMPLE: HP 10ML H2O ON #18
CONDS.:
COMPUCHEM DATA: GE860507B18 SCANS 30 TO 725
315200.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
101
165
194
249
300
353
381
402
454
477
504
557
622
669
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:35
SCAN
TIME

GS860507A18

INTERNAL STANDARD AREA MONITOR

FILE: GE860507B18

		PEAK AREA			
		SAMPLE	SHIFT STD	%DIFF	P/F
*234	BROMOCHLOROMETHANE	106965	91487	17	P
*24B	1,4-DIFLUOROBENZENE	423263	388723	9	P
*27B	D5-CHLOROBENZENE	374328	362507	9	P

Walt Hubbard
5/8/86

QUANTITATION REPORT FILE: GE860507B18

DATA: GE860507B18.TI
'08/86 2:16:00
SAMPLE: HP 10ML H2O ON #18
CONDS, :
SUBMITTED BY: 18 ANALYST: 891

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

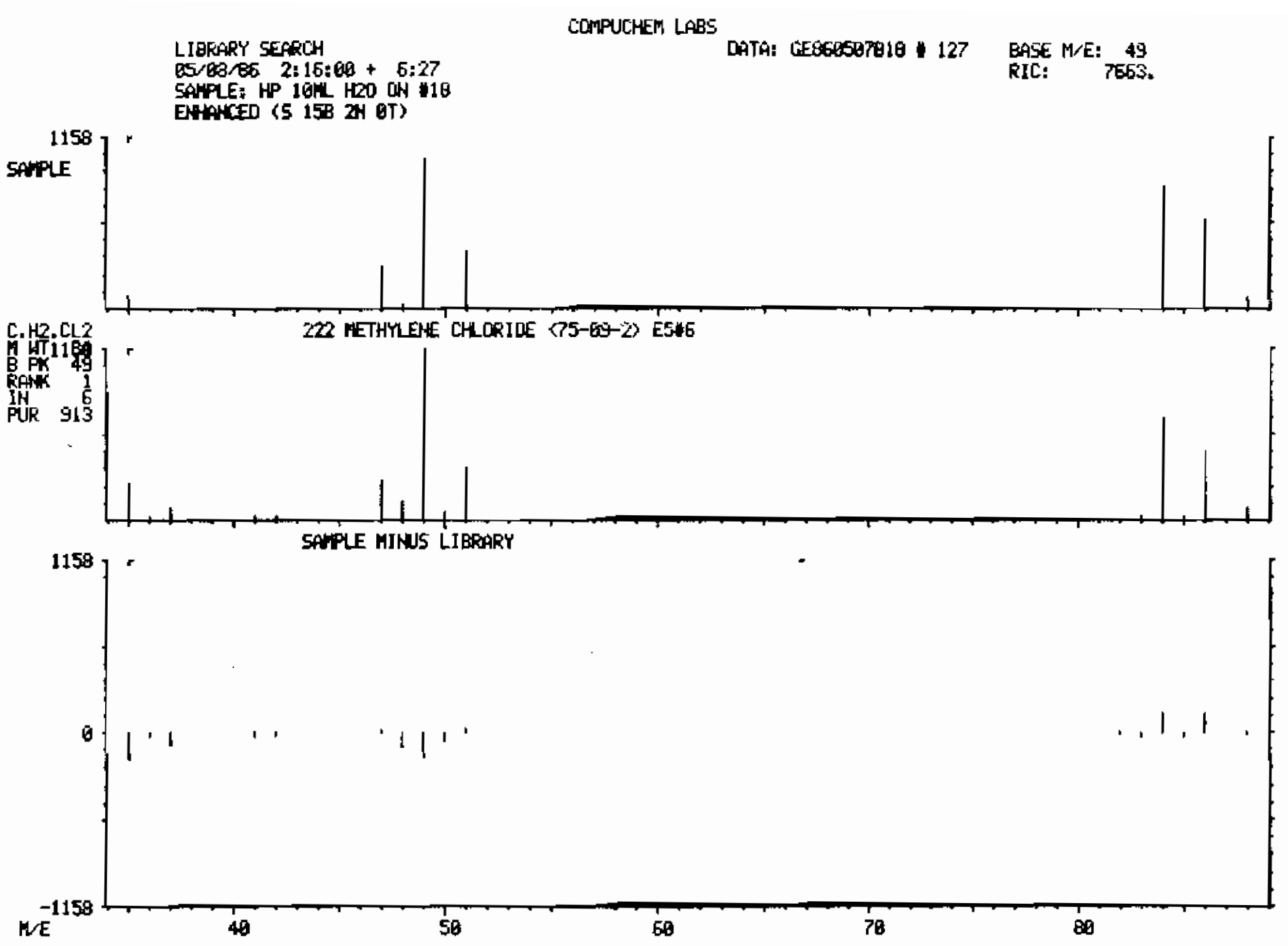
NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	194	9:52	1	1.000	A BB	106985.	50.000 UG/KG	16.46
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUNO								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	127	6:27	1	0.655	A BB	8735.	3.082	UG/KG	1.01
7	43	140	7:07	1	0.722	A BB	9711.	7.262	UG/KG	2.39
8	76	NOT FOUND								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	NOT FOUND								
13	62	NOT FOUND								
14	114	402	20:26	14	1.000	A BV	423263.	50.000	UG/KG	16.46
15	72	250	12:42	14	0.622	A BB	442.	1.541	UG/KG	0.51
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	NOT FOUND								
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	NOT FOUND								
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	504	25:37	29	1.000	A BB	394328.	50.000	UG/KG	16.46
30	43	NOT FOUND								
31	43	448	22:46	29	0.889	A BV	5190.	1.988	UG/KG	0.65
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	NOT FOUND								
35	112	NOT FOUND								
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	249	12:39	1	1.284	A BB	163461.	44.337	UG/KG	14.60
41	95	622	31:37	29	1.234	A*BB	339082.	48.438	UG/KG	15.95
42	98	477	24:15	1	2.459	A BV	395804.	47.095	UG/KG	15.51

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:31	0.94	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35		10.000			50.00		0.857	
3	2:26		10.000			50.00		1.380	
4	3:09		10.000			50.00		0.904	
5	4:01		10.000			50.00		0.456	
6	6:09	1.05	5.000	0.13	3.08	50.00	0.082	1.325	0.06
7	6:49	1.04	10.000	0.07	7.26	50.00	0.091	0.625	0.15
8	7:50		5.000			50.00		2.902	
9	9:09		5.000			50.00		1.114	
10	10:31		5.000			50.00		1.861	
11	11:17		5.000			50.00		1.270	
12	11:54		5.000			50.00		2.715	
13	12:39		5.000			50.00		1.988	
14	21:12	0.96	1.000	1.00	50.00	50.00	1.000	1.000	1.00

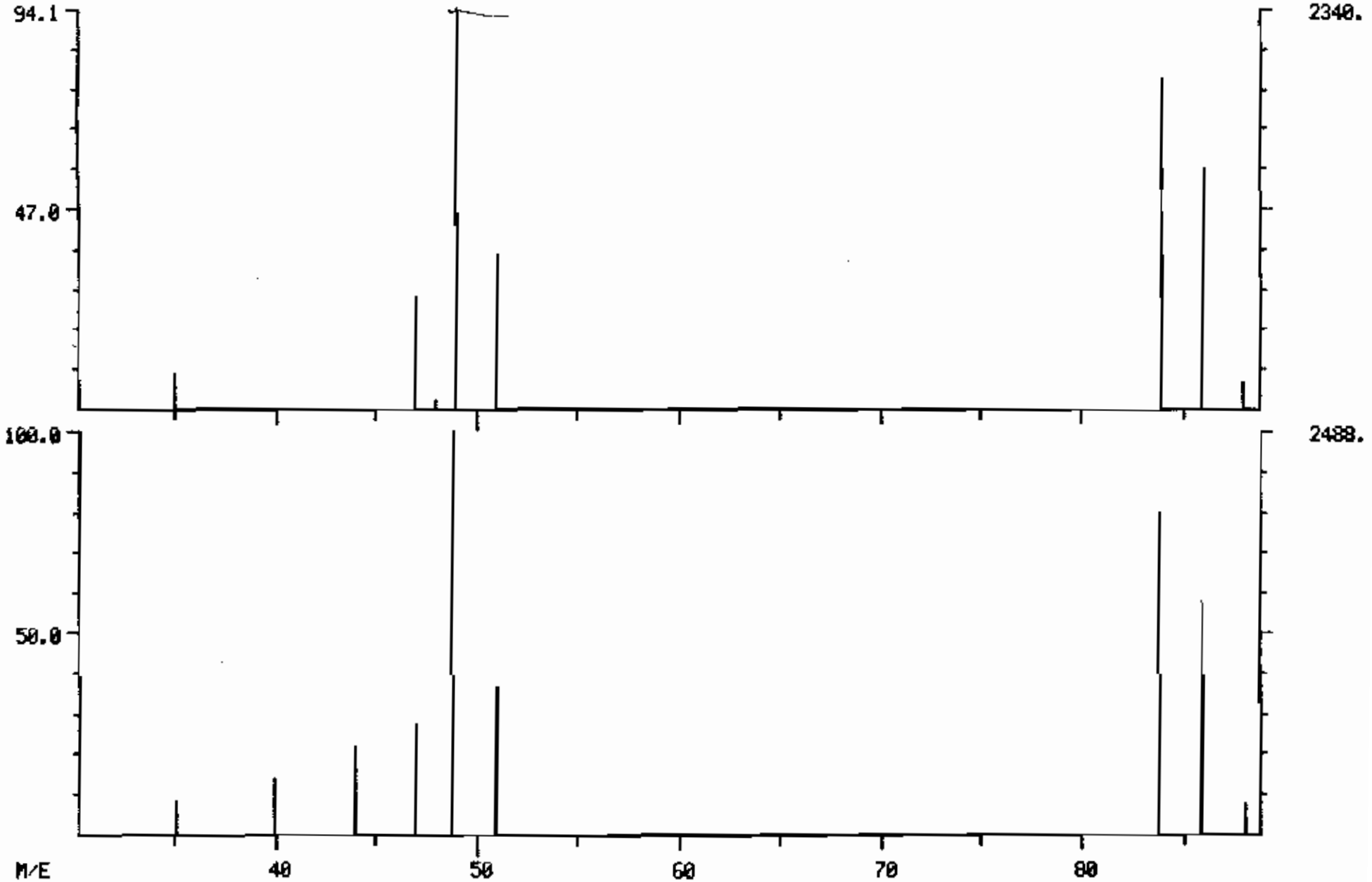
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:33	1.01	10.000	0.06	1.54	50.00	0.001	0.034	0.03
16	13:59		5.000			50.00		0.561	
17	14:23		5.000			50.00		0.610	
18	14:35		10.000			50.00		0.375	
19	14:57		5.000			50.00		0.604	
20	16:22		5.000			50.00		0.275	
21	16:37		5.000			50.00		0.431	
22	17:11		5.000			50.00		0.433	
23	17:51		5.000			50.00		0.560	
24	17:57		5.000			50.00		0.308	
25	17:44		5.000			50.00		0.818	
26	17:57		5.000			50.00		0.335	
27	19:04		10.000			50.00		0.208	
28	20:38		5.000			50.00		0.438	
29	26:23	0.97	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:09		10.000			50.00		0.433	
31	22:43	1.00	10.000	0.09	1.99	50.00	0.013	0.331	0.04
32	23:05		5.000			50.00		0.471	
33	22:59		5.000			50.00		0.616	
34	24:24		5.000			50.00		0.570	
35	25:40		5.000			50.00		0.904	
36	28:10		5.000			50.00		0.535	
37	33:33		5.000			50.00		0.971	
38	33:57		5.000			50.00		0.597	
39	35:23		5.000			100.00		0.563	
40	12:33	1.01	10.000	0.13	44.34	50.00	1.528	1.723	0.89
41	31:31	1.00	10.000	0.12	48.44	50.00	0.860	0.888	0.97
1	24:12	1.00	10.000	0.25	47.09	50.00	3.700	3.928	0.94


COMPUCHEM LABS
LIBRARY SEARCH
05/08/86 2:16:00 + 6:27
SAMPLE: HP 10ML H2O ON #10
ENHANCED (S 15B 2N 0T)
DATA: GE860507010 # 127
BASE M/E: 49
RIC: 7663.
1158
SAMPLE
C.H2.CL2
M WT1180
B PK 49
RANK 1
IN 6
PUR 913
222 METHYLENE CHLORIDE (75-09-2) ES#6
SAMPLE MINUS LIBRARY
1158
0
-1158
M/E
40
50
60
70
80

COMPUCHEM LABS

DUAL MASS SPECTRUM
05/08/86 2:16:00 + 6:27
SAMPLE: HP 10ML H2O ON #18
ENHANCED (S 15B 2N) 222 METHYLENE CHLORIDE (75-09-2) E5#6

DATA: GE860507B18 #127 BASE M/E: 49/ 49
RIC: 7663./ 8799.

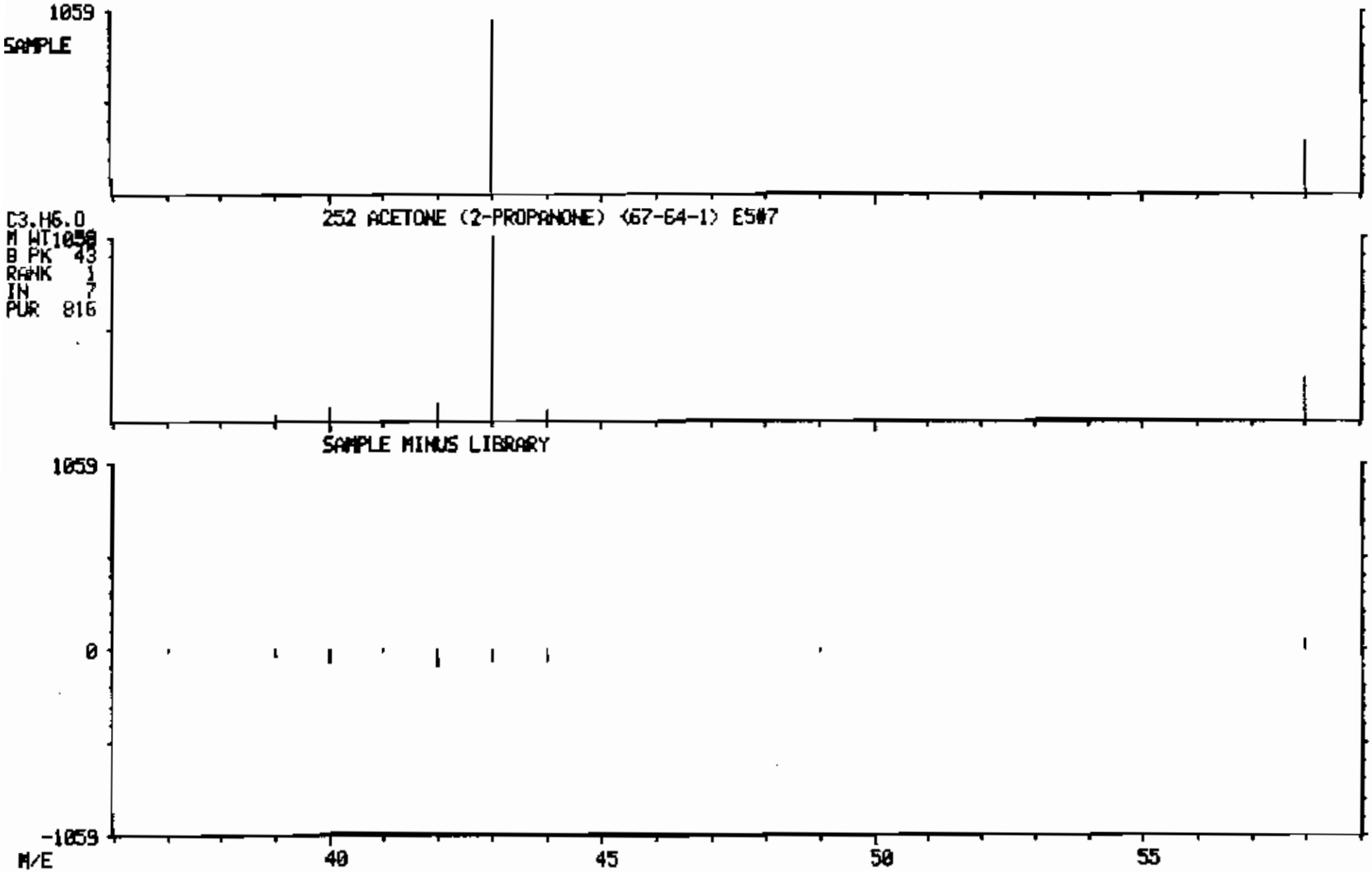


COMPUCHEM LABS

LIBRARY SEARCH
05/08/86 2:16:00 + 7:07
SAMPLE: HP 10ML H2O ON #18
ENHANCED (S 15B 2N 0T)

DATA: GE860507B18 # 140

BASE M/E: 43
RIC: 2599.

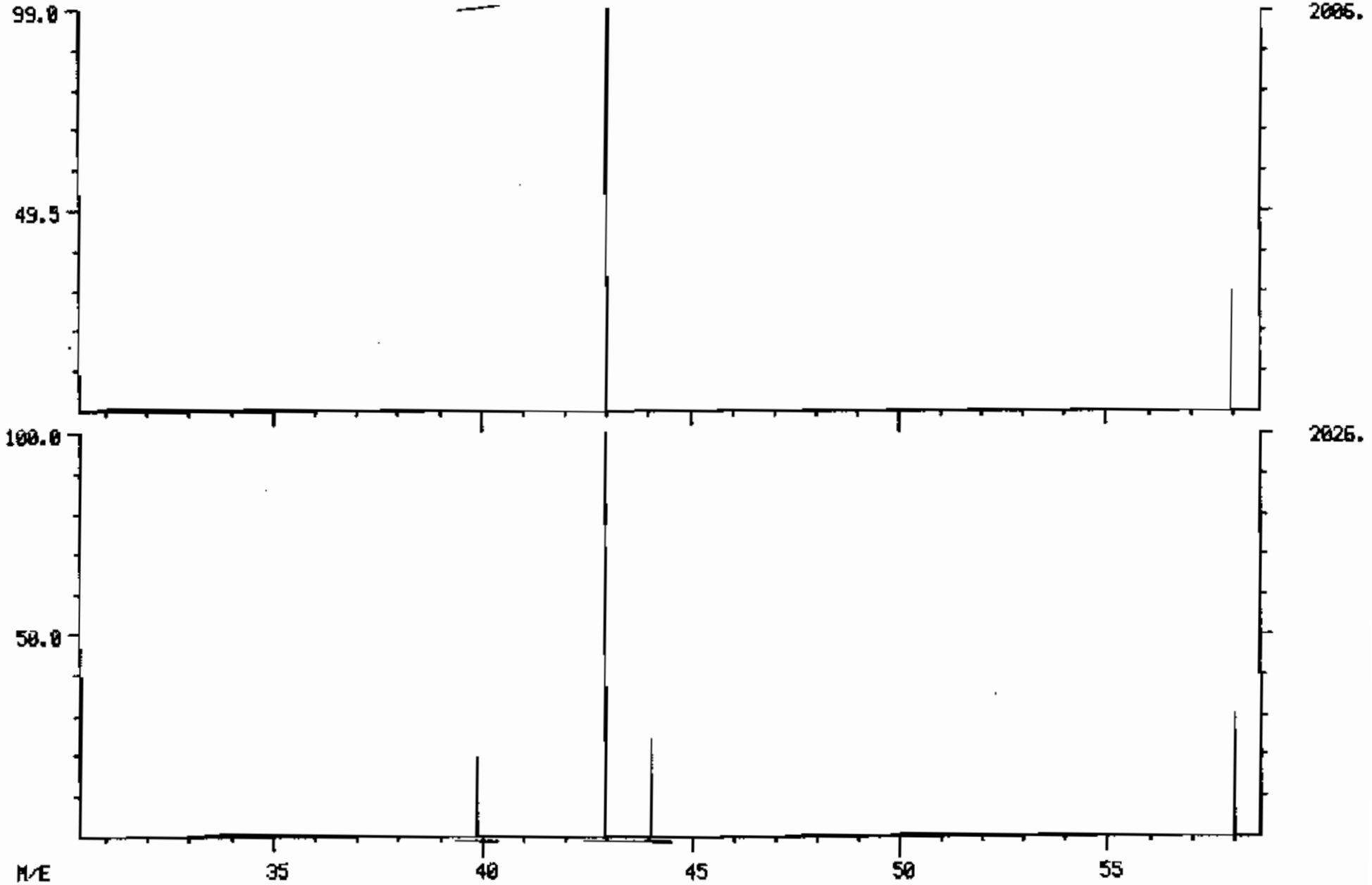


COMPUCHEM LABS

DUAL MASS SPECTRUM
05/08/86 2:16:00 + 7:07
SAMPLE: HP 10ML H2O ON #18
ENHANCED (S 150 2N)

DATA: GE860507B18 #140
BASE M/E: 43/ 43
RIC: 2599./ 3531.

252 ACETONE (2-PROPANONE) (67-64-1) ES#7



COMPUCHEM # B60507 FILE: CEB60507B18 COMPOUND LIST 146 PAGE 1
VOLATILE - LOW LEVEL SOLID

#	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IS) <75	194	107000.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	10.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	10.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	10.
209	64		CHLOROETHANE <75-00-3> E5#5				BDL	10.
222	84		METHYLENE CHLORIDE <75-09-2			3.1	J	5.
252	43		ACETONE (2-PROPANONE) <67-6			7.3	J	10.
254	76		CARBON DISULFIDE <75-15-0>				BDL	5.
216	96		1,1-DICHLOROETHYLENE <75-35				BDL	5.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL	5.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL	5.
211	83		CHLOROFORM <67-66-3> E5#12				BDL	5.
215	62		1,2-DICHLOROETHANE <107-06-				BDL	5.
245	114	I	1,4-DIFLUOROBENZENE (IS) <5	402	423000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2			~~1.5~~	~~BDL~~	10.
227	97		1,1,1-TRICHLOROETHANE <71-5				BDL	5.
206	117		CARBON TETRACHLORIDE <56-23				BDL	5.
257	43		VINYL ACETATE <108-05-4> E6				BDL	10.
212	83		BROMODICHLOROMETHANE <75-27				BDL	5.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	5.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	5.
229	130		TRICHLOROETHYLENE <79-01-6>				BDL	5.
	129		CHLORODIBROMOMETHANE <124-4				BDL	5.
[illegible]	97		1,1,2-TRICHLOROETHANE <79-0				BDL	5.
203	78		BENZENE <71-43-2> E6#12				BDL	5.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL	5.
210	63		2-CHLOROETHYL VINYL ETHER <				BDL	10.
205	173		BROMOFORM <75-25-2> E6#15				BDL	5.
270	117	I	D5-CHLOROBENZENE (IS)	504	394000.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	10.
255	43		2-HEXANONE <591-78-6> E7#3			~~2.0~~	~~BDL~~	10.
224	164		TETRACHLOROETHENE <127-18-4				BDL	5.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL	5.
225	92		TOLUENE <108-88-3> E7#6				BDL	5.
207	112		CHLOROBENZENE <108-90-7> E7				BDL	5.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	5.
251	104		STYRENE <100-42-5> E7#9				BDL	5.
240	106		M-XYLENE E7#10				BDL	5.
271	106		O,P-XYLENE E7#11				BDL	5.
250	65	S	D4-1,2-DICHLOROETHANE EB#2			44.3	89. %	
247	95	S	BROMOFLUOROBENIENE <460-00-			48.4	97. %	
233	98	S	DB-TOLUENE EB#4			47.1	94. %	
CHECKSUMS:								
2472.	859			1100	924000.	303.7	280.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE EB#2	44.3	50.0	89.	70-121	X	
41	247	BROMOFLUOROBENZENE (460-00-	48.4	50.0	97.	74-121	X	
42	233	D8-TOLUENE EB#4	47.1	50.0	94.	81-117	X	

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS / ---

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.00\ (G)} \times \frac{1.0}{1.0} \times \frac{1.0}{1.0} = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: 6886951SC18
Sample matrix: solid
Data Release
Authorized By: _____

Case:
QC Report No: URS WEST
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed: 05-15-86
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 0%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.0	U	71-43-2	Benzene	5.0	U
67-64-1	Acetone	7.2	J	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

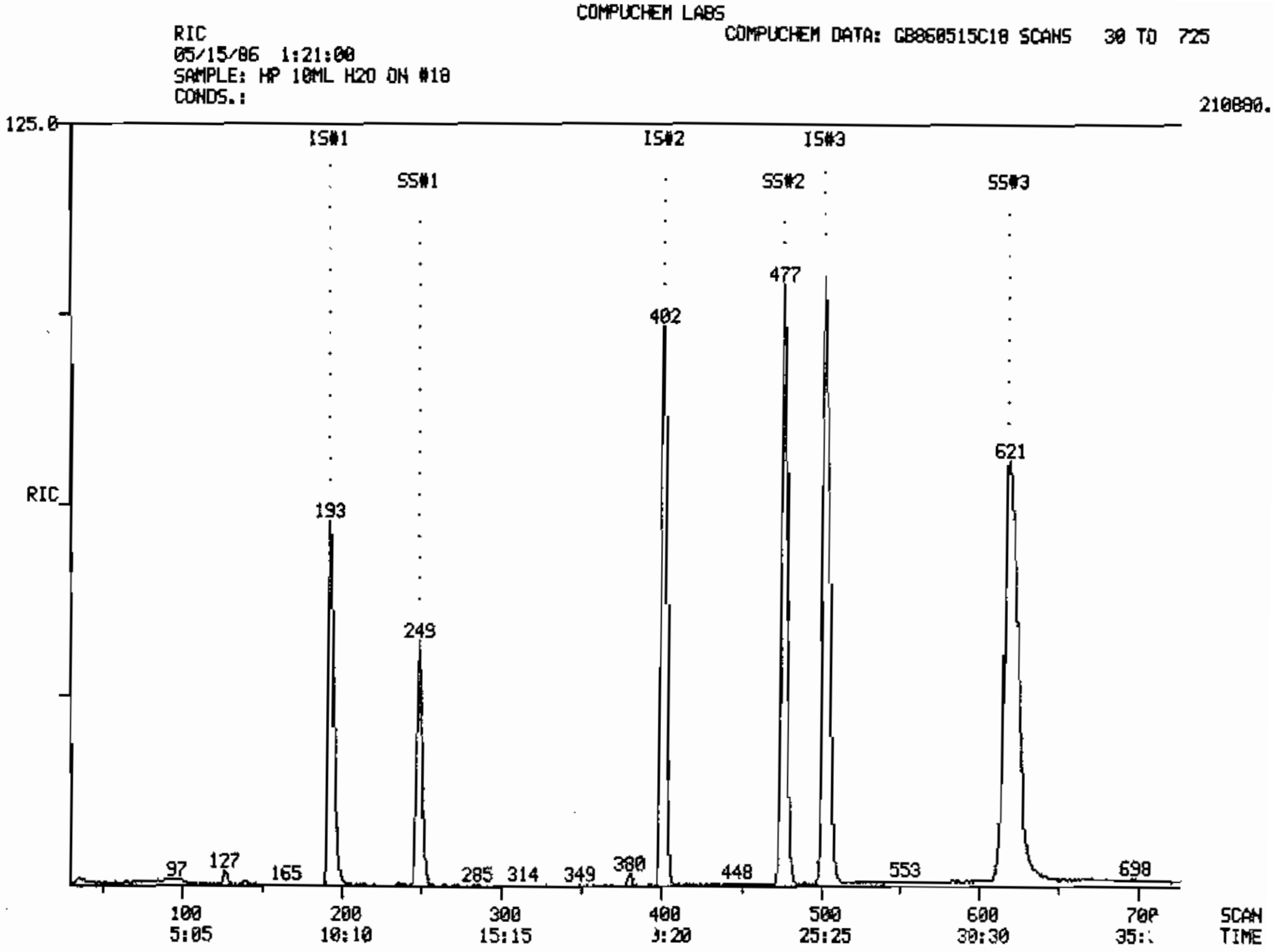
Case No: UPS WEST

Sample Number: INSTRUMENT BLANK

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
05/15/86 1:21:00
SAMPLE: MP 10ML H2O ON #18
CONDS.:
COMPUCHEM DATA: GB860515C18 SCANS 30 TO 725
210000.
125.0
RIC
IS#1
SS#1
IS#2
SS#2
IS#3
SS#3
193
249
402
477
621
97
127
165
285
314
349
380
448
553
698
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E238 FILENAME: GS860515C18 DATE: 05/15/86
SHIFT STD: GS860515C18 TIME: 1:21

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	65075.	68161.	-5.	PASS
*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	258728.	277912.	-7.	PASS
*270 D5-CHLOROBENZENE (IS)	250377.	268284.	-7.	PASS

QUANTITATION REPORT FILE: QB860515C18

DATA: QB860515C18.TI
05/15/86 1:21:00
PLE: HP 10ML H20 ON #18
CONDS. :
SUBMITTED BY: 18 ANALYST: 891

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
[illegible]	257 VINYL ACETATE <108-05-4> E6#5
	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#255 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
.	128	193	9:49	1	1.000	A BB	65075.	50.000 UG/KG	16.49
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	127	6:27	1	0.658	A BB	3740.	3.123	UG/KG	1.03
7	43	140	7:07	1	0.725	A BB	3407.	7.256	UG/KG	2.39
8	76	NOT FOUND								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	NOT FOUND								
13	62	NOT FOUND								
14	114	401	20:23	14	1.000	A BB	258728.	50.000	UG/KG	16.49
15	72	NOT FOUND								
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	NOT FOUND								
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	NOT FOUND								
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	503	25:34	29	1.000	A BB	250377.	50.000	UG/KG	16.49
30	43	NOT FOUND								
31	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	NOT FOUND								
35	112	NOT FOUND								
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	249	12:39	1	1.290	A BB	94025.	47.039	UG/KG	15.52
41	93	620	31:31	29	1.233	A BB	199214.	48.154	UG/KG	15.88
42	98	477	24:15	1	2.472	A BB	236185.	47.599	UG/KG	15.70

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:43	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:41		10.000			50.00		0.925	
3	2:36		10.000			50.00		1.296	
4	3:15		10.000			50.00		0.885	
5	4:10		10.000			50.00		0.489	
6	6:15	1.03	5.000	0.13	3.12	50.00	0.057	0.920	0.06
7	6:55	1.03	10.000	0.07	7.26	50.00	0.052	0.361	0.15
8	7:56		5.000			50.00		1.773	
9	9:12		5.000			50.00		0.973	
10	10:34		5.000			50.00		1.597	
11	11:17		5.000			50.00		1.088	
12	11:54		5.000			50.00		2.278	
13	12:39		5.000			50.00		1.678	
14	20:20	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

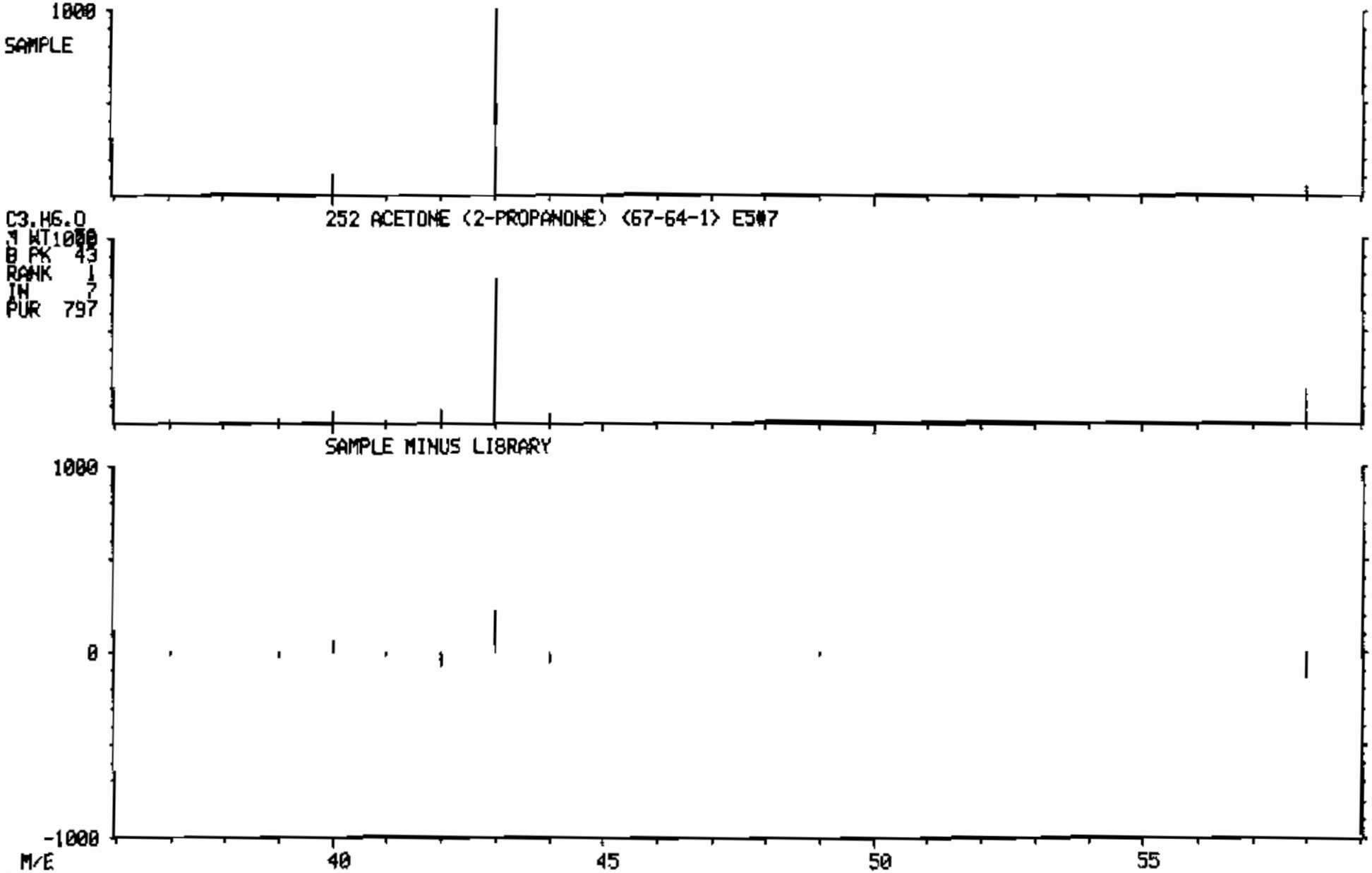
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:33		10.000			50.00		0.029	
16	13:59		5.000			50.00		0.504	
	14:23		5.000			50.00		0.671	
18	14:32		10.000			50.00		0.289	
19	14:57		5.000			50.00		0.577	
20	16:19		5.000			50.00		0.282	
21	16:37		5.000			50.00		0.441	
22	17:11		5.000			50.00		0.477	
23	17:47		5.000			50.00		0.684	
24	17:54		5.000			50.00		0.331	
25	17:41		5.000			50.00		0.696	
26	17:57		5.000			50.00		0.331	
27	19:01		10.000			50.00		0.211	
28	20:35		5.000			50.00		0.551	
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:06		10.000			50.00		0.444	
31	22:40		10.000			50.00		0.328	
32	23:02		5.000			50.00		0.492	
33	22:56		5.000			50.00		0.623	
34	24:21		5.000			50.00		0.563	
35	25:37		5.000			50.00		0.904	
36	28:07		5.000			50.00		0.447	
37	33:21		5.000			50.00		0.753	
38	33:48		5.000			50.00		0.485	
39	35:11		5.000			100.00		0.450	
40	12:33	1.01	10.000	0.13	47.04	50.00	1.445	1.536	0.94
41	31:25	1.00	10.000	0.12	48.15	50.00	0.796	0.826	0.96
42	24:12	1.00	10.000	0.25	47.60	50.00	3.629	3.812	0.95

COMPUCHEM LABS

LIBRARY SEARCH
05/15/86 1:21:00 + 7:07
SAMPLE: NP 10ML H2O ON #18
ENHANCED (S 15B 2N 0T)

DATA: G0860515C10 # 140

BASE M/E: 43
RIC: 1025.

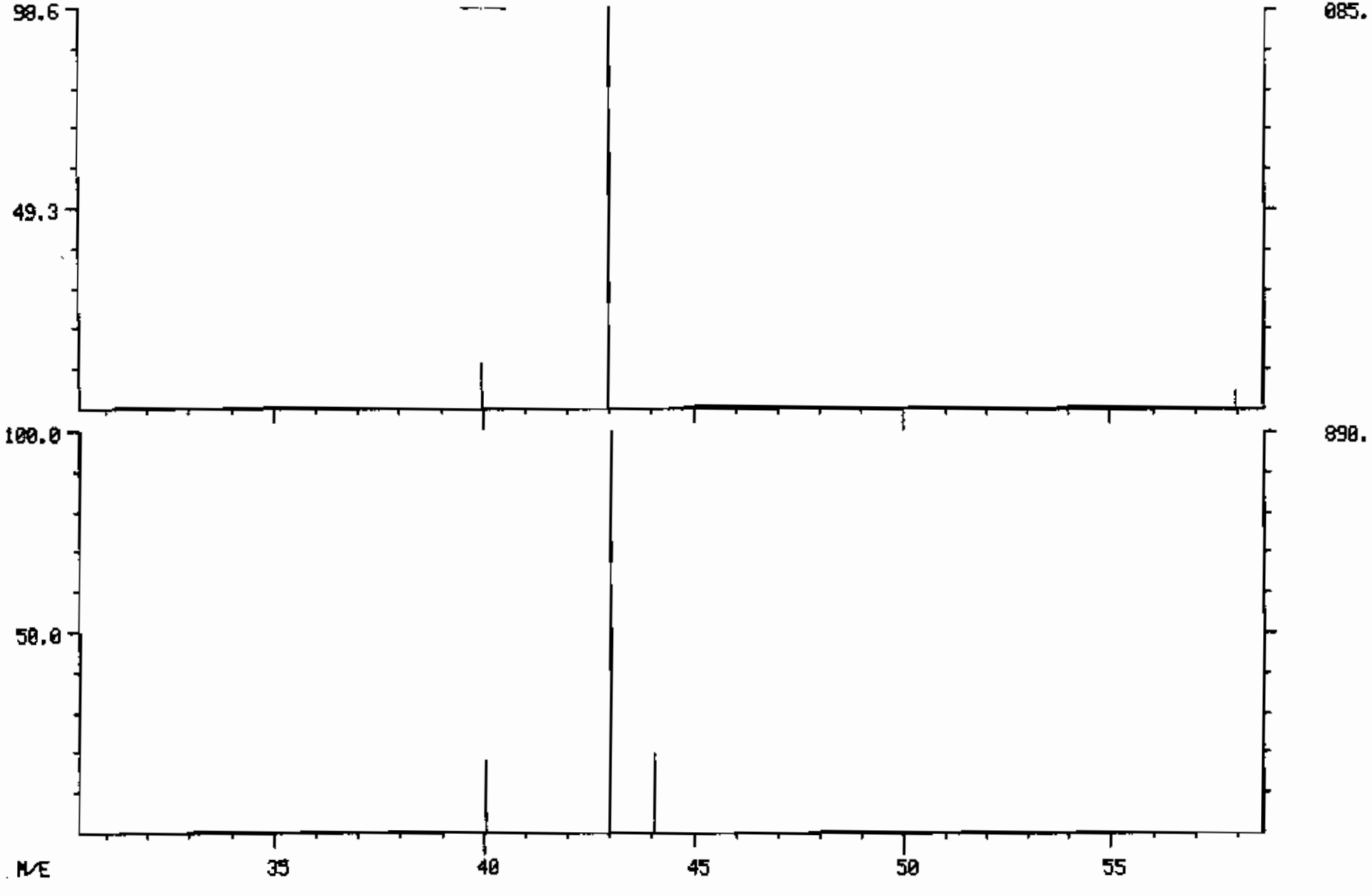


COMPUCHEM LABS

DUAL MASS SPECTRUM
05/15/86 1:21:00 + 7:07
SAMPLE: HP 10ML H2O ON #10
ENHANCED (S 150 2N)

DATA: G060515C10 #140
BASE M/E: 43/ 43
RIC: 1023./ 1237.

252 ACETONE (2-PROPANONE) <67-64-1> E5#7



VOLATILE - LOW LEVEL SOLID

#	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IS) <75	193	65100.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	10.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	10.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	10.
209	64		CHLOROETHANE <75-00-3> E5#5				BDL	10.
222	84		METHYLENE CHLORIDE <75-09-2			3.1	J [illegible]	5.
252	43		ACETONE (2-PROPANONE) <67-6			7.2	J	10.
254	76		CARBON DISULFIDE <75-15-0>				BDL	5.
216	96		1,1-DICHLOROETHYLENE <75-35				BDL	5.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL	5.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL	5.
211	83		CHLOROFORM <67-66-3> E5#12				BDL	5.
215	62		1,2-DICHLOROETHANE <107-06-				BDL	5.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	401	259000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2				BDL	10.
227	97		1,1,1-TRICHLOROETHANE <71-5				BDL	5.
206	117		CARBON TETRACHLORIDE <56-23				BDL	5.
257	43		VINYL ACETATE <108-05-4> E6				BDL	10.
212	83		BROMODICHLOROMETHANE <75-27				BDL	5.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	5.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	5.
229	130		TRICHLOROETHYLENE <79-01-6>				BDL	5.
[illegible]	129		CHLORODIBROMOMETHANE <124-4				BDL	5.
[illegible]	97		1,1,2-TRICHLOROETHANE <79-0				BDL	5.
203	78		BENZENE <71-43-2> E6#12				BDL	5.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL	5.
210	63		2-CHLOROETHYL VINYL ETHER <				BDL	10.
205	173		BROMOFORM <75-25-2> E6#15				BDL	5.
270	117	I	D5-CHLOROBENZENE (IS)	503	250000.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	10.
255	43		2-HEXANONE <591-78-6> E7#3				BDL	10.
224	164		TETRACHLOROETHENE <127-18-4				BDL	5.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL	5.
225	92		TOLUENE <108-88-3> E7#6				BDL	5.
207	112		CHLOROBENZENE <108-90-7> E7				BDL	5.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	5.
251	104		STYRENE <100-42-5> E7#9				BDL	5.
240	106		M-XYLENE E7#10				BDL	5.
271	106		O,P-XYLENE E7#11				BDL	5.
258	65	S	D4-1,2-DICHLOROETHANE E8#2			47.0	94. %	
247	95	S	BROMOFLUOROBENZENE <460-00-			48.2	96. %	
233	98	S	D8-TOLUENE E8#4			47.6	95. %	
CHECKSUMS:								
1964.	744			1097	574100.	303.1	285.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE EB#2	47.0	50.0	94.	70-121	X	
41	247	BROMOFLUOROBENZENE <460-00-	48.2	50.0	96.	74-121	X	
42	233	D8-TOLUENE EB#4	47.6	50.0	95.	81-117	X	

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS / ___

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.00\ (G)} \times \frac{1.0}{} \times \frac{1.0}{} = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GBB605J5A18
Sample matrix: solid
Data Release
Authorized By: _____

Case:
QC Report No: URS.WEST
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed: 05-15-86
Conc/Dil Factor: 1.00 pm:
Percent moisture (not decanted): 0%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.0	U	71-43-2	Benzene	5.0	U
67-64-1	Acetone	9.1	J	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

Case No: URS WEST

Sample Number: INSTRUMENT BLANK

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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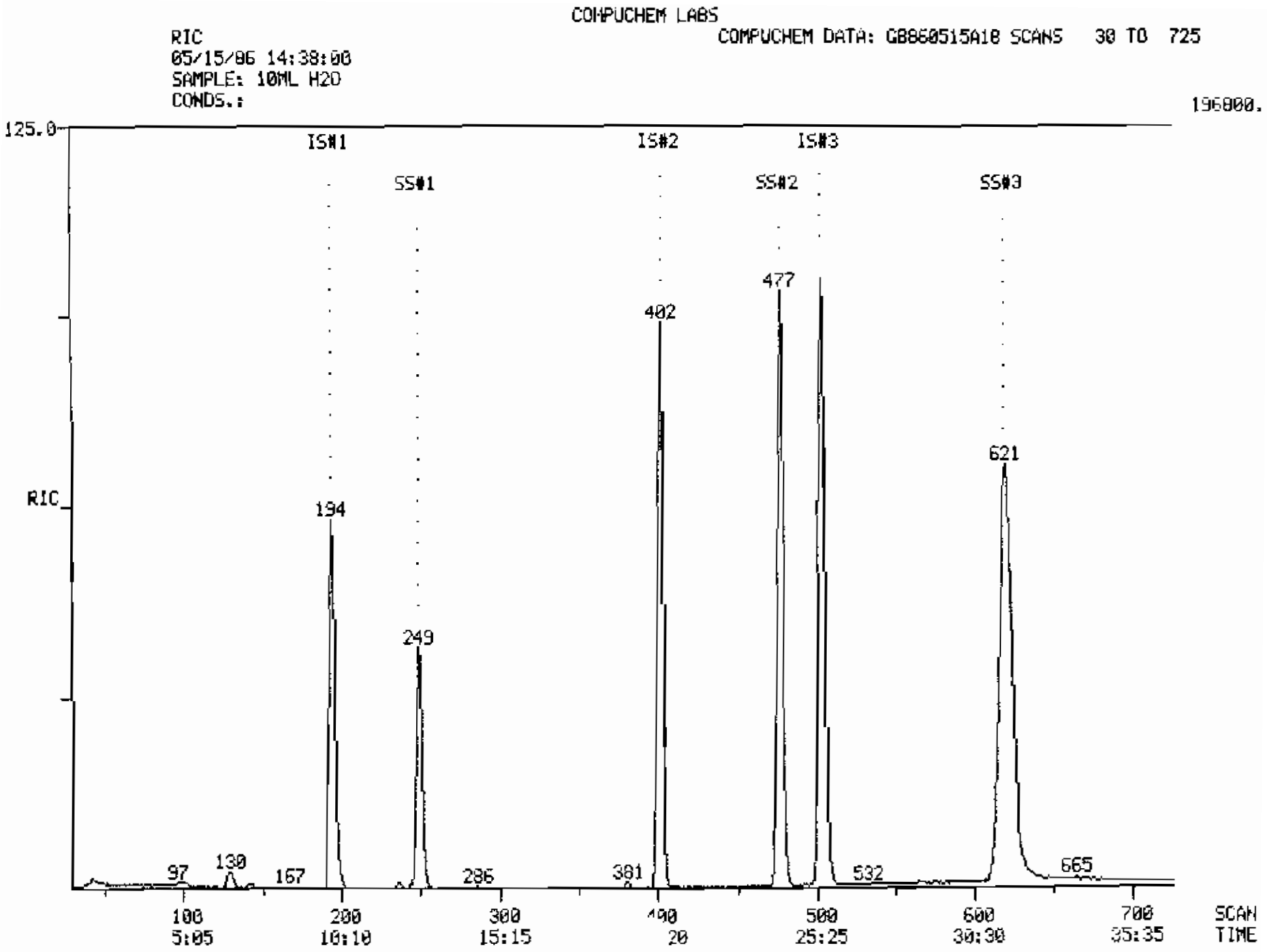
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
05/15/86 14:38:00
SAMPLE: 10ML H2O
CONDS.:
COMPUCHEM DATA: GB860515A18 SCANS 30 TO 725
196800.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
477
402
621
194
249
RIC
97
130
167
286
381
532
665
100
5:05
200
10:10
300
15:15
400
20
500
25:25
600
30:30
700
35:35
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E238 FILENAME: GB860515A1B DATE: 05/15/86
SHIFT STD: GT860515A1B TIME: 14:38

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	F/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	58415.	56744.	3.	PASS
*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	241331.	241521.	-0.	PASS
*270 D5-CHLOROBENZENE (IS)	234359.	236805.	-1.	PASS

QUANTITATION REPORT FILE: GBB60515A18

DATA: GBB60515A18.TI
05/15/86 14:38:00
SAMPLE: 1DML H20
COMMENTS:
SUBMITTED BY: 18 ANALYST: 819

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

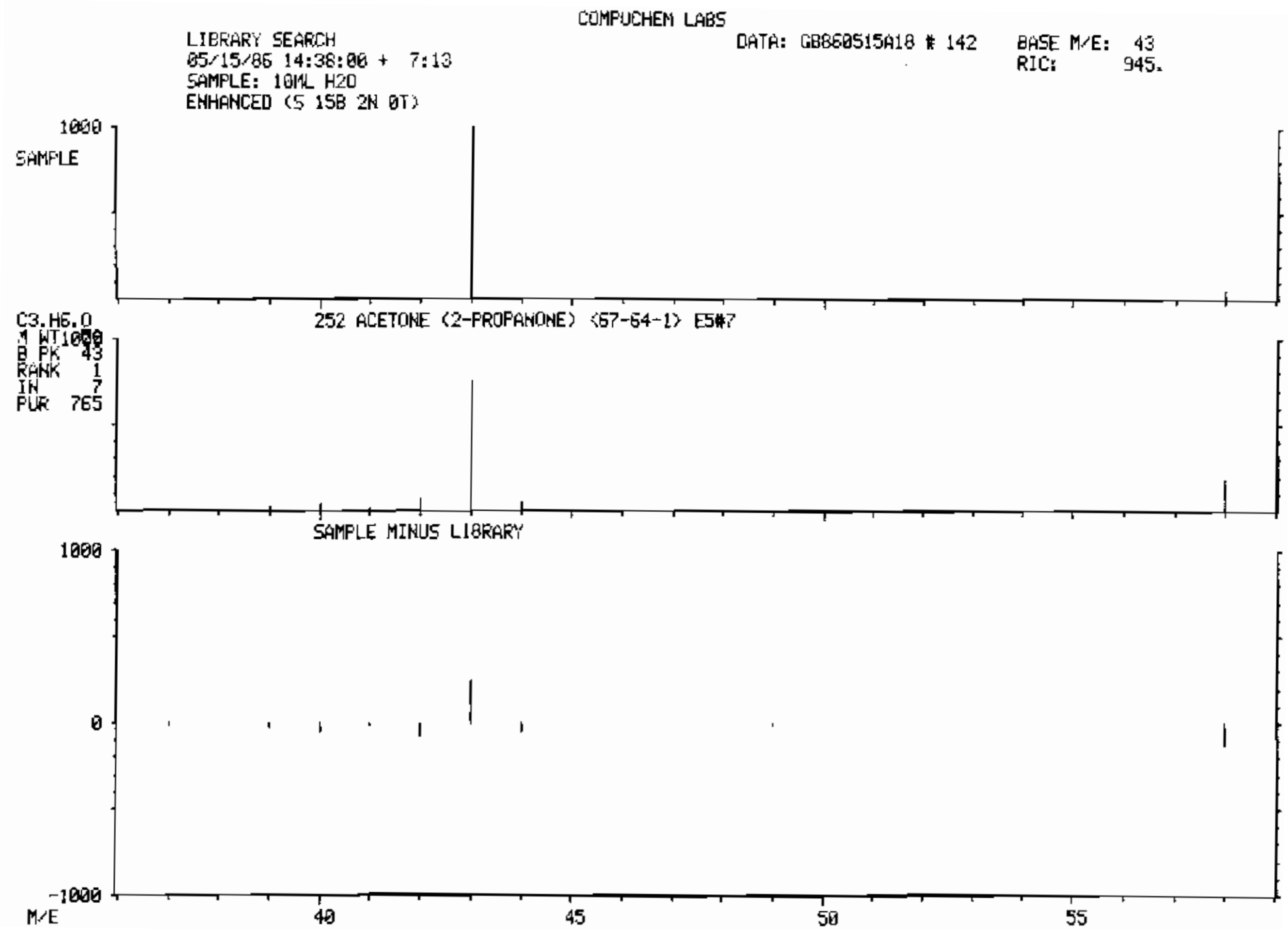
NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

]	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	194	9:52	1	1.000	A BB	58418.	50.000 UG/KG	15.97
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	130	6:36	1	0.670	A BB	4268.	3.537	UG/KG	1.13
7	43	142	7:13	1	0.732	A BB	3494.	9.066	UG/KG	2.90
8	76	NOT FOUND								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	237	12:03	1	1.222	A BB	2967.	1.147	UG/KG	0.37
13	62	NOT FOUND								
14	114	402	20:26	14	1.000	A BB	241331.	50.000	UG/KG	15.97
15	72	NOT FOUND								
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	NOT FOUND								
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	NOT FOUND								
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	503	25:34	29	1.000	A BB	234359.	50.000	UG/KG	15.97
30	43	NOT FOUND								
:	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	NOT FOUND								
35	112	NOT FOUND								
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	249	12:39	1	1.284	A BB	87959.	48.544	UG/KG	15.51
41	95	620	31:31	29	1.233	A BB	187226.	50.648	UG/KG	16.18
42	98	477	24:15	1	2.459	A BB	221105.	50.139	UG/KG	16.02

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:49	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:35		10.000			50.00		0.686	
3	2:32		10.000			50.00		1.194	
4	3:18		10.000			50.00		0.685	
5	4:13		10.000			50.00		0.440	
6	6:27	1.02	5.000	0.13	3.54	50.00	0.073	1.033	0.07
7	7:07	1.01	10.000	0.07	9.07	50.00	0.060	0.330	0.18
8	8:05		5.000			50.00		2.315	
9	9:21		5.000			50.00		0.916	
10	10:40		5.000			50.00		1.553	
11	11:23		5.000			50.00		1.033	
2	12:00	1.00	5.000	0.24	1.15	50.00	0.051	2.214	0.02
3	12:46		5.000			50.00		1.623	
14	20:26	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:39		10.000			50.00		0.027	
16	14:05		5.000			50.00		0.463	
7	14:29		5.000			50.00		0.603	
18	14:38		10.000			50.00		0.274	
19	15:00		5.000			50.00		0.527	
20	16:25		5.000			50.00		0.279	
21	16:40		5.000			50.00		0.405	
22	17:14		5.000			50.00		0.440	
23	17:54		5.000			50.00		0.612	
24	18:00		5.000			50.00		0.299	
25	17:47		5.000			50.00		0.662	
26	18:00		5.000			50.00		0.303	
27	19:07		10.000			50.00		0.193	
28	20:38		5.000			50.00		0.486	
29	25:34	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:09		10.000			50.00		0.483	
31	22:46		10.000			50.00		0.351	
32	23:05		5.000			50.00		0.459	
33	23:02		5.000			50.00		0.547	
34	24:27		5.000			50.00		0.525	
35	25:43		5.000			50.00		0.839	
36	28:13		5.000			50.00		0.421	
37	33:36		5.000			50.00		1.006	
38	34:00		5.000			50.00		0.637	
39	35:23		5.000			100.00		0.611	
40	12:39	1.00	10.000	0.13	48.54	50.00	1.506	1.551	0.97
41	31:34	1.00	10.000	0.12	50.65	50.00	0.799	0.789	1.01
2	24:15	1.00	10.000	0.25	50.14	50.00	3.785	3.774	1.00

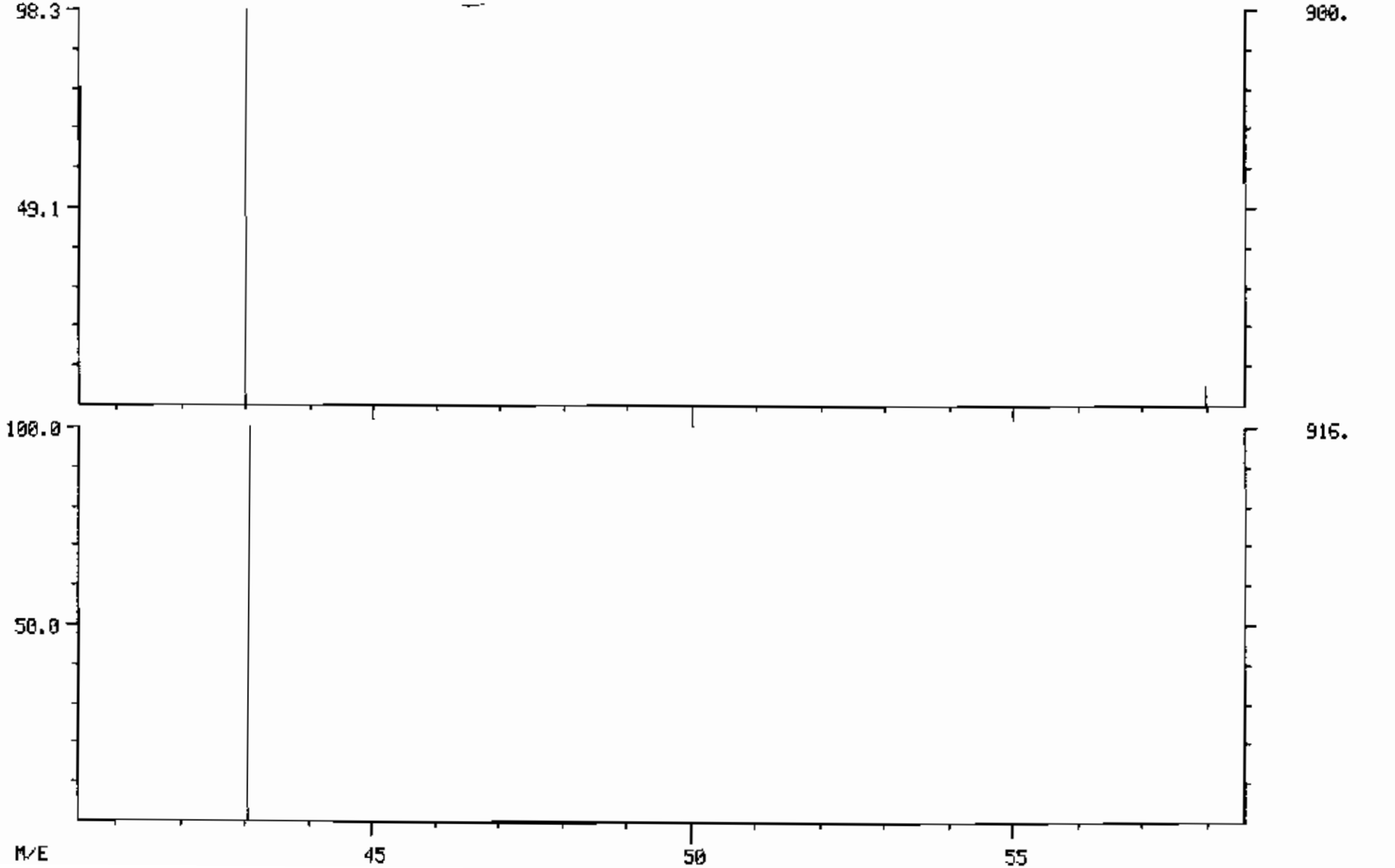

COMPUCHEM LABS
LIBRARY SEARCH
05/15/86 14:38:00 + 7:13
SAMPLE: 10ML H2O
ENHANCED (S 15B 2N 0T)
DATA: GB860515A18 # 142
BASE M/E: 43
RIC: 945.
1000
SAMPLE
C3.H6.O
252 ACETONE (2-PROPANONE) (67-64-1) E5#7
M WT 58
B PK 43
RANK 1
IN 7
PUR 765
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
45
50
55

COMPUCHEM LABS

DUAL MASS SPECTRUM
05/15/86 14:30:00 + 7:13
SAMPLE: 10ML H2O
ENHANCED (S 15B 2N)

DATA: GB860515A18 #142 BASE M/E: 43/ 43
RIC: 945./ 915.

252 ACETONE (2-PROPANONE) (67-64-1) E5#7



COMPUCHEM # 860515 FILE: GB860515A18 COMPOUND LIST 146 PAGE 1
VOLATILE - LOW LEVEL SOLID

P #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IS) <75	194	58400.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	10.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	10.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	10.
209	64		CHLORDETHANE <75-00-3> E5#5				BDL	10.
222	84		METHYLENE CHLORIDE <75-09-2			3.5	JBDL	5.
252	43		ACETONE (2-PROPANONE) <67-6			9.1	J	10
254	76		CARBON DISULFIDE <75-15-0>				BDL	5.
216	96		1,1-DICHLORDETHYLENE <75-35				BDL	5.
214	63		1,1-DICHLORDETHANE <75-34-3				BDL	5.
226	96		TRANS-1,2-DICHLORDETHYLENE				BDL	5.
211	83		CHLOROFORM <67-66-3> E5#12			1.1	JBDL	5.
215	62		1,2-DICHLORDETHANE <107-06-				BDL	5.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	402	241000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2				BDL	10.
227	97		1,1,1-TRICHLORDETHANE <71-5				BDL	5.
206	117		CARBON TETRACHLORIDE <56-23				BDL	5.
257	43		VINYL ACETATE <108-05-4> E6				BDL	10.
212	83		BROMODICHLOROMETHANE <75-27				BDL	5.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	5.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	5.
229	130		TRICHLORDETHYLENE <79-01-6>				BDL	5.
208	129		CHLORODIBROMOMETHANE <124-4				BDL	5.
3	97		1,1,2-TRICHLORDETHANE <79-0				BDL	5.
203	78		BENZENE <71-43-2> E6#12				BDL	5.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL	5.
210	63		2-CHLORDETHYL VINYL ETHER <				BDL	10.
205	173		BROMOFORM <75-25-2> E6#15				BDL	5.
270	117	I	D5-CHLOROBENZENE (IS)	503	234000.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	10.
255	43		2-HEXANONE <591-78-6> E7#3				BDL	10.
224	164		TETRACHLORDETHENE <127-18-4				BDL	5.
223	83		1,1,2,2-TETRACHLORDETHANE <				BDL	5.
225	92		TOLUENE <108-88-3> E7#6				BDL	5.
207	112		CHLOROBENZENE <108-90-7> E7				BDL	5.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	5.
251	104		STYRENE <100-42-5> E7#9				BDL	5.
240	106		M-XYLENE E7#10				BDL	5.
271	106		O,P-XYLENE E7#11				BDL	5.
258	65	S	D4-1,2-DICHLORDETHANE E8#2			48.5	97.%	
247	95	S	BROMOFLUOROBENZENE <460-00-			50.6	101.%	
233	98	S	D8-TOLUENE E8#4			50.1	100.%	
CHECKSUMS:								
2175.	827			1099	533400.	312.9	298.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE EB#2	48.5	50.0	97.	70-121	X	
41	247	BROMOFLUOROBENZENE (460-00-	50.6	50.0	101.	74-121	X	
42	233	D8-TOLUENE EB#4	50.1	50.0	100.	81-117	X	

\# ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS ✓ ___

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.00\ (G)} \times \frac{1.0}{} \times \frac{1.0}{} = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GD8605168I9
Sample matrix: solid
Data Release
Authorized By: _____

Case: URS West
QC Report No: _____
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed: 05-16-86
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 0%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.2		71-43-2	Benzene	5.0	U
67-64-1	Acetone	10.	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

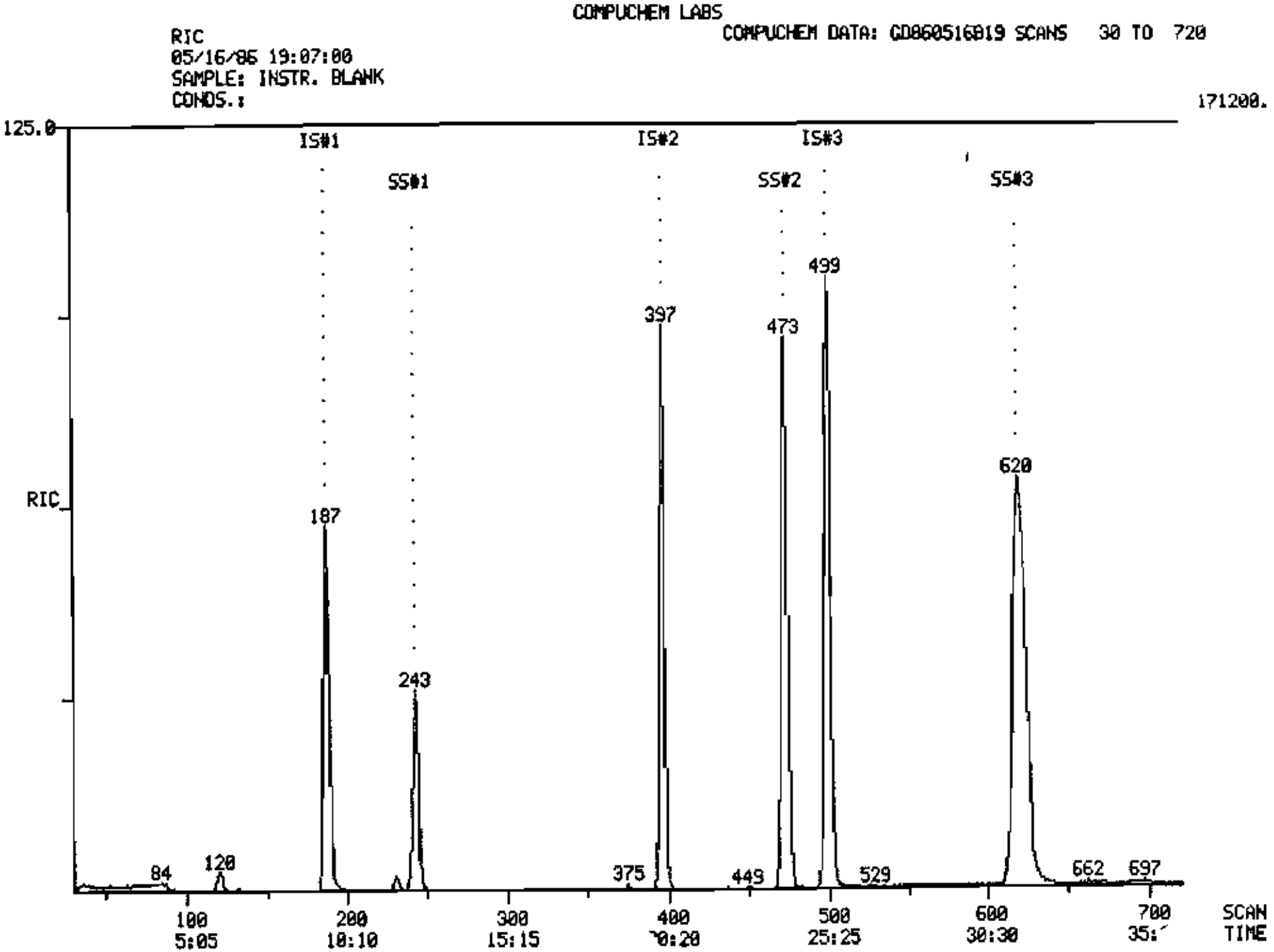
Case No: URS West

Sample Number: INSTRUMENT BLANK

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
COMPUCHEM DATA: GD860516B19 SCANS 30 TO 720
RIC
05/16/86 19:07:00
SAMPLE: INSTR. BLANK
CONDS.:
171200.
125.0
IS#1
SS#1
IS#2
IS#3
SS#2
SS#3
499
397
473
620
RIC
187
243
84
120
375
449
529
662
697
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E238 FILENAME: QD860516B19 DATE: 05/16/86
SHIFT STD: QB860516B19 TIME: 19:07

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	50601.	55233.	-8.	PASS
*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	224196.	257702.	-13.	PASS
*270 D5-CHLOROBENZENE (IS)	217296.	239916.	-9.	PASS

```
QUANTITATION REPORT    FILE: GD860516B19

DATA: GD860516B19.TI
 5/16/86 19:07:00
SAMPLE: INSTR. BLANK
CONDS.:
SUBMITTED BY: 19              ANALYST: 941

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

 NO  NAME
  1  *234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
  2   221 CHLOROMETHANE <75-01-4> E5#2
  3   220 BROMOMETHANE <78-83-9> E5#3
  4   231 VINYL CHLORIDE <75-01-4> E5#4
  5   209 CHLOROETHANE <75-00-3> E5#5
  6   222 METHYLENE CHLORIDE <75-09-2> E5#6
  7   252 ACETONE (2-PROPANONE) <67-64-1> E5#7
  8   254 CARBON DISULFIDE <75-15-0> E5#8
  9   216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
 10   214 1,1-DICHLOROETHANE <75-34-3> E5#10
 11   226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
 12   211 CHLOROFORM <67-66-3> E5#12
 13   215 1,2-DICHLOROETHANE <107-06-2> E5#13
 14  *248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
 15   253 2-BUTANONE <78-93-3> E6#2
 16   227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
 17   206 CARBON TETRACHLORIDE <56-23-5>
 18   257 VINYL ACETATE <108-05-4> E6#5
 19   212 BROMODICHLOROMETHANE <75-27-4> E6#6
 20   217 1,2-DICHLOROPROPANE <78-87-5> E6#7
 21   250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
 22   229 TRICHLOROETHYLENE <79-01-6> E6#9
 23   208 CHLORODIBROMOMETHANE <124-48-1> E6#10
 24   228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
 25   203 BENZENE <71-43-2> E6#12
 26   218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
 27   210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
 28   205 BROMOFORM <75-25-2> E6#15
 29  *270 D5-CHLOROBENZENE (IS)
 30   256 4-METHYL-2-PENTANONE <108-10-1> E7#2
 31   255 2-HEXANONE <591-78-6> E7#3
 32   224 TETRACHLOROETHENE <127-18-4> E7#4
 33   223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
 34   225 TOLUENE <108-88-3> E7#6
 35   207 CHLOROBENZENE <108-90-7> E7#7
 36   219 ETHYLBENZENE <100-41-4> E7#8
 37   251 STYRENE <100-42-5> E7#9
 38   240 M-XYLENE E7#10
 39   271 O,P-XYLENE E7#11
 40  #258 D4-1,2-DICHLOROETHANE E8#2
 41  #247 BROMOFLUOROBENZENE <460-00-4> E8#3
 42  #233 D8-TOLUENE E8#4

 NO  M/E  SCAN   TIME  REF   RRT  METH     AREA(HGHT)  AMOUNT          %TOT
  1  128   187   9:30   1  1.000  A BV       50601.    50.000 UG/KG  16.64
  2   50  NOT FOUND
```

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	120	6:06	1	0.642	A BB	4942.	5.253	UG/KG	1.75
7	43	131	6:40	1	0.701	A BV	1435.	7.312	UG/KG	2.43
8	76	NOT FOUND								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	231	11:45	1	1.235	A BB	4694.	2.120	UG/KG	0.71
13	62	NOT FOUND								
14	114	397	20:11	14	1.000	A BB	224196.	50.000	UG/KG	16.64
15	72	NOT FOUND								
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	NOT FOUND								
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	NOT FOUND								
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	499	25:22	29	1.000	A BV	217296.	50.000	UG/KG	16.64
30	43	NOT FOUND								
31	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	NOT FOUND								
35	112	NOT FOUND								
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	243	12:21	1	1.299	A BV	56212.	42.996	UG/KG	14.31
41	95	620	31:31	29	1.242	A BB	175733.	48.391	UG/KG	16.10
42	98	472	24:00	1	2.524	A BB	189441.	44.512	UG/KG	14.81

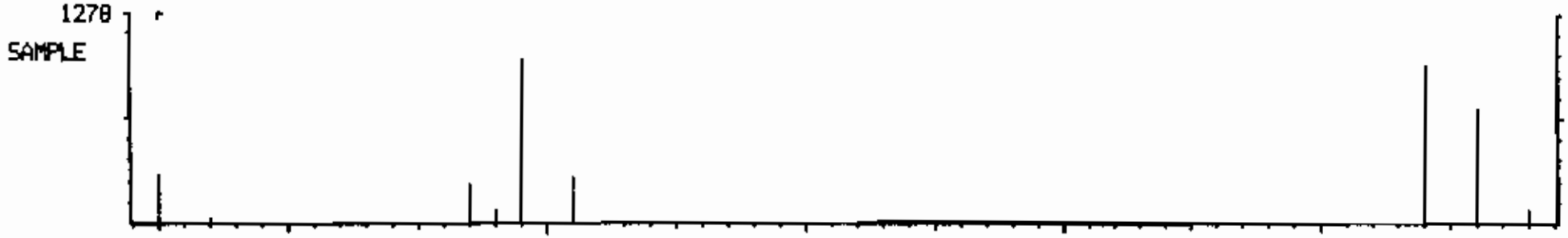
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:30	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:38		10.000			50.00		0.702	
3	2:26		10.000			50.00		1.543	
4	3:06		10.000			50.00		0.876	
5	3:58		10.000			50.00		0.473	
6	6:06	1.00	5.000	0.13	5.25	50.00	0.098	0.930	0.11
7	6:40	1.00	10.000	0.07	7.31	50.00	0.028	0.194	0.15
8	7:41		5.000			50.00		1.666	
9	8:57		5.000			50.00		0.920	
10	10:19		5.000			50.00		1.167	
11	11:05		5.000			50.00		1.025	
12	11:45	1.00	5.000	0.25	2.12	50.00	0.093	2.188	0.04
13	12:27		5.000			50.00		1.180	
14	20:11	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:18		10.000			50.00		0.020	
16	13:50		5.000			50.00		0.445	
17	14:14		5.000			50.00		0.538	
18	14:20		10.000			50.00		0.138	
19	14:48		5.000			50.00		0.435	
20	16:10		5.000			50.00		0.177	
21	16:25		5.000			50.00		0.288	
22	16:59		5.000			50.00		0.391	
23	17:44		5.000			50.00		0.476	
24	17:47		5.000			50.00		0.270	
25	17:29		5.000			50.00		0.499	
26	17:47		5.000			50.00		0.184	
27	18:52		10.000			50.00		0.102	
28	20:32		5.000			50.00		0.356	
29	25:22	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	20:57		10.000			50.00		0.215	
31	22:34		10.000			50.00		0.159	
32	22:52		5.000			50.00		0.424	
33	22:56		5.000			50.00		0.434	
34	24:12		5.000			50.00		0.507	
35	25:31		5.000			50.00		0.828	
36	28:04		5.000			50.00		0.400	
37	33:33		5.000			50.00		0.894	
38	33:57		5.000			50.00		0.598	
39	35:23		5.000			100.00		0.590	
40	12:21	1.00	10.000	0.13	43.00	50.00	1.111	1.292	0.86
41	31:34	1.00	10.000	0.12	48.39	50.00	0.809	0.836	0.97
42	24:00	1.00	10.000	0.25	44.51	50.00	3.744	4.205	0.89

COMPUCHEM LABS

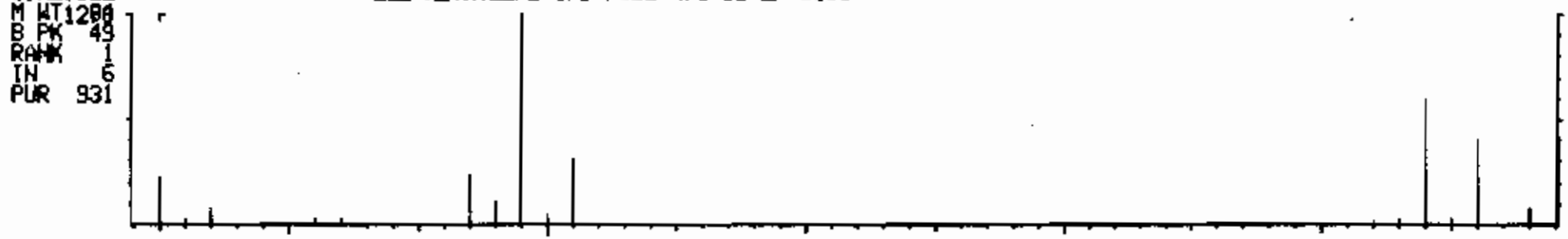
LIBRARY SEARCH
05/16/86 19:07:00 + 6:06
SAMPLE: INSTR. BLANK
ENHANCED (S 15B 2N 0T)

DATA: GDB60516B19 # 120
BASE M/E: 49
RIC: 4207.

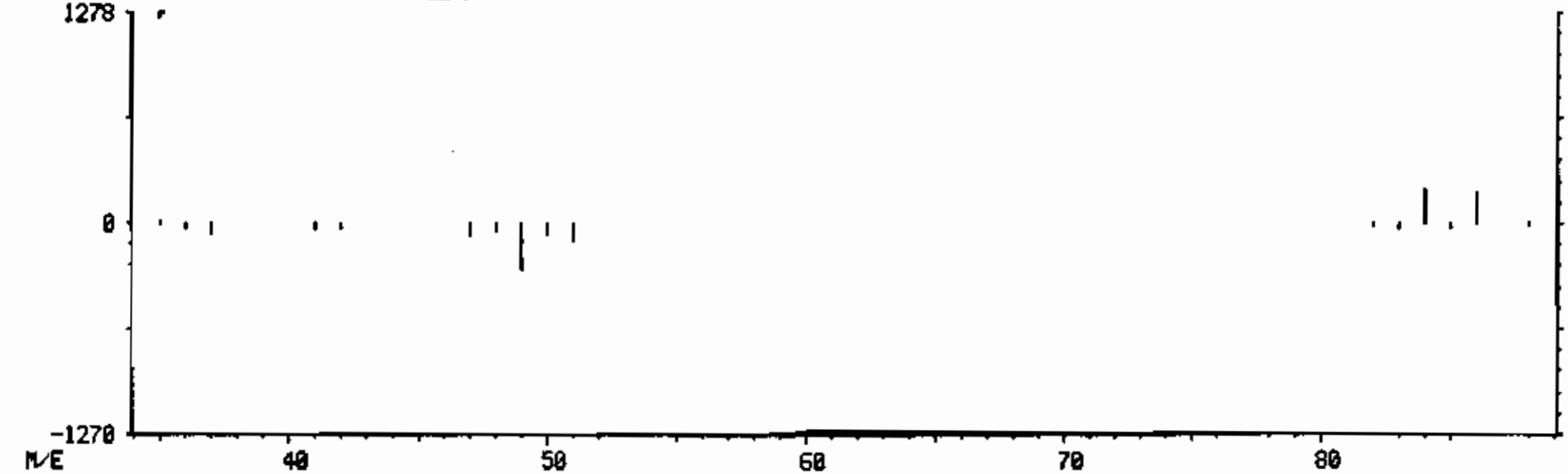


C.H2.CL2
M WT1200
B PK 49
RANK 1
IN 6
PUR 931

222 METHYLENE CHLORIDE (75-09-2) E5#6



SAMPLE MINUS LIBRARY

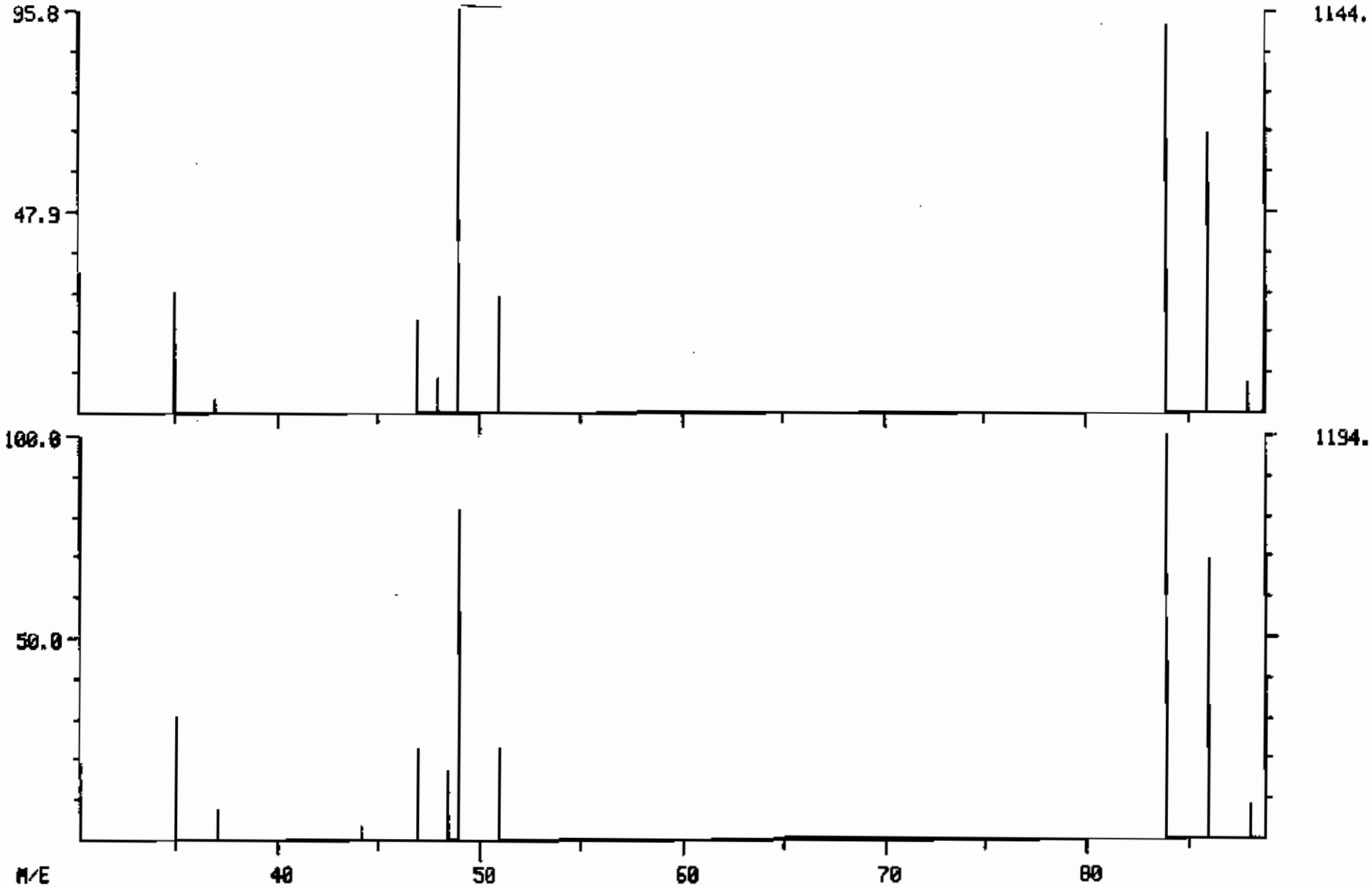


COMPUCHEM LABS

DUAL MASS SPECTRUM
05/16/86 19:07:00 + 6:06
SAMPLE: INSTR. BLANK
ENHANCED (S 15B 2N)

DATA: GD860516B19 #120 BASE M/E: 49/ 84
RIC: 4207./ 4335.

222 METHYLENE CHLORIDE (75-09-2) E5#6



VOLATILE - LOW LEVEL SOLID

CMP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IS) <75	187	50600.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	10.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	10.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	10.
209	64		CHLOROETHANE <75-00-3> E5#5				BDL	10.
222	84		METHYLENE CHLORIDE <75-09-2			5.2	5.	5.
252	43		ACETONE (2-PROPANONE) <67-6			7.2	#302	10.
254	76		CARBON DISULFIDE <75-15-0>				BDL	5.
216	96		1,1-DICHLOROETHYLENE <75-35				BDL	5.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL	5.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL	5.
211	83		CHLOROFORM <67-66-3> E5#12			2.1	#302	5.
215	62		1,2-DICHLOROETHANE <107-06-				BDL	5.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	397	224000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2				BDL	10.
227	97		1,1,1-TRICHLOROETHANE <71-5				BDL	5.
206	117		CARBON TETRACHLORIDE <56-23				BDL	5.
257	43		VINYL ACETATE <108-05-4> E6				BDL	10.
212	83		BROMODICHLOROMETHANE <75-27				BDL	5.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	5.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	5.
229	130		TRICHLOROETHYLENE <79-01-6>				BDL	5.
208	129		CHLORODIBROMOMETHANE <124-4				BDL	5.
228	97		1,1,2-TRICHLOROETHANE <79-0				BDL	5.
203	78		BENZENE <71-43-2> E6#12				BDL	5.
218	75		CIS-1,3-DICHLOROPROPENE <10				DDL	5.
210	63		2-CHLOROETHYL VINYL ETHER <				BOL	10.
205	173		BROMOFORM <75-25-2> E6#15				BDL	5.
270	117	I	D5-CHLOROBENZENE (IS)	499	217000.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	10.
255	43		2-HEXANONE <591-78-6> E7#3				BOL	10.
224	164		TETRACHLOROETHENE <127-18-4				BDL	5.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL	5.
225	92		TOLUENE <108-88-3> E7#6				BDL	5.
207	112		CHLOROBENZENE <108-90-7> E7				BDL	5.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	5.
251	104		STYRENE <100-42-5> E7#9				BDL	5.
240	106		M-XYLENE E7#10				BDL	5.
271	106		O,P-XYLENE E7#11				BDL	5.
258	65	S	D4-1,2-DICHLOROETHANE E8#2			43.0	86. %	
247	95	S	BROMOFLUOROBENZENE <460-00-			48.4	97. %	
233	98	S	D8-TOLUENE E8#4			44.5	89. %	
CHECKSUMS:								
2175.	827			1083	491600.	300.5	277.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE EB#2	43.0	50.0	86.	70-121	X	
41	247	BROMOFLUOROBENZENE (460-00-	48.4	50.0	97.	74-121	X	
42	233	DB-TOLUENE EB#4	44.5	50.0	89.	81-117	X	

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

	P	F
INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS	✓	

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.00\ (G)} \times \frac{1.0}{1.0} \times \frac{1.0}{1.0} = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GBB60520C19
Sample matrix: solid
Data Release
Authorized By: _____

Case:
QC Report No: URS WEST
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: Low
Date extracted/prepared:
Date analyzed: 05-30-86
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 0%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	4.4	J	71-43-2	Benzene	5.0	U
67-64-1	Acetone	9.4	J	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/ml 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: CompuChem Laboratories

Case No: URS WEST

Sample Number: Instrument blank

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 VOLATILE COMPOUNDS FOUND			
2.				
3.				
4.				
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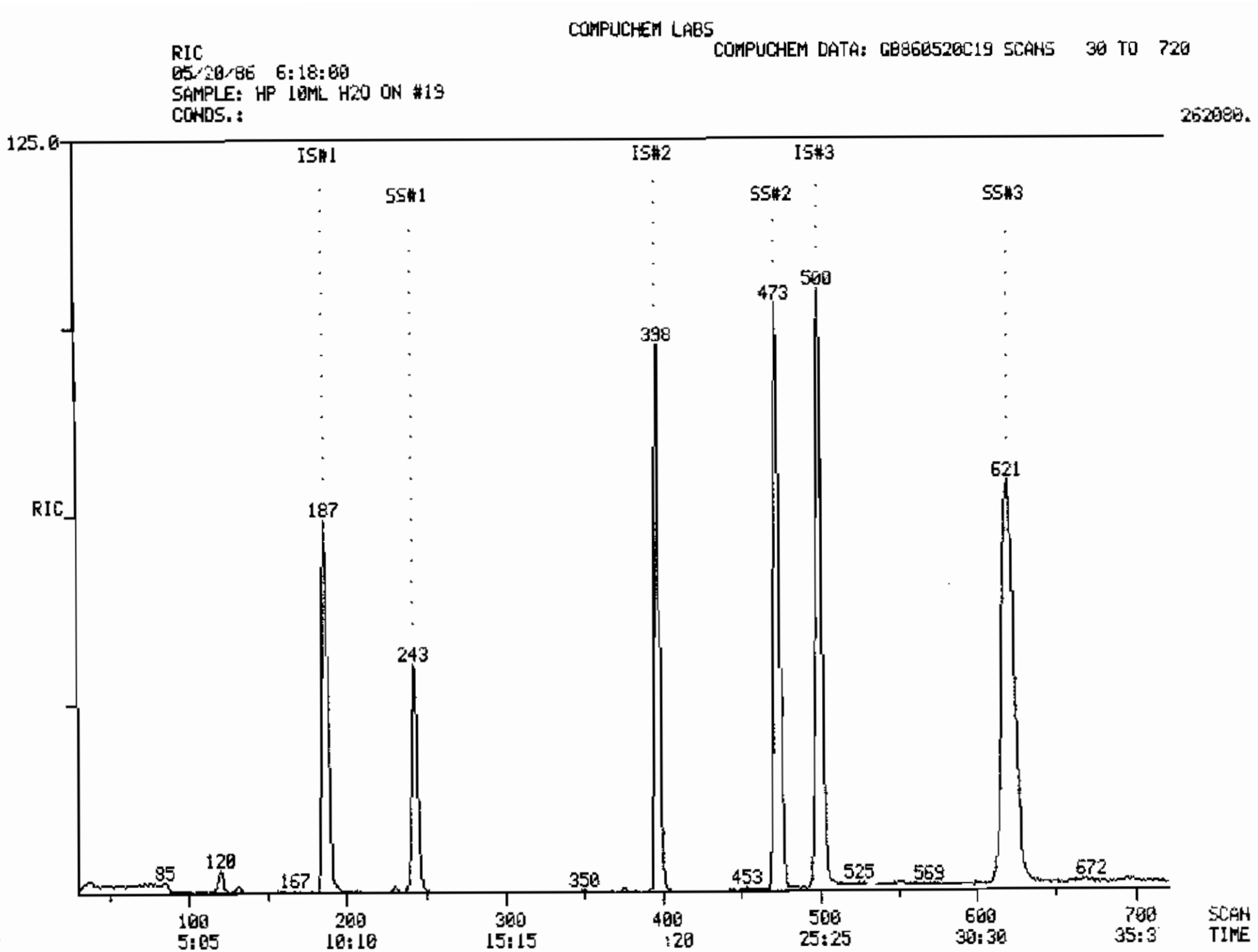
30.				


COMPUCHEM LABS
COMPUCHEM DATA: GB860520C19 SCANS 30 TO 720
RIC
05/20/86 6:18:00
SAMPLE: HP 10ML H2O ON #19
CONDS.:
262080.
125.0
RIC
IS#1
SS#1
IS#2
IS#3
SS#2
SS#3
187
243
398
473
500
621
85
120
167
350
453
525
569
672
100
5:05
200
10:10
300
15:15
400
:20
500
25:25
600
30:30
700
35:3
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E238 FILENAME: GB860520C19 DATE: 05/20/86
SHIFT STD: GU86052DC19 TIME: 6:18

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	77793.	82166.	-5.	PASS
*246 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	334645.	348304.	-4.	PASS
*270 D5-CHLOROBENZENE (I6)	308734.	329671.	-6.	PASS

QUANTITATION REPORT FILE: GB860520C19

DATA: GB860520C19.TI
05/20/86 6:18:00
AMPLE: HP 10ML H2O ON #19
ONDS.:
SUBMITTED BY: 19 ANALYST: 891

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETMANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

ID	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	187	9:30	1	1.000	A BV	77793.	50.000 UG/KG	16.28
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	120	6:06	1	0.642	A BB	8244.	4.367	UG/KG	1.42
7	43	131	6:40	1	0.701	A BB	4616.	9.386	UG/KG	3.06
8	76	NOT FOUND								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	NOT FOUND								
13	62	NOT FOUND								
14	114	397	20:11	14	1.000	A BV	334645.	50.000	UG/KG	16.28
15	72	NOT FOUND								
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	NOT FOUND								
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	NOT FOUND								
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	500	25:25	29	1.000	A BV	308734.	50.000	UG/KG	16.28
30	43	NOT FOUND								
31	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	NOT FOUND								
35	112	NOT FOUND								
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	243	12:21	1	1.299	A BV	112601.	45.374	UG/KG	14.78
41	95	621	31:34	29	1.242	A BB	272652.	49.530	UG/KG	16.13
42	98	473	24:03	1	2.529	A BV	300469.	48.400	UG/KG	15.76

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:36	0.99	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.596	
3	2:32		10.000			50.00		1.298	
4	3:15		10.000			50.00		0.867	
5	4:10		10.000			50.00		0.451	
6	6:18	0.97	5.000	0.13	4.37	50.00	0.106	1.213	0.09
7	6:52	0.97	10.000	0.07	9.39	50.00	0.059	0.316	0.19
8	7:50		5.000			50.00		2.063	
9	9:06		5.000			50.00		0.937	
10	10:28		5.000			50.00		1.353	
11	11:11		5.000			50.00		1.042	
12	11:51		5.000			50.00		2.468	
13	12:33		5.000			50.00		1.441	
14	20:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

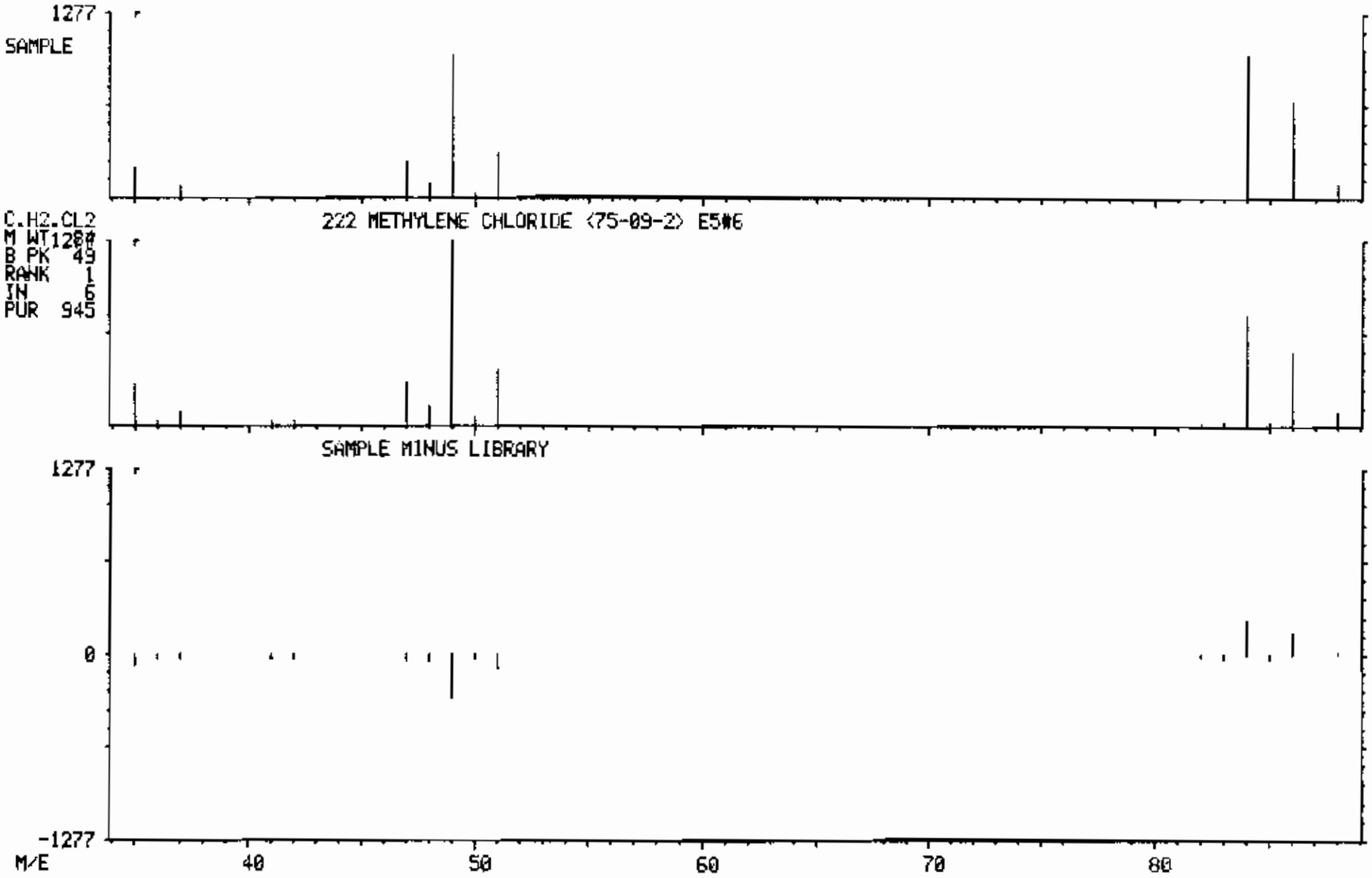
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:24		10.000			50.00		0.025	
16	13:56		5.000			50.00		0.512	
17	14:20		5.000			50.00		0.563	
18	14:26		10.000			50.00		0.201	
19	14:54		5.000			50.00		0.512	
20	16:16		5.000			50.00		0.213	
21	16:31		5.000			50.00		0.326	
22	17:05		5.000			50.00		0.396	
23	17:47		5.000			50.00		0.463	
24	17:54		5.000			50.00		0.285	
25	17:35		5.000			50.00		0.569	
26	17:51		5.000			50.00		0.214	
27	18:58		10.000			50.00		0.118	
28	20:35		5.000			50.00		0.315	
29	25:25	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:00		10.000			50.00		0.207	
31	22:37		10.000			50.00		0.162	
32	22:56		5.000			50.00		0.419	
33	22:59		5.000			50.00		0.497	
34	24:15		5.000			50.00		0.527	
35	25:34		5.000			50.00		0.808	
36	28:07		5.000			50.00		0.410	
37	33:39		5.000			50.00		0.803	
38	34:07		5.000			50.00		0.529	
39	35:29		5.000			100.00		0.514	
40	12:27	0.99	10.000	0.13	45.37	50.00	1.447	1.595	0.91
41	31:40	1.00	10.000	0.12	49.54	50.00	0.883	0.891	0.99
12	24:03	1.00	10.000	0.25	48.40	50.00	3.862	3.990	0.97

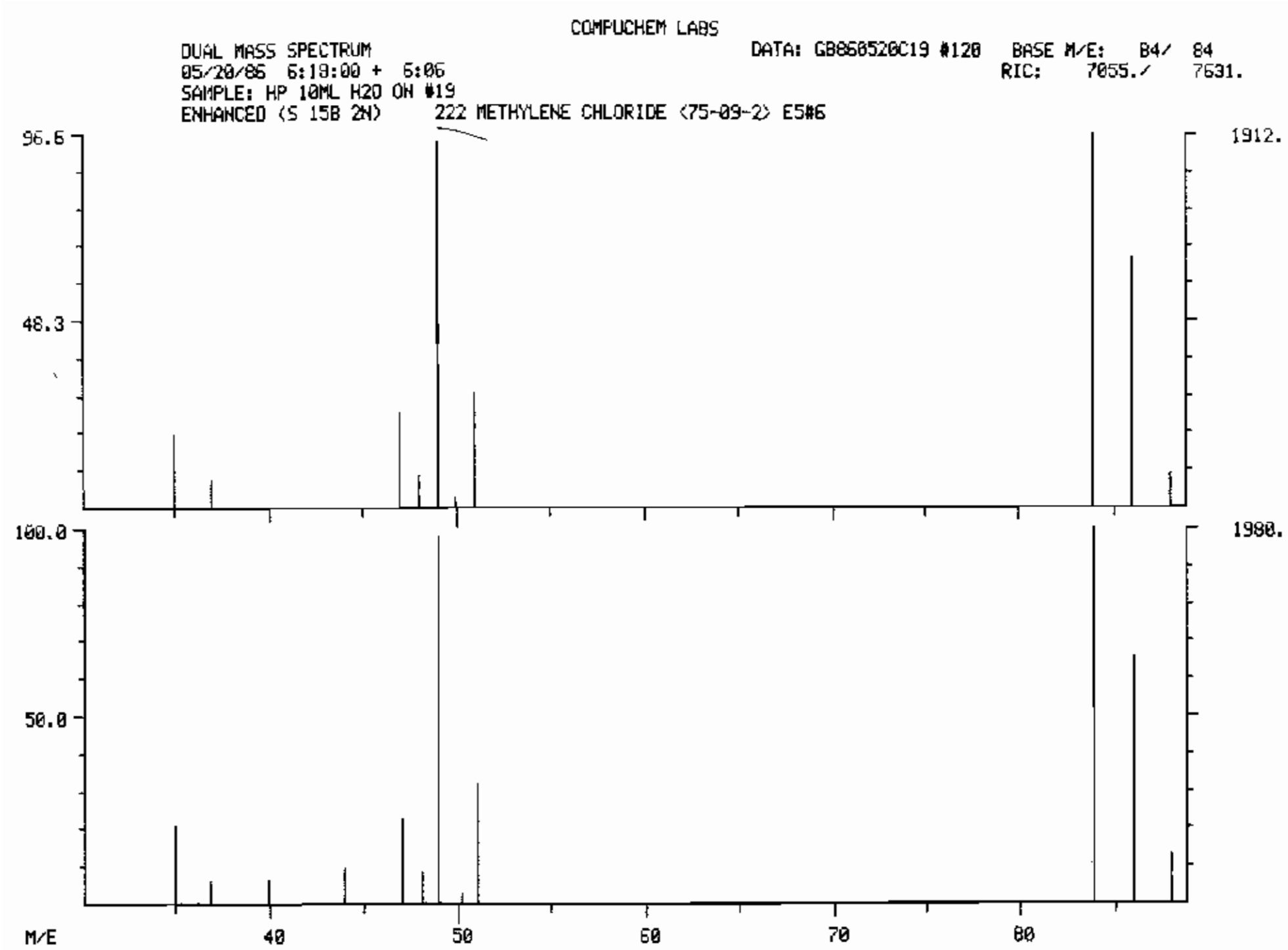
COMPUCHEM LABS

LIBRARY SEARCH
05/20/86 6:18:00 + 6:06
SAMPLE: HP 10ML N2O ON #13
ENHANCED (S 15B 2N 0T)

DATA: GB860520C19 # 120

BASE M/E: 84
RIC: 7055.



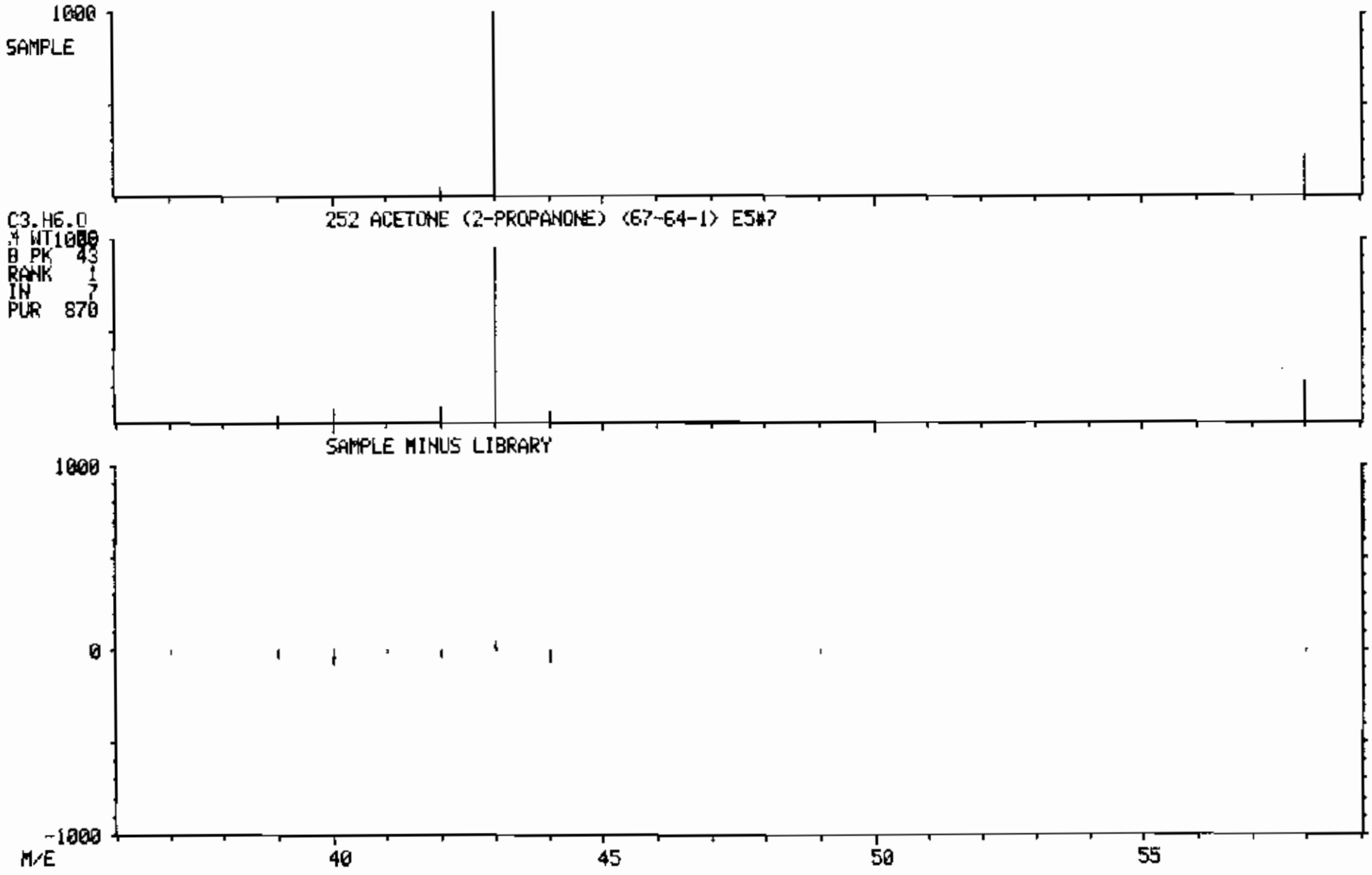

COMPUCHEM LABS
DUAL MASS SPECTRUM
05/20/86 6:10:00 + 6:06
SAMPLE: HP 10ML H20 OH #19
ENHANCED (S 15B 2N)
DATA: GB860520C19 #120
BASE M/E: 84/ 84
RIC: 7055./ 7631.
222 METHYLENE CHLORIDE (75-09-2) E5#6
96.6
48.3
1912.
100.0
50.0
1980.
M/E
40
50
60
70
80

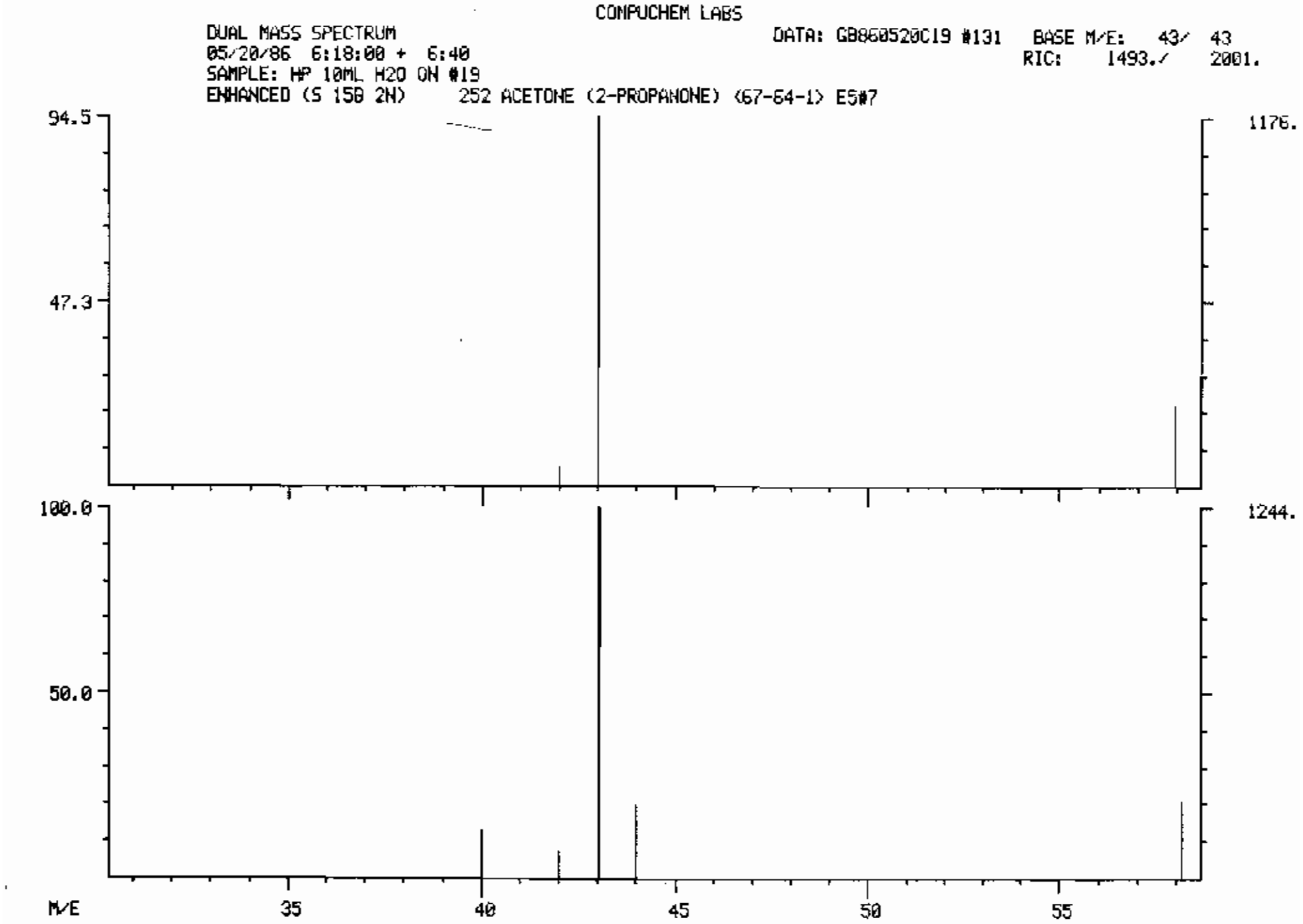
COMPUCHEM LABS

LIBRARY SEARCH
05/20/86 6:18:00 + 6:40
SAMPLE: HP 10ML H2O ON #19
ENHANCED (S 15B 2N 0T)

DATA: GB060520C19 # 131

BASE M/E: 43
RIC: 1493.




COMPUCHEM LABS
DUAL MASS SPECTRUM
05/20/86 6:18:00 + 6:40
SAMPLE: HP 10ML H2O ON #19
ENHANCED (S 150 2N)
DATA: GB860520C19 #131
BASE M/E: 43/ 43
RIC: 1493./ 2001.
252 ACETONE (2-PROPANONE) (67-64-1) ES#7
94.5
47.3
1176.
100.0
50.0
1244.
M/E
35
40
45
50
55

VOLATILE - LOW LEVEL SOLID

MP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG.
234	128	I	BROMOCHLOROMETHANE (IS) <75	187	77800.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	10.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	10.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	10.
209	64		CHLORDETHANE <75-00-3> E5#5				BDL	10.
222	84		METHYLENE CHLORIDE <75-09-2			4.4	J	5.
252	43		ACETONE (2-PROPANONE) <67-6			9.4	J	10.
254	76		CARBON DISULFIDE <75-15-0>				BDL	5.
216	96		1,1-DICHLOROETHYLENE <75-35				BDL	5.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL	5.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL	5.
211	83		CHLOROFORM <67-66-3> E5#12				BDL	5.
215	62		1,2-DICHLOROETHANE <107-06-				BDL	5.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	397	335000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2				BDL	10.
227	97		1,1,1-TRICHLOROETHANE <71-5				BDL	5.
206	117		CARBON TETRACHLORIDE <56-23				BDL	5.
257	43		VINYL ACETATE <108-05-4> E6				BDL	10.
212	83		BROMODICHLOROMETHANE <75-27				BDL	5.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	5.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	5.
229	130		TRICHLOROETHYLENE <79-01-6>				BDL	5.
208	129		CHLORODIBROMOMETHANE <124-4				BDL	5.
28	97		1,1,2-TRICHLOROETHANE <79-0				BDL	5.
203	78		BENZENE <71-43-2> E6#12				BDL	5.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL	5.
210	63		2-CHLOROETHYL VINYL ETHER <				BDL	10.
205	173		BROMOFORM <75-25-2> E6#15				BDL	5.
270	117	I	D5-CHLOROBENZENE (IS)	500	309000.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	10.
255	43		2-HEXANONE <591-78-6> E7#3				BDL	10.
224	164		TETRACHLOROETHENE <127-18-4				BDL	5.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL	5.
225	92		TOLUENE <108-88-3> E7#6				BDL	5.
207	112		CHLOROBENZENE <108-90-7> E7				BDL	5.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	5.
251	104		STYRENE <100-42-5> E7#9				BDL	5.
240	106		M-XYLENE E7#10				BDL	5.
271	106		O,P-XYLENE E7#11				BDL	5.
258	65	S	D4-1,2-DICHLOROETHANE E8#2			45.4	91.%	
247	95	S	BROMOFLUOROBENZENE <460-00-			49.5	99.%	
233	98	S	D8-TOLUENE E8#4			48.4	97.%	
CHECKSUMS:								
1964.	744			1084	721800.	307.1	287.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE E8#2	45.4	50.0	91.	70-121	X	
41	247	BROMOFLUOROBENZENE <460-00-	49.5	50.0	99.	74-121	X	
42	233	D8-TOLUENE E8#4	48.4	50.0	97.	81-117	X	

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS ___ ___

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.00\ (G)} \times \frac{1.0}{1.0} \times \frac{1.0}{1.0} = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

Sample Number
GW085028C16

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GW085028C16
Sample matrix: solid
Data Release
Authorized By: _____

Case: WBS WCST
GC Report No: _____
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 5-15-86
Date analyzed: 5-15-86
Conc/Dil Factor: 1.00 pH: N/A
Percent moisture (not decanted): 61

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.0	U	71-43-2	Benzene	5.0	U
67-64-1	Acetone	10.	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

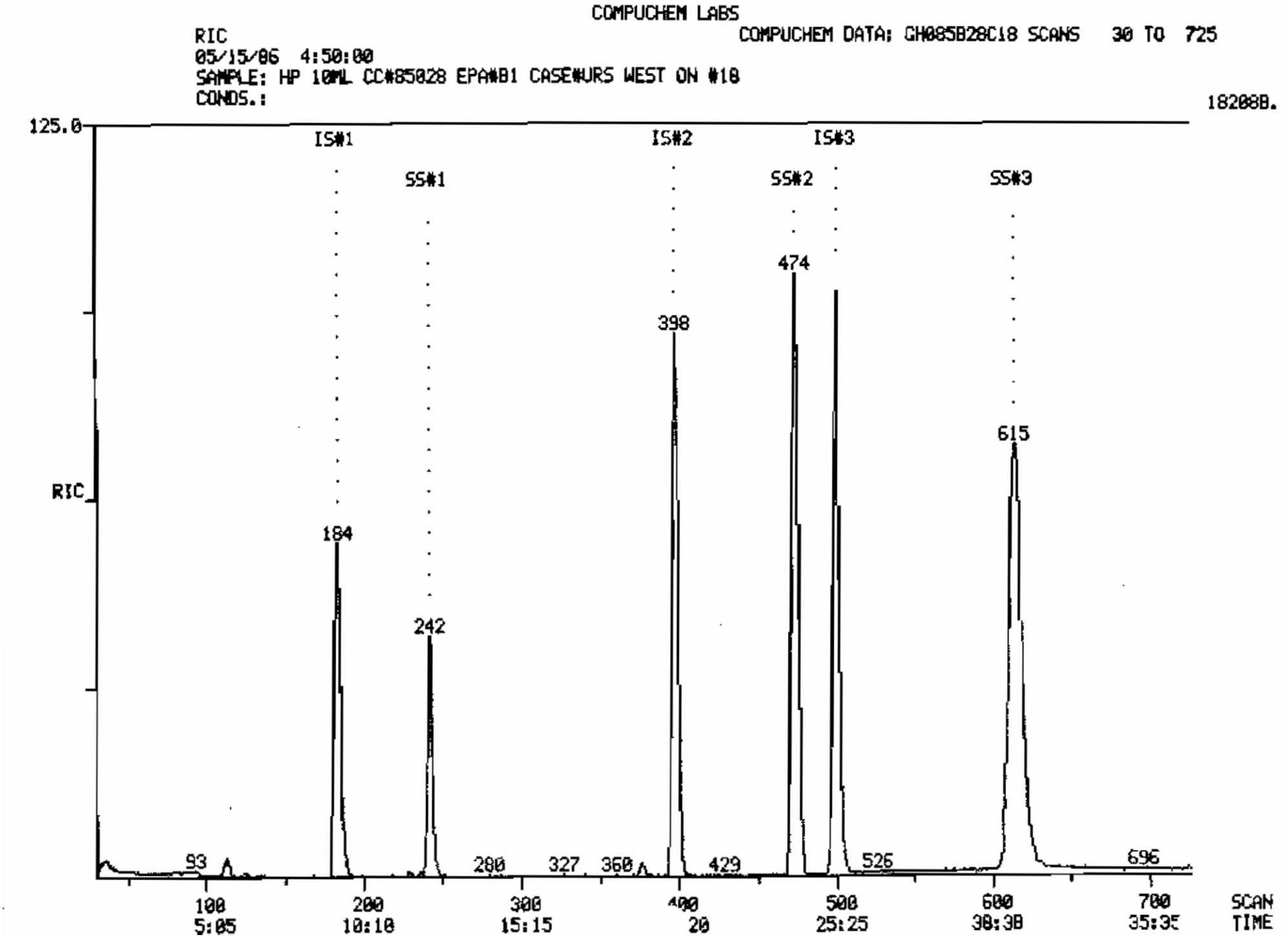
Case No: URS West

Sample Number: QH0850-28C18

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
COMPUCHEM DATA: GH085B28C18 SCANS 30 TO 725
05/15/06 4:50:00
SAMPLE: HP 10ML CC#85028 EPA#81 CASE#URS WEST ON #18
CONDS.:
18208B.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
474
398
615
RIC
184
242
93
280
327
360
429
526
696
100
5:05
200
10:10
300
15:15
400
20
500
25:25
600
30:30
700
35:35
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E238 FILENAME: GH085028C18 DATE: 05/15/86
SHIFT STD: GSB60515C18 TIME: 4:50

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	54118.	68161.	-21.	PASS
*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	213161.	277912.	-23.	PASS
*270 D5-CHLOROBENZENE (IS)	210170.	265284.	-22.	PASS

QUANTITATION REPORT FILE: QH085028C18

DATA: QH085028C18.TI
 /15/86 4:50:00
AMPLE: HP 10ML CC#85028 EPA#81 CASE#URS WEST ON #18
CONDS.:
SUBMITTED BY: 18 ANALYST: 891

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <100-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

.0	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	184	9:21	1	1.000	A BB	54118.	50.000 UG/KG	15.83
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	113	5:45	1	0.614	A BB	3893.	3.909	UG/KG	1.24
7	43	125	6:21	1	0.679	A BB	3528.	9.035	UG/KG	2.86
8	76	NOT FOUND								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	NOT FOUND								
13	62	NOT FOUND								
14	114	398	20:14	14	1.000	A BB	213161.	50.000	UG/KG	15.83
15	72	NOT FOUND								
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	NOT FOUND								
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	NOT FOUND								
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	500	25:25	29	1.000	A BB	210170.	50.000	UG/KG	15.83
30	43	NOT FOUND								
31	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	NOT FOUND								
35	112	NOT FOUND								
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	242	12:18	1	1.315	A BV	84640.	50.917	UG/KG	16.12
41	95	615	31:16	29	1.230	A BB	178070.	51.277	UG/KG	16.24
42	98	474	24:06	1	2.576	A BB	209043.	50.659	UG/KG	16.04

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:43	0.96	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:41		10.000			50.00		0.925	
3	2:36		10.000			50.00		1.296	
4	3:15		10.000			50.00		0.885	
5	4:10		10.000			50.00		0.489	
6	6:15	0.92	5.000	0.12	3.91	50.00	0.072	0.920	0.08
7	6:55	0.92	10.000	0.07	9.03	50.00	0.065	0.361	0.18
8	7:56		5.000			50.00		1.773	
9	9:12		5.000			50.00		0.973	
10	10:34		5.000			50.00		1.597	
11	11:17		5.000			50.00		1.088	
12	11:54		5.000			50.00		2.278	
13	12:39		5.000			50.00		1.678	
14	20:20	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	12:33		10.000			50.00		0.029	
16	13:59		5.000			50.00		0.504	
7	14:23		5.000			50.00		0.671	
.8	14:32		10.000			50.00		0.289	
19	14:57		5.000			50.00		0.577	
20	16:19		5.000			50.00		0.282	
21	16:37		5.000			50.00		0.441	
22	17:11		5.000			50.00		0.477	
23	17:47		5.000			50.00		0.684	
24	17:54		5.000			50.00		0.331	
25	17:41		5.000			50.00		0.696	
26	17:57		5.000			50.00		0.331	
27	19:01		10.000			50.00		0.211	
28	20:35		5.000			50.00		0.551	
29	25:31	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:06		10.000			50.00		0.444	
31	22:40		10.000			50.00		0.328	
32	23:02		5.000			50.00		0.492	
33	22:56		5.000			50.00		0.623	
34	24:21		5.000			50.00		0.563	
35	25:37		5.000			50.00		0.904	
36	26:07		5.000			50.00		0.447	
37	33:21		5.000			50.00		0.753	
38	33:48		5.000			50.00		0.485	
39	35:11		5.000			100.00		0.450	
40	12:33	0.98	10.000	0.13	50.92	50.00	1.564	1.536	1.02
41	31:25	1.00	10.000	0.12	51.28	50.00	0.847	0.826	1.03
42	24:12	1.00	10.000	0.26	50.66	50.00	3.863	3.812	1.01

VOA
GC/MS WORKSHEET COMPUCHEM: 85028

R1( ) R2( ) D1( ) ( )
R3( ) R4( ) D2( ) ( )

LOW LEVEL SOLID
Deliverable Code 869

Sample Prep Code---155
Instrument Code---257
Compound List---146
Surrogate Std---394
Internal Std---536

SAS: EPA: A1 Dry Weight Factor 1.00

GC/MS ANALYSIS
Amount Purged: ( ) 10als/Kg soil or ( )Dilution: ul/10000ul/Kg soil
Internal Standard Volume Added 5 ul
Surrogate Standard Volume Added 5 ul
BFB Filename BFB60514B18 Disk(2940)
Blank Filename GBB60515C18 Disk ( )
Standard Filename GSB60515C18 Disk ( )
Sample Filename GH085028C18 Disk ( )

ANALYST(S): Injection 891 Work-up 891

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes OK,EA,ES,SK,JS,SL,SH,JA,DA

Non-Entry Codes IM,TL,IN,SU,CT,CS,PC,NR
IF,LA,DI,CO,RN,DW,S1,SF
UP,BS,OT,VC,FO,MS

Disposition: ( ) Complete
( ) Reprep most required
( ) Reprep using
( ) Dilute (:1)

Extraneous Peak Search Results:
# of Peaks Found: 0

Quality Assurance Notice(s):
Notices Required

COMMENTS:

GC/MS Review [signature] Date 5/15/86 Auditor Date / /

REPORT INTEGRATION
Final Reportable Package(s): GH085028C18 Total # of Injections: 1

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

EPA5OL3D 6

[signature]

COMPUCHEM # 085028 FILE: GH085028C18 COMPOUND LIST 146 PAGE 1
VOLATILE - LOW LEVEL SOLID

MP	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IB) <75	184	54100.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	10.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	10.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	10.
209	64		CHLOROETHANE <75-00-3> E5#5				BDL	10.
222	84		METHYLENE CHLORIDE <75-09-2			~~9.9~~	~~BDL~~	5.
252	43		ACETONE (2-PROPANONE) <67-6			~~9.0~~	~~BDL~~	10.
254	76		CARBON DISULFIDE <75-15-0>				BDL	5.
216	96		1,1-DICHLOROETHYLENE <75-35				BDL	5.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL	5.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL	5.
211	83		CHLOROFORM <67-66-3> E5#12				BDL	5.
215	62		1,2-DICHLOROETHANE <107-06-				BDL	5.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	398	213000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2				BDL	10.
227	97		1,1,1-TRICHLOROETHANE <71-5				BOL	5.
206	117		CARBON TETRACHLORIDE <56-23				BOL	5.
257	43		VINYL ACETATE <108-05-4> E6				BDL	10.
212	83		BROMODICHLOROMETHANE <75-27				BDL	5.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	5.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	5.
229	130		TRICHLOROETHYLENE <79-01-6>				BDL	5.
208	129		CHLORODIBROMOMETHANE <124-4				BDL	5.
78	97		1,1,2-TRICHLOROETHANE <79-0				BDL	5.
43	78		BENZENE <71-43-2> E6#12				BDL	5.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL	5.
210	63		2-CHLOROETHYL VINYL ETHER <				BDL	10.
205	173		BROMOFORM <75-25-2> E6#15				BDL	5.
270	117	I	D5-CHLOROBENZENE (IS)	500	210000.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	10.
255	43		2-HEXANONE <591-78-6> E7#3				BDL	10.
224	164		TETRACHLOROETHENE <127-18-4				BDL	5.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL	5.
225	92		TOLUENE <108-88-3> E7#6				BDL	5.
207	112		CHLOROBENZENE <108-90-7> E7				BDL	5.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	5.
251	104		STYRENE <100-42-5> E7#9				BDL	5.
240	106		M-XYLENE E7#10				BDL	5.
271	106		O,P-XYLENE E7#11				BDL	5.
258	65	S	D4-1,2-DICHLOROETHANE E8#2			50.9	102. %	
247	95	S	BROMOFLUOROBENZENE <460-00-			51.3	102. %	
233	98	S	D8-TOLUENE E8#4			50.6	101. %	
CHECKSUMS:								
1964.	744			1092	477100.	315.7	305.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE EB#2	50.9	50.0	102.	70-121	X	
41	247	BROMOFLUOROBENZENE <460-00-	51.3	50.0	102.	74-121	X	
42	233	D8-TOLUENE EB#4	50.6	50.0	101.	81-117	X	

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS ✓

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.00\ (G)} \times \frac{1.0}{1.0} \times \frac{1.0}{1.0} = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

(19)

VOLATILE PREP WORKSHEET

№ 1745

ASSIGNED TO Pat

DATE 5-13-86

Sample Number	Prep Code	Case No.	QC Sample Type	QC Sample Original	Sample Weight (g) Volume (ml)	Date Comp.	Screens LIQ	Screens S	Screens L	Screens M	Comments
84986	-155	URS WEST			5.07g	5.13.86					ENT
84988			BS		0ml						
84989			SS	84986	5.07g						
84990					5.01g						ENT
84991			SS	84990	5.01g						
85000					5.02g						ENT
85001					5.07g						ENT
85002					5.00g						ENT
85003					5.01g						ENT
85004					5.09						ENT
85005					5.09						ENT
85028			B		5.0ml	5.13.86					
85029			B		0ml	5.13.86					
			B								

Surrogate No. /

Amount /

Lot /

MBy 5-13-86

Schedule Reference

Manual Counter 2781 715

Sample Number
86066

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: 86086066A17
Sample matrix: solid
Data Release
Authorized By: ____GP________

Case: WCS WEST
QC Report No: ______________
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 05-19-86
Date analyzed: 05-20-86
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 0%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	4.2	J	71-43-2	Benzene	5.0	U
67-64-1	Acetone	6.6	J	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

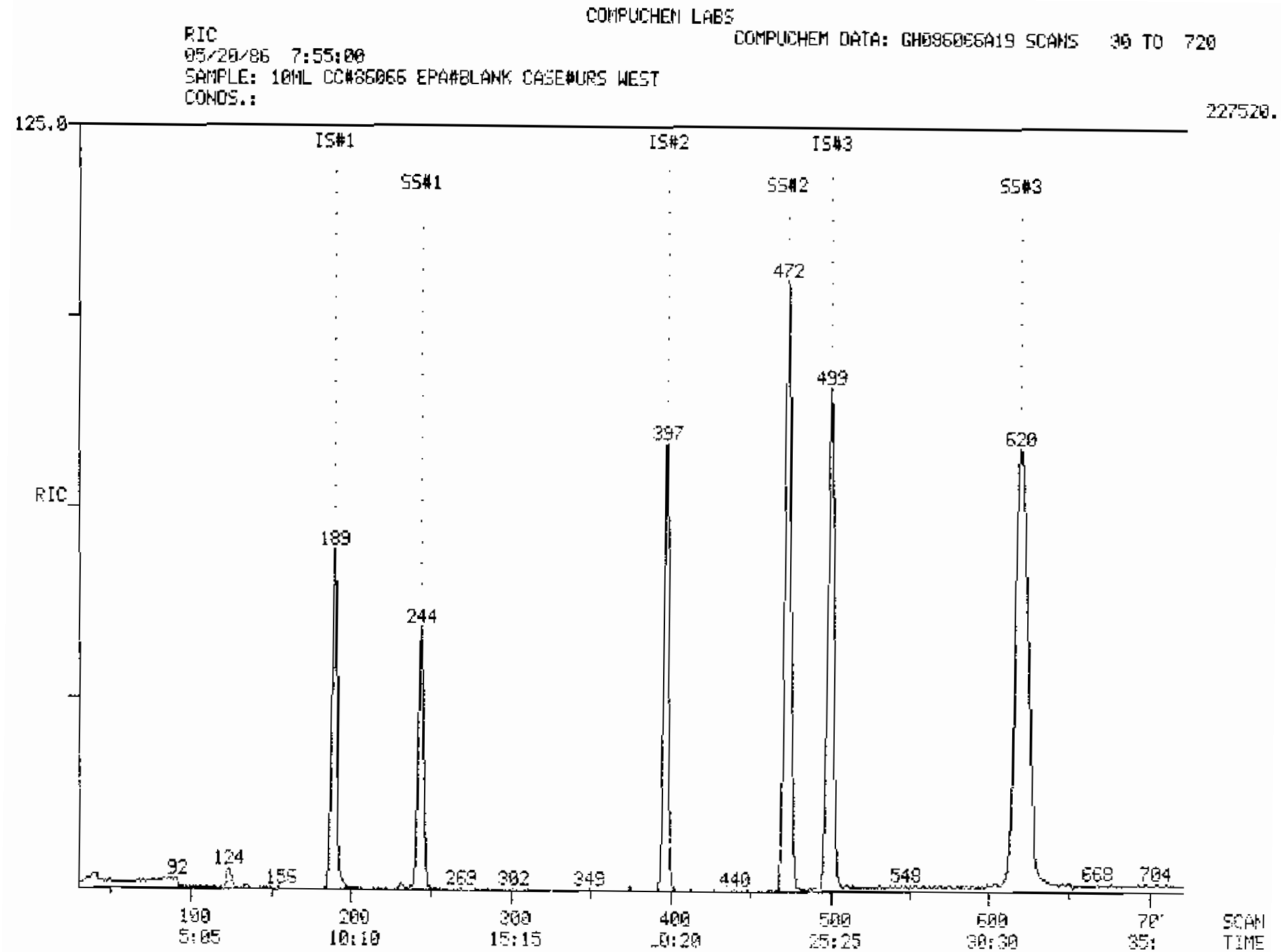
Case No: URS West

Sample Number: GH086066A19

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
05/20/86 7:55:00
COMPUCHEM DATA: GH0860SSA19 SCANS 30 TO 720
SAMPLE: 10ML CC#86065 EPA#BLANK CASE#URS WEST
CONDS.:
125.0
227520.
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
472
499
397
620
189
244
RIC
92
124
155
269
302
349
440
548
668
704
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E23B FILENAME: GH080066A19 DATE: 05/20/86
SHIFT STD: GU860520C19 TIME: 7:55

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	62196.	82166.	-24.	PASS
*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	231008.	348304.	-34.	PASS
*270 D5-CHLOROBENZENE (IS)	229526.	329671.	-30.	PASS

```
QUANTITATION REPORT     FILE: GH086066A19

   TA: GH086066A19.TI
    20/86   7:55:00
SAMPLE:  10ML CC#86066 EPA#BLANK CASE#URS WEST
CONDS. :
SUBMITTED BY:  19              ANALYST:  819

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

 NO   NAME
  1   *234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
  2    221 CHLOROMETHANE <75-01-4> E5#2
  3    220 BROMOMETHANE <78-83-9> E5#3
  4    231 VINYL CHLORIDE <75-01-4> E5#4
  5    209 CHLOROETHANE <75-00-3> E5#5
  6    222 METHYLENE CHLORIDE <75-09-2> E5#6
  7    252 ACETONE (2-PROPANONE) <67-64-1> E5#7
  8    254 CARBON DISULFIDE <75-15-0> E5#8
  9    216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
 10    214 1,1-DICHLOROETHANE <75-34-3> E5#10
 11    226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
 12    211 CHLOROFORH <67-66-3> E5#12
 13    215 1,2-DICHLOROETHANE <107-06-2> E5#13
 14   *248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
 15    253 2-BUTANONE <78-93-3> E6#2
 16    227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
  `    206 CARBON TETRACHLORIDE <56-23-5>
  3    257 VINYL ACETATE <108-05-4> E6#5
 19    212 BROMODICHLOROHETHANE <75-27-4> E6#6
 20    217 1,2-DICHLOROPROPANE <78-87-5> E6#7
 21    250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
 22    229 TRICHLOROETHYLENE <79-01-6> E6#9
 23    208 CHLORODIBROMOMETHANE <124-48-1> E6#10
 24    228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
 25    203 BENZENE <71-43-2> E6#12
 26    218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
 27    210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
 28    205 BROMOFORM <75-25-2> E6#15
 29   *270 DS-CHLOROBENZENE (IS)
 30    256 4-METHYL-2-PENTANONE <108-10-1> E7#2
 31    255 2-HEXANONE <591-78-6> E7#3
 32    224 TETRACHLOROETHENE <127-18-4> E7#4
 33    223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
 34    225 TOLUENE <108-88-3> E7#6
 35    207 CHLOROBENZENE <108-90-7> E7#7
 36    219 ETHYLBENZENE <100-41-4> E7#8
 37    251 STYRENE <100-42-5> E7#9
 38    240 M-XYLENE E7#10
 39    271 O,P-XYLENE E7#11
 40   #258 D4-1,2-DICHLOROETHANE E8#2
 41   #247 BROMOFLUOROBENZENE <460-00-4> E8#3
 42   #233 D8-TOLUENE E8#4

NO   M/E   SCAN    TIME   REF    RRT   METH      AREA(HGHT)   AMOUNT          %TOT
 1   128     189    9:36    1   1.000   A BV        62196.     50.000 UG/KG  15.12
 2    50   NOT FOUND
```

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	124	6:18	1	0.656	A BB	6412.	4.249	UG/KG	1.28
7	43	135	6:52	1	0.714	A BB	2600.	6.613	UG/KG	2.00
8	76	NOT FOUND								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	NOT FOUND								
13	62	NOT FOUND								
14	114	397	20:11	14	1.000	A BV	231008.	50.000	UG/KG	15.12
15	72	NOT FOUND								
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	NOT FOUND								
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	NOT FOUND								
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	499	25:22	29	1.000	A BV	229526.	50.000	UG/KG	15.12
	43	NOT FOUND								
	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	NOT FOUND								
35	112	NOT FOUND								
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	244	12:24	1	1.291	A BV	103970.	52.403	UG/KG	15.85
41	95	621	31:34	29	1.244	A BB	247094.	60.387	UG/KG	18.26
42	98	472	24:00	1	2.497	A BV	283389.	57.096	UG/KG	17.26

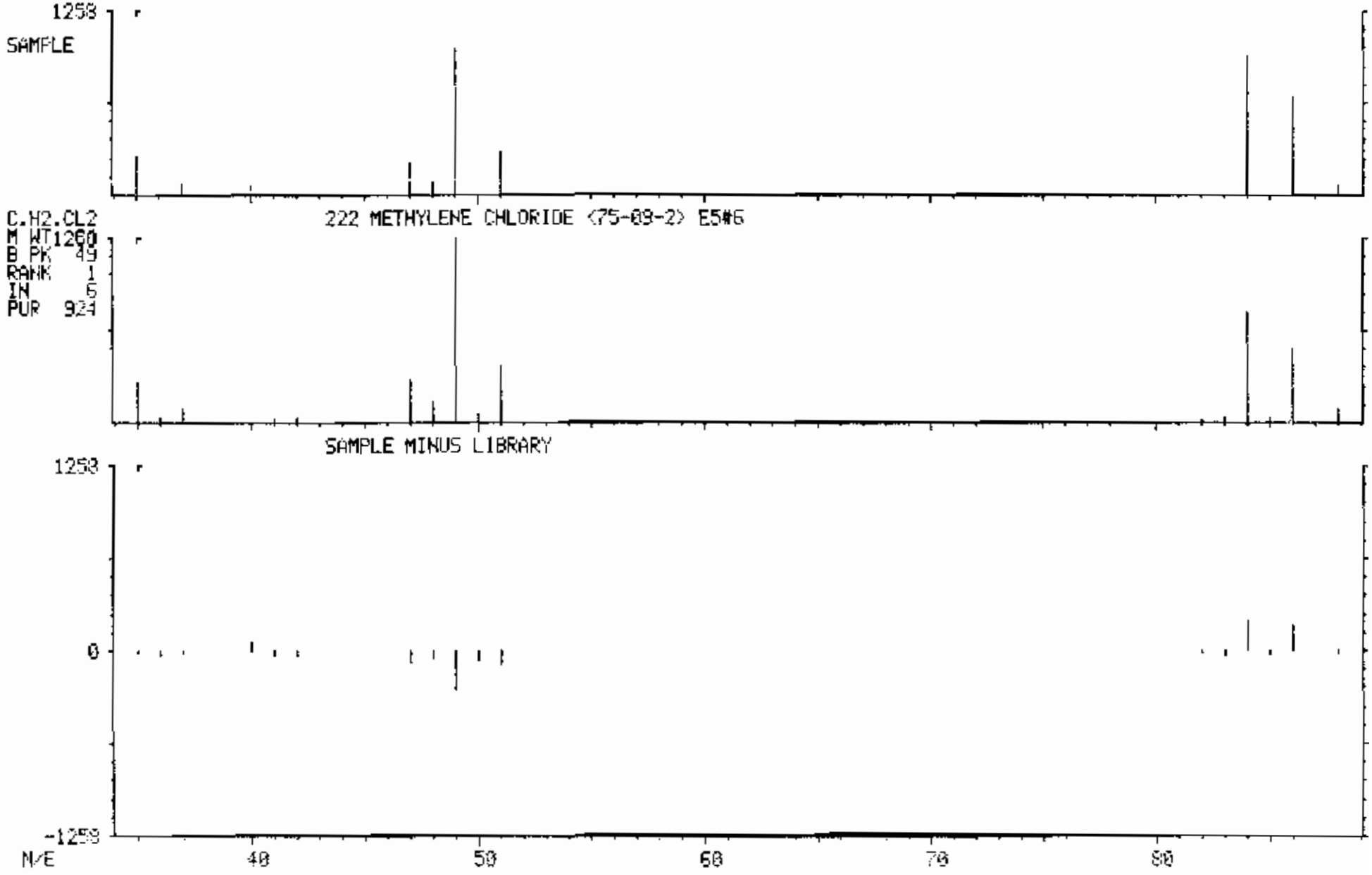
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:36	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.596	
3	2:32		10.000			50.00		1.298	
4	3:15		10.000			50.00		0.867	
5	4:10		10.000			50.00		0.451	
6	6:18	1.00	5.000	0.13	4.25	50.00	0.103	1.213	0.08
7	6:52	1.00	10.000	0.07	6.61	50.00	0.042	0.316	0.13
8	7:50		5.000			50.00		2.063	
9	9:06		5.000			50.00		0.937	
10	10:28		5.000			50.00		1.353	
11	11:11		5.000			50.00		1.042	
	11:51		5.000			50.00		2.468	
13	12:33		5.000			50.00		1.441	
14	20:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:24		10.000			50.00		0.025	
16	13:56		5.000			50.00		0.512	
17	14:20		5.000			50.00		0.563	
18	14:26		10.000			50.00		0.201	
19	14:54		5.000			50.00		0.512	
20	16:16		5.000			50.00		0.213	
21	16:31		5.000			50.00		0.326	
22	17:05		5.000			50.00		0.396	
23	17:47		5.000			50.00		0.463	
24	17:54		5.000			50.00		0.285	
25	17:35		5.000			50.00		0.569	
26	17:51		5.000			50.00		0.214	
27	18:58		10.000			50.00		0.118	
28	20:35		5.000			50.00		0.315	
29	25:25	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:00		10.000			50.00		0.207	
31	22:37		10.000			50.00		0.162	
32	22:56		5.000			50.00		0.419	
33	22:59		5.000			50.00		0.497	
34	24:15		5.000			50.00		0.527	
35	25:34		5.000			50.00		0.808	
36	28:07		5.000			50.00		0.410	
37	33:39		5.000			50.00		0.803	
38	34:07		5.000			50.00		0.529	
39	35:29		5.000			100.00		0.514	
40	12:27	1.00	10.000	0.13	52.40	50.00	1.672	1.595	1.05
41	31:40	1.00	10.000	0.12	60.39	50.00	1.077	0.891	1.21
42	24:03	1.00	10.000	0.25	57.10	50.00	4.556	3.990	1.14

COMPUCHEM LABS

LIBRARY SEARCH
05/20/86 7:55:00 + 6:18
SAMPLE: 10ML CC#86066 EPA#BLANK CASE#URS WEST
ENHANCED (S 15B 2N 0T)

DATA: GN086066A19 # 124
BASE M/E: 49
RIC: 5815.

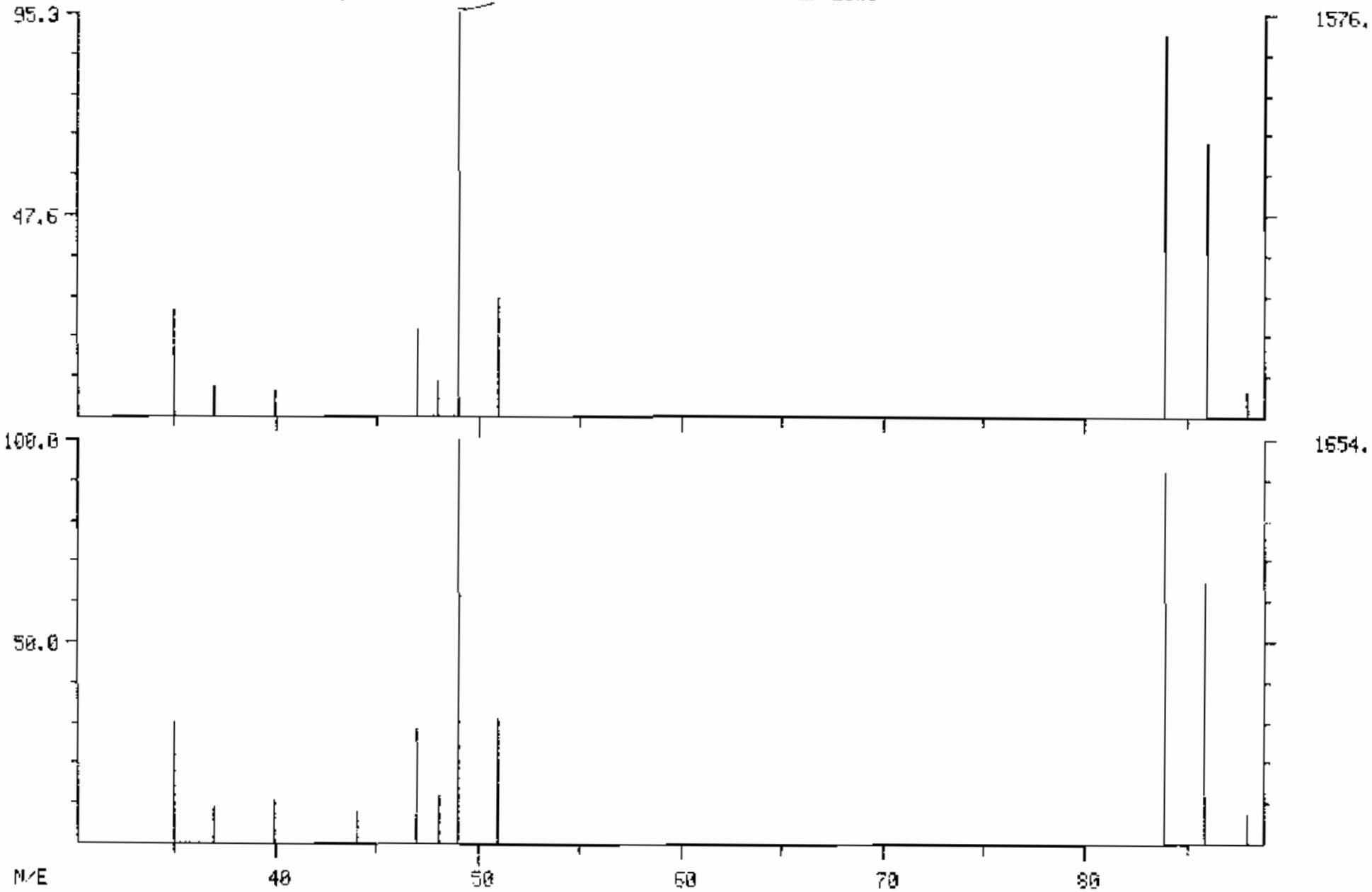


COMPUCHEM LABS

DUAL MASS SPECTRUM
05/20/86 7:55:00 + 6:18
SAMPLE: 10ML CC#86066 EPA#BLANK CASE#URS WEST
ENHANCED (S 15B 2N)

DATA: GH086066A19 #124 BASE M/E: 49/ 49
RIC: 5815./ 6511.

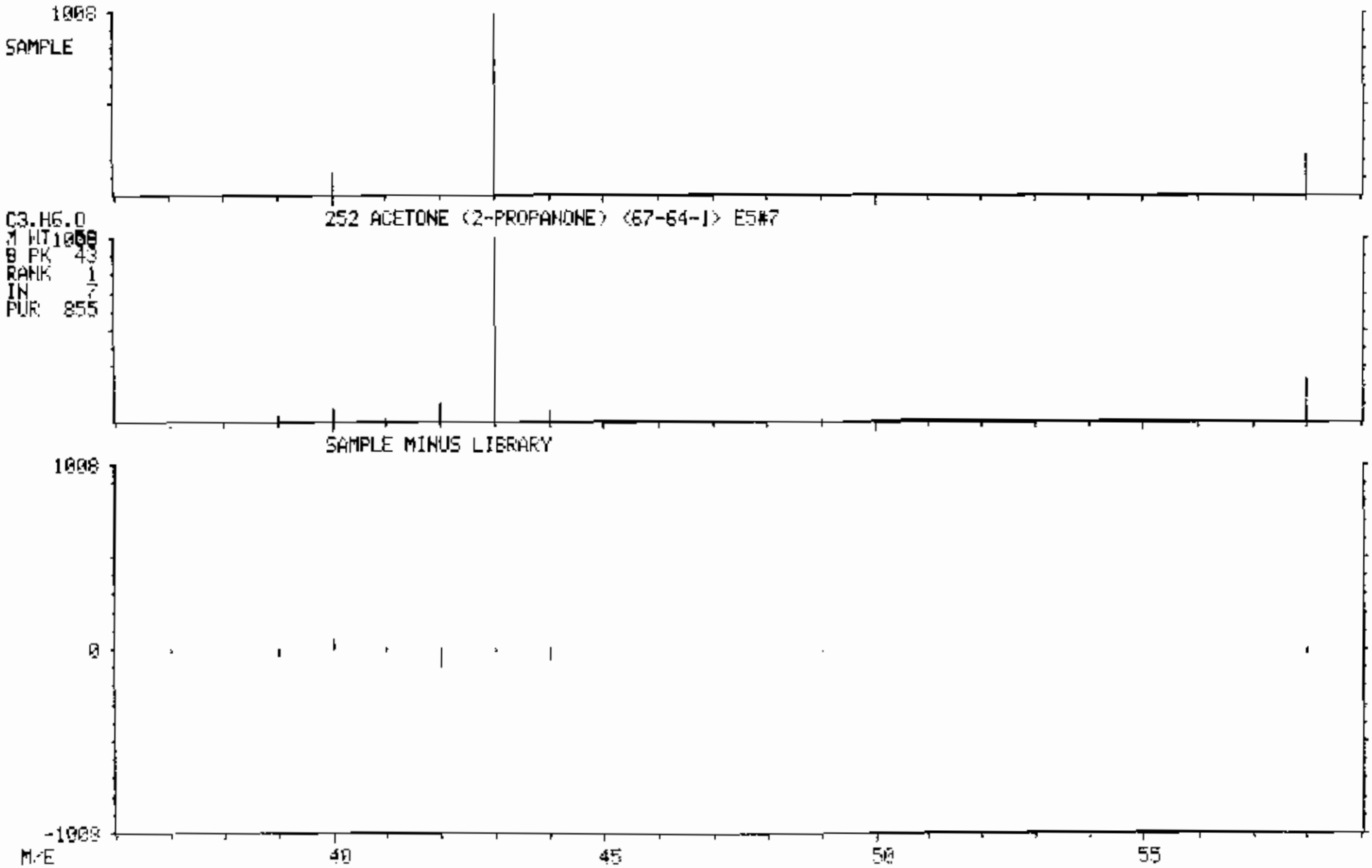
222 METHYLENE CHLORIDE (75-09-2) ES#6



COMPUCHEM LABS

LIBRARY SEARCH
05/20/86 7:55:00 + 6:52
SAMPLE: 10ML CC#86065 EPA#BLANK CASE#URS WEST
ENHANCED (S 15B 2N 0T)

DATA: GH086056A13 # 135
BASE M/E: 43
RIC: 982.

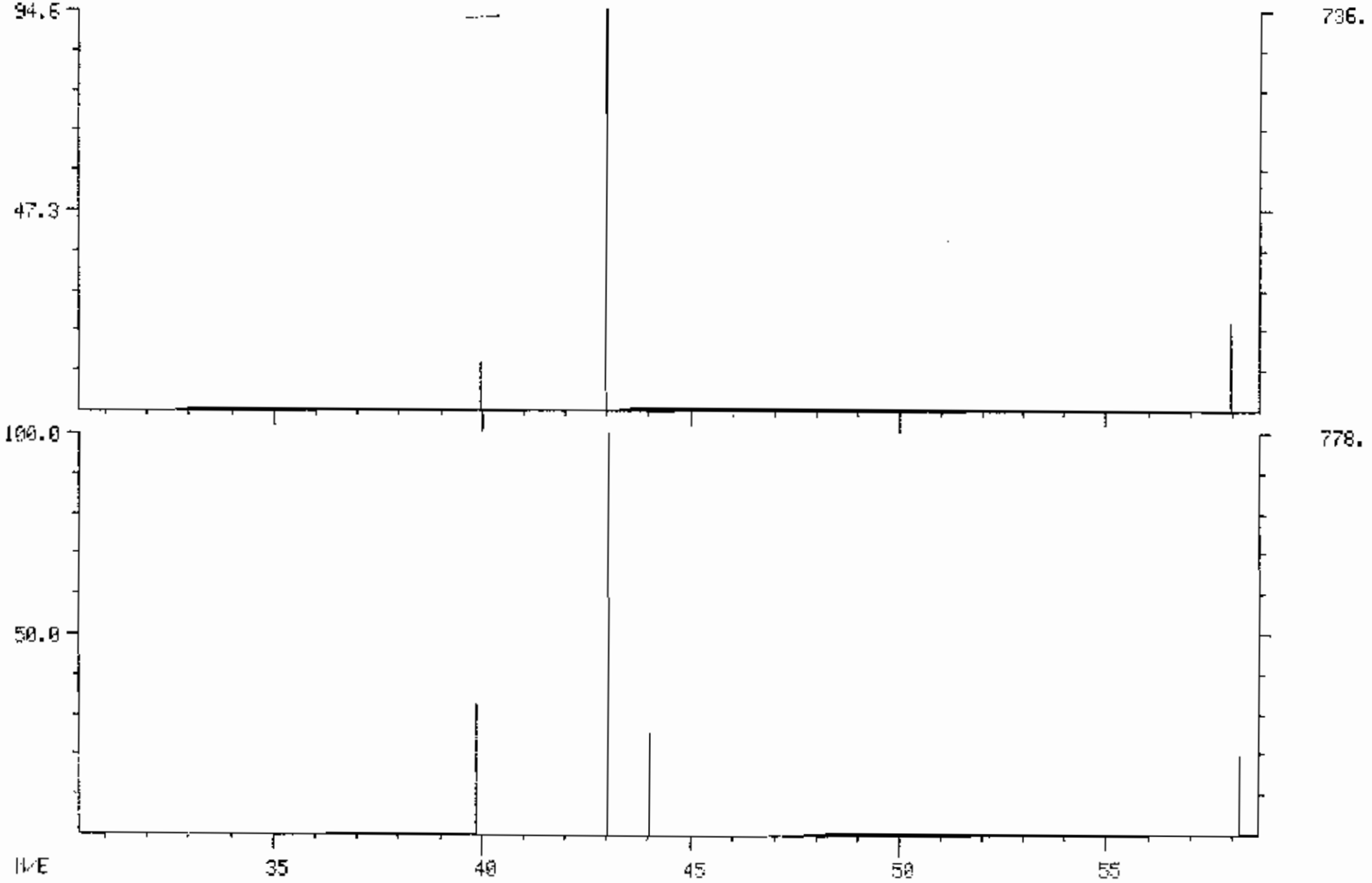


COMPUCHEM LABS

DUAL MASS SPECTRUM
05/20/86 7:55:00 + 6:52
SAMPLE: 10ML CC#86066 EPA#BLANK CASE#URS WEST
ENHANCED (S 15B 2N)

DATA: GH086066A19 #135 BASE M/E: 43/ 43
RIC: 982./ 1385.

252 ACETONE (2-PROPANONE) (67-64-1) E5#7



QC

CASE# URS WEST DUE DATE ___/___/___

GC/MS WORKSHEET COMPUCHEM# 86066

R ___ R2 ___ D ___ [___ :1)

R3 ___ R4 ___ D2 ___ [___ :1)

LOW LEVEL SOLID
Deliverable Code 069

Sample Prep Code -155
Instrument Code 257
Compound List 146
Surrogate Std 394
Internal Std 036

AS___ EPA# 101 Dry Weight Factor___

C/MS ANALYSIS
Amount Purged: X 10mls/Xg soil or ___ Dilution ___ ul/10000ul/Xg soil
Internal Standard Volume Added 5 ul
Surrogate Standard Volume Added 5 ul
BFB Filename BF860520C19 Disk[3017]
Blank Filename G-B860520C19 Disk[ ]
Standard Filename G-U860520C19 Disk[ ]
Sample Filename GHC86066A19 Disk[ ]

ANALYST(S): Injection 819 Work-up 819

C/MS REVIEW

CONDITION CODE OK

Entry Codes OK,EA,ES,SM,JD,SL,SH,JA,DR

Non-Entry Codes IM,IL,IH,SU,CT,CS,PC,NR
IF,LA,DI,CO,RN,DW,SI,SF
UP,BB,OT,VC,FO,NS

Disposition: ✓ Complete

___ Reprep next required

___ Reprep using ___

___ Dilute (:1)

Extrentbus Peak Search Results:
# of Peaks Found: 0

Quality Assurance Notice(s):
Notices Required___

COMMENTS:

C/MS Review SAH Date 5/21/86 Auditor___ Date___/___/___

REPORT INTEGRATION Total # of Injections: 1/___
Final Reportable Package(s): GHC86066A19 /___

LAB COMMENTS

Initials___ Date___/___/___

FINAL REVIEW Initials___ Date___/___/___

NCWORKS5 (9/84)

5/22

VOLATILE - LOW LEVEL SOLID

#	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IS) <75	189	62200.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	10.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	10.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	10.
209	64		CHLOROETHANE <75-00-3> E5#5				BDL	10.
222	84		METHYLENE CHLORIDE <75-09-2			4.2	J	5.
252	43		ACETONE (2-PROPANONE) <67-6			6.6	J	10.
254	76		CARBON DISULFIDE <75-15-0>				BDL	5.
216	96		1,1-DICHLOROETHYLENE <75-35				BDL	5.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL	5.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL	5.
211	83		CHLOROFORM <67-66-3> E5#12				BDL	5.
215	62		1,2-DICHLOROETHANE <107-06-				BDL	5.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	397	231000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2				BDL	10.
227	97		1,1,1-TRICHLOROETHANE <71-5				BDL	5.
206	117		CARBON TETRACHLORIDE <56-23				BDL	5.
257	43		VINYL ACETATE <108-05-4> E6				BDL	10.
212	83		BROMODICHLOROMETHANE <75-27				BDL	5.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	5.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	5.
229	130		TRICHLOROETHYLENE <79-01-6>				BDL	5.
[illegible]	129		CHLORODIBROMOMETHANE <124-4				BDL	5.
[illegible]	97		1,1,2-TRICHLOROETHANE <79-0				BDL	5.
203	78		BENZENE <71-43-2> E6#12				BDL	5.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL	5.
210	63		2-CHLOROETHYL VINYL ETHER <				BDL	10.
205	173		BROMOFORM <75-25-2> E6#15				BDL	5.
270	117	I	D5-CHLOROBENZENE (IS)	499	230DD0.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	10.
255	43		2-HEXANONE <591-78-6> E7#3				BDL	10.
224	164		TETRACHLOROETHENE <127-18-4				BDL	5.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL	5.
225	92		TOLUENE <108-88-3> E7#6				BDL	5.
207	112		CHLOROBENZENE <108-90-7> E7				BDL	5.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	5.
251	104		STYRENE <100-42-5> E7#9				BDL	5.
240	106		M-XYLENE E7#10				BDL	5.
271	106		O,P-XYLENE E7#11				BDL	5.
258	65	S	D4-1,2-DICHLOROETHANE E8#2			52.4	105.%	
247	95	S	BROMOFLUOROBENZENE <460-00-			60.4	121.%	
233	98	S	D8-TOLUENE E8#4			57.1	114.%	
CHECKSUMS:								
1964.	744			1085	523200.	330.7	340.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE E8#2	52.4	50.0	105.	70-121	X	
41	247	BROMOFLUOROBENZENE <460-00-	60.4	50.0	121.	74-121	X	*
42	230	D8-TOLUENE E8#4	57.1	50.0	114.	81-117	X	

ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS ✓ ___

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.00\ (G)} \times \frac{1.0}{1.0} \times \frac{1.0}{1.0} = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

(19)

VOLATILE PREP WORKSHEET

№ 1192

ASSIGNED TO PAT

DATE 5-19-86

B

Sample Number	Prep Code	Case No.	QC Sample Type	QC Sample Original	Sample Weight (g) Volume (ml)	Date Comp.	Screens LIQ	Screens S	Screens L	Screens M	Comments
84991R	-155	VRS	SS	84986	5.10g	5-19-86					
84989R2 84987R3	1		SS	84986	5.10g	5-19-86					
84066			B		5.0ml	5-19-86					
84067			B		0ml	5-19-86					
			B								

Surrogate No. /

Amount

Lot /

MA 5-19-86 Schedule Reference

reused 5/19/86 MA Manual Counter 278/721

Laboratory Name: CompuChem
[illegible]

Sample Number
6H085102A15

Organics Analysis Data Sheet
(Page 2)

gb

Semivolatile Compounds

Concentration: low
Date extracted/prepared: 5-13-86
Date analyzed: 5-16-86
Conc/Dil Factor: 33.90
Percent moisture (decanted): 97%

GPC Cleanup: No
Separatory Funnel Extraction: Yes
Continuous Liquid - Liquid Extraction: No

CAS Number		ug/kg		CAS Number		ug/kg	
108-95-2	Phenol	340	U	83-32-9	Acenaphthene	340	U
111-44-4	bis(2-Chloroethyl) ether	340	U	51-28-5	2,4-Dinitrophenol	1700	U
95-57-8	2-Chlorophenol	340	U	100-02-7	4-Nitrophenol	1700	U
541-73-1	1,3-Dichlorobenzene	340	U	132-64-9	Dibenzofuran	340	U
106-46-7	1,4-Dichlorobenzene	340	U	121-14-2	2,4-Dinitrotoluene	340	U
100-51-6	Benzyl Alcohol	340	U	606-20-2	2,6-Dinitrotoluene	340	U
95-50-1	1,2-Dichlorobenzene	340	U	84-66-2	Diethylphthalate	340	U
95-48-7	2-Methylphenol	340	U	7005-72-3	4-Chlorophenyl Phenyl ether	340	U
39638-32-9	bis(2-Chloroisopropyl) ether	340	U	86-73-7	Fluorene	340	U
106-44-5	4-Methylphenol	340	U	100-01-6	4-Nitroaniline	1700	U
621-64-7	N-Nitroso-Dipropylamine (GB) 340 U	~~41.~~	~~J~~	534-52-1	4,6-Dinitro-2-methylphenol	1700	U
67-72-1	Hexachloroethane	340	U	86-30-6	N-nitrosodiphenylamine (1) (GB) 41J	~~340~~	~~U~~ ~~410J~~
98-95-3	Nitrobenzene	340	U	101-55-3	4-Bromophenyl Phenyl ether	340	U
78-59-1	Isophorone	340	U	118-74-1	Hexachlorobenzene	340	U
88-75-5	2-Nitrophenol	340	U	87-86-5	Pentachlorophenol	1700	U
105-67-9	2,4-Dimethylphenol	340	U	85-01-8	Phenanthrene	340	U
65-85-0	Benzoic Acid	1700	U	120-12-7	Anthracene	340	U
111-91-1	bis(2-Chloroethoxy) methane	340	U	84-74-2	Di-n-butylphthalate	340	U
120-83-2	2,4-Dichlorophenol	340	U	206-44-0	Fluoranthene	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U	129-00-0	Pyrene	340	U
91-20-3	Naphthalene	340	U	85-68-7	Butyl Benzyl Phthalate	340	U
106-47-8	4-Chloroaniline	340	U	91-94-1	3,3'-Dichlorobenzidine	680	U
87-68-3	Hexachlorobutadiene	340	U	56-55-3	Benzo(a)anthracene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U	117-81-7	bis(2-ethylhexyl)phthalate	340	U
91-57-6	2-Methylnaphthalene	340	U	218-01-9	Chrysene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U	117-84-0	Di-n-octyl Phthalate (GB) 340 U	~~200~~	~~J~~
88-06-2	2,4,6-Trichlorophenol	340	U	205-99-2	Benzo(b)fluoranthene	340	U
95-95-4	2,4,5-Trichlorophenol	1700	U	207-08-9	Benzo(k)fluoranthene	340	U
91-58-7	2-Chloronaphthalene	340	U	50-32-8	Benzo(a)pyrene	340	U
88-74-4	2-Nitroaniline	1700	U	193-39-5	Indeno(1,2,3-cd)pyrene	340	U
131-11-3	Dimethyl Phthalate	340	U	53-70-3	Dibenz(a,h)anthracene	340	U
208-96-8	Acenaphthylene	340	U	191-24-2	Benzo(g,h,i)perylene	340	U
99-09-2	3-Nitroaniline	1700	U				

(1) Cannot be separated from diphenylamine

SAMPLE NUMBER BLK

COMPUCHEM FILE GH085102A15

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)		
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-	SEMI2	351	2300.	J	B
2	~~13189-13-4~~	~~1H-IMIDAZOLE-4-CARBOXAMIDE, N-PHENYL-~~	SEMI2	773	990.	J	

33.900 40.00

SPECTROSCOPIST _____

DATE _____

COMPUCHEM LABS

RIC

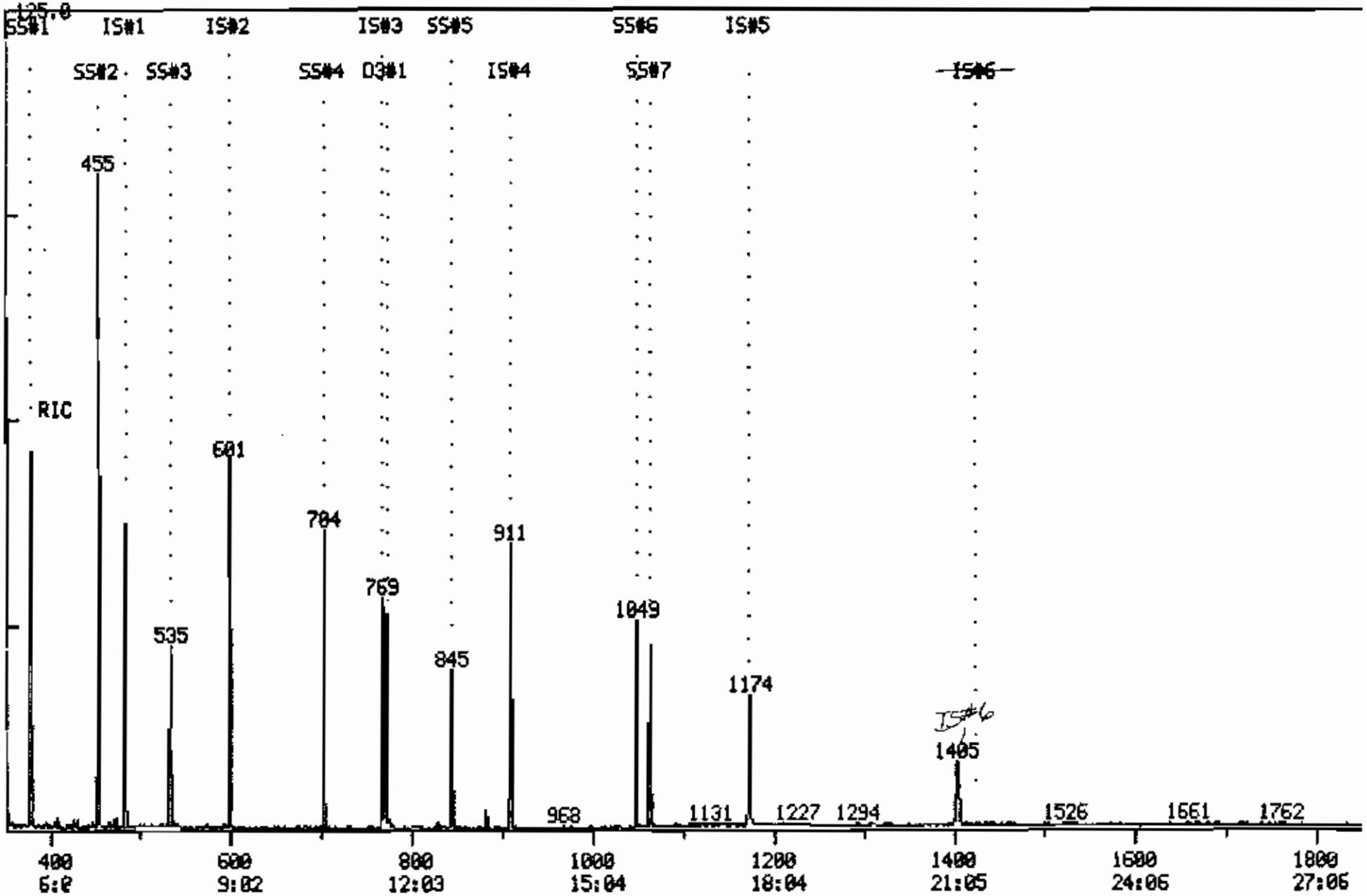
05/16/86 10:44:00

COMPUCHEM DATA: QH085102A15 SCANS 351 TO 1851

OUT OF 351 TO 1950

SAMPLE: 1 UL 85102 5-13-86 EPA#BLK#1 CASE#URS ON#15

CONDS.:



INTERNAL STANDARD AREA MONITOR

METHOD: SEMI2 FILENAME: GH089102A15 DATE: 05/16/86
SHIFT STD: HC860516C15 TIME: 10:44

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*494 D4-1,4-DICHLOROBENZENE (IS#1)	73264.	80292.	-9.	PASS
*460 D8-NAPHTHALENE (IS#2)	252228.	309736.	-9.	PASS
*495 D10-ACENAPHTHENE (IS#3)	116516.	134164.	-13.	PASS
*467 D10-PHENANTHRENE (IS#4)	163700.	198608.	-18.	PASS
*459 D12-CHRTSENE (IS#5)	112476.	152257.	-26.	PASS
*497 D12-PERYLENE (IS#6)	~~374~~ 100390	130801.	~~-100.~~ 23	~~FAIL~~ Pass

QUANTITATION REPORT FILE: GH085102A15

DATA: GH085102A15.TI
 5/16/86 10:44:00
SAMPLE: 1 UL 85102 5-13-86 EPA#BLK#1 CASE#VRS ON#15
CONDS.:
SUBMITTED BY: 15 ANALYST: 740

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 DS-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
8	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
19	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	*467 D10-PHENANTHRENE (I8#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	*459 D12-CHRYSENE (I8#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	*497 D12-PERYLENE (I8#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (S8#1)
73	#612 D5-PHENOL (S8#2)
74	#447 D5-NITROBENZENE (S8#3)
75	#448 2-FLUOROBIPHENYL (S8#4)
76	#628 2,4,6-TRIBROMOPHENOL (S8#5)
77	#496 D14-TERPHENYL (S8#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	485	7:18	1	1.000	A BB	73264.	40.000 NG	6.98
2	94	NOT FOUND							
3	93	NOT FOUND							
4	128	NOT FOUND							
5	146	NOT FOUND							
6	146	NOT FOUND							
7	108	NOT FOUND							
8	146	NOT FOUND							
9	108	NOT FOUND							
10	45	NOT FOUND							
11	108	NOT FOUND							
12	70	NOT FOUND							
13	117	NOT FOUND							
14	77	NOT FOUND							
15	136	601	9:03	15	1.000	A BB	282228.	40.000 NG	6.98
16	82	NOT FOUND							
17	139	NOT FOUND							
18	122	NOT FOUND							
19	122	NOT FOUND							
20	93	NOT FOUND							
21	162	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	NOT FOUND								
23	128	NOT FOUND								
24	127	NOT FOUND								
25	225	NOT FOUND								
26	107	NOT FOUND								
27	142	NOT FOUND								
28	164	769	11:35	28	1.000	A BB	116516.	40.000	NG	6.98
29	237	NOT FOUND								
30	196	NOT FOUND								
31	196	NOT FOUND								
32	162	NOT FOUND								
33	65	NOT FOUND								
34	163	NOT FOUND								
35	152	NOT FOUND								
36	138	NOT FOUND								
37	153	NOT FOUND								
38	184	NOT FOUND								
39	139	NOT FOUND								
40	168	NOT FOUND								
41	89	NOT FOUND								
42	165	NOT FOUND								
43	149	NOT FOUND								
44	204	NOT FOUND								
45	166	NOT FOUND								
46	138	NOT FOUND								
47	188	911	13:43	47	1.000	A BV	163700.	40.000	NG	6.98
48	198	NOT FOUND								
49	169	831	12:31	47	0.912	A BB	3212.	1.215	NG	0.21 Yes.
50	248	NOT FOUND								
51	284	NOT FOUND								
52	266	NOT FOUND								
53	178	NOT FOUND								
54	178	NOT FOUND								
55	149	NOT FOUND								
56	202	NOT FOUND								
57	240	1173	17:40	57	1.000	A BV	112476.	40.000	NG	6.98
58	202	NOT FOUND								
59	149	NOT FOUND								
60	252	NOT FOUND								
61	228	NOT FOUND								
62	149	NOT FOUND								
63	228	NOT FOUND								
64	264	1405	21:10	64	1.000	A BB	100390.	40.000	NG	6.98
65	149	1279	19:16	64	0.910	A BB	268.	0.044	NG	0.01 NO.
66	252	NOT FOUND								
67	252	NOT FOUND								
68	252	NOT FOUND								
69	276	NOT FOUND								
70	278	NOT FOUND								
71	276	NOT FOUND								
72	112	379	5:42	1	0.781	A BV	222816.	65.328	NG	11.40
73	99	455	6:51	1	0.938	A BV	315588.	67.039	NG	11.70
74	82	535	8:03	15	0.890	A BV	121980.	32.051	NG	5.59
75	172	704	10:36	28	0.915	A BB	147108.	37.641	NG	6.57
76	141	845	12:44	28	1.099	A BB	15584.	52.917	NG	9.24
77	244	1064	16:01	57	0.907	A BV	105784.	38.365	NG	6.70

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1049	15:48	57	0.894	A VV	142028.	38.390	NG	6.70
79	216	NOT FOUND								

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:54		10.000			50.00		3.165	
3	7:01		10.000			50.00		2.181	
4	7:06		10.000			50.00		1.679	
5	7:17		10.000			50.00		1.586	
6	7:22		10.000			50.00		1.648	
7	7:32		10.000			50.00		1.221	
8	7:36		10.000			50.00		1.527	
9	7:42		10.000			50.00		1.559	
10	7:45		10.000			50.00		3.677	
11	7:53		10.000			50.00		1.798	
12	7:56		10.000			50.00		1.707	
13	8:03		10.000			50.00		0.832	
14	8:08		10.000			50.00		2.261	
15	9:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:27		10.000			50.00		1.009	
17	8:34		10.000			50.00		0.213	
18	8:37		10.000			50.00		0.343	
19	8:44		50.000			50.00		0.199	
20	8:45		10.000			50.00		0.541	
21	8:54		10.000			50.00		0.260	
22	9:02		10.000			50.00		0.299	
23	9:08		10.000			50.00		1.102	
24	9:12		10.000			50.00		0.427	
25	9:24		10.000			50.00		0.145	
26	9:53		10.000			50.00		0.383	
27	10:07		10.000			50.00		0.625	
28	11:39	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:27		10.000			50.00		0.326	
30	10:33		10.000			50.00		0.430	
31	10:36		50.000			50.00		0.377	
32	10:49		10.000			50.00		1.274	
33	11:00		50.000			50.00		0.622	
34	11:18		10.000			50.00		1.531	
35	11:26		10.000			50.00		2.018	
36	11:35		50.000			50.00		0.433	
37	11:42		10.000			50.00		1.220	
38	11:44		50.000			50.00		0.113	
39	11:48		50.000			50.00		0.275	
40	11:57		10.000			50.00		1.759	
41	11:57		10.000			50.00		0.522	
42	11:23		10.000			50.00		0.345	
43	12:20		10.000			50.00		1.341	
44	12:25		10.000			50.00		0.577	
45	12:26		10.000			50.00		1.261	
46	12:29		50.000			50.00		0.383	
47	13:49	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:34		50.000			50.00		0.114	
49	12:36	0.99	10.000	0.09	1.21	50.00	0.016	0.646	0.02
50	13:08		10.000			50.00		0.252	
51	13:22		10.000			50.00		0.311	
52	13:37		50.000			50.00		0.166	

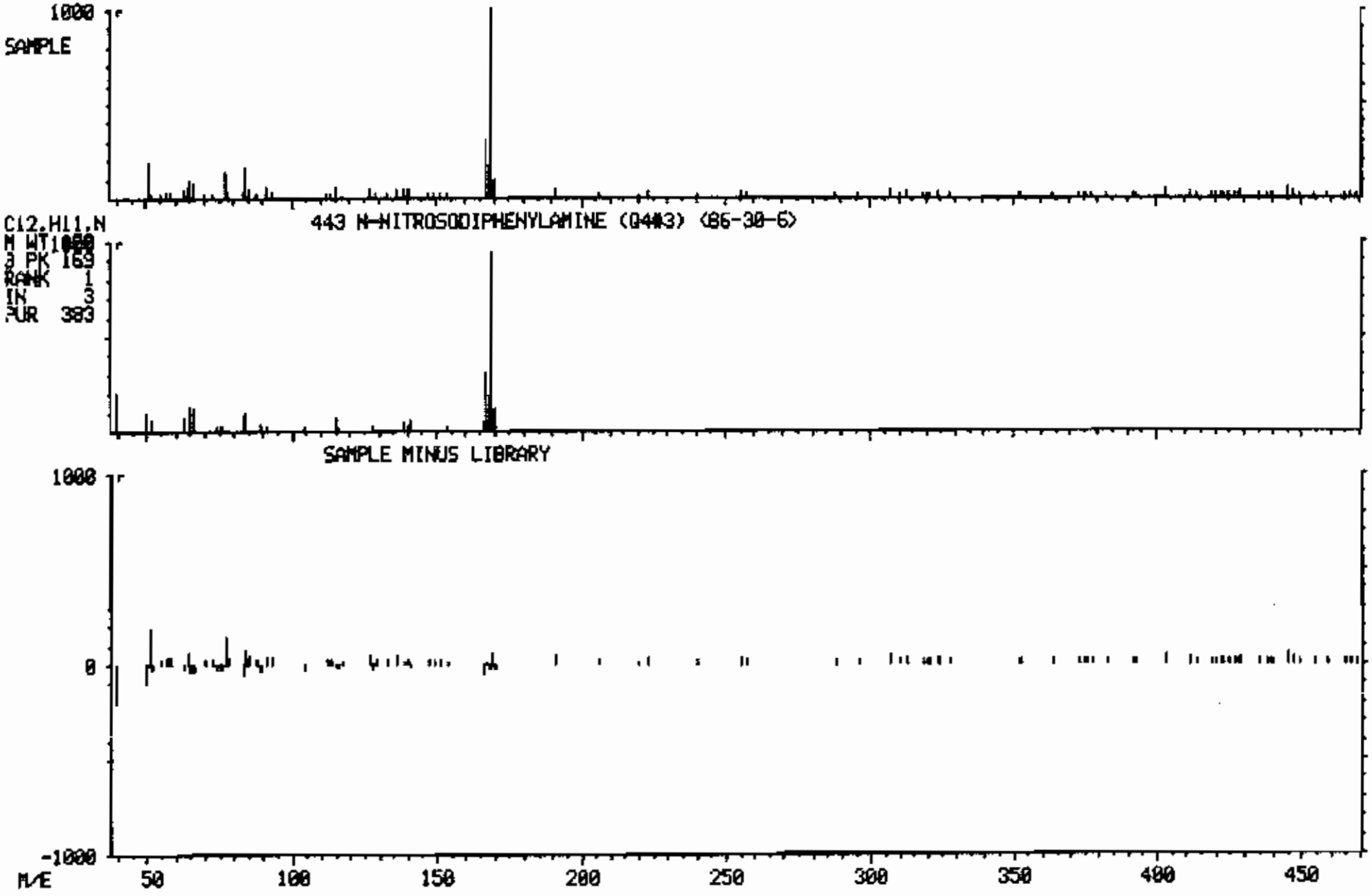
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
53	13:51		10.000			50.00		1.275	
54	13:55		10.000			50.00		0.933	
55	14:41		10.000			50.00		1.700	
56	15:36		10.000			50.00		1.227	
57	17:50	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:56		10.000			50.00		1.504	
59	16:51		10.000			50.00		0.875	
60	17:44		20.000			50.00		0.381	
61	17:48		10.000			50.00		1.271	
62	17:52		10.000			50.00		1.240	
63	17:53		10.000			50.00		1.088	
64	21:32	0.98	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:13	1.00	10.000	0.09	0.04	50.00	0.002	2.422	0.00
66	20:22		10.000			50.00		1.528	
67	20:26		10.000			50.00		0.840	
68	21:21		10.000			50.00		1.087	
69	26:00		10.000			50.00		1.266	
70	26:07		10.000			50.00		0.990	
71	27:20		10.000			50.00		0.975	
72	5:44	0.99	0.742	1.05	65.33	50.00	2.433	1.862	1.31
73	6:53	1.00	0.948	0.99	67.04	50.00	3.446	2.570	1.34
74	8:06	0.99	0.875	1.02	32.05	50.00	0.346	0.539	0.64
75	10:40	0.99	0.906	1.01	37.64	50.00	1.010	1.342	0.75
76	12:49	0.99	1.118	0.98	52.92	50.00	0.107	0.101	1.06
77	16:08	0.99	0.907	1.00	38.37	50.00	0.752	0.981	0.77
78	15:54	0.99	10.000	0.09	38.39	50.00	1.010	1.316	0.77
79	10:50		1.000			50.00		0.246	

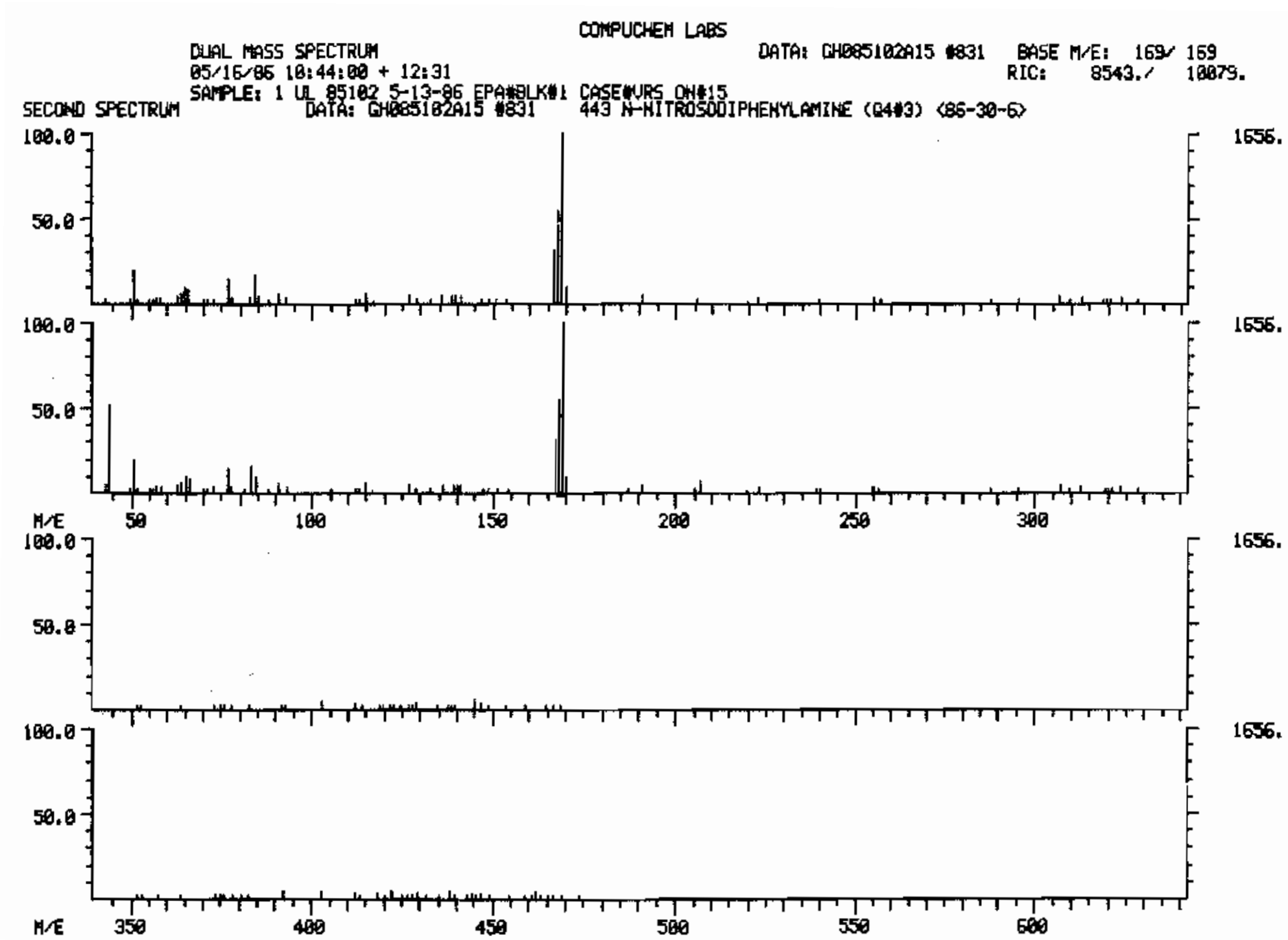
COMPUCHEM LABS

LIBRARY SEARCH
05/16/86 10:44:00 + 12:31
SAMPLE: 1 UL 85102 5-13-86 EPA#BLK#1 CASE#VRS ON#15

DATA: GH085102A15 # 031
ENHANCED (10B 2N 0T)

BASE M/E: 169
RIC: 8383.




COMPUCHEM LABS
DUAL MASS SPECTRUM
05/16/86 10:44:00 + 12:31
SAMPLE: 1 UL 85102 5-13-86 EPA#BLK#1 CASE#VRS ON#15
DATA: GH085102A15 #831 BASE M/E: 169/ 169
RIC: 8543./ 10079.
SECOND SPECTRUM
DATA: GH085102A15 #831
443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
100.0
50.0
1656.
M/E
50
100
150
200
250
300
350
400
450
500
550
600

QUANTITATION REPORT FILE: STND

DATA: QH085102A15.TI
^5/16/86 10:44:00
.MPLE: 1 UL 85102 5-13-86 EPA#BLK#1 CASE#VR6 DN#15
CONDS. :
SUBMITTED BY: 15 ANALYST: 740

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

ND	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	485	7:18	2	0.807	A BB	518396.	77.646	17.38
2	RIC	601	9:03	2	1.000	A BB	667642.	100.000	22.65
3	RIC	769	11:35	2	1.280	A BV	566101.	84.791	19.20
4	RIC	911	13:43	2	1.516	A BV	515584.	77.225	17.49
5	RIC	1174	17:41	2	1.953	A BB	381104.	57.082	12.93
6	RIC	1405	21:10	2	2.338	A BB	299320.	44.832	10.15

QUANTITATION REPORT FILE: UNKNOWN

DATA: QH085102A15.TI
`5/16/86 10:44:00
 AMPLE: 1 UL B5102 5-13-86 EPA*BLK*1 CASE*VRS ON*15
CONDS. :
SUBMITTED BY: 15 ANALYST: 740

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

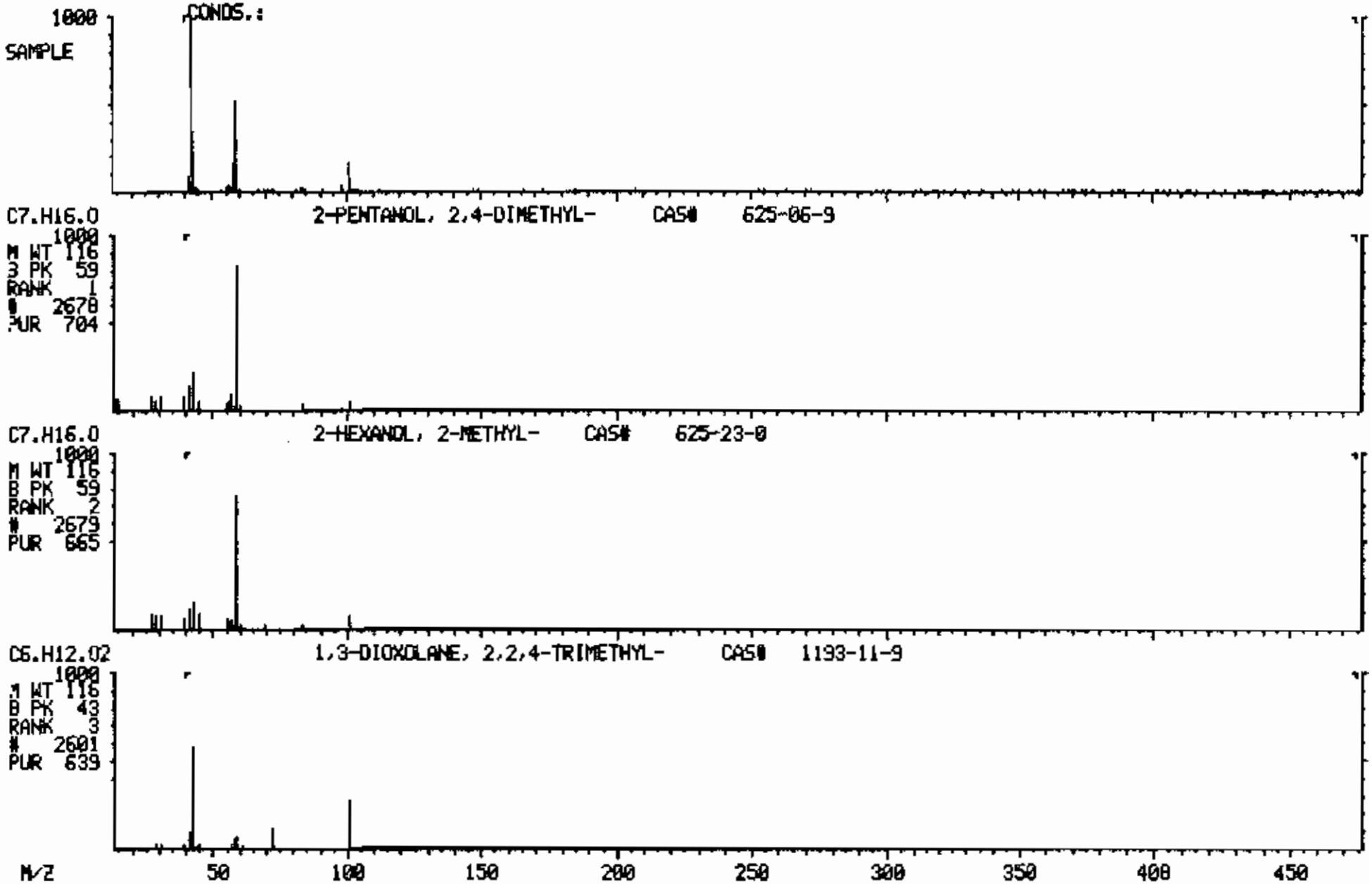
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	351	5:17	1	1.000	A BB	867028.	100.000	67.77
2	RIC	773	11:38	1	2.202	A VB	412386.	47.563	32.23

① BNA

COMPUCHEM LABS

MID LIBRARY SEARCH
05/16/86 10:44:00 + 5:17
SAMPLE: 1 UL 85102 5-13-86 EPA#BLK#1 CASE#VRS ON#15
CONDS.:

DATA: GH085102A15 # 351 BASE M/Z: 43
ENHANCED (10B 2N 0T) RIC: 482815.



CASE#: VKS DUE DATE: 6-10

SEMI-VOLATILE
GC/MS WORKSHEET COMPUCHEM#: 85102

J[ ] R[ ] D[ ] (:1)
J2[ ] R2[ ] D2[ ] (:1)

LOW LEVEL SOLID
Deliverable Code 069

Sample Prep Code--- -717
Instrument Code---255
Compound List---[redacted]/72
Surrogate Std---393
Internal Std---035 (added by GC/MS)

Blank

SAS: EPA#: Dry Weight Factor

GC/MS ANALYSIS
Volumes mixed: BN 200 ul Acid ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 1 ul
Date of Sample Bottle Analyzed 5/13/86
DFTPP Filename DT5605161615 Disk (3117)
Standard Filename HS8605161615 Disk ( )
Sample Filename GH0851022215 Disk ( )

ANALYST(S): Injection 740 Work-up 740

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes DK,EA,JA, ES,AL,AH,PL,PH,FL,J
FH,NL,NH,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,OT,D
ED,IF,LA,DI,CO,RN,DW,NS

Disposition:
[X] Complete
[ ] Reinjection required
[ ] Reextraction required
[ ] Dilute (:1)
[ ] Reinject Neat
[ ] Send to QA

Extraneous Peak Search Results:
# of Peaks Found: 2

Quality Assurance Notice(s):
Notices Required 0

COMMENTS: OK 20 5-16-86

GC/MS Review [signature] Date 5/19/86 Auditor [signature] Date 5/19/86

REPORT INTEGRATION Total # of Injections:
Final Reportable Package(s):

QA COMMENTS:

Initials Date

FINAL REVIEW: Initials Date

EPASOP_ID (1)

IP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
494	152	I	D4-1,4-DICHLOROBENZENE (IS#	485	73300.	40.0		
610	94		PHENOL (Q1#3) <108-95-2>				BDL	340.
411	93		BIS(2-CHLOROETHYL)ETHER (Q1				BDL	340.
601	128		2-CHLOROPHENOL (Q1#6) <95-5				BDL	340.
421	146		1,3-DICHLOROBENZENE (Q1#7)				BDL	340.
422	146		1,4-DICHLOROBENZENE (Q1#8)				BDL	340.
474	108		BENZYL ALCOHOL (Q1#9) <100-				BDL	340.
420	146		1,2-DICHLOROBENZENE (Q1#10)				BDL	340.
620	108		2-METHYLPHENOL (Q1#11) <95-				BDL	340.
412	45		BIS(2-CHLOROISOPROPYL)ETHER				BDL	340.
622	108		4-METHYLPHENOL (Q1#13) <106				BDL	340.
442	70		N-NITROSO-DI-N-PROPYLAMINE				BDL	340.
436	117		HEXACHLOROETHANE (Q1#15) <6				BDL	340.
440	77		NITROBENZENE (Q1#16) <98-95				BDL	340.
460	136	I	D8-NAPHTHALENE (IS#2)	601	282000.	40.0		
438	82		ISOPHORONE (Q2#2) <78-59-1>				BDL	340.
606	139		2-NITROPHENOL (Q2#3) <88-75				BDL	340.
603	122		2,4-DIMETHYLPHENOL (Q2#4) <				BDL	340.
625	122		BENZOIC ACID (Q2#5) <65-85-				BDL	1700.
410	93		BIS(2-CHLOROETHOXY)METHANE				BDL	340.
602	162		2,4-DICHLOROPHENOL (Q2#7) <				BDL	340.
446	180		1,2,4-TRICHLOROBENZENE (Q2#				BDL	340.
19	128		NAPHTHALENE (Q2#9) <91-20-3				BDL	340.
75	127		4-CHLOROANILINE (Q2#10) <10				BDL	340.
434	225		HEXACHLOROBUTADIENE (Q2#11)				BDL	340.
608	107		P-CHLORO-M-CRESOL (Q2#12) <				BDL	340.
477	142		2-METHYLNAPHTHALENE (Q2#13)				BDL	340.
495	164	I	D10-ACENAPHTHENE (IS#3)	769	116000.	40.0		
435	237		HEXACHLOROCYCLOPENTADIENE (				BDL	340.
611	196		2,4,6-TRICHLOROPHENOL (Q3#3				BDL	340.
626	196		2,4,5-TRICHLOROPHENOL (Q3#4				BDL	1700.
416	162		2-CHLORONAPHTHALENE (Q3#5)				BDL	340.
478	65		2-NITROANILINE (Q3#6) <88-7				BDL	1700.
425	163		DIMETHYL PHTHALATE (Q3#7) <				BDL	340.
402	152		ACENAPHTHYLENE (Q3#8) <208-				BDL	340.
479	138		3-NITROANILINE (Q3#9) <99-0				BDL	1700.
401	153		ACENAPHTHENE (Q3#10) <83-32				BDL	340.
605	184		2,4-DINITROPHENOL (Q3#11) <				BDL	1700.
607	139		4-NITROPHENOL (Q3#12) <100-				BDL	1700.
476	168		DIBENZOFURAN (Q3#13) <132-6				BDL	340.
427	89		2,4-DINITROTOLUENE (Q3#14)				BDL	340.
428	165		2,6-DINITROTOLUENE (Q3#15)				BDL	340.
424	149		DIETHYL PHTHALATE (Q3#16) <				BDL	340.
417	204		4-CHLOROPHENYL PHENYL ETHER				BDL	340.
432	166		FLUORENE (Q3#18) <86-73-7>				BDL	340.
480	138		4-NITROANILINE (Q3#19) <100				BDL	1700.
467	188	I	D10-PHENANTHRENE (IS#4)	911	164000.	40.0		
04	198		4,6-DINITRO-2-METHYLPHENOL				BDL	1700.
3	169		N-NITROSODIPHENYLAMINE (Q4#			1.2	J	340.
414	248		4-BROMOPHENYL PHENYL ETHER				BDL	340.
433	284		HEXACHLOROBENZENE (Q4#5) <1				BDL	340.
609	266		PENTACHLOROPHENOL (Q4#6) <8				BDL	1700.
444	178		PHENANTHRENE (Q4#7) <85-01-				BDL	340.
403	178		ANTHRACENE (Q4#8) <120-12-7				BDL	340.

SEMI-VOLATILE - LOW LEVEL SOLID

MP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
426	149		DI-N-BUTYL PHTHALATE (Q4#9)				BDL	340.
431	202		FLUORANTHENE (Q4#10) <206-4				BDL	340.
459	240	I	D12-CHRYSENE (IS#5)	1173	112000.	40.0		
445	202		PYRENE (Q5#3) <129-00-0>				BDL	340.
415	149		BUTYLBENZYL PHTHALATE (Q5#4				BDL	340.
423	252		3,3'-DICHLOROBENZIDINE (Q5#				BDL	680.
405	228		BENZO(A)ANTHRACENE (Q5#6) <				BDL	340.
413	149		BIS(2-ETHYLHEXYL) PHTHALATE				BDL	340.
418	228		CHRYSENE (Q5#8) <218-01-9>				BDL	340.
497	264	I	D12-PERYLENE (IS#6)	1424	576.	40.0		
429	149		DI-N-OCTYL PHTHALATE (Q6#2)			~~7.7~~	~~BDL~~	340.
407	252		BENZO(B)FLUORANTHENE (Q6#3)				BDL	340.
409	252		BENZO(K)FLUORANTHENE (Q6#4)				BDL	340.
406	252		BENZO(A)PYRENE (Q6#5) <50-3				BDL	340.
437	276		INDENO(1,2,3-C,D)PYRENE (Q6				BDL	340.
419	278		DIBENZO(A,H)ANTHRACENE (Q6#				BDL	340.
408	276		BENZO(G,H,I)PERYLENE (Q6#8)				BDL	340.
619	112	S	2-FLUOROPHENOL (SS#1)			65.3	66. %	
612	99	S	D5-PHENOL (SS#2)			67.0	68. %	
447	82	S	D5-NITROBENZENE (SS#3)			32.0	65. %	
448	172	S	2-FLUOROBIPHENYL (SS#4)			37.6	76. %	
628	141	S	2,4,6-TRIBROMOPHENOL (SS#5)			52.9	54. %	
76	244	S	D14-TERPHENYL (SS#6)			38.4	78. %	
71	212	S	D10-PYRENE			38.4	78. %	
456	216		1,2,3,4-TETRACHLOROBENZENE				BDL	34.
CHECKSUMS:								
7465.	2524			5363	747876.	580.5	485.	

SEMI-VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
72	619	2-FLUOROPHENOL (SS#1)	65.3	98.3	66.	26-121	X	
73	612	D5-PHENOL (SS#2)	67.0	98.3	68.	24-113	X	
74	447	D5-NITROBENZENE (SS#3)	32.0	49.2	65.	23-120	X	
75	448	2-FLUOROBIPHENYL (SS#4)	37.6	49.2	76.	30-115	X	
76	628	2,4,6-TRIBROMOPHENOL (SS#5)	52.9	98.3	54.	18-123	X	
77	496	D14-TERPHENYL (SS#6)	38.4	49.2	78.	18-137	X	
78	471	D10-PYRENE	38.4	49.2	78.	33-128*	X	

5-19-88

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#52) D10-PHENANTHRENE > 40000 CNTS ___ ___

CORRECTION FACTOR CALCULATION:

$$\frac{\text{FINAL EXTRACT VOLUME (ML)}}{\text{SPLIT FACTOR (*)}} \times \frac{30.00}{\text{AMOUNT EXTRACTED(G)}} \times \text{DRY WEIGHT FACTOR} \times \text{GC/MS DILUTION FACTOR} \times 33.3 =$$

$$\frac{0.9\text{ML}}{0.885} \times \frac{30.0\text{G}}{30.0\text{G}} \times \frac{1.0}{1.0} \times 33.3 = 33.900$$

* SPLIT FACTOR = (295/300)(9/10) IF PEST/TCDD VOLUMES ARE INDICATED ON LOG
= 1 IF PEST/TCDD VOLUMES ARE NOT INDICATED ON EXTRACTION LOG

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000\text{ UL}}{\text{AMOUNT SURROGATE ADDED (UL)}} \times \frac{\text{FINAL EXTRACT VOL (ML)}}{\text{SPLIT FACTOR}} \times \text{GCMS DILUTION FACTOR} =$$

$$\frac{1000\text{ UL}}{500\text{ UL}} \times \frac{0.9\text{ML}}{0.885\text{ML}} \times \frac{1.0}{1.0} = 2.030$$

EXTRACTION WORKSHEET

Semi-Volatiles / Miscellaneous

ASSIGNED TO: Linda L.A.P.

DATE ASSIGNED 5-13-86

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) SV SCREEN	SV B/N	ACID	PEST	ADJUSTED PH B/N	ADJUSTED PH A	DATE COMPT	COMMENTS
84992	-153	WSwat	N4	BS		30.00	1ml	—					5/13	
84993	-717	WSwat		BS		30.00	—	0.9		1ml			5/13	
84994		WSwat		SS	84991	30.55	—	0.9		1ml			5/13	270/499
84995		WSwat		SS	84991	30.32	—	0.9		1ml			5/13	
84986		WSwat				30.89	1ml	0.9		1ml			5/13	
84990						30.34	1ml	0.9		1ml			5/13	
85000						30.41	1ml	0.9		1ml			5/13	
85001						30.82	1ml	0.9		1ml			5/13	
85002						30.45	1ml	0.9		1ml			5/13	
85003						30.85	1ml	0.9		1ml			5/13	

		B-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393			395		
	AMT.	0.5ml			2.0ml		
	LOT	17794			17636		
SPIKE	NO.		3012	2021			
	AMT.		1.0ml	1.0ml			
	LOT		17654	17711			

Blanks 85102, 85103 on BS 9782 along w/other samples

MANUAL COUNTER 270/6/3

FINAL VOLUME VERIFIED L.A.P.

SUPERVISOR REVIEWED CK

EXTRACTS RECEIVED BY TD 5/13/86

Printed Lot # 209

Revised 5/13/86

№ 9781

EXTRACTION WORKSHEET

Semi-Volatiles / Miscellaneous

ASSIGNED TO: [illegible]

DATE ASSIGNED 5-13-82

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) SV SCREEN	SV B/N	ACID	PEST	ADJUSTED PH B/N	ADJUSTED PH A	DATE COMPT	COMMENTS
85004	-717	MUSWGT	NA			30.44	1ml	0.9		[illegible]			5/13	
85005	↓	↓	↓			30.30	1ml	0.9		[illegible]			5/13	
85102				B1		30.10	1ml	0.9		[illegible]			5/13	
85103	↓			B2		30.20	1ml	0.9		[illegible]			5/13	

Add samples [illegible] 9781

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393			395		
	AMT.	25ul			20ul		
	LOT	17794			12646		
SPIKE	NO.						
	AMT.						
	LOT						

MANUAL COUNTER 270/613

FINAL VOLUME VERIFIED [illegible]

SUPERVISOR REVIEWED [illegible]

EXTRACTS RECEIVED BY [illegible] 5/13/86

Acetone Lot # 309

[illegible] 5/13/86

№ [illegible]82

Sample Number
BLANK 95102

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 05/13/86
Date Analyzed: 05/21/86
Conc/Dil Factor: 1.00

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	8.0	U
319-85-7	Beta - BHC	8.0	U
319-86-8	Delta - BHC	8.0	U
58-89-9	Gamma - BHC(Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor Epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4-4' - DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4-4' - DDD	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4-4' - DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
57-74-9	Chlordane	80.	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor - 1016	80.	U
11104-28-2	Aroclor - 1221	80.	U
11141-16-5	Aroclor - 1232	80.	U
53469-21-9	Aroclor - 1242	80.	U
12672-29-6	Aroclor - 1248	80.	U
11097-69-1	Aroclor - 1254	160	U
11096-82-5	Aroclor - 1260	160	U

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) 30.00 V(t) 2000.00 V(i) 1.0

Sample Number
BLANK 85/02

Organics Analysis Data Sheet
(Page 3)

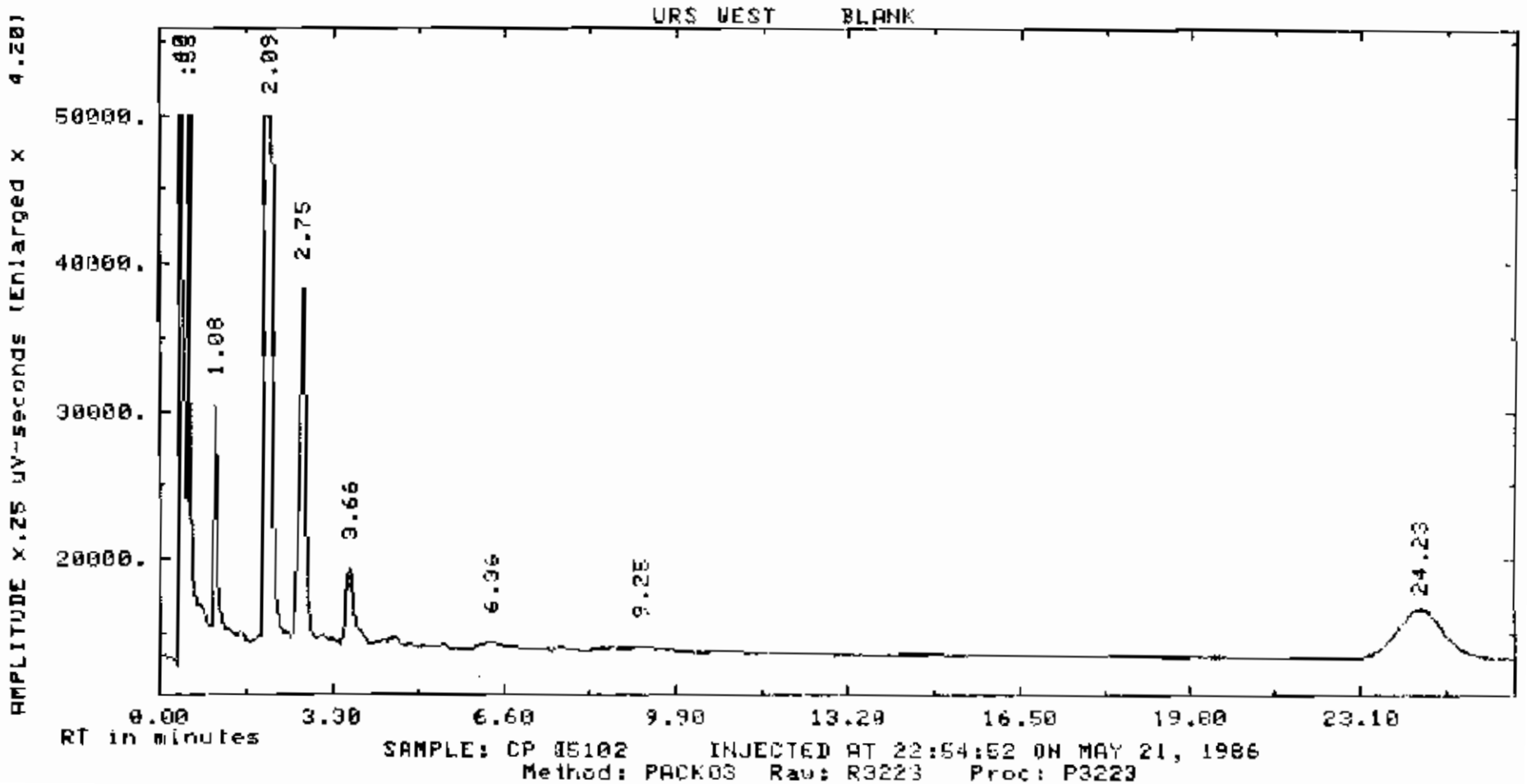
Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 05/13/86
Data Analyzed: 05/16/86
Conc/Dil Factor: 1.00

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	8.0	U
319-85-7	Beta - BHC	8.0	U
319-86-8	Delta - BHC	8.0	U
58-89-9	Gamma - BHC(Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor Epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4-4' - DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4-4' - DDD	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4-4' - DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
57-74-9	Chlordane	80.	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor - 1016	80.	U
11104-28-2	Aroclor - 1221	80.	U
11141-16-5	Aroclor - 1232	80.	U
53469-21-9	Aroclor - 1242	80.	U
12672-29-6	Aroclor - 1248	80.	U
11097-69-1	Aroclor - 1254	160	U
11096-82-5	Aroclor - 1260	160	U

V(i) = Volume of extract injected (ul)
V(a) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.00 V(t) 2000.00 V(i) 5.0


URS WEST BLANK
AMPLITUDE x.25 UV-seconds (Enlarged x 4.20)
50000.
40000.
30000.
20000.
1.08
2.09
2.75
3.66
6.36
9.25
24.23
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: CP 85102 INJECTED AT 22:54:52 ON MAY 21, 1986
Method: PACK03 Raw: R3223 Proc: P3223

Report: 379.00 Channel: 3 URS WEST BLANK

Sample: CP 85102 Injected at 22:54:52 ON MAY 21, 1986

ZERO Method: PACK03 Seq. SEQ32 Subsq/Samp: 1/23 Btl: 23

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

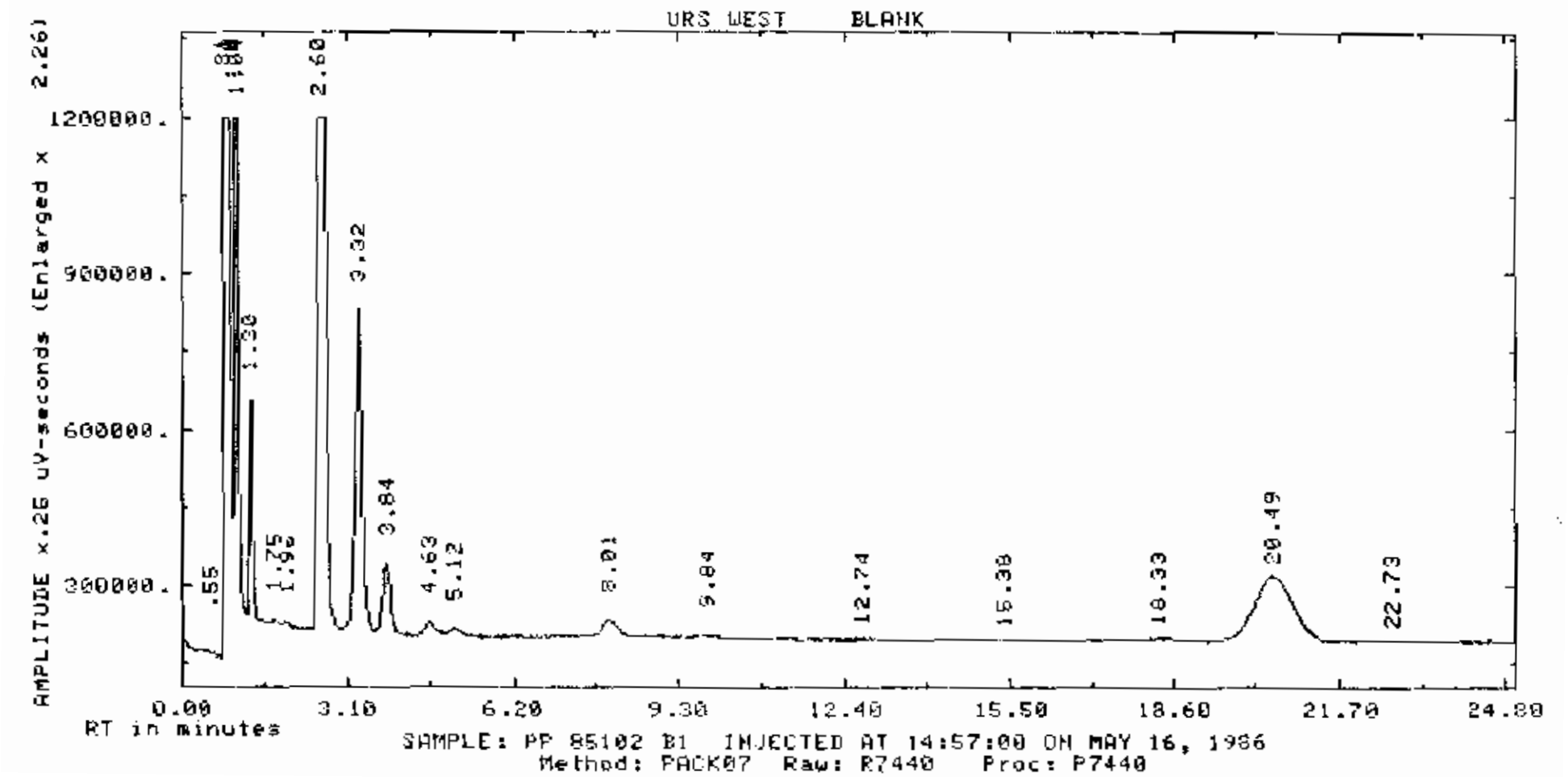
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	119891.	BB	66.789	
.58	0.00	.10000E+01	43682.	BB	24.334	
1.08	0.00	.10000E+01	29105.	BB	16.214	
2.09	0.00	.10000E+01	453167.	BB	252.450	
2.75	0.00	.10000E+01	100744.	BB	56.122	
3.66	0.00	.10000E+01	29571.	BB	16.474	
6.36	0.00	.10000E+01	7494.	BB	4.175	
9.25	0.00	.10000E+01	10667.	BB	5.942	
24.23	0.00	.10000E+01	103218.	BF	57.501	

Total Area = 897540. Total AREA % = 103218.250

Processed data file: P3223 Raw data file: R3223


URS WEST BLANK
AMPLITUDE x.25 uV-seconds (Enlarged x 2.26)
1200000.
900000.
600000.
300000.
.55
1.75
1.96
2.60
3.32
3.84
4.63
5.12
8.01
9.84
12.74
15.38
18.33
20.49
22.73
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: PP 85102 B1 INJECTED AT 14:57:00 ON MAY 16, 1986
Method: PACK07 Raw: R7440 Proc: P7440

Report: 213.00 Channel: 7 URS WEST BLANK

Sample: PP 85102 B1 Injected at 14:57:00 ON MAY 16, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/40 Btl: 40

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

Actual run time: 25.017 minutes

No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.55	0.00	.10000E+01	11015.	BB	.212	
.81	0.00	.10000E+01	168930.	BS	3.252	
.90	0.00	.10000E+01	1184155.	BB	22.799	
1.04	0.00	.10000E+01	3699109.	BS	71.220	
1.30	0.00	.10000E+01	870840.	BS	16.766	
1.75	0.00	.10000E+01	12790.	BB	.246	
1.96	0.00	.10000E+01	24987.	BB	.481	
2.60	0.00	.10000E+01	12211544.	BS	235.111	
3.32	0.00	.10000E+01	3128888.	BB	60.241	
3.84	0.00	.10000E+01	663159.	BB	12.768	
4.63	0.00	.10000E+01	137778.	BB	2.653	
5.12	0.00	.10000E+01	65839.	BB	1.268	
8.01	0.00	.10000E+01	311810.	BB	6.003	
9.84	0.00	.10000E+01	61560.	BB	1.185	
12.74	0.00	.10000E+01	16416.	BB	.316	
15.38	0.00	.10000E+01	39024.	BB	.751	
18.33	0.00	.10000E+01	123830.	BB	2.384	
20.49	0.00	.10000E+01	3192626.	BB	61.468	
22.73	0.00	.10000E+01	45414.	BB	.874	

Total Area = 25969728. Total AREA % = 45414.000

Processed data file: P7440 Raw data file: R7440

LAB INSTRUCTIONS:

PESTICIDES
WORKSHEET

CASE # DAS WEST DATE DUE 06/11/86
COMPUCHEM # 85102
Sample Prep Code---T16
Instrument Code---124
Compound List--141
Surrogate Std---396

LOW LEVEL SOLID
Deliverable Code---069 BLANK

SAS: EPA#: Dry Weight Factor
Blank Associated with Case _____ _____ _____ 1.0
Associated Blank _____

EXTRACTION INFORMATION: CALC Used? yes |___|

Wt. of sample 30 g final volume of extract 2.0 mls

portion of wt. in pesticide 1/10.

ANALYSIS INFORMATION: COMMENTS |___| Send to QA

Inst. # / |___| QA Approved
Date Sequence Dil. Fact.

5-16 7 74 5 BDL |___| Need GC/MS Confirmation

5-21 3 32 5

___ ___ ___ ___ Analyst 924/899 Date 5-22-86

SURROGATE INFORMATION DIBUTYL CHLORENDATE

AREA IN SAMPLE 3193 X Dilution Factor 5 X 100 = 101 X Recovery
AREA IN STD 15762

X Recovery X 0.1 ug/ml = .101 ug/ml

+EA = re-extract acceptable
JA = reinject acceptable
QA = repeat confirmed original results
OK = original data acceptable (not for REPEATS)
NS = insufficient sample for repeat
DL = DBC low (<20% Recovery)
DA = Dilution Acceptable
BF = Blank Requires Florisil
CT = Contamination Suspected

IF DATA FAILS, INSERT CONDITION CODE FROM REPEAT REQUEST FORM IN BOX.

FINAL STATUS CODE+= | OK |

IF MULTIPLE PACKAGES EXIST, REPORT THIS DATA:_____

|___| QAHA |___| QAN3 QA notice included.

SAMPLE DISPOSITION	Code		Code
|___| Complete.....		|___| Requires Re-extraction..	T16
|___| Requires reprep.....	930	|___| Requires cleanup.....	901

Audited By_____ Date_____

ENTERED 5/27/86

COMPOUND LIST NO. - 141

COMPUCHEM # 85102 DATE

IDENTIFIER PESTICIDES (LOW LEVEL SOLID)

DIL FACT_____DRY WT_____ _30__SPLIT_____FINAL VOL_____/5 . = | 1.0 |

AMT SAMPLE_____ CORRECTION FACTOR

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULTS	DETECTION LIMIT (ug/kg
1.	0701	ALDRIN----------	BDL	2.0
2.	0702	ALPHA-BHC----------		2.0
3.	0703	BETA-BHC----------		2.0
4.	0704	GAMMA-BHC----------		2.0
5.	0705	DELTA-BHC----------		2.0
6.	0706	TECHNICAL CHLORDANE------		20.0
7.	0707	4,4'-ODT----------		4.0
8.	0708	4,4'-DDE----------		4.0
9.	0709	4,4'-DDD----------		4.0
10.	0710	DIELDRIN----------		4.0
11.	0711	ENDOSULFAN I ----------		2.0
12.	0712	ENDOSULFAN II ----------		4.0
13.	0713	ENDOSULFAN SULFATE-------		4.0
14.	0714	ENDRIN----------		4.0
15.	0715	ENDRIN ALDEHYDE----------		4.0
16.	0739	ENDRIN KETONE----------		4.0
17.	0716	HEPTACHLOR----------		2.0
18.	0717	HEPTACHLOR EPOXIDE-------		2.0
19.	0726	METHOXYCHLOR----------		20.0
20.	0724	AROCHLOR 1016----------		20.0
21.	0720	AROCHLOR 1221----------		20.0
22.	0721	AROCHLOR 1232----------		20.0
23.	0718	AROCHLOR 1242----------		20.0
24.	0722	AROCHLOR 1248----------		20.0
25.	0719	AROCHLOR 1254----------		40.0
26.	0723	AROCHLOR 1260----------		40.0
27.	0725	TOXAPHENE----------		40.0

ANALYST'S COMMENTS:

EXTRACTION WORKSHEET
Pesticide/Herbicide

ASSIGNED TO: Linda LLP.

DATE ASSIGNED 5-13-86

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL (MLS) SV SCREEN	SV B/N	ACID	PEST	ALUMINA COLUMN START VOL	ALUMINA COLUMN FINAL VOL	DATE COMPT	COMMENTS
84992	153	UKSwat	NA	BS		30.[illegible]	1ml	—		—		2ml		
84993	710	UKwet		BS		30.00	—	[illegible]		1ml				
84994		UKwat		SS	[illegible]	30.58	—	0.9		1ml				[illegible]
84995		UKSwat		SS	85001	30.33	—	0.9		1ml				
84986		UKSwat	A SEDIMENT			30.89	1ml	0.9		1ml	1.0ml	2.0ml	5-14-86	
84990			B SEDIMENT			30.24	1ml	0.9		1ml	1.0	2.0	5-14	
85000			D SEDIMENT			30.41	1ml	0.9		1ml	1.0	2.0	5-14	
85001			E SEDIMENT			30.3[illegible]	1ml	0.9		1ml	1.0	2.0	5-14	
85002			F SEDIMENT			30.45	1ml	0.9		1ml	1.0	2.0	5-14	
85003			G SEDIMENT			30.85	1ml	0.9		1ml	1.0	2.0	5-14	

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393			395		
	AMT.	0.5ml			2.0ml		
	LOT	17794			17686		
SPIKE	NO.		3012	2021			
	AMT.		1ml	1.0ml			
	LOT		17657	17777			

Blank 85102 ? on Rx 9782 along w/other samples
CASE 85103 BW 05/14/86

MANUAL COUNTER 370 / 613

FINAL VOLUME VERIFIED L.A.P.

SUPERVISOR REVIEWED [illegible]

EXTRACTS RECEIVED BY [illegible] 5/13/86

Acetone Lot # 309

Alumina Batch 5-13-86-AL

POSTED 5-14-86 OKS

№ 778

EXTRACTION WORKSHEET
Pesticide/Herbicide

ASSIGNED TO: [illegible signature]

DATE ASSIGNED 5-13-86

PAGE ____ OF ____

OKS

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) SV SCREEN	SV B/N	ACID	PEST	ALUMINA COLUMN START VOL	ALUMINA COLUMN FINAL VOL	DATE COMPT	COMMENTS
85004	-7110	U.S.WGT	H-SEDIMENT NY			30.00	1.1			10.0	10mL	2.0mL	5/14/86	
85005	↓	UAS WEST ↓	C-SEDIMENT ↓			30.00	1.1			10.0	10	2.0	5/14	
85102				B		30.00	1.1			10.0	10mL	2.0mL	5-14-86	
85103	↓			B		30.00	1.1			10.0	10	2.0	5/14	

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393			35		
	AMT.	0.5 ml		17794	2 ml		
	LOT	17794			176.86		
SPIKE	NO.						
	AMT.						
	LOT						

Add'l samples on QF 9781
CASE ✓ BW 05/14/86

POSTED 5-14-86 OES

MANUAL COUNTER 370/613

FINAL VOLUME VERIFIED LEP

SUPERVISOR REVIEWED [initials]

EXTRACTS RECEIVED BY BT 5/13/86

Acetone Lot # 309
Alumina Batch 5-13-86-AL

No 78

Sample Number
BLANK 52458

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 05/15/86
Date Analyzed: 05/21/86
Conc/Dil Factor: 1.00

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	8.0	U
319-85-7	Beta - BHC	8.0	U
319-86-8	Delta - BHC	8.0	U
58-89-9	Gamma - BHC(Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor Epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4-4' - DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4-4' - DDD	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4-4' - DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
57-74-9	Chlordane	80.	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor - 1016	80.	U
11104-28-2	Aroclor - 1221	80.	U
11141-16-5	Aroclor - 1232	80.	U
53469-21-9	Aroclor - 1242	80.	U
12672-29-6	Aroclor - 1248	80.	U
11097-69-1	Aroclor - 1254	160	U
11096-82-5	Aroclor - 1260	160	U

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) 30.00 V(t) 2000.00 V(i) 1.0

Sample Number
BLANK 85258

Organics Analysis Data Sheet
(Page 3)

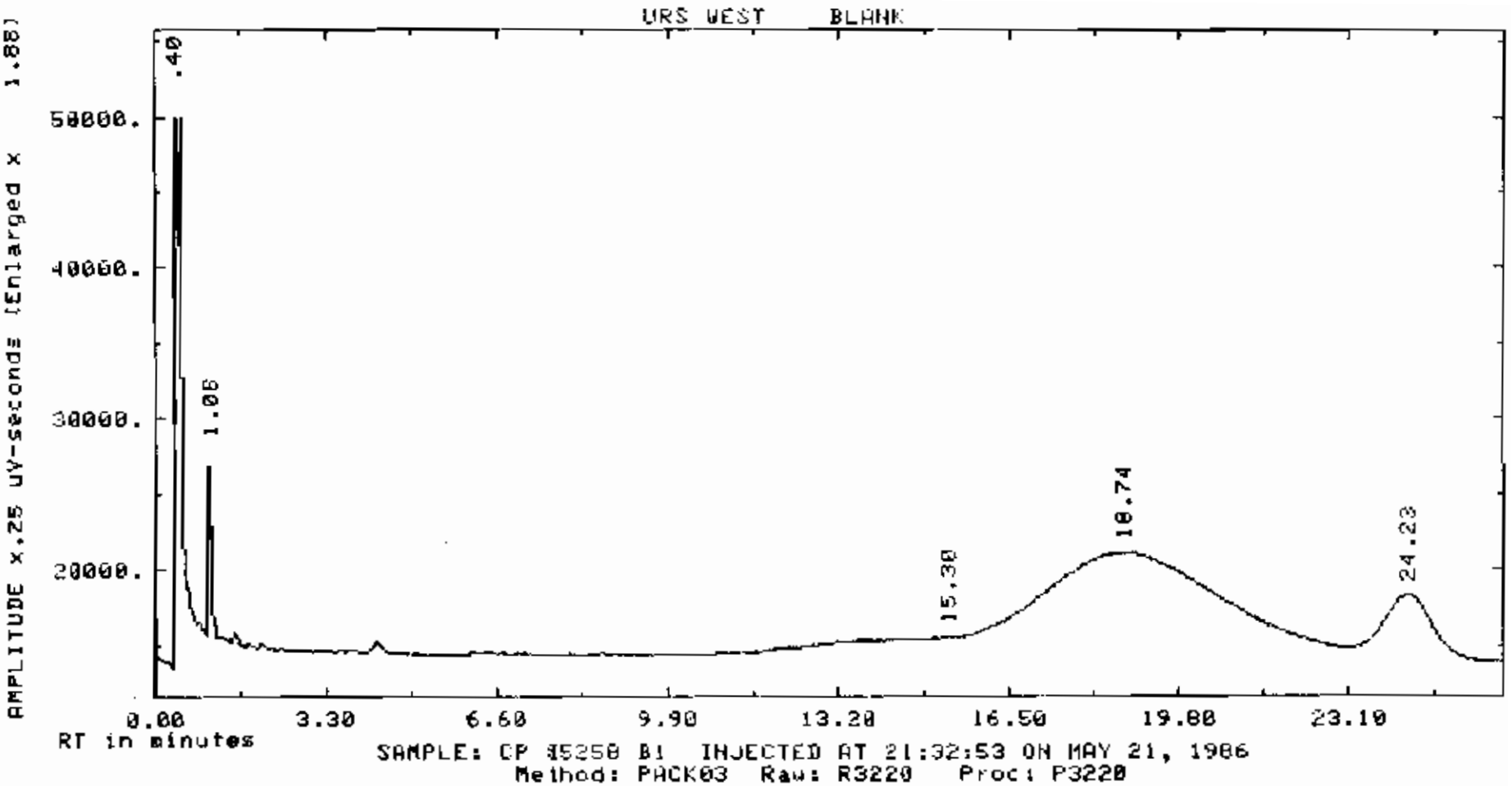
Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 05/15/86
Date Analyzed: 05/16/86
Conc/Dil Factor: 1.00

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	8.0	U
319-85-7	Beta - BHC	8.0	U
319-86-8	Delta - BHC	8.0	U
58-89-9	Gamma - BHC(Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor Epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4-4' - DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4-4' - DDD	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4-4' - DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
57-74-9	Chlordane	80.	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor - 1016	80.	U
11104-28-2	Aroclor - 1221	80.	U
11141-16-5	Aroclor - 1232	80.	U
53469-21-9	Aroclor - 1242	80.	U
12672-29-6	Aroclor - 1248	80.	U
11097-69-1	Aroclor - 1254	160	U
11096-82-5	Aroclor - 1260	160	U

V(i) = Volume of extract injected (ul)
V(a) = Volume of water extracted (ml)
W(e) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(a) _____ or W(s) 30.00 V(t) 2000.00 V(i) 5.0


URS WEST BLANK
AMPLITUDE x.25 uV-seconds (Enlarged x 1.88)
50000.
40000.
30000.
20000.
.40
1.06
15.30
18.74
24.23
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: CP #5258 B1 INJECTED AT 21:32:53 ON MAY 21, 1986
Method: PACK03 Raw: R3220 Proc: P3220

Report: 376.00 Channel: 3 URS WEST BLANK

Sample: CP 85258 B1 Injected at 21:32:53 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/20 Btl: 20

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

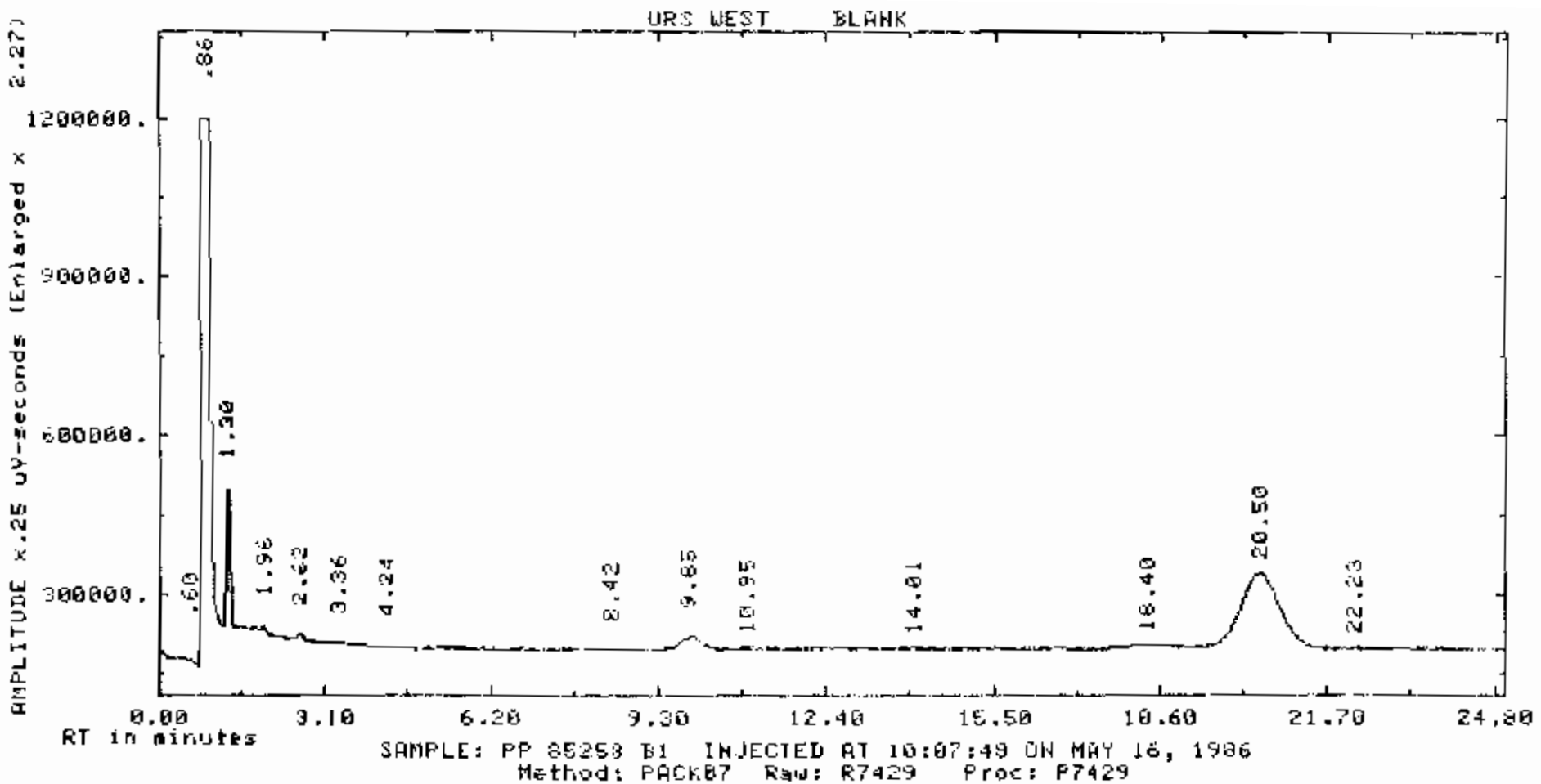
Actual run time: 26.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	66950.	BB	38.720	
1.08	0.00	.10000E+01	20895.	BB	12.084	
15.30	0.00	.10000E+01	14648.	BB	8.472	
18.74	0.00	.10000E+01	648227.	BB	374.897	
24.23	0.00	.10000E+01	113820.	BF	65.827	

Total Area = 864541. Total AREA % = 113820.250

Processed data file: P3220 Raw data file: R322D


URS WEST BLANK
AMPLITUDE x.25 uV-seconds (Enlarged x 2.27)
1200000.
900000.
600000.
300000.
.86
1.30
.60
1.96
2.62
3.36
4.24
8.42
9.85
10.95
14.01
18.40
20.50
22.23
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: PP 85253 B1 INJECTED AT 10:07:49 ON MAY 16, 1986
Method: PACK07 Raw: R7429 Proc: P7429

Report: 202.00 Channel: 7 URS WEST BLANK

Sample: PP 85258 B1 Injected at 10:07:48 ON MAY 16, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/29 Btl: 29

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

Actual run time: 25.008 minutes

Endeo not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.60	0.00	.10000E+01	11008.	BB	.307	
.86	0.00	.10000E+01	13171816.	BS	367.900	
1.30	0.00	.10000E+01	556165.	BB	15.534	
1.96	0.00	.10000E+01	31241.	BB	.873	
2.62	0.00	.10000E+01	41559.	BB	1.161	
3.36	0.00	.10000E+01	14638.	BB	.409	
4.24	0.00	.10000E+01	11453.	BB	.320	
8.42	0.00	.10000E+01	10984.	BB	.307	
9.85	0.00	.10000E+01	333180.	BB	9.306	
10.95	0.00	.10000E+01	11985.	BB	.335	
14.01	0.00	.10000E+01	10304.	BB	.288	
18.40	0.00	.10000E+01	142168.	BB	3.971	
20.50	0.00	.10000E+01	3542328.	BB	98.940	
22.23	0.00	.10000E+01	12515.	BB	.350	

Total Area = 17901348. Total AREA % = 12515.000

Processed data file: P7429 Raw data file: R7429

LAB INSTRUCTIONS:

PESTICIDES
WORKSHEET

CASE # URS west DATE DUE 06/10/86
COMPUCHEM # 85258
Sample Prep Code---T16
Instrument Code---124
Compound List--141
Surrogate Std---396

LOW LEVEL SOLID
Deliverable Code---069 BLANK

SAS: EPA#: Dry Weight Factor
Blank Associated with Case _____ _____ _____ _____
Associated Blank _____

EXTRACTION INFORMATION: CALC Used? yes |___|

Wt. of asmple 30.0 g final volume of extract 2.0 mls

portion of wt. in pesticide 1/10.

ANALTSIS INFORMATION:

COMMENTS

|___| Send to QA

|___| QA Approved

|___| Need QC/MS Confirmation

Date	Inst. # / Sequence	Dil. Fact.
5-16	7 724	5
5-21	3 32	5
___	___ ___	___

BDL

Analyst 924 1899 Date 5-22-86

SURROGATE INFORMATION DIBUTYL CHLORENDATE

AREA IN SAMPLE 3542 X Dilution Factor 5 X 100 = 98 % Recovery
AREA IN STD 18084

% Recovery X 0.1 ug/ml = .098 ug/ml

+EA = re-extract acceptable
JA = reinject acceptable
QA = repeat confirmed original results
OK = original data acceptable (not for REPEATS)
NS = insufficient sample for repeat
DL = DBC low ((20% Recovery)
DA = Dilution Acceptable
BF = Blank Requires Florisil
CT = Contamination Suspected

IF DATA FAILS, INSERT CONDITION CODE FROM REPEAT REQUEST FORM IN BOX.

FINAL STATUS CODE** OK

IF MULTIPLE PACKAGES EXIST, REPORT THIS DATA:_____

|___| QANA |___| QAN3 QA notice included.

SAMPLE DISPOSITION	Code		Code
|___| Complete		|___| Requires Re-extraction	T16
|___| Requires reprep	930	|___| Requires cleanup	901

Audited By_____ Date_____

NNS 5/23

COMPOUND LIST NO. - 141

COMPUCHEM # 95258 DATE

IDENTIFIER PESTICIDES (LOW LEVEL SOLID)

DIL FACT_____DRY WT_____ _30__SPLIT_____FINAL VOL_____/5 = 1.0

AMT SAMPLE_____

CORRECTION FACTOR

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULTS	DETECTION LIMIT (ug/k
1.	0701	ALDRIN----------		2.0
2.	0702	ALPHA-BHC----------		2.0
3.	0703	BETA-BHC----------		2.0
4.	0704	GAMMA-BHC----------		2.0
5.	0705	DELTA-BHC----------		2.0
6.	0706	TECHNICAL CHLORDANE------		20.0
7.	0707	4,4'-DDT----------		4.0
8.	0708	4,4'-DDE----------		4.0
9.	0709	4,4'-DDD----------		4.0
10.	0710	DIELDRIN----------		4.0
11.	0711	ENDOSULFAN I ----------		2.0
12.	0712	ENDOSULFAN II ----------		4.0
13.	0713	ENDOSULFAN SULFATE-------		4.0
14.	0714	ENDRIN----------	BDL	4.0
15.	0715	ENDRIN ALDEHYDE----------		4.0
16.	0739	ENDRIN KETONE----------		4.0
17.	0716	HEPTACHLOR----------		2.0
18.	0717	HEPTACHLOR EPOXIDE-------		2.0
19.	0726	METHOXYCHLOR----------		20.0
20.	0724	AROCHLOR 1016----------		20.0
21.	0720	AROCHLOR 1221----------		20.0
22.	0721	AROCHLOR 1232----------		20.0
23.	0718	AROCHLOR 1242----------		20.0
24.	0722	AROCHLOR 1248----------		20.0
25.	0719	AROCHLOR 1254----------		40.0
26.	0723	AROCHLOR 1260----------		40.0
27.	0725	TOXAPHENE----------		40.0

ANALYST'S COMMENTS:

5/22

ASSIGNED TO Owen

EXTRACTION WORKSHEET
LOW LEVEL PESTICIDE S/S/S

DATE ASSIGNED/POSTED 5/15/86

CASE # UPS Wat; 5898-3 (21 day Turnaround)

-716

QUEUE # 46

	SAMPLE NUMBER	EPA ID #	QC TYPE	SAMPLE ORIG #	SAMPLE WEIGHT	SPLIT SV	VOLUME PEST.	ALUMINA START VOL.	FINAL VOL. 2x1mL	COMP. DATE	COMMENTS
1	84996		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
2	84997		SS	85002	30.0	9.0	1.0	1.0	2.0	5.15	use 84986, 90, 85000, 01-05 for QC
3	84998		SS	85002	30.0	9.0	1.0	1.0	2.0	5.15	F-SEDIMENT
4											
5	85168		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
6	85169		SS	85167	~~30.0~~ 30.0	9.0	1.0	1.0	2.0	5.15	use 85156, 58, 60, 67, 72, 73 for QC
7	85170		SS	85167	30.0	9.0	1.0	1.0	2.0	5.15	BF 149
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	85258		BLANK		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
22	85259		BLANK		30.0	9.0	1.0	1.0	2.0	5.15	

	#	AMOUNT	LOT #
SURROGATE	395	2.0 ML	17636
SPIKE	4016	400 UL	17495
-716	ALUMINA BATCH #		5-13-86-AL

CHECKED AND VERIFIED _____ (GC LAB)

CASE DONE JDN (GC LAB) 05/16/86

POSTED 5.15.86 MS

AUTO. COUNTER 269/488:489

MANUAL COUNTER 268/494

5/14/5B

Sample Number
BS 84996

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 05/15/86
Data Analyzed: 05/16/86
Conc/Dil Factor: 1.00

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha - BHC	8.0	U
319-85-7	Beta - BHC	8.0	U
319-86-8	Delta - BHC	8.0	U
58-89-9	Gamma - BHC(Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor Epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4-4' - DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4-4' - DDD	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4-4' - DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
57-74-9	Chlordane	80.	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor - 1016	80.	U
11104-28-2	Aroclor - 1221	80.	U
11141-16-5	Aroclor - 1232	80.	U
53469-21-9	Aroclor - 1242	80.	U
12672-29-6	Aroclor - 1248	80.	U
11097-69-1	Aroclor - 1254	160	U
11096-82-5	Aroclor - 1260	160	U

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) 30.00 V(t) 2000.00 V(i) 5.0

Analysis Worksheet

CompuChem Number 84996 Case# URS WEST EPA# BS

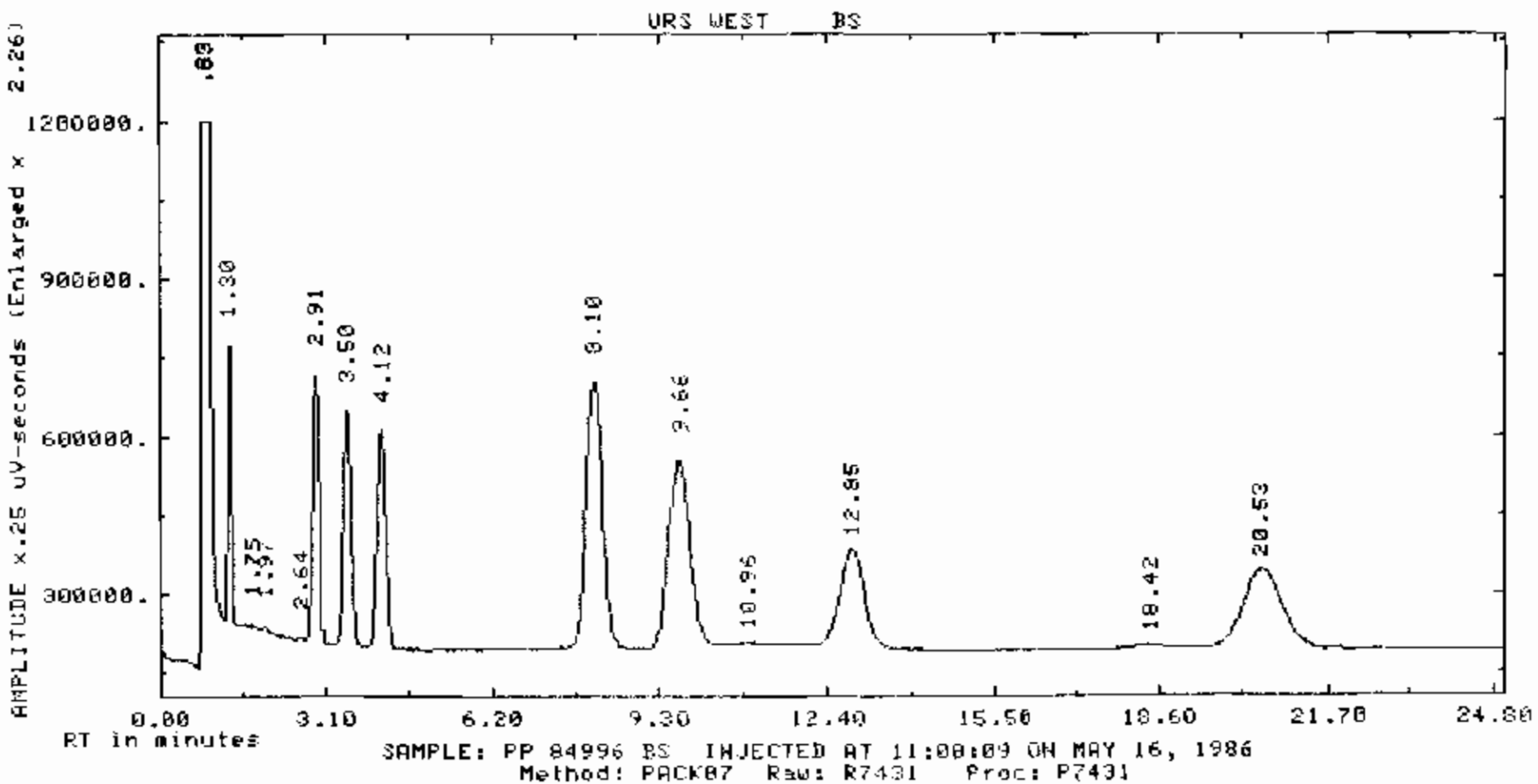
Volume/weight extracted = 30.00 g Final Extract Volume = 2.00 ml Split = 10.0 Dry Weight Factor = 1.00

$$\text{Concentration} = \frac{\text{Sample Area} * \text{Standard Conc} * \text{Dilution} * \text{Split} * \text{Final Volume} * \text{Dry Weight Factor}}{\text{Standard Area} * \text{Volume or Weight of Sample}}$$

File : P7431 Column : MIXED Dilution Factor : 5.0 Detection Level Factor : 1.00

Gamma - BHC(Lindane)	Standard RT window - 2.84 - 2.96		Sample RT -	2.95	Primary/Reported DADS	
	Standard Area -	2214066	Sample Area -	2021046		
	Standard Conc(ug/ml) -	0.010	Sample Conc(ug/Kg) -	30.43	114.10 % Recovery	
heptachlor	Standard RT window - 3.41 - 3.55		Sample RT -	3.50	Primary/Reported DADS	
	Standard Area -	2357382	Sample Area -	2105452		
	Standard Conc(ug/ml) -	0.010	Sample Conc(ug/Kg) -	29.77	111.64 % Recovery	
Aldrin	Standard RT window - 4.02 - 4.19		Sample RT -	4.12	Primary/Reported DADS	
	Standard Area -	2464943	Sample Area -	2243438		
	Standard Conc(ug/ml) -	0.010	Sample Conc(ug/Kg) -	30.34	113.77 % Recovery	
Dieldrin	Standard RT window - 7.91 - 8.23		Sample RT -	8.10	Primary/Reported DADS	
	Standard Area -	4787926	Sample Area -	5318118		
	Standard Conc(ug/ml) -	0.020	Sample Conc(ug/Kg) -	74.05	111.07 % Recovery	
Endrin	Standard RT window - 9.43 - 9.82		Sample RT -	9.66	Primary/Reported DADS	
	Standard Area -	8014712	Sample Area -	4548186		
	Standard Conc(ug/ml) -	0.040	Sample Conc(ug/Kg) -	75.66	113.54 % Recovery	
4-4' - DDT	Standard RT window - 12.54 - 13.05		Sample RT -	12.85	Primary/Reported DADS	
	Standard Area -	7359629	Sample Area -	2932864		
	Standard Conc(ug/ml) -	0.060	Sample Conc(ug/Kg) -	79.76	119.65 % Recovery	

Analyst Comments:


URS WEST BS
AMPLITUDE x.25 uV-seconds (Enlarged x 2.26)
1200000.
900000.
600000.
300000.
.69
1.30
1.75
1.97
2.64
2.91
3.50
4.12
8.10
9.66
10.96
12.85
18.42
20.53
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: PP 84996 BS INJECTED AT 11:08:09 ON MAY 16, 1986
Method: PACK07 Raw: R7431 Proc: P7431

Report: 204.00 Channel: 7 URS WEST BS

Sample: PP B4996 BS Injected at 11:40:09 ON MAY 16, 1986

APCT Method: PACK07 Seq: SEQ74 Subsq/Samp: 1/31 Btl: 31

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	3.000	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

Actual run time: 25.017 minutes

No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.82	0.00	.10000E+01	894005.	BS	17.692	
.89	0.00	.10000E+01	14367.	BB	.284	
1.30	0.00	.10000E+01	1121340.	BS	22.191	
1.75	0.00	.10000E+01	10315.	BB	.204	
1.97	0.00	.10000E+01	24013.	BB	.475	
2.64	0.00	.10000E+01	14939.	BB	.296	
2.91	0.00	.10000E+01	2021046.	BB	39.996	
3.50	0.00	.10000E+01	2105452.	BB	41.667	
4.12	0.00	.10000E+01	2243438.	BB	44.397	
8.10	0.00	.10000E+01	5318118.	BB	105.245	
9.66	0.00	.10000E+01	4548186.	BB	90.008	
10.96	0.00	.10000E+01	71584.	BB	1.417	
12.85	0.00	.10000E+01	2932864.	BB	58.041	
18.42	0.00	.10000E+01	132240.	BB	2.617	
20.53	0.00	.10000E+01	3813500.	BB	75.469	

Total Area = 25265408. Total AREA % = 3813500.000

Processed data file: P7431 Raw data file: R7431

LAB INSTRUCTIONS:

PESTICIDE
WORKSHEET

LOW LEVEL SOLID

QC

CASE # URS WESTDATE DUE 5/10/86
COMPUCHEM # 84996
Sample Prep Code---716
Instrument Code----124
Compound List------177
Surrogate Std------396

SAS: ID#: BS 269/488 Dry Weight Factor
Blank Associated with Case_____ _____ _____ _____
Associated Blank _____

EXTRACTION INFORMATION: CALC Used? yes |___|

Wt. of sample 30 g final volume of extract 2 mls

portion of wt. in pesticide 410.

ANALYSIS INFORMATION:

COMMENTS Deliverable

Inst. # /
Date Sequence Dil. Fact.
5-16 7 74 5

HADLEP

|___| Send to QA
|___| QA Approved
|___| Need QC/MS Confirmation

Analyst 899/924 Date 5-17-86

SURROGATE INFORMATION DIBUTYL CHLORENDATE

AREA IN SAMPLE 3814 X Dilution Factor 5 X 100 = 121 % Recovery
AREA IN STD 15762
% Recovery X 0.1 ug/ml = .121 ug/ml

+EA = re-extract acceptable
JA = reinject acceptable
QA = repeat confirmed original results
OK = original data acceptable (not for REPEATS)
NS = insufficient sample for repeat
DL = DBC low (<20% Recovery)
OA = Dilution Acceptable
BF = Blank Requires Florisil
CT = Contamination Suspected

IF DATA FAILS, INSERT CONDITION CODE FROM REPEAT REQUEST FORM IN BOX.

FINAL STATUS CODE+= OK

IF MULTIFLE PACKAGES EXIST, REPORT THIS DATA:_____

|___| OANA |___| QAN3 QA notice included.

SAMPLE OISPOSITION Code

|___| Complete.....

|___| Requires Re-extraction.. 716

|___| Requires reprep..... 930

|___| Requires cleanUp..... 901

Audited By_____ Oate_____

COMPOUND LIST NO. - 177

COMPUCHEM # 84996 DATE
IDENTIFIER PESTICIDES (LOW LEVEL SOLID)

DIL FACT_____DRY WT_____ _30__SPLIT_____FINAL VOL_____/S = 1.0
CORRECTION FACTOR

AMT SAMPLE_____

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULTS	DETECTION LIMIT (ug/kg)
1.	0701	ALDRIN----------	30	8.0
2.	0702	ALPHA-BHC----------		8.0
3.	0703	BETA-BHC----------		8.0
4.	0704	GAMMA-BHC----------	30	8.0
5.	0705	DELTA-BHC----------		8.0
6.	0706	TECHNICAL CHLORDANE------		80.0
7.	0707	4,4'-DDT----------	80	16.0
8.	0708	4,4'-DDE----------		16.0
9.	0709	4,4'-DDD----------		16.0
10.	0710	DIELDRIN----------	74	16.0
11.	0711	ENDOSULFAN I ----------		8.0
12.	0712	ENDOSULFAN II ----------		16.0
13.	0713	ENDOSULFAN SULFATE-------	76	16.0
14.	0714	ENDRIN----------		16.0
1E.	0739	ENDRIN KETONE----------		16.0
16.	0716	HEPTACHLOR----------	30	8.0
17.	0717	HEPTACHLOR EPOXIDE-------		8.0
18.	0726	METHOXYCHLOR----------		80.0
19.	0724	AROCHLOR 1016----------		80.0
20.	0720	AROCHLOR 1221----------		80.0
21.	0721	AROCHLOR 1232----------		80.0
22.	0718	AROCHLOR 1242----------		80.0
23.	0722	AROCHLOR 1248----------		80.0
24.	0719	AROCHLOR 1254----------		160.0
25.	0723	AROCHLOR 1260----------		160.0
26.	0725	TOXAPHENE----------		160.0

ANALYST'S COMMENTS:

5/22

ASSIGNED TO Owen

EXTRACTION WORKSHEET
LOW LEVEL PESTICIDE S/S/S

DATE ASSIGNED/POSTED 5/15/86

CASE # UPS Wat; 5898-3 (21 day Turnaround)

-716

QUEUE # 46

PAGE 1 OF 1

	SAMPLE NUMBER	EPA ID #	QC TYPE	SAMPLE ORIG #	SAMPLE WEIGHT	SPLIT SV	VOLUME PEST.	ALUMINA START VOL.	FINAL VOL. 2x1mL (0.5)	COMP. DATE	COMMENTS
1	84996		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
2	84997		SS	85002	30.0	9.0	1.0	1.0	2.0	5.15	use 84986, 90, 85000, 01-05 for QC
3	84998		SS	85002	30.0	9.0	1.0	1.0	2.0	5.15	F-SEDIMENT
4											
5	85168		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
6	85169		SS	85167	~~30.0~~ 30.0	9.0	1.0	1.0	2.0	5.15	use 85156, 58, 60, 67, 72, 73 for QC
7	85170		SS	85167	30.0	9.0	1.0	1.0	2.0	5.15	BF 149
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	85258		BLANK		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
22	85259		BLANK		30.0	9.0	1.0	1.0	2.0	5.15	

	#	AMOUNT	LOT #
SURROGATE	395	2.0 ML	17686
SPIKE	4016	400 UL	17995

CHECKED AND VERIFIED _____ (GC LAB)

CASE DONE ✓ DV (GC LAB) 05/15/86

AUTO. COUNTER 269/988:989

MANUAL COUNTER 268/494

-716 ALUMINA BATCH # 5-13-86-AL

POSTED 5-15-86 MS

5/14/52

D. MATRIX SPIKE DATA

1. Tabulated results (Form I) of non-spiked compounds
   — Form 1, Part B not required.

2. Raw Data — in order: VOA, BNA, Pesticide

   a. Reconstructed ion chromatogram(s) and quantitation report(s) or legible facsimile (GC/MS)

      — Spectra *not* required

   b. Chromatogram(s) and data system printout(s) (GC)
      1. Both primary and confirmation column data is required.

   c. Work Sheets

      - Analysis
      - Extraction
      - Compound Lists
      - Miscellaneous Calculation Sheets

      — Worksheets for each type of fraction are included. There are extraction worksheets, describing which samples are processed in a batch, and listing the associated method blank, date, analyst, standards used, and conditions. Analysis worksheets are used at the instrument station to denote condition of extracts, file names, standards used, dilutions, etc. Compound lists are the within-lab reporting forms used by the analysts to record hits and perform calculations to determine concentrations of compounds. Data is transferred from compound lists to EPA forms (OADS).

   d. Screening chromatograms(s) and GPC chromatogram(s) — if applicable

Sample Number
A SEDIMENT MS

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: 6286496A19
Sample matrix: solid
Data Release
Authorized By: _____

Case:
QC Report No: URSWEST
Contract No:
Date Sample
Received: 5-12-86

Volatile Compounds
Concentration: low
Date extracted/prepared: 5-20-86
Date analyzed: 5-20-86
Conc/Dil Factor: 2.13 pH: N/A
Percent moisture (not decanted): 55%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	21.	U	10061-02-6	trans-1,3-Dichloropropene	11.	U
74-83-9	Bromomethane	21.	U	79-01-6	Trichloroethene	11.	U
75-01-4	Vinyl Chloride	21.	U	124-48-1	Dibromochloromethane	11.	U
75-00-3	Chloroethane	21.	U	79-00-5	1,1,2-Trichloroethane	11.	U
75-09-2	Methylene Chloride	16.	B	71-43-2	Benzene	11.	U
67-64-1	Acetone	20.	JB	10061-01-5	cis-1,3-Dichloropropene	11.	U
75-15-0	Carbon Disulfide	11.	U	110-75-8	2-Chloroethyl Vinyl Ether	21.	U
75-35-4	1,1-Dichloroethene	11.	U	75-25-2	Bromoform	11.	U
75-34-3	1,1-Dichloroethane	11.	U	108-10-1	4-Methyl-2-pentanone	21.	U
156-60-5	trans-1,2-Dichloroethene	11.	U	591-78-6	2-Hexanone	21.	U
67-66-3	Chloroform	11.	U	127-18-4	Tetrachloroethene	11.	U
107-06-2	1,2-Dichloroethane	11.	U	79-34-5	1,1,2,2-Tetrachloroethane	11.	U
78-93-3	2-Butanone	21.	U	108-88-3	Toluene	11.	U
71-55-6	1,1,1-Trichloroethane	11.	U	108-90-7	Chlorobenzene	11.	U
56-23-5	Carbon Tetrachloride	11.	U	100-41-4	Ethyl Benzene	11.	U
108-05-4	Vinyl Acetate	21.	U	100-42-5	Styrene	11.	U
75-27-4	Bromodichloromethane	11.	U		Total Xylenes	11.	U
78-87-5	1,2-Dichloropropane	11.	U				

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 then 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 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 10ug and a concentration of 5ug is calculated, then report as 5J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

Case No: URS West

Sample Number: A-SEDIMENT

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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12.					
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17.					
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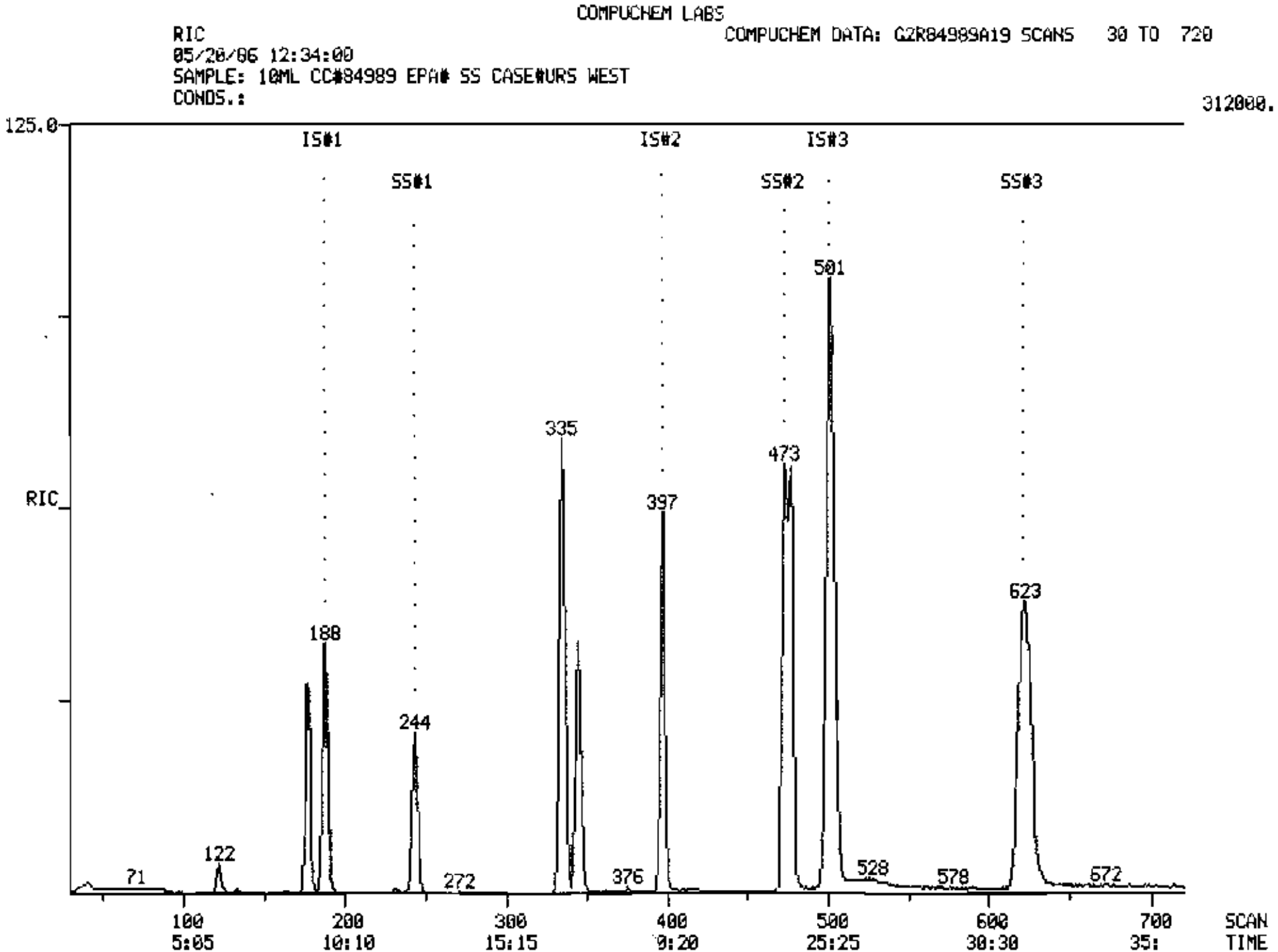
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
COMPUCHEM DATA: G2R84989A19 SCANS 30 TO 720
05/20/06 12:34:00
SAMPLE: 10ML CC#84989 EPA# SS CASE#URS WEST
CONDS.:
312000.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
501
335
473
397
623
188
244
122
71
272
376
528
578
672
RIC
100
5:05
200
10:10
300
15:15
400
0:20
500
25:25
600
30:30
700
35:
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E238 FILENAME: G2R84989A19 DATE: 05/20/86
SHIFT STD: GU860520C19 TIME: 12:34

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	61104.	82166.	-26.	PASS
*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	266389.	348304.	-24.	PASS
*270 D5-CHLOROBENZENE (IS)	256438.	329671.	-22.	PASS

QUANTITATION REPORT FILE: G2R84989A19

DATA: G2R84989A19.TI
05/20/86 12:34:00
AMPLE: 10ML CC#84989 EPA# SS CASE#URS WEST
CONDS.:
SUBMITTED BY: 19 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
2	221 CHLOROMETHANE <75-01-4> E5#2
3	220 BROMOMETHANE <78-83-9> E5#3
4	231 VINYL CHLORIDE <75-01-4> E5#4
5	209 CHLOROETHANE <75-00-3> E5#5
6	222 METHYLENE CHLORIDE <75-09-2> E5#6
7	252 ACETONE (2-PROPANONE) <67-64-1> E5#7
8	254 CARBON DISULFIDE <75-15-0> E5#8
9	216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
10	214 1,1-DICHLOROETHANE <75-34-3> E5#10
11	226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
12	211 CHLOROFORM <67-66-3> E5#12
13	215 1,2-DICHLOROETHANE <107-06-2> E5#13
14	*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
15	253 2-BUTANONE <78-93-3> E6#2
16	227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
17	206 CARBON TETRACHLORIDE <56-23-5>
18	257 VINYL ACETATE <108-05-4> E6#5
19	212 BROMODICHLOROMETHANE <75-27-4> E6#6
20	217 1,2-DICHLOROPROPANE <78-87-5> E6#7
21	250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
22	229 TRICHLOROETHYLENE <79-01-6> E6#9
23	208 CHLORODIBROMOMETHANE <124-48-1> E6#10
24	228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
25	203 BENZENE <71-43-2> E6#12
26	218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
27	210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
28	205 BROMOFORM <75-25-2> E6#15
29	*270 D5-CHLOROBENZENE (IS)
30	256 4-METHYL-2-PENTANONE <108-10-1> E7#2
31	255 2-HEXANONE <591-78-6> E7#3
32	224 TETRACHLOROETHENE <127-18-4> E7#4
33	223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
34	225 TOLUENE <108-88-3> E7#6
35	207 CHLOROBENZENE <108-90-7> E7#7
36	219 ETHYLBENZENE <100-41-4> E7#8
37	251 STYRENE <100-42-5> E7#9
38	240 M-XYLENE E7#10
39	271 O,P-XYLENE E7#11
40	#258 D4-1,2-DICHLOROETHANE E8#2
41	#247 BROMOFLUOROBENZENE <460-00-4> E8#3
42	#233 D8-TOLUENE E8#4

ID	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	186	9:33	1	1.000	A BV	61104.	50.000 UG/KG	8.26
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	122	6:12	1	0.649	A BB	11142.	7.515	UG/KG	1.24
7	43	134	6:49	1	0.713	A BB	3628.	9.392	UG/KG	1.55
8	76	NOT FOUND								
9	96	177	9:00	1	0.941	A BV	70432.	61.480	UG/KG	10.16
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	232	11:48	1	1.234	A BB	3023.	1.002	UG/KG	0.17
13	62	NOT FOUND								
14	114	397	20:11	14	1.000	A BV	266389.	50.000	UG/KG	8.26
15	72	244	12:24	14	0.615	A BB	218.	1.664	UG/KG	0.27
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	335	17:02	14	0.844	A BB	125443.	59.454	UG/KG	9.82
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	345	17:32	14	0.869	A BV	162258.	53.551	UG/KG	8.85
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	500	25:25	29	1.000	A BV	256438.	50.000	UG/KG	8.26
30	43	NOT FOUND								
31	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	477	24:15	29	0.954	A BB	156269.	57.866	UG/KG	9.56
35	112	503	25:34	29	1.006	A BV	257271.	62.109	UG/KG	10.26
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	244	12:24	1	1.298	A BV	81364.	41.742	UG/KG	6.90
41	95	623	31:40	29	1.246	A BB	223989.	48.996	UG/KG	8.10
42	98	473	24:03	1	2.516	A BV	246162.	50.482	UG/KO	8.34

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:36	0.99	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.596	
3	2:32		10.000			50.00		1.298	
4	3:15		10.000			50.00		0.867	
5	4:10		10.000			50.00		0.451	
6	6:18	0.98	5.000	0.13	7.51	50.00	0.182	1.213	0.15
7	6:52	0.99	10.000	0.07	9.39	50.00	0.059	0.316	0.19
8	7:50		5.000			50.00		2.063	
9	9:06	0.99	5.000	0.19	61.48	50.00	1.153	0.937	1.23
10	10:28		5.000			50.00		1.353	
11	11:11		5.000			50.00		1.042	
12	11:51	1.00	5.000	0.25	1.00	50.00	0.049	2.468	0.02
13	12:33		5.000			50.00		1.441	
14	20:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:24	1.00	10.000	0.06	1.66	50.00	0.001	0.025	0.03
16	13:56		5.000			50.00		0.512	
17	14:20		5.000			50.00		0.563	
18	14:26		10.000			50.00		0.201	
19	14:54		5.000			50.00		0.512	
20	16:16		5.000			50.00		0.213	
21	16:31		5.000			50.00		0.326	
22	17:05	1.00	5.000	0.17	59.45	50.00	0.471	0.396	1.19
23	17:47		5.000			50.00		0.463	
24	17:54		5.000			50.00		0.285	
25	17:35	1.00	5.000	0.17	53.55	50.00	0.609	0.569	1.07
26	17:51		5.000			50.00		0.214	
27	18:58		10.000			50.00		0.118	
28	20:35		5.000			50.00		0.315	
29	25:25	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:00		10.000			50.00		0.207	
31	22:37		10.000			50.00		0.162	
32	22:56		5.000			50.00		0.419	
33	22:59		5.000			50.00		0.497	
34	24:15	1.00	5.000	0.19	57.87	50.00	0.609	0.527	1.16
35	25:34	1.00	5.000	0.20	62.11	50.00	1.003	0.808	1.24
36	28:07		5.000			50.00		0.410	
37	33:39		5.000			50.00		0.803	
38	34:07		5.000			50.00		0.529	
39	35:29		5.000			100.00		0.514	
40	12:27	1.00	10.000	0.13	41.74	50.00	1.332	1.595	0.83
41	31:40	1.00	10.000	0.12	49.00	50.00	0.873	0.891	0.98
42	24:03	1.00	10.000	0.25	50.48	50.00	4.029	3.990	1.01

QC

CASE# URS WEST DUE DATE ____/____/____

VO
GC/MS WORKSHEET   COMPUCHEM# ~~847~~ 84989R   R ___ R2 ___ D ___ I ___ (1)
R3 ___ R4 ___ D2 ___ I ___ (1)

OW LEVEL SOLID
eliverable Code 069

Sample Prep Code ___155___
Instrument Code ___257___
Compound List ___146___
Surrogate Std ___394___
Internal Std ___036___

AS ________ EPA# 55 ________ Dry Weight Factor 2.17

C/MS ANALYSIS
Amount Purged: X 10mls/Kg soil or ___ Dilution ________ ul/10000ul/Kg soil
Internal Standard Volume Added 5 ul
Surrogate Standard Volume Added 5 ul
BFB Filename BF860520C19 Disk[30/7]
Blank Filename GB860520C19 Disk[ ]
Standard Filename GU860520C19 Disk[ ]
Sample Filename G2R84989A19 Disk[ ]

ANALYST(S): Injection 8/19 Work-up 8/19

C/MS REVIEW

CONDITION CODE: EA

Entry Codes OK,EA,ES,SM,JS,SL,SH,JA,DA

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,NP
IF,LA,DI,CO,RN,DW,SI,SF
UP,BB,OT,VC,FD,NS

Disposition: ✓ Complete
___ Reprep neat required
___ Reprep using ______g
___ Dilute (:1)

Extraneous Peak Search Results:
# of Peaks Found: 0

Quality Assurance Notice(s):
Notices Required ________

OMMENTS:

C/MS Review 9AH Date 5/21/86 Auditor ________ Date ___/___/___

EPORT INTEGRATION   Total # of Injections: 2
Final Reportable Package(s): G2R849A19 / ________

A COMMENTS

Initials ________ Date ___/___/___

INAL REVIEW   Initials ________ Date ___/___/___

CMS-85 (9/84)

COMPUCHEM # R84989 FILE: G2R84989A19 COMPOUND LIST 146 PAGE 1
VOLATILE - LOW LEVEL SOLID

IP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IS) <75	188	61100.	50.0		
221	50		CHLOROMETHANE <75-01-4> E5#				BDL	21.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL	21.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL	21.
209	64		CHLOROETHANE <75-00-3> E5#5				BDL	21.
222	84		METHYLENE CHLORIDE <75-09-2			7.5	16. B	11.
252	43		ACETONE (2-PROPANONE) <67-6			9.4	J B	21.
254	76		CARBON DISULFIDE <75-15-0>				BDL	11.
216	96		1,1-DICHLOROETHYLENE <75-35			61.5	130.	11.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL	11.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL	11.
211	83		CHLOROFORM <67-66-3> E5#12			1.9	BDL	11.
215	62		1,2-DICHLOROETHANE <107-06-				BDL	11.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	397	266000.	50.0		
253	72		2-BUTANONE <78-93-3> E6#2			1.7	BDL	21.
227	97		1,1,1-TRICHLOROETHANE <71-5				BDL	11.
206	117		CARBON TETRACHLORIDE <56-23				BDL	11.
257	43		VINYL ACETATE <108-05-4> E6				BDL	21.
212	83		BROMODICHLOROMETHANE <75-27				BDL	11.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL	11.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL	11.
229	130		TRICHLOROETHYLENE <79-01-6>			59.4	130.	11.
208	129		CHLORODIBROMOMETHANE <124-4				BDL	11.
228	97		1,1,2-TRICHLOROETHANE <79-0				BDL	11.
203	78		BENZENE <71-43-2> E6#12			53.6	110.	11.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL	11.
210	63		2-CHLOROETHYL VINYL ETHER <				BDL	21.
205	173		BROMOFORM <75-25-2> E6#15				BDL	11.
270	117	I	D5-CHLOROBENZENE (IS)	500	256000.	50.0		
256	43		4-METHYL-2-PENTANONE <108-1				BDL	21.
255	43		2-HEXANONE <591-78-6> E7#3				BDL	21.
224	164		TETRACHLOROETHENE <127-18-4				BDL	11.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL	11.
225	92		TOLUENE <108-88-3> E7#6			57.9	120.	11.
207	112		CHLOROBENZENE <108-90-7> E7			62.1	130.	11.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL	11.
251	104		STYRENE <100-42-5> E7#9				BDL	11.
240	106		M-XYLENE E7#10				BDL	11.
271	106		O,P-XYLENE E7#11				BDL	11.
258	65	S	D4-1,2-DICHLOROETHANE E8#2			41.7	83.%	
247	95	S	BROMOFLUOROBENZENE <460-00-			49.0	98.%	
233	98	S	D8-TOLUENE E8#4			50.5	101.%	
CHECKSUMS:								
3508.	1407			1085	583100.	605.3	918.	

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLORDETHANE EB#2	41.7	50.0	83.	70-121	X	
41	247	BROMOFLUOROBENZENE <460-00-	49.0	50.0	98.	74-121	X	
42	233	D8-TOLUENE EB#4	50.5	50.0	101.	81-117	X	

* AOVISDRY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS ✓ ___

CORRECTION FACTOR CALCULATION:

$$\frac{\text{5.0 G}}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{\text{5.0 G}}{\text{5.10 (G)}} \times \frac{1.0}{} \times \frac{2.2}{} = 2.130$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO EPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

(19)

VOLATILE PREP WORKSHEET

№ 1192

ASSIGNED TO Pat

DATE 5.19.86

Sample Number	Prep Code	Case No.	QC Sample Type	QC Sample Original	Sample Weight (g) Volume (ml)	Date Comp.	Screens LIQ	Screens S	Screens L	Screens M	Comments
84991R	-155	URS	SS	84986	5.10g	5.19.86					
84989R2 84989R3 84989R	1		SS	84986	5.10g	5.19.86					
84064			B		5.0ml	5.19.86					
84067			B		0ml	5.19.86					
			B								

Surrogate No. /

Amount

Lot

MA 5-19-86

Schedule Reference

Manual Counter 278/721

Sample Number
E SEDIMENT RE

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GH084974A05
Sample matrix: solid
Data Release
Authorized By: ________________

Case:
QC Report No: URS WEST
Contract No:
Date Sample
Received: 05-12-86

Volatile Compounds

Concentration: low
Date extracted/prepared: N/A
Date analyzed: N/A
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 0%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.0	U	71-43-2	Benzene	5.0	U
67-64-1	Acetone	10.	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem
Case: URS WEST

Sample Number
E SEDIMENT [illegible]

Organics Analysis Data Sheet
(Page 2)

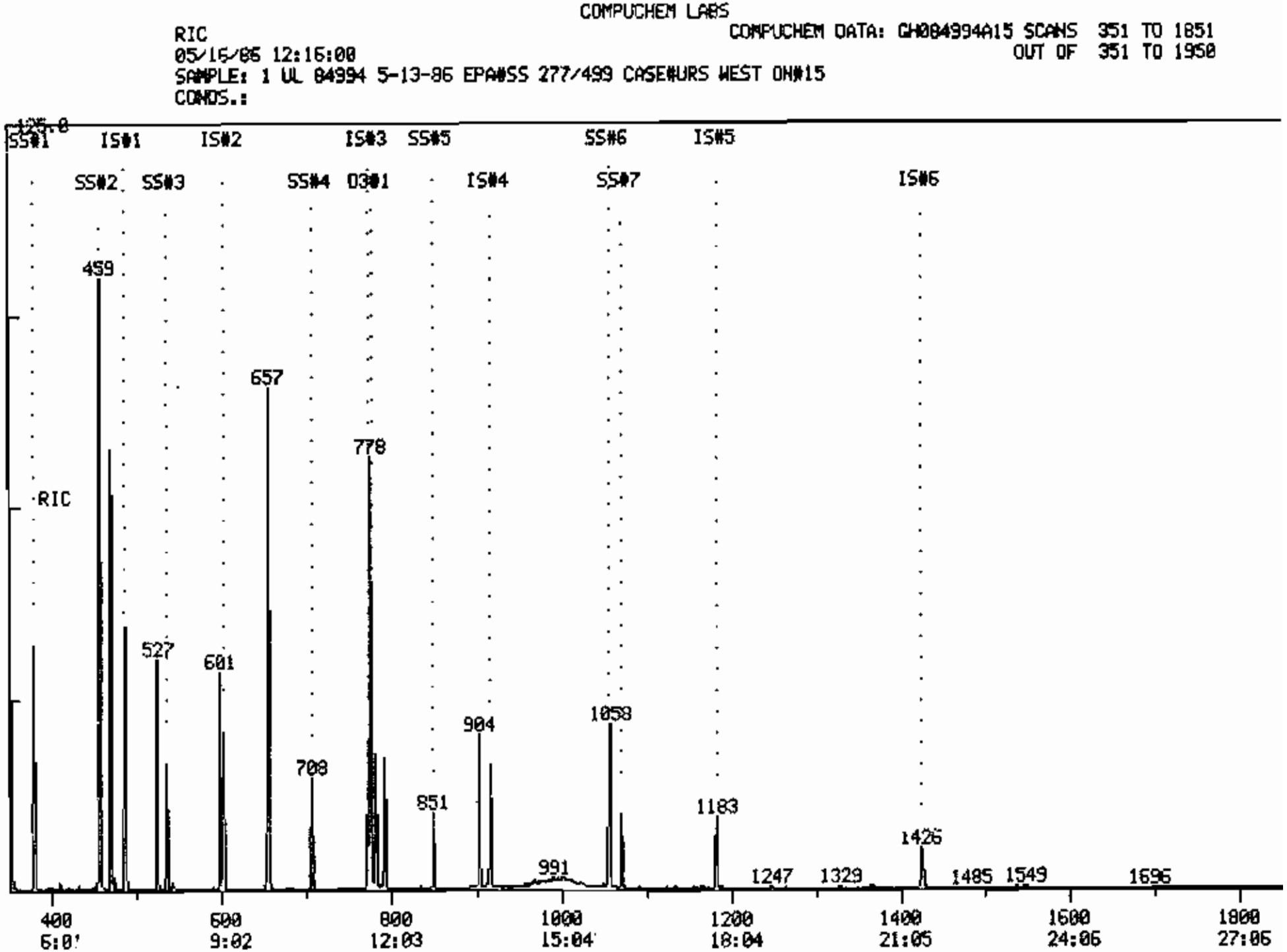
Semivolatile Compounds

Concentration: Low
Date extracted/prepared: 05-13-86
Date analyzed: 05-16-86
Conc/Dil Factor: 39.80
Percent moisture (decanted): 17%

GPC Cleanup: No
Separatory Funnel Extraction: Yes
Continuous Liquid - Liquid Extraction: No

CAS Number		ug/kg		CAS Number		ug/kg	
108-95-2	Phenol	400	U	83-32-9	Acenaphthene	400	U
111-44-4	bis(2-Chloroethyl) ether	400	U	51-28-5	2,4-Dinitrophenol	2000	U
95-57-8	2-Chlorophenol	400	U	100-02-7	4-Nitrophenol	2000	U
541-73-1	1,3-Dichlorobenzene	400	U	132-64-9	Dibenzofuran	400	U
106-46-7	1,4-Dichlorobenzene	400	U	121-14-2	2,4-Dinitrotoluene	400	U
100-51-6	Benzyl Alcohol	400	U	606-20-2	2,6-Dinitrotoluene	400	U
95-50-1	1,2-Dichlorobenzene	400	U	84-66-2	Diethylphthalate	400	U
95-48-7	2-Methylphenol	400	U	7005-72-3	4-Chlorophenyl Phenyl ether	400	U
39638-32-9	bis(2-Chloroisopropyl) ether	400	U	86-73-7	Fluorene	400	U
106-44-5	4-Methylphenol	400	U	100-01-6	4-Nitroaniline	2000	U
621-64-7	N-Nitroso-Dipropylamine	400	U	534-52-1	4,6-Dinitro-2-methylphenol	2000	U
67-72-1	Hexachloroethane	400	U	86-30-6	N-nitrosodiphenylamine (1)	400	U
98-95-3	Nitrobenzene	400	U	101-55-3	4-Bromophenyl Phenyl ether	400	U
78-59-1	Isophorone	400	U	118-74-1	Hexachlorobenzene	400	U
88-75-5	2-Nitrophenol	400	U	87-86-5	Pentachlorophenol	2000	U
105-67-9	2,4-Dimethylphenol	400	U	85-01-8	Phenanthrene	400	U
65-85-0	Benzoic Acid	2000	U	120-12-7	Anthracene	400	U
111-91-1	bis(2-Chloroethoxy) methane	400	U	84-74-2	Di-n-butylphthalate	400	U
120-83-2	2,4-Dichlorophenol	48.	J	206-44-0	Fluoranthene	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U	129-00-0	Pyrene	400	U
91-20-3	Naphthalene	400	U	85-68-7	Butyl Benzyl Phthalate	400	U
106-47-8	4-Chloroaniline	400	U	91-94-1	3,3'-Dichlorobenzidine	800	U
87-68-3	Hexachlorobutadiene	400	U	56-55-3	Benzo(a)anthracene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U	117-81-7	bis(2-ethylhexyl)phthalate	48.	J
91-57-6	2-Methylnaphthalene	400	U	218-01-9	Chrysene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U	117-84-0	Di-n-octyl Phthalate	400	U
88-06-2	2,4,6-Trichlorophenol	400	U	205-99-2	Benzo(b)fluoranthene	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U	207-08-9	Benzo(k)fluoranthene	400	U
91-58-7	2-Chloronaphthalene	400	U	50-32-8	Benzo(a)pyrene	400	U
88-74-4	2-Nitroaniline	2000	U	193-39-5	Indeno(1,2,3-cd)pyrene	400	U
131-11-3	Dimethyl Phthalate	400	U	53-70-3	Dibenz(a,h)anthracene	400	U
208-96-8	Acenaphthylene	400	U	191-24-2	Benzo(g,h,i)perylene	400	U
99-09-2	3-Nitroaniline	2000	U				

(1) Cannot be separated from diphenylamine


COMPUCHEM LABS
RIC
05/16/86 12:16:00
SAMPLE: 1 UL 84994 5-13-86 EPA#SS 277/499 CASE#URS WEST ON#15
CONDS.:
COMPUCHEM DATA: GH084994A15 SCANS 351 TO 1851
OUT OF 351 TO 1950
SS#1
IS#1
IS#2
IS#3
SS#5
SS#6
IS#5
SS#2
SS#3
SS#4
03#1
IS#4
SS#7
IS#6
459
657
778
RIC
527
601
708
851
904
1058
991
1183
1247
1329
1426
1485
1549
1696
400
600
800
1000
1200
1400
1600
1800
6:01
9:02
12:03
15:04
18:04
21:05
24:06
27:06

COMPUCHEM LABS

RIC COMPUCHEM DATA: GH084994A15 SCANS 1851 TO 1950
05/16/86 12:16:00 OUT OF 351 TO 1950
SAMPLE: 1 UL 84994 5-13-86 EPA#SS 277/499 CASE#URS WEST OH#15
CONDS.:

1932790.

1904

SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: SEMI2 FILENAME: GH084994A15 DATE: 05/16/86
SHIFT STD: HG860516C15 TIME: 12:16

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*494 D4-1,4-DICHLOROBENZENE (IS#1)	86476.	80292.	8.	PASS
*460 D8-NAPHTHALENE (IS#2)	350624.	309736.	13.	PASS
*495 D10-ACENAPHTHENE (IS#3)	155512.	134164.	16.	PASS
*467 D10-PHENANTHRENE (IS#4)	170564.	198608.	-14.	PASS
*459 D12-CHRYSENE (IS#5)	125488.	152287.	-18.	PASS
*497 D12-PERYLENE (IS#6)	128192.	130801.	-2.	PASS

QUANTITATION REPORT FILE: QH084994A15

DATA: QH084994A15.TI
05/16/86 12:16:00
MPLE: 1 UL 84994 5-13-86 EPA#SS 277/499 CASE#UR8 WEST ON#15
CONDS.:
SUBMITTED BY: 15 ANALYST: 740

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (G1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
4	601 2-CHLOROPHENOL (G1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
7	474 BENZYL ALCOHOL (G1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
9	620 2-METHYLPHENOL (G1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
11	622 4-METHYLPHENOL (G1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
13	436 HEXACHLOROETHANE (G1#15) <67-72-1>
14	440 NITROBENZENE (G1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (G2#2) <78-59-1>
17	606 2-NITROPHENOL (G2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
9	625 BENZOIC ACID (G2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
23	439 NAPHTHALENE (G2#9) <91-20-3>
24	475 4-CHLOROANILINE (G2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
26	608 P-CHLORO-M-CREBOL (G2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
33	478 2-NITROANILINE (G3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
35	402 ACENAPHTHYLENE (G3#8) <208-96-8>
36	479 3-NITROANILINE (G3#9) <99-09-2>
37	401 ACENAPHTHENE (G3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (G3#11) <51-28-5>
39	607 4-NITROPHENOL (G3#12) <100-02-7>
40	476 DIBENZOFURAN (G3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
4	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
45	432 FLUORENE (G3#18) <86-73-7>
46	480 4-NITROANILINE (G3#19) <100-01-6>

NO	NAME
47	#467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	#459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	#497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#626 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TDT
1	152	487	7:20	1	1.000	A BB	86476.	40.000	NQ	2.62
2	94	459	6:55	1	0.943	A BV	774044.	113.127	NQ	7.41
3	93	NOT FOUND								
4	128	471	7:06	1	0.967	A BV	495472.	136.540	NQ	8.94
5	146	489	7:22	1	1.004	A BB	212044.	61.842	NQ	4.05
6	146	489	7:22	1	1.004	A BB	212044.	59.502	NQ	3.90
7	108	NOT FOUND								
8	146	NOT FOUND								
9	108	NOT FOUND								
10	45	NOT FOUND								
11	108	NOT FOUND								
12	70	527	7:56	1	1.082	A BV	244420.	66.216	NQ	4.33
13	117	NOT FOUND								
14	77	NOT FOUND								
15	136	604	9:06	15	1.000	A BV	350624.	40.000	NQ	2.62
16	82	NOT FOUND								
17	139	NOT FOUND								
18	122	NOT FOUND								
19	122	NOT FOUND								
20	93	NOT FOUND								
21	162	591	8:54	15	0.978	A BB	2656.	1.164	NQ	0.08

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	600	9:02	15	0.993	A BB	167856.	63.939	NG	4.19
23	128	NOT FOUND								
24	127	NOT FOUND								
25	225	NOT FOUND								
26	107	657	9:54	15	1.088	A BV	446196.	132.901	NG	8.70
27	142	NOT FOUND								
28	164	774	11:39	28	1.000	A BB	155512.	40.000	NG	2.62
29	237	NOT FOUND								
30	196	NOT FOUND								
31	196	NOT FOUND								
32	162	NOT FOUND								
33	65	NOT FOUND								
34	163	NOT FOUND								
35	152	NOT FOUND								
36	138	NOT FOUND								
37	153	778	11:43	28	1.005	A BB	287804.	60.671	NG	3.97
38	184	NOT FOUND								
39	139	784	11:48	28	1.013	A VV	103296.	96.513	NG	6.32
40	168	NOT FOUND								
41	89	794	11:57	28	1.026	A VV	76040.	37.473	NG	2.45
42	165	NOT FOUND								
43	149	NOT FOUND								
44	204	NOT FOUND								
45	166	NOT FOUND								
46	138	NOT FOUND								
47	188	917	13:49	47	1.000	A VV	170564.	40.000	NG	2.62
48	198	NOT FOUND								
49	169	NOT FOUND								
50	248	NOT FOUND								
51	284	NOT FOUND								
52	266	904	13:37	47	0.986	A VV	63836.	89.938	NG	5.89
53	178	NOT FOUND								
54	178	NOT FOUND								
55	149	NOT FOUND								
56	202	NOT FOUND								
57	240	1183	17:49	57	1.000	A VV	125488.	40.000	NG	2.62
58	202	1058	15:56	57	0.894	A VV	292008.	61.872	NG	4.05
59	149	NOT FOUND								
60	252	NOT FOUND								
61	228	NOT FOUND								
62	149	1186	17:52	57	1.003	A#VV	4700.	1.208	NG	0.08
63	228	NOT FOUND								
64	264	1426	21:29	64	1.000	A VV	128192.	40.000	NG	2.62
65	149	NOT FOUND								
66	252	NOT FOUND								
67	252	NOT FOUND								
68	252	NOT FOUND								
69	276	NOT FOUND								
70	278	NOT FOUND								
71	276	NOT FOUND								
72	112	382	5:45	1	0.784	A BV	279404.	69.403	NG	4.54
73	99	458	6:54	1	0.940	A BV	360612.	64.900	NG	4.25
74	82	538	8:06	15	0.891	A BB	152968.	32.352	NG	2.12
75	172	708	10:40	28	0.915	A BB	174684.	33.489	NG	2.19
76	141	851	12:49	28	1.099	A VV	17836.	45.377	NG	2.97
77	244	1071	16:08	57	0.905	A VV	93000.	30.232	NG	1.98

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
78	212	1056	15:54	57	0.893	A VV	119792.	29.022	NG	1.90
79	216	NOT FOUND								

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:54	1.00	10.000	0.09	113.13	50.00	7.161	3.165	2.26
3	7:01		10.000			50.00		2.181	
4	7:06	1.00	10.000	0.10	136.54	50.00	4.384	1.679	2.73
5	7:17	1.01	10.000	0.10	61.84	50.00	1.962	1.586	1.24
6	7:22	1.00	10.000	0.10	59.50	50.00	1.962	1.648	1.19
7	7:32		10.000			50.00		1.221	
8	7:36		10.000			50.00		1.527	
9	7:42		10.000			50.00		1.559	
10	7:45		10.000			50.00		3.677	
11	7:53		10.000			50.00		1.798	
12	7:56	1.00	10.000	0.11	66.22	50.00	2.261	1.707	1.32
13	8:03		10.000			50.00		0.832	
14	8:08		10.000			50.00		2.261	
15	9:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:27		10.000			50.00		1.009	
17	8:34		10.000			50.00		0.213	
18	8:37		10.000			50.00		0.343	
19	8:44		50.000			50.00		0.199	
20	8:45		10.000			50.00		0.541	
21	8:54	1.00	10.000	0.10	1.16	50.00	0.006	0.260	0.02
22	9:02	1.00	10.000	0.10	63.94	50.00	0.383	0.299	1.28
23	9:08		10.000			50.00		1.102	
24	9:12		10.000			50.00		0.427	
25	9:24		10.000			50.00		0.145	
26	9:53	1.00	10.000	0.11	132.90	50.00	1.018	0.383	2.66
27	10:07		10.000			50.00		0.625	
28	11:39	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:27		10.000			50.00		0.326	
30	10:33		10.000			50.00		0.430	
31	10:36		50.000			50.00		0.377	
32	10:49		10.000			50.00		1.274	
33	11:00		50.000			50.00		0.622	
34	11:18		10.000			50.00		1.531	
35	11:26		10.000			50.00		2.018	
36	11:35		50.000			50.00		0.433	
37	11:42	1.00	10.000	0.10	60.67	50.00	1.481	1.220	1.21
38	11:44		50.000			50.00		0.113	
39	11:48	1.00	50.000	0.02	96.51	50.00	0.531	0.275	1.93
40	11:57		10.000			50.00		1.759	
41	11:57	1.00	10.000	0.10	37.47	50.00	0.391	0.522	0.75
42	11:23		10.000			50.00		0.345	
43	12:20		10.000			50.00		1.341	
44	12:25		10.000			50.00		0.577	
45	12:26		10.000			50.00		1.261	
46	12:29		50.000			50.00		0.383	
47	13:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:34		50.000			50.00		0.114	
49	12:36		10.000			50.00		0.646	
50	13:08		10.000			50.00		0.252	
51	13:22		10.000			50.00		0.311	
52	13:37	1.00	50.000	0.02	89.94	50.00	0.299	0.166	1.80

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	13:51		10.000			50.00		1.275	
54	13:55		10.000			50.00		0.933	
55	14:41		10.000			50.00		1.700	
56	15:36		10.000			50.00		1.227	
57	17:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:56	1.00	10.000	0.09	61.87	50.00	1.862	1.504	1.24
59	16:51		10.000			50.00		0.875	
60	17:44		20.000			50.00		0.381	
61	17:48		10.000			50.00		1.271	
62	17:52	1.00	10.000	0.10	1.21	50.00	0.030	1.240	0.02
63	17:53		10.000			50.00		1.088	
64	21:32	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	19:13		10.000			50.00		2.422	
66	20:22		10.000			50.00		1.528	
67	20:26		10.000			50.00		0.840	
68	21:21		10.000			50.00		1.087	
69	26:00		10.000			50.00		1.266	
70	26:07		10.000			50.00		0.990	
71	27:20		10.000			50.00		0.975	
72	5:44	1.00	0.742	1.06	69.40	50.00	2.585	1.862	1.39
73	6:53	1.00	0.748	0.99	64.90	50.00	3.336	2.570	1.30
74	8:06	1.00	0.875	1.02	32.35	50.00	0.349	0.539	0.65
75	10:40	1.00	0.906	1.01	33.49	50.00	0.899	1.342	0.67
76	12:49	1.00	1.118	0.98	45.38	50.00	0.092	0.101	0.91
77	16:08	1.00	0.907	1.00	30.23	50.00	0.593	0.981	0.60
78	15:54	1.00	10.000	0.09	29.02	50.00	0.764	1.316	0.58
79	10:50		1.000			50.00		0.246	

LAB INSTRUCTIONS:

CASE#: URS WEST DUE DATE: 6/10/86

SEMI-VOLATILE GC/MS WORKSHEET COMPUCHEM#: 84994

J1[ ] R1[ ] D1[ ] (:1)

J2[ ] R2[ ] D2[ ] (:1)

LOW LEVEL SOLID

Qc

Sample Prep Code--- -717
Instrument Code------255
Compound List--------172
Surrogate Std--------393
Internal Std---------035

SAMPLE ID/EPA#: 55 277/499 Dry Weight Factor 1.20

GC/MS ANALYSIS

Volumes mixed: BN 200 ul Acid ul

Internal Standard Volume Added 5 ul

Mixed Sample Volume Injected 1 ul

Date of Sample Bottle Analyzed 5/13/86

DFTPP Filename DI8605161C15 Disk (3177)

Standard Filename HS8605161C15 Disk ( )

Sample Filename GH8499411C15 Disk ( )

ANALYST(S): Injection 740 Work-up 740

GC/MS REVIEW

CONDITION CODE: dc

Entry Codes OK,EA,JA, ES,AL,AH,PL,PH,FL,JS FH,NL,NH,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,OT,DA ED,IF,LA,DI,CD,RN,DW,NS

PLQ05K9

Disposition: [✓] Complete

Extraneous Peak Search Results:

# of Peaks Found: 1

# of Hits: 13

# of Surrogate Outliers: 0

[ ] Reinjection required

[ ] Reextraction required

[ ] Dilute (:1)

[ ] Reinject Near

Quality Assurance Notice(s):

Notices Required 0

[ ] Send to QA

GC/MS Review [signature] Date 5/19/86 Auditor Date / /

REPORT INTEGRATION Total # of Injections: 1

Final Reportable Package(s): GH8499411C15 /

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

AC385 (07/85)

5/23/86

COMPUCHEM # 084994 FILE: QH084994A15 COMPOUND LIST 172 PAGE 1
SEMI-VOLATILE - LOW LEVEL SOLID

IP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
494	152	I	D4-1,4-DICHLOROBENZENE (IS#	487	86500.	40.0		
610	94		PHENOL (G1#3) <108-95-2>			113.0	~~3800.~~	330.
411	93		BIS(2-CHLOROETHYL)ETHER (G1				BDL	330.
601	128		2-CHLOROPHENOL (G1#6) <95-5			136.0	~~4500.~~	330.
421	146		1,3-DICHLOROBENZENE (G1#7)			~~61.8~~	~~2000.~~	330.
422	146		1,4-DICHLOROBENZENE (G1#8)			59.5	~~2000.~~	330.
474	108		BENZYL ALCOHOL (G1#9) <100-				BDL	330.
420	146		1,2-DICHLOROBENZENE (G1#10)				BDL	330.
620	108		2-METHYLPHENOL (G1#11) <95-				BDL	330.
412	45		BIS(2-CHLOROISOPROPYL)ETHER				BDL	330.
622	108		4-METHYLPHENOL (G1#13) <106				BDL	330.
442	70		N-NITROSO-DI-N-PROPYLAMINE			66.2	~~2200.~~	330.
436	117		HEXACHLOROETHANE (G1#15) <6				BDL	330.
440	77		NITROBENZENE (G1#16) <98-95				BDL	330.
460	136	I	D8-NAPHTHALENE (IS#2)	604	351000.	40.0		
438	82		ISOPHORONE (G2#2) <78-59-1>				BDL	330.
606	139		2-NITROPHENOL (G2#3) <88-75				BDL	330.
603	122		2,4-DIMETHYLPHENOL (G2#4) <				BDL	330.
625	122		BENZOIC ACID (G2#5) <65-85-				BDL	1700.
410	93		BIS(2-CHLOROETHOXY)METHANE				BDL	330.
602	162		2,4-DICHLOROPHENOL (G2#7) <			11.2	J	330.
446	180		1,2,4-TRICHLOROBENZENE (G2#			63.9	~~2100.~~	330.
79	128		NAPHTHALENE (G2#9) <91-20-3				BDL	330.
75	127		4-CHLOROANILINE (G2#10) <10				BDL	330.
434	225		HEXACHLOROBUTADIENE (G2#11)				BDL	330.
608	107		P-CHLORO-M-CRESOL (G2#12) <			133.0	~~4400.~~	330.
477	142		2-METHYLNAPHTHALENE (G2#13)				BDL	330.
495	164	I	D10-ACENAPHTHENE (IS#3)	774	156000.	40.0		
435	237		HEXACHLOROCYCLOPENTADIENE (				BDL	330.
611	196		2,4,6-TRICHLOROPHENOL (G3#3				BDL	330.
626	196		2,4,5-TRICHLOROPHENOL (G3#4				BDL	1700.
416	162		2-CHLORONAPHTHALENE (G3#5)				BDL	330.
478	65		2-NITROANILINE (G3#6) <88-7				BDL	1700.
425	163		DIMETHYL PHTHALATE (G3#7) <				BDL	330.
402	152		ACENAPHTHYLENE (G3#8) <208-				BDL	330.
479	138		3-NITROANILINE (G3#9) <99-0				BDL	1700.
401	153		ACENAPHTHENE (G3#10) <83-32			60.7	~~2000.~~	330.
605	184		2,4-DINITROPHENOL (G3#11) <				BDL	1700.
607	139		4-NITROPHENOL (G3#12) <100-			96.5	~~3200.~~	1700.
476	168		DIBENZOFURAN (G3#13) <132-6				BDL	330.
427	89		2,4-DINITROTOLUENE (G3#14)			37.5	~~1200.~~	330.
428	165		2,6-DINITROTOLUENE (G3#15)				BDL	330.
424	149		DIETHYL PHTHALATE (G3#16) <				BDL	330.
417	204		4-CHLOROPHENYL PHENYL ETHER				BDL	330.
432	166		FLUORENE (G3#18) <86-73-7>				BDL	330.
480	138		4-NITROANILINE (G3#19) <100				BDL	1700.
467	188	1	D10-PHENANTHRENE (IS#4)	917	170000.	40.0		
404	198		4,6-DINITRO-2-METHYLPHENOL				BDL	1700.
3	169		N-NITROSODIPHENYLAMINE (G4#				BDL	330.
414	248		4-BROMOPHENYL PHENYL ETHER				BDL	330.
433	284		HEXACHLOROBENZENE (G4#5) <1				BDL	330.
609	266		PENTACHLOROPHENOL (G4#6) <8			89.9	~~3000.~~	1700.
444	178		PHENANTHRENE (G4#7) <85-01-				BDL	330.
403	178		ANTHRACENE (G4#8) <120-12-7				BDL	330.

SEMI-VOLATILE - LOW LEVEL SOLID

#P #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
426	149		DI-N-BUTYL PHTHALATE (G4#9)				BDL	330.
431	202		FLUORANTHENE (G4#10) <206-4				BDL	330.
459	240	I	D12-CHRYSENE (IS#5)	1183	125000.	40.0		
445	202		PYRENE (G5#3) <129-00-0>			61.9	2000.	330.
415	149		BUTYLBENZYL PHTHALATE (G5#4				BDL	330.
423	252		3,3'-DICHLOROBENZIDINE (G5#				BDL	660.
405	228		BENZO(A)ANTHRACENE (G5#6) <				BDL	330.
413	149		BIS(2-ETHYLHEXYL) PHTHALATE			1.2	J	330.
418	228		CHRYSENE (G5#8) <218-01-9>				BDL	330.
497	264	I	D12-PERYLENE (IS#6)	1426	128000.	40.0		
429	149		DI-N-OCTYL PHTHALATE (G6#2)				BDL	330.
407	252		BENZO(B)FLUORANTHENE (G6#3)				BDL	330.
409	252		BENZO(K)FLUORANTHENE (G6#4)				BDL	330.
406	252		BENZO(A)PYRENE (G6#5) <50-3				BDL	330.
437	276		INDEND(1,2,3-C,D)PYRENE (G6				BDL	330.
419	278		DIBENZO(A,H)ANTHRACENE (G6#				BDL	330.
408	276		BENZO(G,H,I)PERYLENE (G6#8)				BDL	330.
619	112	S	2-FLUOROPHENOL (SS#1)			69.4	70.%	
612	99	S	D5-PHENOL (SS#2)			64.9	66.%	
447	82	S	D5-NITROBENZENE (SS#3)			32.4	66.%	
448	172	S	2-FLUOROBIPHENYL (SS#4)			33.5	68.%	
628	141	S	2,4,6-TRIBROMOPHENOL (SS#5)			45.4	46.%	
76	244	S	D14-TERPHENYL (SS#6)			30.2	61.%	
1	212	S	D10-PYRENE			29.0	59.%	
456	216		1,2,3,4-TETRACHLOROBENZENE				BDL	33.
CHECKSUMS:								
13647.	4237			5391	1016900.	1527.1	32836.	

SEMI-VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
72	619	2-FLUOROPHENOL (SS#1)	69.4	98.3	70.	26-121	X	
73	612	D5-PHENOL (SS#2)	64.9	98.3	66.	24-113	X	
74	447	D5-NITROBENZENE (SS#3)	32.4	49.2	66.	23-120	X	
75	445	2-FLUOROBIPHENYL (SS#4)	33.5	49.2	68.	30-115	X	
76	625	2,4,6-TRIBROMOPHENOL (SS#5)	45.4	98.3	46.	18-123	X	
77	496	D14-TERPHENYL (SS#6)	30.2	49.2	61.	18-137	X	
78	471	D10-PYRENE	29.0	49.2	59.	33-128*	X	

ok

* ADVISORY SURROGATE ONLY

++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

P F

INTERNAL STANDARD (#52) D10-PHENANTHRENE > 40000 CNTS ✓

CORRECTION FACTOR CALCULATION:

$$\frac{\text{FINAL EXTRACT VOLUME (ML)}}{\text{SPLIT FACTOR (*)}} \times \frac{30.0\text{G}}{\text{AMOUNT EXTRACTED(G)}} \times \text{DRY WEIGHT FACTOR} \times \text{GC/MS DILUTION FACTOR} \times 33.3 =$$

$$\frac{0.9\text{ML}}{0.885} \times \frac{30.0\text{G}}{30.58\text{G}} \times \frac{\cancel{1.0}\ 1.20}{1.0} \times \frac{1.0}{1.0} \times 33.3 = \cancel{33,200}\ 398$$

* SPLIT FACTOR = (295/300)(9/10) IF PEST/TCDD VOLUMES ARE INDICATED ON LOG
= 1 IF PEST/TCDD VOLUMES ARE NOT INDICATED ON EXTRACTION LOG

GUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000\text{ UL}}{\text{AMOUNT SURROGATE ADDED (UL)}} \times \frac{\text{FINAL EXTRACT VOL (ML)}}{\text{SPLIT FACTOR}} \times \text{GCMS DILUTION FACTOR} =$$

$$\frac{1000\text{ UL}}{500\text{ UL}} \times \frac{0.9\text{ML}}{0.885\text{ML}} \times \frac{1.0}{1.0} = 2.030$$

EXTRACTION WORKSHEET

Semi-Volatiles/Miscellaneous

ASSIGNED TO: Linda L.A.P.

DATE ASSIGNED 5-13-86

PAGE _____ OF _____

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) SV SCREEN	FINAL EXTRACT VOL. (MLS) SV B/N	FINAL EXTRACT VOL. (MLS) ACID	FINAL EXTRACT VOL. (MLS) PEST	ADJUSTED PH B/N	ADJUSTED PH A	DATE COMPT	COMMENTS
84992	-153	WBSwest	N/A	BS		30.00	1ml	—		—			5/13	
84993	-717	WBSwest		BS		30.00	—	0.9		1ml			5/13	
84994		WBSwest		SS	84994	30.58	—	0.9		1ml			5/13	2771-199
84995		WBSwest		SS	84994	30.32	—	0.9		1ml			5/13	
84986		WBSwest				30.89	1ml	0.9		1ml			5/13	
84990						30.24	1ml	0.9		1ml			5/13	
85000						30.41	1ml	0.9		1ml			5/13	
85001						30.82	1ml	0.9		1ml			5/13	
85002						30.45	1ml	0.9		1ml			5/13	
85003						30.85	1ml	0.9		1ml			5/13	

Blanks 85102 } on BF 9782 along w/other samples
85103 }

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393			395		
	AMT.	0.5ml			2.0ml		
	LOT	17794			17786		
SPIKE	NO.		3012	2021			
	AMT.		1ml	1.0ml			
	LOT		17654	17771			

MANUAL COUNTER 270/613

FINAL VOLUME VERIFIED L.A.P.

SUPERVISOR REVIEWED CK

EXTRACTS RECEIVED BY BD 5/13/86

final Lot # 209

Mailed 5/13/86

№ 1781

EXTRACTION WORKSHEET

Semi-Volatiles/Miscellaneous

ASSIGNED TO: [illegible signature]

DATE ASSIGNED 5-13-86

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL (MLS) SV SCREEN	SV / B/N	ACID	PEST	ADJUSTED PH B/N	ADJUSTED PH A	DATE COMPT	COMMENTS
85004	-717	UKSwest	NY			30.44	1ml	0.9		1.0 ml			5/13	
85005	↓	↓	↓			30.30	1ml	0.9		1.0 ml			5/13	
85102				B'		30.00	1ml	0.9		1.0 ml			5/13	
85103	↓			B²		30.00	1ml	0.9		1.0 ml			5/13	

Addn samples on [illegible] 9784 [initials]

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393			395		
	AMT.	0.5 ml			2.0 ml		
	LOT	7794			[illegible]		
SPIKE	NO.						
	AMT.						
	LOT						

MANUAL COUNTER 270/613

FINAL VOLUME VERIFIED [illegible initials]

SUPERVISOR REVIEWED [illegible initials]

EXTRACTS RECEIVED BY [illegible initials] 5/13/86

Acetone Lot # 309

[illegible signature] 5/13/86

Nº 92

Sample Number
F-SED1 MS

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: B4957
Sample matrix: solid
Data Release
Authorized By: _____

Case: DRS West
EC Report No: _____
Contract No:
Date Sample
Received: ~~5-15-86~~ 5-12-86

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed:
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 45%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.0	U	71-43-2	Benzene	5.0	U
67-64-1	Acetone	10.	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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.

Sample Number
MS F-SEDI

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Data Extracted/Prepared: 05/15/86
Data Analyzed: 05/16/86
Conc/Dil Factor: 1.75

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	14.	U
319-85-7	Beta - BHC	14.	U
319-86-8	Delta - BHC	14.	U
58-89-9	Gamma - BHC(Lindane)	14.	U
76-44-8	Heptachlor	14.	U
309-00-2	Aldrin	14.	U
1024-57-3	Heptachlor Epoxide	14.	U
959-98-8	Endosulfan I	14.	U
60-57-1	Dieldrin	28.	U
72-55-9	4-4' - DDE	28.	U
72-20-8	Endrin	28.	U
33213-65-9	Endosulfan II	28.	U
72-54-8	4-4' - DDD	28.	U
1031-07-8	Endosulfan Sulfate	28.	U
50-29-3	4-4' - DDT	28.	U
72-43-5	Methoxychlor	140	U
53494-70-5	Endrin Ketone	28	U
57-74-9	Chlordane	140	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor - 1016	140	U
11104-28-2	Aroclor - 1221	140	U
11141-16-5	Aroclor - 1232	140	U
53469-21-9	Aroclor - 1242	140	U
12672-29-6	Aroclor - 1248	140	U
11097-69-1	Aroclor - 1254	280	U
11096-82-5	Aroclor - 1260	280	U

Reanalyzed

V(i) = Volume of extract injected (ul)
V(e) = Volume of water extracted (ml)
W(e) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(e) _____ or W(e) 30.00 V(t) 2000.00 V(i) 5.0

Sample Number
MS F-6EDI

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 05/15/86
Data Analyzed: 05/21/86
Conc/Dil Factor: 1.75

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	14.	U
319-85-7	Beta - BHC	14.	U
319-86-8	Delta - BHC	14.	U
58-89-9	Gamma - BHC(Lindane)	14.	U
76-44-8	Heptachlor	14.	U
309-00-2	Aldrin	14.	U
1024-57-3	Heptachlor Epoxide	14.	U
959-98-8	Endosulfan I	14.	U
60-57-1	Dieldrin	28.	U
72-55-9	4-4' - DDE	28.	U
72-20-8	Endrin	28.	U
33213-65-9	Endosulfan II	28.	U
72-54-8	4-4' - DDD	28.	U
1031-07-8	Endosulfan Sulfate	28.	U
50-29-3	4-4' - DDT	28.	U
72-43-5	Methoxychlor	140	U
53494-70-5	Endrin Ketone	28	U
57-74-9	Chlordane	140	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor - 1016	140	U
11104-28-2	Aroclor - 1221	140	U
11141-16-5	Aroclor - 1232	140	U
53469-21-9	Aroclor - 1242	140	U
12672-29-6	Aroclor - 1248	2200	
11097-69-1	Aroclor - 1254	280	U
11096-82-5	Aroclor - 1260	280	U

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) 30.00 V(t) 2000.00 V(i) 1.0

QUALITY ASSURANCE NOTICE
sample # 84997_SS
case # URS West

The following qualifications should be noted when reporting and/or interpreting data for the pesticide fraction of this sample. These data qualifiers are used when special circumstances exist in the sample preparation or sample matrix which were beyond the laboratory's control.

[ ] no surrogate recovery data available due to a ____:1 dilution factor

[ ] no spike recovery data available due to a ____:1 dilution factor

[ ] no spike and/or surrogate recovery data available due to severe matrix interferences*

[ ] variations between duplicate samples or sample spikes have been attributed to the inhomogeneous nature of the soil matrix

[X] the following spike or surrogate compounds exhibited interferences which affected accurate quantitation;

Lindane (Gamma BHC) Aldrin Endrin
Heptachlor Dieldrin 4-4' DDT

[ ] additional data reviewer comments:

PCB 1248's at high concentrations are interfering with spiking compounds, making it impossible to quantify them

reviewer's initials DPM
date 5-22-86

*the presence of PCBs and related compounds often "mask" these standards and prevent accurate identification and quantitation

OAN2G
850125

Analysis Worksheet

CompuChem Number 84997 Case# URS WEST EPA# MS F-SEDI

Volume/weight extracted = 30.00 g Final Extract Volume = 2.00 ml Split = 10.0 Dry Weight Factor = 1.75

$$\text{Concentration} = \frac{\text{Sample Area} * \text{Standard Conc} * \text{Dilution} * \text{Split} * \text{Final Volume} * \text{Dry Weight Factor}}{\text{Standard Area} * \text{Volume or Weight of Sample}}$$

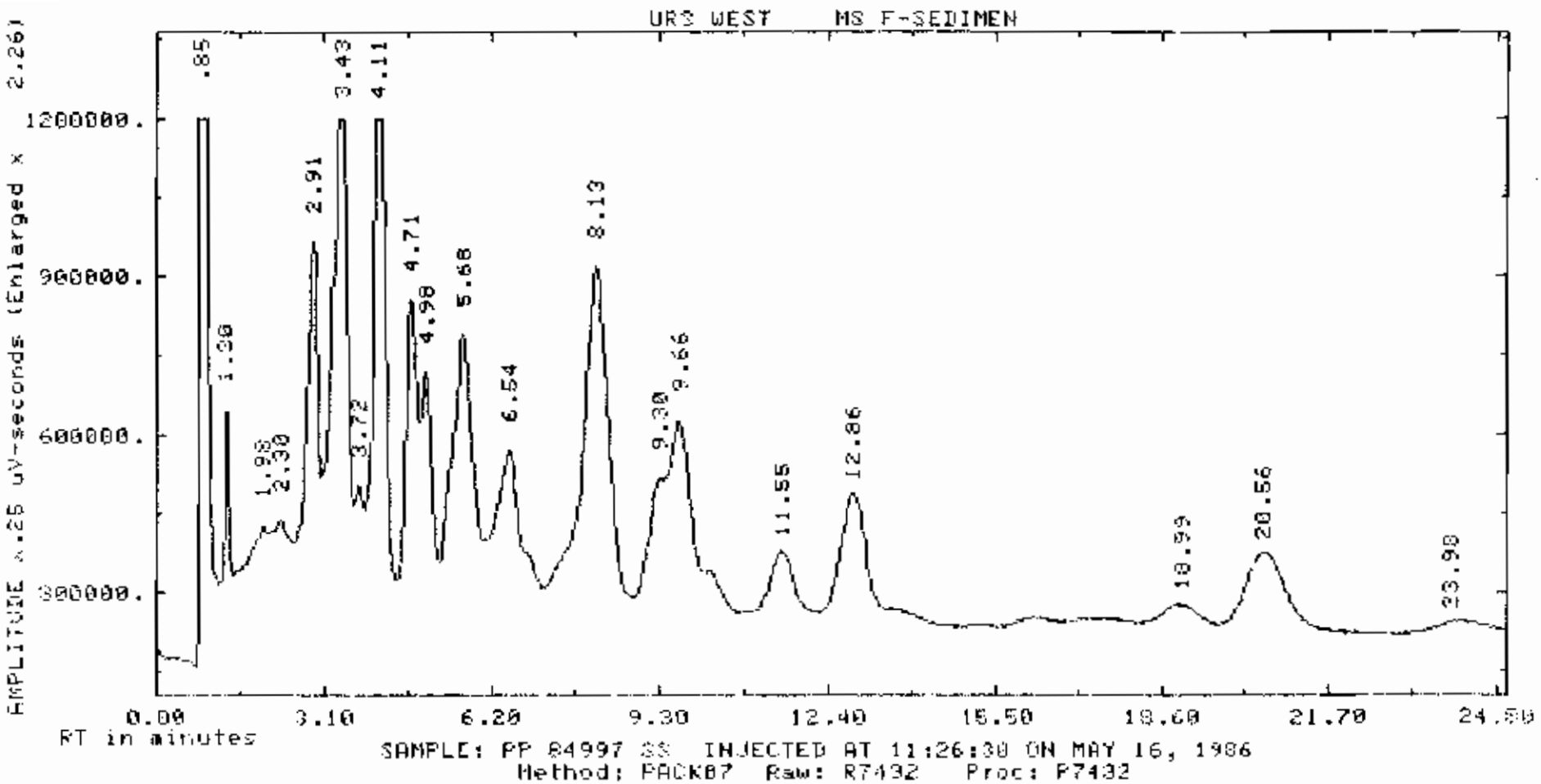
File : P7432 Column : 8IXEB Dilution Factor : 5.0 Detection Level Factor : 1.75

Aroclor - 1248	Standard RT window - 5.50 - 5.73		Sample RT -	5.68	Confirmation
	Standard Area - 1.01555E+07		Sample Area -	1.984E+07	
	Standard Conc(ug/ml) - 0.400		Sample Conc(ug/Kg) -	4559.48	

File : P3221 Column : DB-101 Dilution Factor : 5.0 Detection Level Factor : 1.75

Aroclor - 1248	Standard RT window - 5.30 - 5.52		Sample RT -	5.43	Primary/Reported DADS
	Standard Area -	257325	Sample Area -	244836	
	Standard Conc(ug/ml) -	0.400	Sample Conc(ug/Kg) -	2220.09	

Analyst Comments:


URS WEST MS F-SEDIMEN
AMPLITUDE x.25 uV-seconds (Enlarged x 2.26)
1200000.
900000.
600000.
300000.
.85
1.30
1.98
2.30
2.91
3.43
3.72
4.11
4.71
4.98
5.68
6.54
8.13
9.30
9.66
11.55
12.86
18.99
20.56
23.98
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: PP 84997 SS INJECTED AT 11:26:30 ON MAY 16, 1986
Method: PACK07 Raw: R7432 Proc: P7432

Report: 205.11 Channel: 7 URS WEST MS F-SEDIMEN

Sample: PP 84997 SS Injected at 11:26:30 ON MAY 16, 1986

ESTD Method: TEMP07 Seq: SEQ74 Subsq/Samp: 1/32 Btl. 32

Sl-width	HV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	10001	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dif-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

Actual run time: 25.008 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.85	0.00	.10000E+01	1314565.	BS	14.220	
1.30	0.00	.10000E+01	685812.	BB	7.419	
1.98	0.00	.10000E+01	110542.	BB	1.196	
2.30	0.00	.10000E+01	109955.	BB	1.189	
2.91	0.00	.10000E+01	2280090.	BB	24.664	
3.43	0.00	.10000E+01	6288466.	BB	68.024	
3.72	0.00	.10000E+01	114627.	BB	1.240	
4.11	0.00	.10000E+01	6080197.	BB	65.771	
4.71	0.00	.10000E+01	1649187.	BB	17.840	
4.98	0.00	.10000E+01	919332.	BB	9.945	
5.68	0.00	.10000E+01	4670228.	BB	50.519	
6.54	0.00	.10000E+01	2402616.	BB	25.990	
8.13	0.00	.10000E+01	9434072.	BB	102.050	
9.30	0.00	.10000E+01	21343.	BB	.231	
9.66	0.00	.10000E+01	1622282.	BB	17.548	
11.55	0.00	.10000E+01	1665178.	BB	18.013	
12.86	0.00	.10000E+01	3376986.	BB	36.530	
18.99	0.00	.10000E+01	12708.	BB	.137	
20.56	0.00	.10000E+01	3453270.	BB	37.355	
23.98	0.00	.10000E+01	11263.	BB	.122	

Total Area = 46222672. Total AREA % = 11263.500

Processed data file: P7432 Raw data file: R7432

REPORT: 205.41 CHANNEL: 7

AMPLE: PP 84997 SS INJECTED AT 11:26:30 ON MAY 16, 1986

ESTD METHOD: AR4874 SEQ: SEQ74 SUBSQ/SAMP: 1/ 32 BTL: 32

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH
.500	.300	0.00	10000	AUTO

SUP-UNK	DVT	ID-LVL	REF-RTW	XRTW	XDIL-F	I
YES	0.00	0	.300	5.000	500.00	NO

ACTUAL RUN TIME: 25.008 MINUTES

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		RATIO	NAME
1.30			34634583	**	212.931	+AR4874

TUTAL AREA = 46222671 * TOTAL RATIO = 57940631.2

SUMMED PEAK COMPONENTS

RT	ITM	FACTOR	AREA		RATIO	NAME
1.30	1.33	1.3824E- 5	685812	BB	47.404	+AR4874
2.30	2.32	6.4348E- 6	109955	BB	3.538	+AR4874
2.91	2.81	1.4265E- 6	2280090	BB	16.263	+AR4874
3.43	3.42	5.8435E- 7	6288466	BB	18.373	+AR4874
3.72	3.71	3.8555E- 6	114627	BB	2.210	+AR4874
4.11	4.10	3.6496E- 7	6080197	BB	11.095	+AR4874
4.71	4.72	8.8745E- 7	1649187	BB	7.318	+AR4874
4.98	5.01	1.3502E- 6	919332	BB	6.207	+AR4874
5.68	5.68*	2.1459E- 7	4670228	BB	5.011	#+AR4874
6.54	6.57	3.6753E- 7	2402616	BB	4.415	+AR4874
8.13	7.85	1.9312E- 6	9434072	BB	91.098	+AR4874

PROCESSED DATA FILE: Q7432 RAW DATA FILE: R7432

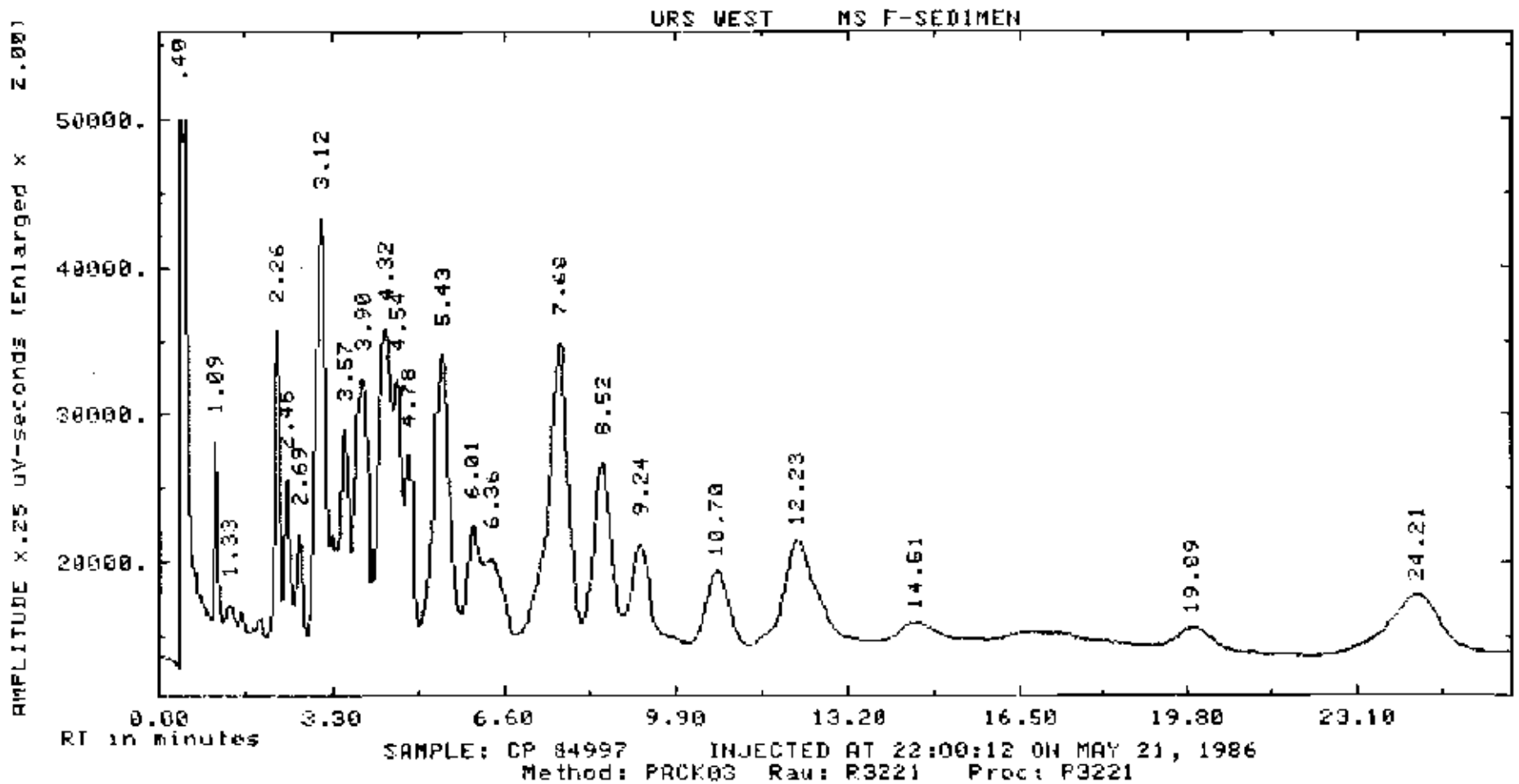
PASS 1
MEAN =20.792 STD DEV =26.6026 REL STD DEV =1.27946 N=10
SUM OF STANDARD AREAS =1.07456E+07 SUM OF SAMPLE AREAS =2.99644E+07

RT	ITM	AREA	RATIO	NAME
1.30319	1.32607	685812.	47.4043	+AR4874
2.29586	2.3194	109955.	3.53767	+AR4874
2.91001	2.81047	2.28009E+06	16.2627	+AR4874
3.42746	3.41792	6.28847E+06	18.3733	+AR4874
3.72351	3.70646	114627.	2.20973	+AR4874
4.1095	4.10064	6.08020E+06	11.0951	+AR4874
4.71336	4.72368	1.64919E+06	7.31782	+AR4874
4.97971	5.00655	919332.	6.20653	+AR4874
6.53924	6.56875	2.40262E+06	4.41515	+AR4874

PASS 2
MEAN =12.9803 STD DEV =13.2703 REL STD DEV =1.02234 N=9
SUM OF STANDARD AREAS =1.02278E+07 SUM OF SAMPLE AREAS =2.05303E+07

RT	ITM	AREA	RATIO	NAME
2.29586	2.3194	109955.	3.53767	+AR4874
2.91001	2.81047	2.28009E+06	16.2627	+AR4874
3.42746	3.41792	6.28847E+06	18.3733	+AR4874
3.72351	3.70646	114627.	2.20973	+AR4874
4.1095	4.10064	6.08020E+06	11.0951	+AR4874
4.71336	4.72368	1.64919E+06	7.31782	+AR4874
4.97971	5.00655	919332.	6.20653	+AR4874
6.53924	6.56875	2.40262E+06	4.41515	+AR4874

PASS 3
MEAN =8.67725 STD DEV =5.60981 REL STD DEV =.646497 N=8
SUM OF STANDARD AREAS =1.01555E+07 SUM OF SAMPLE AREAS =1.98445E+07


URS WEST MS F-SEDIMEN
AMPLITUDE X.25 uV-seconds (Enlarged x 2.00)
50000.
40000.
30000.
20000.
.49
1.09
1.33
2.26
2.46
2.69
3.12
3.57
3.90
4.32
4.54
4.78
5.43
6.01
6.36
7.48
8.52
9.24
10.78
12.23
14.61
19.09
24.21
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: CP 84997 INJECTED AT 22:00:12 ON MAY 21, 1986
Method: PRCK03 Rau: R3221 Proc: P3221

Report: 377.00 Channel: 3 URS WEST MS F-SEDIMEN

Sample: CP 84997 Injected at 22:00:12 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/21 Btl: 21

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	75524.	BB	23.660	
1.09	0.00	.10000E+01	23312.	BB	7.303	
1.33	0.00	.10000E+01	5252.	BB	1.645	
2.26	0.00	.10000E+01	52870.	BB	16.563	
2.46	0.00	.10000E+01	24202.	BB	7.582	
2.69	0.00	.10000E+01	16144.	BB	5.058	
3.12	0.00	.10000E+01	138676.	BB	43.444	
3.57	0.00	.10000E+01	28981.	BB	9.079	
3.90	0.00	.10000E+01	89665.	BB	28.090	
4.32	0.00	.10000E+01	59990.	BB	18.793	
4.54	0.00	.10000E+01	14498.	BB	4.542	
4.78	0.00	.10000E+01	23019.	BB	7.211	
5.43	0.00	.10000E+01	168091.	BB	52.659	
6.01	0.00	.10000E+01	25871.	BB	8.105	
6.36	0.00	.10000E+01	14466.	BB	4.532	
7.68	0.00	.10000E+01	263624.	BB	82.588	
8.52	0.00	.10000E+01	104716.	BB	32.805	
9.24	0.00	.10000E+01	52665.	BB	16.499	
10.70	0.00	.10000E+01	71881.	BB	22.519	
12.23	0.00	.10000E+01	148463.	BB	46.510	
14.51	0.00	.10000E+01	26373.	BB	8.262	
19.89	0.00	.10000E+01	28495.	BB	8.927	
24.21	0.00	.10000E+01	139247.	BF	43.623	

Total Area = 1596025. Total AREA % = 139246.750

Processed data file: P3221 Raw data file: R3221

REPORT: 377.21 CHANNEL: 3

MPLE: CP 84997 INJECTED AT 22:00:12 ON MAY 21, 1986

ESTD METHOD: AR4832 SEQ: SEQ32 SUBSQ/SAMP: 1/ 21 BTL: 21

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH
.500	.300	0.00	5000	AUTO

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	I
YES	0.00	0	.300	5.000	500.00	NO

ACTUAL RUN TIME: 26.008 MINUTES

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		RATIO	NAME
2.46			815227	**	116.370	+AR4832

TOTAL AREA = 1596025 * TOTAL RATIO = 3904103.44

SUMMED PEAK COMPONENTS

RT	ITM	FACTOR	AREA		RATIO	NAME
2.46	2.45	4.0832E- 5	24202	BB	4.941	+AR4832
2.69	2.71	6.6164E- 5	16144	BB	5.341	+AR4832
3.12	3.12	1.8742E- 5	138676	BB	12.995	+AR4832
3.90	3.88	1.3411E- 5	89665	BB	6.013	+AR4832
4.32	4.30	2.3091E- 5	59990	BB	6.926	+AR4832
4.54	4.56	2.4427E- 5	14498	BB	1.771	+AR4832
5.43	5.43*	5.7802E- 6	168091	BB	4.858	*+AR4832
6.01	6.02	2.0040E- 5	25871	BB	2.592	+AR4832
6.36	6.38	1.1097E- 4	14466	BB	8.027	+AR4832
7.68	7.80	4.7724E- 5	263624	BB	62.906	+AR4832

PROCESSED DATA FILE: P3221 RAW DATA FILE: R3221

PASS 1
MEAN =12.3902 STD DEV =18.1221 REL STD DEV =1.46262 N=9
SUM OF STANDARD AREAS =331635. SUM OF SAMPLE AREAS =647136.

RT	ITM	AREA	RATIO	NAME
2.45532	2.45228	24202.4	4.94122	+AR4832
2.68974	2.70504	16144.4	5.34087	+AR4832
3.11553	3.12268	138676.	12.9954	+AR4832
3.89928	3.87911	89664.8	6.01268	+AR4832
4.32325	4.29503	59989.7	6.92606	+AR4832
4.54373	4.56474	14497.6	1.77065	+AR4832
6.00762	6.01753	25871.1	2.59224	+AR4832
6.36235	6.37536	14465.9	8.02677	+AR4832

PASS 2
MEAN =6.07573 STD DEV =3.25789 REL STD DEV =.536213 N=8
SUM OF STANDARD AREAS =310681. SUM OF SAMPLE AREAS =383512.

RT	ITM	AREA	RATIO	NAME
2.45532	2.45228	24202.4	4.94122	+AR4832
2.68974	2.70504	16144.4	5.34087	+AR4832
3.89928	3.87911	89664.8	6.01268	+AR4832
4.32325	4.29503	59989.7	6.92606	+AR4832
4.54373	4.56474	14497.6	1.77065	+AR4832
6.00762	6.01753	25871.1	2.59224	+AR4832
6.36235	6.37536	14465.9	8.02677	+AR4832

PASS 3
MEAN =5.08721 STD DEV =2.07671 REL STD DEV =.408221 N=7
SUM OF STANDARD AREAS =257325. SUM OF SAMPLE AREAS =244836.

DONE

LAB INSTRUCTIONS:

PESTICIDE
WORKSHEET

LOW LEVEL SOLID

QC

CASE # URS WESTDATE DUE 6/10/86
COMPUCHEM # 84997
Sample Prep Code---716
Instrument Code----124
Compound List------177
Surrogate Std------396

SAS: ID#: 55 ~~2697488~~

Dry Weight Factor 1.75

Blank Associated with Case _____ _____ _____ _____

Associated Blank _____

EXTRACTION INFORMATION: CALC Used? yes |___|

Wt. of sample 30 g final volume of extract 2.0 mls

portion of wt. in pesticide 1|10 .

ANALYSIS INFORMATION:

COMMENTS

|___| Send to QA

|___| QA Approved

|___| Need QC/MS Confirmation

Date	Inst. # / Sequence	Dil. Fact.	
5-16	7	7#	5
5-21	3	32	5
___	___	___	___

HADLED
PCB 1242,
1248

Analyst G24/899 Date 5-22-86

SURROGATE INFORMATION DIBUTYL CHLORENDATE

AREA IN SAMPLE 3453 X Dilution Factor 5 X 100 = 95 % Recovery
AREA IN STD 18084
% Recovery X 0.1 ug/ml = .095 ug/ml

+EA = re-extract acceptable
JA = reinject acceptable
QA = repeat confirmed original results
OK = original data accepteble (not for REPEATS)
NS = insufficient sample for repeat
DL = DBC low ((20% Recovery)
DA = Dilution Acceptable
BF = Blank Requires Florisil
CT = Contamination Suspected

IF DATA FAILS, INSERT CONDITION CODE FROM REPEAT REQUEST FORM IN BOX.

FINAL STATUS CODE+= | OK |

IP MULTIPLE PACKAGES EXIST, REPORT THIS DATA:_____

|___| GANA |___| GAN3 OA notice included.

SAMPLE DISPOSITION Code

|___| Complete.....

|___| Requires Re-extraction.. 716

|___| Requires reprep..... 930

|___| Requires cleanup..... 901

Audited By_____ Date_____

COMPOUND LIST NO. - 177

COMPUCHEM # 84997 DATE

IDENTIFIER PESTICIDES (LOW LEVEL SOLID)

DIL FACT_____DRY WT_____ _30__SPLIT_____FINAL VOL_____/5 = 1.75 / 60

AMT SAMPLE_____ CORRECTION FACTOR

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULTS	DETECTION LIMIT (ug/kg)
1.	0701	ALDRIN	144	8.0
2.	0702	ALPHA-BHC		8.0
3.	0703	BETA-BHC		8.0
4.	0704	GAMMA-BHC	40	8.0
5.	0705	DELTA-BHC		8.0
6.	0706	TECHNICAL CHLORDANE		80.0
7.	0707	4,4'-DDT	160	16.0
8.	0708	4,4'-DDE		16.0
9.	0709	4,4'-DDD		16.0
10.	0710	DIELDRIN	230	16.0
11.	0711	ENDOSULFAN I		8.0
12.	0712	ENDOSULFAN II		16.0
13.	0713	ENDOSULFAN SULFATE		16.0
14.	0714	ENDRIN	47	16.0
15.	0739	ENDRIN KETONE		16.0
16.	0716	HEPTACHLOR	156	8.0
17.	0717	HEPTACHLOR EPOXIDE		8.0
18.	0726	METHOXYCHLOR		80.0
19.	0724	AROCHLOR 1016		80.0
20.	0720	AROCHLOR 1221		80.0
21.	0721	AROCHLOR 1232		80.0
22.	0718	AROCHLOR 1242		80.0
23.	0722	AROCHLOR 1248	2200	80.0
24.	0719	AROCHLOR 1254		160.0
25.	0723	AROCHLOR 1260		160.0
26.	0725	TOXAPHENE		160.0

ANALYST'S COMMENTS:

5/22

EXTRACTION WORKSHEET
LOW LEVEL PESTICIDE S/S/S

ASSIGNED TO Owen

DATE ASSIGNED/ POSTED 5/15/86

CASE # UPS Wat; 5898-3 (21 day Turnaround)

-716

QUEUE # 46

	SAMPLE NUMBER	EPA ID #	QC TYPE	SAMPLE ORIG #	SAMPLE WEIGHT	SPLIT VOLUME SV	SPLIT VOLUME PEST.	ALUMINA START VOL.	FINAL VOL. 2x1mL (0.5)	COMP. DATE	COMMENTS
1	84996		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5-15-86	
2	84997		SS	85002	30.0	9.0	1.0	1.0	2.0	5-15	use 84986, 90, 85000, 01-05 for QC.
3	84998		SS	85002	30.0	9.0	1.0	1.0	2.0	5-15	F-SEDIMENT
4											
5	85168		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5-15-86	
6	85169		SS	85167	30.0	9.0	1.0	1.0	2.0	5-15	use 85156, 58, 60, 67, 72, 73 for QC
7	85170		SS	85167	30.0	9.0	1.0	1.0	2.0	5-15	BF 149
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	85258		BLANK		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5-15-86	
22	85259		BLANK		30.0	9.0	1.0	1.0	2.0	5-15	

	#	AMOUNT	LOT #
SURROGATE	395	2.0 ML	17686
SPIKE	4016	400 UL	17995

CHECKED AND VERIFIED _____ (GC LAB)

CASE DONE JDV (GC LAB) 05/15/86

AUTO. COUNTER 269/488:489

MANUAL COUNTER 268/494

-716 ALUMINA BATCH # 5-13-86-AL

POSTED 5-15-86 05

5/14/5

E. MATRIX SPIKE DUPLICATE DATA

1. Tabulated results (Form I) of non-spiked compounds
   — Form 1, Part B not required.

2. Raw Data — in order: VOA, BNA, Pesticide

   a. Reconstructed ion chromatogram(s) and quantitation report(s) or legible facsimile (GC/MS)

      — Spectra *not* required

   b. Chromatogram(s) and data system printout(s) (GC)
      1. Both primary and confirmation column data is required.

   c. Work Sheets

      - Analysis
      - Extraction
      - Compound Liste
      - Miscellaneous Calculation Sheets

      — Worksheets for each type of fraction are included. There are extraction worksheets, describing which samples are processed in a batch, and listing the associated method blank, date, analyst, standards used, and conditions. Analysis worksheets are used at the instrument station to denote condition of extracts, file names, standards used, dilutions, etc. Compound lists are the within-lab reporting forms used by the analyst to record hits and perform calculations to determine concentrations of compounds. Data is transferred from compound lists to EPA forms (OADS).

d. Screening chromatograms(s) and GPC chromatogram(s) — if applicable

Sample Number
A SEDIMENT MSD

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: 82A64991A19
Sample matrix: solid
Data Release
Authorized By: ____GP____

Case:
QC Report No: URS WEST
Contract No:
Date Sample
Received: 5-12-86

Volatile Compounds

Concentration: low
Date extracted/prepared: 5-20-86
Date analyzed: 5-20-86
Conc/Dil Factor: 2.13 pH: N/A
Percent moisture (not decanted): 55%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	21.	U	10061-02-6	trans-1,3-Dichloropropene	11.	U
74-83-9	Bromomethane	21.	U	79-01-6	Trichloroethene	11.	U
75-01-4	Vinyl Chloride	21.	U	124-48-1	Dibromochloromethane	11.	U
75-00-3	Chloroethane	21.	U	79-00-5	1,1,2-Trichloroethane	11.	U
75-09-2	Methylene Chloride	17.	B	71-43-2	Benzene	11.	U
67-64-1	Acetone	16.	JB	10061-01-5	cis-1,3-Dichloropropene	11.	U
75-15-0	Carbon Disulfide	11.	U	110-75-8	2-Chloroethyl Vinyl Ether	21.	U
75-35-4	1,1-Dichloroethene	11.	U	75-25-2	Bromoform	11.	U
75-34-3	1,1-Dichloroethane	11.	U	108-10-1	4-Methyl-2-pentanone	21.	U
156-60-5	trans-1,2-Dichloroethene	11.	U	591-78-6	2-Hexanone	21.	U
67-66-3	Chloroform	11.	U	127-18-4	Tetrachloroethene	11.	U
107-06-2	1,2-Dichloroethane	11.	U	79-34-5	1,1,2,2-Tetrachloroethane	11.	U
78-93-3	2-Butanone	21.	U	108-88-3	Toluene	11.	U
71-55-6	1,1,1-Trichloroethane	11.	U	108-90-7	Chlorobenzene	11.	U
56-23-5	Carbon Tetrachloride	11.	U	100-41-4	Ethyl Benzene	11.	U
108-05-4	Vinyl Acetate	21.	U	100-42-5	Styrene	11.	U
75-27-4	Bromodichloromethane	11.	U		Total Xylenes	11.	U
78-87-5	1,2-Dichloropropane	11.	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: CompuChem Laboratories

Case No: URS West

Sample Number: A-SEDIMENT

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 VOLATILE COMPOUNDS FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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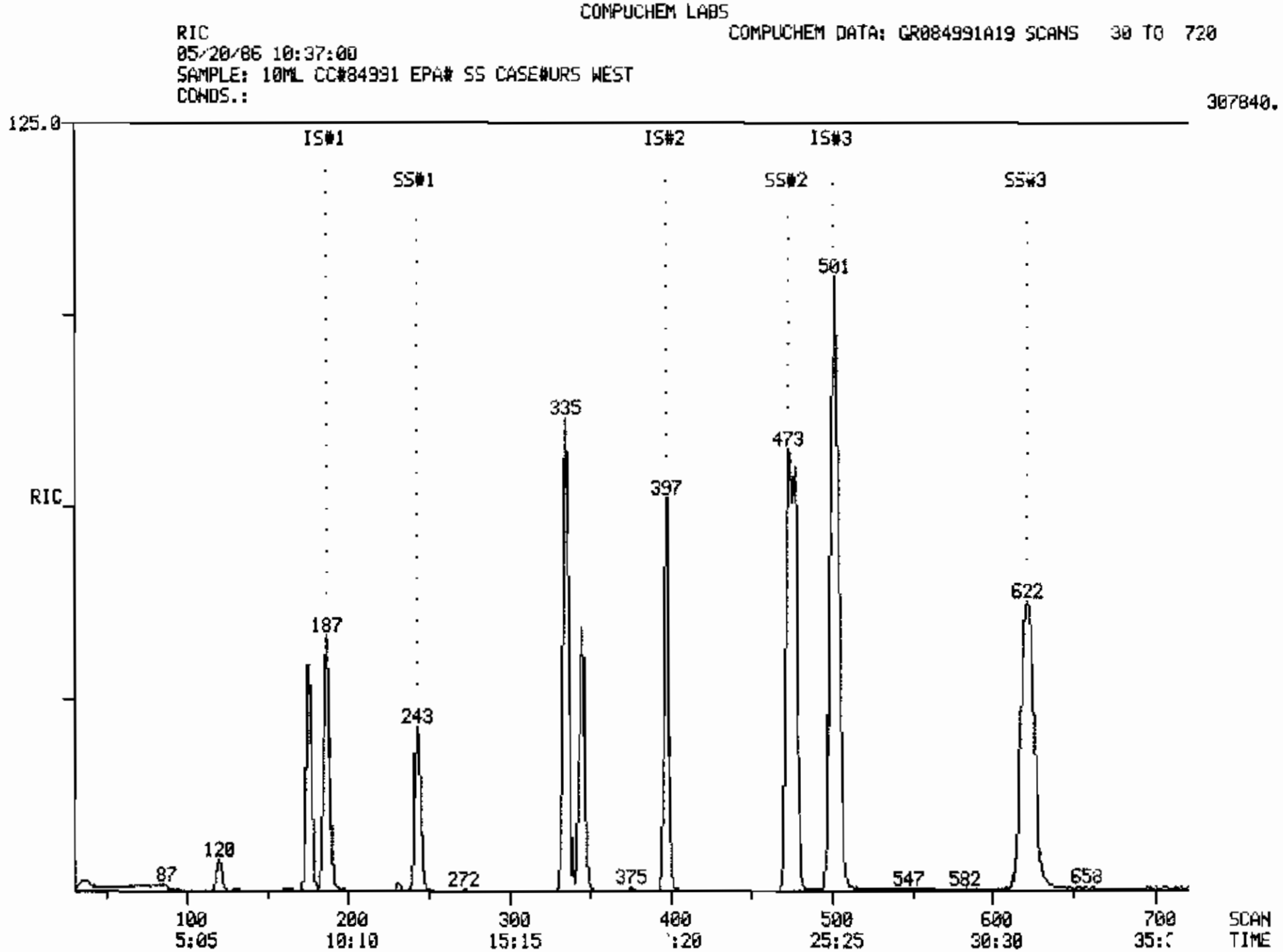
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
COMPUCHEM DATA: GR084991A19 SCANS 30 TO 720
05/20/86 10:37:00
SAMPLE: 10ML CC#84991 EPA# SS CASE#URS WEST
CONDS.:
307840.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
501
335
473
397
622
187
243
120
87
272
375
547
582
658
RIC
100
5:05
200
10:10
300
15:15
400
:20
500
25:25
600
30:30
700
35:
SCAN
TIME

INTERNAL STANDARD AREA MONITOR

METHOD: E238 FILENAME: GR084991A19 DATE: 05/20/86
SHIFT STD: GU860520C19 TIME: 10:37

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1	63391.	82166.	-23.	PASS
*248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1	274081.	348304.	-21.	PASS
*270 D5-CHLOROBENZENE (IS)	261988.	329671.	-21.	PASS

```
QUANTITATION REPORT    FILE: GR084991A19

DATA: GR084991A19.TI
?5/20/86 10:37:00
 AMPLE: 10ML CC#S4991 EPA# SS CASE#URS WEST
CONDS. :
SUBMITTED BY: 19              ANALYST: 819

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

 NO  NAME
  1  *234 BROMOCHLOROMETHANE (IS) <75-97-5> E5#1
  2   221 CHLOROMETHANE <75-01-4> E5#2
  3   220 BROMOMETHANE <78-83-9> E5#3
  4   231 VINYL CHLORIDE <75-01-4> E5#4
  5   209 CHLOROETHANE <75-00-3> E5#5
  6   222 METHYLENE CHLORIDE <75-09-2> E5#6
  7   252 ACETONE (2-PROPANONE) <67-64-1> E5#7
  8   254 CARBON DISULFIDE <75-15-0> E5#8
  9   216 1,1-DICHLOROETHYLENE <75-35-4> E5#9
 10   214 1,1-DICHLOROETHANE <75-34-3> E5#10
 11   226 TRANS-1,2-DICHLOROETHYLENE <156-60-5> E5#11
 12   211 CHLOROFORM <67-66-3> E5#12
 13   215 1,2-DICHLOROETHANE <107-06-2> E5#13
 14  *248 1,4-DIFLUOROBENZENE (IS) <540-36-3> E6#1
 15   253 2-BUTANONE <78-93-3> E6#2
 16   227 1,1,1-TRICHLOROETHANE <71-55-6> E6#3
 17   206 CARBON TETRACHLORIDE <56-23-5>
 18   257 VINYL ACETATE <108-05-4> E6#5
 19   212 BROMODICHLOROMETHANE <75-27-4> E6#6
 20   217 1,2-DICHLOROPROPANE <78-87-5> E6#7
 21   250 TRANS-1,3-DICHLOROPROPENE <10061-02-6> E6#8
 22   229 TRICHLOROETHYLENE <79-01-6> E6#9
 23   208 CHLORODIBROMOMETHANE <124-48-1> E6#10
 24   228 1,1,2-TRICHLOROETHANE <79-00-5> E6#11
 25   203 BENZENE <71-43-2> E6#12
 26   218 CIS-1,3-DICHLOROPROPENE <10061-01-5> E6#13
 27   210 2-CHLOROETHYL VINYL ETHER <110-75-8> E6#14
 28   205 BROHOFORM <75-25-2> E6#15
 29  *270 D5-CHLOROBENZENE (IS)
 30   256 4-METHYL-2-PENTANONE <108-10-1> E7#2
 31   255 2-HEXANONE <591-78-6> E7#3
 32   224 TETRACHLOROETHENE <127-18-4> E7#4
 33   223 1,1,2,2-TETRACHLOROETHANE <79-34-5> E7#5
 34   225 TOLUENE <108-88-3> E7#6
 35   207 CHLOROBENZENE <108-90-7> E7#7
 36   219 ETHYLBENZENE <100-41-4> E7#8
 37   251 STYRENE <100-42-5> E7#9
 38   240 M-XYLENE E7#10
 39   271 O,P-XYLENE E7#11
 40  #258 D4-1,2-DICHLDROETHANE E8#2
 41  #247 BROMOFLUOROBENZENE <460-00-4> E8#3
 42  #233 D8-TOLUENE E8#4

 NO  M/E  SCAN   TIME  REF   RRT  METM     AREA(HGHT)  AMOUNT          %TOT
  1  128   187   9:30   1  1.000  A BB       63391.    50.000 UG/KG    8.31
  2   50  NOT FOUND
```

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	120	6:06	1	0.642	A BB	12665.	8.234	UG/KG	1.37
7	43	131	6:40	1	0.701	A BB	3022.	7.541	UG/KG	1.25
8	76	NOT FOUND								
9	96	176	8:57	1	0.941	A BV	76746.	64.575	UG/KG	10.73
10	63	NOT FOUND								
11	96	NOT FOUND								
12	83	231	11:45	1	1.235	A BB	4799.	1.534	UG/KG	D.25
13	62	NOT FOUND								
14	114	397	20:11	14	1.000	A BV	274D81.	50.000	UG/KG	8.31
15	72	NOT FOUND								
16	97	NOT FOUND								
17	117	NOT FOUND								
18	43	NOT FOUND								
19	83	NOT FOUND								
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	335	17:02	14	0.844	A BV	125684.	57.896	UG/KG	9.62
23	129	NOT FOUND								
24	97	NOT FOUND								
25	78	345	17:32	14	0.869	A BB	173170.	55.548	UG/KG	9.23
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUNO								
29	117	500	25:25	29	1.000	A BV	261988.	50.000	UG/KG	8.31
30	43	NOT FOUND								
31	43	NOT FOUND								
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	477	24:15	29	0.954	A BB	155553.	56.381	UG/KG	9.37
35	112	503	25:34	29	1.006	A BV	249528.	58.964	UG/KG	9.80
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	243	12:21	1	1.299	A BV	87763.	43.400	UG/KG	7.21
41	95	622	31:37	29	1.244	A BB	222890.	47.723	UG/KG	7.93
42	98	473	24:03	1	2.529	A BV	253149.	50.042	UG/KG	8.32

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:36	0.99	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.596	
3	2:32		10.000			50.00		1.298	
4	3:15		10.000			50.00		D.867	
5	4:10		10.000			50.00		0.451	
6	6:18	0.97	5.000	0.13	8.23	50.00	0.200	1.213	0.16
7	6:52	0.97	10.000	0.07	7.54	50.00	0.048	0.316	0.15
8	7:50		5.000			50.00		2.063	
9	9:D6	0.98	5.000	0.19	64.57	50.00	1.211	0.937	1.29
10	1D:28		5.000			50.00		1.353	
11	11:11		5.000			50.00		1.042	
12	11:51	0.99	5.000	0.25	1.53	50.00	0.076	2.468	0.03
13	12:33		5.DDO			5D.00		1.441	
14	20:14	1.DD	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	12:24		10.000			50.00		0.025	
16	13:56		5.000			50.00		0.512	
17	14:20		5.000			50.00		0.563	
18	14:26		10.000			50.00		0.201	
19	14:54		5.000			50.00		0.512	
20	16:16		5.000			50.00		0.213	
21	16:31		5.000			50.00		0.326	
22	17:05	1.00	5.000	0.17	57.90	50.00	0.459	0.396	1.16
23	17:47		5.000			50.00		0.463	
24	17:54		5.000			50.00		0.285	
25	17:35	1.00	5.000	0.17	55.55	50.00	0.632	0.569	1.11
26	17:51		5.000			50.00		0.214	
27	18:58		10.000			50.00		0.118	
28	20:35		5.000			50.00		0.315	
29	25:25	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:00		10.000			50.00		0.207	
31	22:37		10.000			50.00		0.162	
32	22:56		5.000			50.00		0.419	
33	22:59		5.000			50.00		0.497	
34	24:15	1.00	5.000	0.19	56.38	50.00	0.594	0.527	1.13
35	25:34	1.00	5.000	0.20	58.96	50.00	0.952	0.808	1.18
36	28:07		5.000			50.00		0.410	
37	33:39		5.000			50.00		0.803	
38	34:07		5.000			50.00		0.529	
39	35:29		5.000			100.00		0.514	
40	12:27	0.99	10.000	0.13	43.40	50.00	1.384	1.595	0.87
41	31:40	1.00	10.000	0.12	47.72	50.00	0.851	0.891	0.95
42	24:03	1.00	10.000	0.25	50.04	50.00	3.993	3.990	1.00

QC

VOA GC/MS WORKSHEET

CASE# URS WEST DUE DATE ____/____/____

COMPUCHEM# 84991 R

R __ R2 __ D __ [:1]
R3 __ R4 __ D2 __ [:1]

OW LEVEL SOLID
eliverable Code 069

Sample Prep Code -155
Instrument Code 257
Compound List 146
Surrogate Std 394
Internal Std 036

AS ____ EPA# 55 Dry Weight Factor 2.17

C/MS ANALYSIS
Amount Purged: X 10mls/Kg soil or __ Dilution ____ ul/10000ul/Kg soil
Internal Standard Volume Added 5 ul
Surrogate Standard Volume Added 5 ul
BFB Filename BF860520C19 Disk[3017]
Blank Filename GB860520C19 Disk[ ]
Standard Filename GU860520C19 Disk[ ]
Sample Filename GR084991A19 Disk[ ]

ANALYST(S): Injection 819 Work-up 819

C/MS REVIEW

CONDITION CODE: BA

Entry Codes OK,EA,ES,SM,JS,SL,SH,JA,DA

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,NR
IF,LA,DI,CO,RH,DW,SI,SF
UP,BB,OT,VC,FO,NS

Disposition: ✓ Complete
____ Reprep next required
____ Reprep using ____
____ Dilute (:1)

Extraneous Peak Search Results:
# of Peaks Found: 0

Quality Assurance Notice(s):
Notices Required ____

OMMENTS:

C/MS Review DAB Date 5/21/86 Auditor ____ Date __/__/__

EPORT INTEGRATION Total # of Injections: 2
Final Reportable Package(s): GR084991A19 /

A COMMENTS

Initials ____ Date __/__/__

INAL REVIEW Initials ____ Date __/__/__

WH 5/27

MCWORKS5 (9/84)

COMPUCHEM # 084991 FILE: GR084991A19 COMPOUND LIST 146 PAGE 1
VOLATILE - LOW LEVEL SOLID

IP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)		DETECT. LIMIT (UG/KG)
234	128	I	BROMOCHLOROMETHANE (IS) <75	187	63400.	50.0			
221	50		CHLOROMETHANE <75-01-4> E5#				BDL		21.
220	94		BROMOMETHANE <78-83-9> E5#3				BDL		21.
231	62		VINYL CHLORIDE <75-01-4> E5				BDL		21.
209	64		CHLOROETHANE <75-00-3> E5#5				BDL		21.
222	84		METHYLENE CHLORIDE <75-09-2			* 8.2	17.	B	11.
252	43		ACETONE (2-PROPANONE) <67-6			* 7.5	J	B	21.
254	76		CARBON DISULFIDE <75-15-0>				BDL		11.
216	96		1,1-DICHLOROETHYLENE <75-35			64.6	140.		11.
214	63		1,1-DICHLOROETHANE <75-34-3				BDL		11.
226	96		TRANS-1,2-DICHLOROETHYLENE				BDL		11.
211	83		CHLOROFORM <67-66-3> E5#12			~~1.5~~	BDL		11.
215	62		1,2-DICHLOROETHANE <107-06-				BDL		11.
248	114	I	1,4-DIFLUOROBENZENE (IS) <5	397	274000.	50.0			
253	72		2-BUTANONE <78-93-3> E6#2				BDL		21.
227	97		1,1,1-TRICHLOROETHANE <71-5				BDL		11.
206	117		CARBON TETRACHLORIDE <56-23				BDL		11.
257	43		VINYL ACETATE <108-05-4> E6				BDL		21.
212	83		BROMODICHLOROMETHANE <75-27				BDL		11.
217	63		1,2-DICHLOROPROPANE <78-87-				BDL		11.
250	75		TRANS-1,3-DICHLOROPROPENE <				BDL		11.
229	130		TRICHLOROETHYLENE <79-01-6>			57.9	120.		11.
208	129		CHLORODIBROMOMETHANE <124-4				BDL		11.
8	97		1,1,2-TRICHLOROETHANE <79-0				BDL		11.
203	78		BENZENE <71-43-2> E6#12			55.5	120.		11.
218	75		CIS-1,3-DICHLOROPROPENE <10				BDL		11.
210	63		2-CHLOROETHYL VINYL ETHER <				BDL		21.
205	173		BROMOFORM <75-25-2> E6#15				BDL		11.
270	117	I	D5-CHLOROBENZENE (IS)	500	262000.	50.0			
256	43		4-METHYL-2-PENTANONE <108-1				BDL		21.
255	43		2-HEXANONE <591-78-6> E7#3				BDL		21.
224	164		TETRACHLOROETHENE <127-18-4				BDL		11.
223	83		1,1,2,2-TETRACHLOROETHANE <				BDL		11.
225	92		TOLUENE <108-88-3> E7#6			56.4	120.		11.
207	112		CHLOROBENZENE <108-90-7> E7			59.0	120.		11.
219	106		ETHYLBENZENE <100-41-4> E7#				BDL		11.
251	104		STYRENE <100-42-5> E7#9				BDL		11.
240	106		M-XYLENE E7#10				BDL		11.
271	106		O,P-XYLENE E7#11				BDL		11.
258	65	S	D4-1,2-DICHLOROETHANE E8#2			43.4	87.	%	
247	95	S	BROMOFLUOROBENZENE <460-00-			47.7	95.	%	
233	98	S	D8-TOLUENE E10#4			50.0	100.	%	
CHECKSUMS:									
3255.	1335			1084	599400.	601.7	919.		

VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
40	258	D4-1,2-DICHLOROETHANE E8#2	43.4	50.0	87.	70-121	X	
41	247	BROMOFLUOROBENZENE <46D-00-	47.7	50.0	95.	74-121	X	
42	233	DB-TOLUENE E8#4	50.0	50.0	100.	81-117	X	

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

	P	F
INTERNAL STANDARD (#1) BROMOCHLOROMETHANE > 10000 COUNTS	✓	

CORRECTION FACTOR CALCULATION:

$$\frac{5.0\ G}{\text{WET WEIGHT OF SAMPLE (G)}} \times \text{GC/MS DILUTION FACTOR} \times \text{DRY WEIGHT FACTOR} =$$

$$\frac{5.0\ G}{5.10\ (G)} \times \frac{1.0}{} \times \frac{2.2}{} = 2.130$$

GUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

THE SURROGATES ARE ADDED TO THE SAMPLE PRIOR TO SPARGING.
SURROGATE SPIKE CONVERSION FACTOR = 1.

(19)

VOLATILE PREP WORKSHEET

No 1192

ASSIGNED TO Pat

DATE 5.19.86

Sample Number	Prep Code	Case No.	QC Sample Type	QC Sample Original	Sample Weight (g) Volume (ml)	Date Comp.	Screens LIQ	Screens S	Screens L	Screens M	Comments
84991R	-155	VBS	SS	84986	5.10g	5.19.86					
84989R2 84987R3	1		SS	84986	5.10g	5.19.86					
86064			B		5.0ml	5.19.86					
86067			B		0ml	5.19.86					
			B								

Surrogate No. /

Amount

Lot /

MAY 5-19-86

Schedule Reference

Manual Counter 278/721

Sample Number
E SEDIMENT #33

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: S2IB4995B15
Sample matrix: solid
Data Release
Authorized By: _____

Case:
WC Report No: URS WEST
Contract No:
Date Sample
Received: 05-12-88

Volatile Compounds
Concentration: low
Date extracted/prepared: N/A
Date analyzed: N/A
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): %

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.0	U	71-43-2	Benzene	5.0	U
67-64-1	Acetone	10.	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

DATA REPORTING QUALIFIERS

For reporting results to ERA, 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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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: Compchem
ne : ars west

Sample Number
S SEDIMENT MED

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low
Date extracted/prepared: 05-13-86
Date analyzed: 05-22-86
Conc/Dil Factor: 40.20
Percent moisture (decanted): 17%

GPC Cleanup: No
Separatory Funnel Extraction: Yes
Continuous Liquid - Liquid Extraction: No

CAS Number		ug/kg		CAS Number		ug/kg	
108-95-2	Phenol	400	U	83-32-9	Acenaphthene	400	U
111-44-4	bis(2-Chloroethyl) ether	400	U	51-28-5	2,4-Dinitrophenol	2000	U
95-57-8	2-Chlorophenol	400	U	100-02-7	4-Nitrophenol	2000	U
541-73-1	1,3-Dichlorobenzene	400	U	132-64-9	Dibenzofuran	400	U
106-46-7	1,4-Dichlorobenzene	400	U	121-14-2	2,4-Dinitrotoluene	400	U
100-51-6	Benzyl Alcohol	400	U	606-20-2	2,6-Dinitrotoluene	400	U
95-50-1	1,2-Dichlorobenzene	400	U	84-66-2	Diethylphthalate	400	U
95-48-7	2-Methylphenol	400	U	7005-72-3	4-Chlorophenyl Phenyl ether	400	U
39638-32-9	bis(2-Chloroisopropyl) ether	400	U	86-73-7	Fluorene	400	U
106-44-5	4-Methylphenol	400	U	100-01-6	4-Nitroaniline	2000	U
621-64-7	N-Nitroso-Dipropylamine	400	U	534-52-1	4,6-Dinitro-2-methylphenol	2000	U
67-72-1	Hexachloroethane	400	U	86-30-6	N-nitrosodiphenylamine (1)	400	U
98-95-3	Nitrobenzene	400	U	101-55-3	4-Bromophenyl Phenyl ether	400	U
78-59-1	Isophorone	400	U	118-74-1	Hexachlorobenzene	400	U
88-75-5	2-Nitrophenol	400	U	87-86-5	Pentachlorophenol	2000	U
105-67-9	2,4-Dimethylphenol	400	U	85-01-8	Phenanthrene	400	U
65-85-0	Benzoic Acid	2000	U	120-12-7	Anthracene	400	U
111-91-1	bis(2-Chloroethoxy) methane	400	U	84-74-2	Di-n-butylphthalate	400	U
120-83-2	2,4-Dichlorophenol	40.	J	206-44-0	Fluoranthene	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U	129-00-0	Pyrene	400	U
91-20-3	Naphthalene	400	U	85-68-7	Butyl Benzyl Phthalate	400	U
106-47-8	4-Chloroaniline	400	U	91-94-1	3,3'-Dichlorobenzidine	800	U
87-68-3	Hexachlorobutadiene	400	U	56-55-3	Benzo(a)anthracene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U	117-81-7	bis(2-ethylhexyl)phthalate	46.	J
91-57-6	2-Methylnaphthalene	400	U	218-01-9	Chrysene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U	117-84-0	Di-n-octyl Phthalate	400	U
88-06-2	2,4,6-Trichlorophenol	400	U	205-99-2	Benzo(b)fluoranthene	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U	207-08-9	Benzo(k)fluoranthene	400	U
91-58-7	2-Chloronaphthalene	400	U	50-32-8	Benzo(a)pyrene	400	U
88-74-4	2-Nitroaniline	2000	U	193-39-5	Indeno(1,2,3-cd)pyrene	400	U
131-11-3	Dimethyl Phthalate	400	U	53-70-3	Dibenz(a,h)anthracene	400	U
208-96-8	Acenaphthylene	400	U	191-24-2	Benzo(g,h,i)perylene	400	U
99-09-2	3-Nitroaniline	2000	U				

(1) Cannot be separated from diphenylamine

COMPUCHEM LABS

RIC

05/22/86 19:17:00

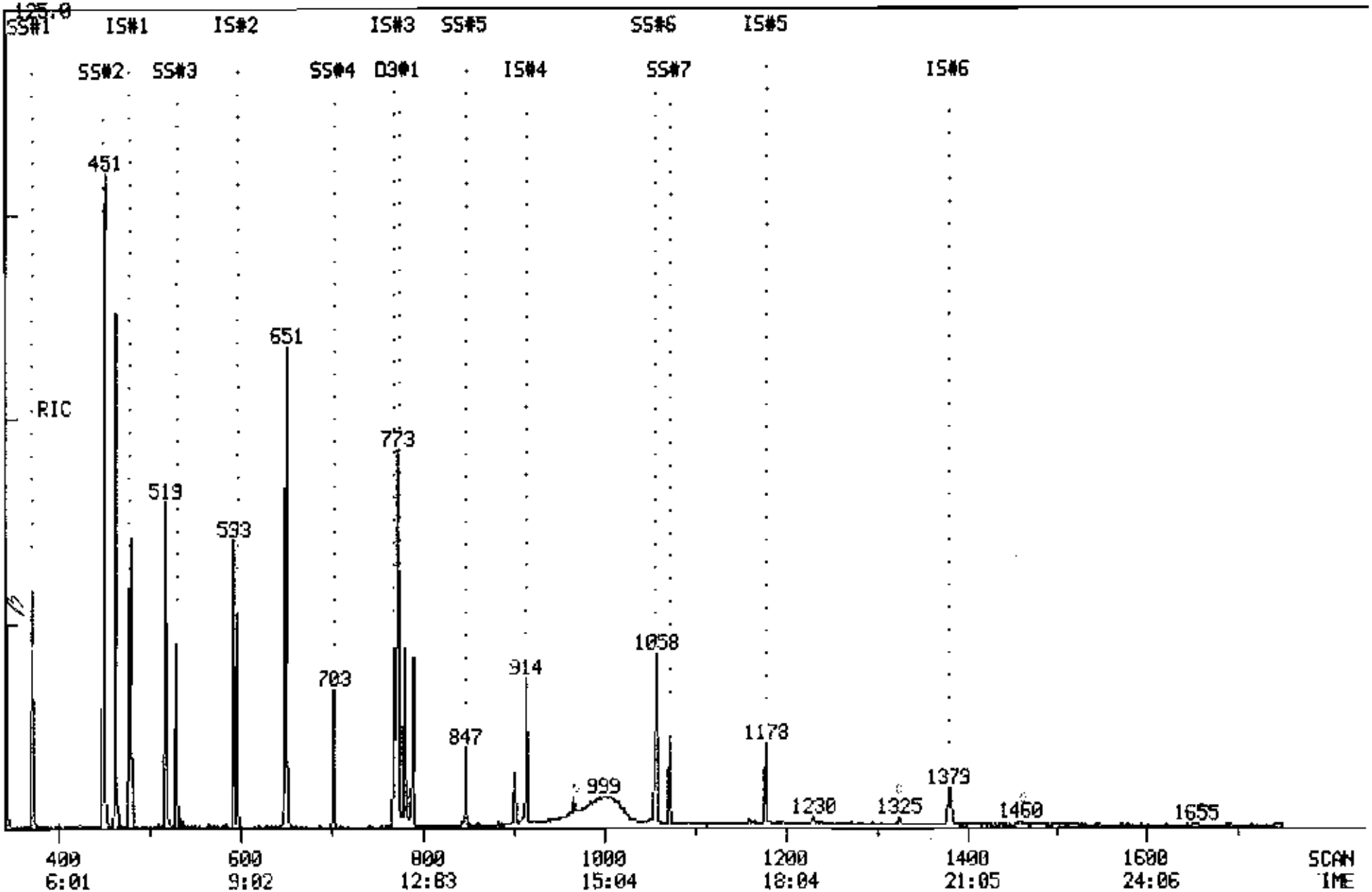
SAMPLE: 1 UL CC#84995 (5-13-86) CS#URS WEST EPA#55277/497

CONDS.:

COMPUCHEM DATA: G2J84995B15 SCANS 342 TO 1750

OUT OF 342 TO 1750

2480630.



INTERNAL STANDARD AREA MONITOR

METHOD: SEM12 FILENAME: G2J84995B15 DATE: 05/22/86
SHIFT STD: HG860522B15 TIME: 19:17

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*494 D4-1,4-DICHLOROBENZENE (IS#1)	99832.	90104.	11.	PASS
*460 D8-NAPHTHALENE (IS#2)	395896.	351932.	12.	PASS
*495 D10-ACENAPHTHENE (IS#3)	163204.	150128.	9.	PASS
#467 D10-PHENANTHRENE (IS#4)	220428.	207768.	6.	PASS
*459 D12-CHRYSENE (IS#5)	130416.	143724.	-9.	PASS
#497 D12-PERYLENE (IS#6)	131892.	152172.	-13.	PASS

QUANTITATION REPORT FILE: G2J84995B15

DATA: G2J84995B15.TI
05/22/86 19:17:00
SAMPLE: 1 UL CC#84995 (5-13-86) CS#URS WEST EPA#SS277/497
 INDS.:
SUBMITTED BY: 15 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	610 PHENOL (Q1#3) <108-95-2>
3	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
4	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
5	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
6	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
7	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
8	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
9	620 2-METHYLPHENOL (Q1#11) <95-48-7>
10	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
11	622 4-METHYLPHENOL (Q1#13) <106-44-5>
12	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
13	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
14	440 NITROBENZENE (Q1#16) <98-95-3>
15	*460 D8-NAPHTHALENE (IS#2)
16	438 ISOPHORONE (Q2#2) <78-59-1>
17	606 2-NITROPHENOL (Q2#3) <88-75-5>
18	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
19	625 BENZOIC ACID (Q2#5) <65-85-0>
20	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
21	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
22	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
23	439 NAPHTHALENE (Q2#9) <91-20-3>
24	475 4-CHLOROANILINE (Q2#10) <106-47-8>
25	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
26	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
27	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
28	*495 D10-ACENAPHTHENE (IS#3)
29	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
30	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
31	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
32	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
33	478 2-NITROANILINE (Q3#6) <88-74-4>
34	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
35	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
36	479 3-NITROANILINE (Q3#9) <99-09-2>
37	401 ACENAPHTHENE (Q3#10) <83-32-9>
38	@605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
39	607 4-NITROPHENOL (Q3#12) <100-02-7>
40	476 DIBENZOFURAN (Q3#13) <132-64-9>
41	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
42	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
43	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
44	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
45	432 FLUORENE (Q3#18) <86-73-7>
46	480 4-NITROANILINE (Q3#19) <100-01-6>

NO	NAME
47	#467 D10-PHENANTHRENE (IS#4)
48	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
49	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
50	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
51	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
52	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
53	444 PHENANTHRENE (G4#7) <85-01-8>
54	403 ANTHRACENE (G4#8) <120-12-7>
55	426 DI-N-BUTYL PHTHALATE (G4#9) <E4-74-2>
56	431 FLUORANTHENE (G4#10) <206-44-0>
57	#459 D12-CHRYSENE (IS#5)
58	445 PYRENE (G5#3) <129-00-0>
59	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
60	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
61	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
62	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
63	418 CHRYSENE (G5#8) <218-01-9>
64	#497 D12-PERYLENE (IS#6)
65	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
66	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
67	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
68	406 BENZO(A)PYRENE (G6#5) <50-32-8>
69	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
70	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
71	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
72	#619 2-FLUOROPHENOL (SS#1)
73	#612 D5-PHENOL (SS#2)
74	#447 D5-NITROBENZENE (SS#3)
75	#448 2-FLUOROBIPHENYL (SS#4)
76	#628 2,4,6-TRIBROMOPHENOL (SS#5)
77	#496 D14-TERPHENYL (SS#6)
78	#471 D10-PYRENE
79	456 1,2,3,4-TETRACHLOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	479	7:13	1	1.000	A BB	99832.	40.000	NG	2.42
2	94	451	6:48	1	0.942	A BV	951888.	149.955	NG	9.07
3	93	NOT FOUND								
4	128	463	6:58	1	0.967	A BV	591836.	143.436	NG	8.67
5	146	480	7:14	1	1.002	A BB	255576.	61.668	NG	3.73
6	146	480	7:14	1	1.002	A BB	255576.	62.882	NG	3.80
7	108	NOT FOUND								
8	146	NOT FOUND								
9	108	NOT FOUND								
10	45	NOT FOUND								
11	108	NOT FOUND								
12	70	519	7:49	1	1.084	A BV	359020.	67.326	NG	4.07
13	117	NOT FOUND								
14	77	NOT FOUND								
15	136	597	8:59	15	1.000	A BB	395896.	40.000	NG	2.42
16	82	NOT FOUND								
17	139	NOT FOUND								
18	122	NOT FOUND								
19	122	NOT FOUND								
20	93	NOT FOUND								
21	162	584	8:40	15	0.978	A BB	2480.	1.048	NG	0.06

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
22	180	593	8:56	15	0.993	A BB	180316.	65.883	NG	3.98
23	128	NOT FOUND								
24	127	NOT FOUND								
25	225	NOT FOUND								
26	107	651	9:48	15	1.090	A BV	550392.	175.240	NG	10.60
27	142	NOT FOUND								
28	164	769	11:35	28	1.000	A BB	163204.	40.000	NG	2.42
29	237	NOT FOUND								
30	196	NOT FOUND								
31	196	NOT FOUND								
32	162	NOT FOUND								
33	65	NOT FOUND								
34	163	NOT FOUND								
35	152	NOT FOUND								
36	138	NOT FOUND								
37	153	772	11:38	28	1.004	A BB	335400.	64.793	NG	3.92
38	184	NOT FOUND								
39	139	780	11:45	28	1.014	A VV	150760.	122.761	NG	7.42
40	168	NOT FOUND								
41	89	790	11:54	28	1.027	A BB	127912.	43.317	NG	2.62
42	165	NOT FOUND								
43	149	NOT FOUND								
44	204	NOT FOUND								
45	166	NOT FOUND								
46	138	NOT FOUND								
47	188	914	13:46	47	1.000	A BV	220428.	40.000	NG	2.42
48	198	NOT FOUND								
49	169	NOT FOUND								
50	248	NOT FOUND								
51	284	NOT FOUND								
52	266	901	13:34	47	0.986	A VB	31088.	31.088	NG	1.88
53	178	NOT FOUND								
54	178	NOT FOUND								
55	149	NOT FOUND								
56	202	NOT FOUND								
57	240	1178	17:44	57	1.000	A VV	130416.	40.000	NG	2.42
58	202	1057	15:55	57	0.897	A VV	348456.	67.103	NG	4.06
59	149	NOT FOUND								
60	252	NOT FOUND								
61	228	NOT FOUND								
62	149	1183	17:49	57	1.004	A*BV	5544.	1.181	NG	0.07
63	228	NOT FOUND								
64	264	1379	20:46	64	1.000	A VV	131892.	40.000	NG	2.42
65	149	NOT FOUND								
66	252	NOT FOUND								
67	252	NOT FOUND								
68	252	NOT FOUND								
69	276	NOT FOUND								
70	278	NOT FOUND								
71	276	NOT FOUND								
72	112	372	5:36	1	0.777	A BV	363464.	76.215	NG	4.61
73	99	450	6:47	1	0.939	A BB	478856.	71.558	NG	4.33
74	82	530	7:59	15	0.888	A BB	244640.	38.284	NG	2.32
75	172	703	10:35	28	0.914	A BB	197628.	38.447	NG	2.33
76	141	847	12:45	28	1.101	A*BB	22604.	62.389	NG	3.77
77	244	1072	16:09	57	0.910	A VV	109868.	35.810	NG	2.17

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
78	212	1056	15:54	57	0.896	A VV	144292.	33.177 NG	2.01
79	216	NOT FOUND							

ID	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	6:45	1.00	10.000	0.09	149.95	50.0 15.62	24.409	2.543	9.60
3	6:54		10.000			15.62		2.566	
4	6:58	1.00	10.000	0.10	143.44	15.62	15.177	1.653	9.18
5	7:10	1.01	10.000	0.10	61.67	15.62	6.554	1.661	3.95
6	7:14	1.00	10.000	0.10	62.88	15.62	6.554	1.628	4.02
7	7:25		10.000			15.62		1.202	
8	7:29		10.000			15.62		1.546	
9	7:35		10.000			15.62		1.687	
10	7:38		10.000			15.62		4.929	
11	7:46		10.000			15.62		1.687	
12	7:49	1.00	10.000	0.11	67.33	15.62	9.206	2.137	4.31
13	7:55		10.000			15.62		0.866	
14	8:01		10.000			50.0 15.62		2.630	
15	8:59	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
16	8:21		10.000			50.0 15.62		1.265	
17	8:28		10.000			15.62		0.217	
18	8:31		10.000			15.62		0.385	
19	8:39		50.000			15.62		0.275	
20	8:40		10.000			15.62		0.606	
21	8:48	1.00	10.000	0.10	1.05	15.62	0.016	0.239	0.07
22	8:56	1.00	10.000	0.10	65.88	15.62	1.166	0.277	4.22
23	9:01		10.000			15.62		1.086	
24	9:07		10.000			15.62		0.431	
25	9:18		10.000			15.62		0.122	
26	9:47	1.00	10.000	0.11	175.24	15.62	3.559	0.317	11.22
27	10:01		10.000			50.0 15.62		0.624	
28	11:34	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
29	10:21		10.000			50.0 15.62		0.284	
30	10:27		10.000			100.0 31.25		0.343	
31	10:27		50.000			100.0 31.25		0.343	
32	10:43		10.000			50.0 15.62		1.201	
33	10:54		50.000			15.62		0.867	
34	11:12		10.000			15.62		1.466	
35	11:20		10.000			15.62		1.998	
36	11:30		50.000			15.62		0.417	
37	11:37	1.00	10.000	0.10	64.79	15.62	5.261	1.269	4.15
38	11:39		50.000			15.62		0.155	
39	11:44	1.00	50.000	0.02	122.76	15.62	2.365	0.301	7.86
40	11:51		10.000			15.62		1.661	
41	11:53	1.00	10.000	0.10	43.32	15.62	2.006	0.724	2.77
42	11:19		10.000			15.62		0.323	
43	12:16		10.000			15.62		1.580	
44	12:22		10.000			15.62		0.520	
45	12:22		10.000			15.62		1.259	
46	12:25		50.000			50.0 15.62		0.424	
47	13:45	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
48	12:29		50.000			50.0 15.62		0.139	
49	12:32		10.000			15.62		0.647	
50	13:04		10.000			15.62		0.218	
51	13:18		10.000			15.62		0.280	
52	13:33	1.00	50.000	0.02	31.09	15.62	0.361	0.181	1.99

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
53	13:47		10.000			15.62		1.365	
54	13:51		10.000			15.62		0.947	
55	14:40		10.000			15.62		1.845	
56	15:33		10.000			15.62		1.129	
57	17:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
58	15:54	1.00	10.000	0.09	67.10	15.62	6.840	1.593	4.29
59	16:52		10.000			15.62		1.001	
60	17:37		20.000			15.62		0.438	
61	17:40		10.000			15.62		1.373	
62	17:44	1.01	10.000	0.10	1.18	15.62	0.109	1.440	0.08
63	17:44		10.000			15.62		1.168	
64	20:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
65	18:48		10.000			15.62		2.347	
66	19:44		10.000			15.62		1.301	
67	19:47		10,000			15.62		0.938	
68	20:32		10.000			15.62		1.151	
69	24:12		10.000			15.62		1.494	
70	24:17		10.000			15.62		1.237	
71	25:15		10.000			15.62		1.245	
72	5:36	1.00	0.742	1.05	76.21	50.00	2.913	1.911	1.52
73	6:46	1.00	0.948	0.99	71.56	50.00	3.837	2.681	1.43
74	7:59	1.00	0.875	1.01	38.28	50.00	0.494	0.646	0.77
75	10:34	1.00	0.906	1.01	38.45	50.00	0.969	1.260	0.77
76	12:44	1.00	1.118	0.99	62.39	50.00	0.111	0.089	1.25
77	16:07	1.00	0.907	1.00	35.81	50.00	0.674	0.941	0.72
78	15:52	1.00	10.000	0.09	33.18	50.00	0.885	1.334	0.66
79	10:44		1.000			50.00		0.204	

Reinject on Int #15 Only

CASE#: WRS Work DUE DATE:

SEMI-VOLATILE
GC/MS WORKSHEET COMPUCHEM#: 849953

J1( ) R1) D1) (:1)

J2( ) R2( ) D2( ) (:1)

LOW LEVEL SOLID
Deliverable Code 069

Sample Prep Code--- -717
Instrument Code---255
Compound List---172
Surrogate Std---393
Internal Std---035 (added by GC/MS)

SAS: EPA#: SS 277/497 Dry Weight Factor 1.20

GC/MS ANALYSIS 200 g

Volumes mixed: BN ___ ul Acid ___ ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 1 ul
Date of Sample Bottle Analyzed 5/13/86
DFTPP Filename DH860522BV Disk (3)
Standard Filename HA860522BV Disk (/)
Sample Filename 623849955BV Disk (/)

ANALYST(S): Injection 803 Work-up 803

GC/MS REVIEW

CONDITION CODE: JA

Entry Codes OK,EA,JA, ES,AL,AH,PL,PH,FL,JS
FH,NL,NH,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,DT,DF
ED,IF,LA,DI,CO,RN,DW,NS

Extraneous Peak Search Results:
# of Peaks Found: 5

Search #999

Quality Assurance Notice(s):
Notices Required: 0

COMMENTS: pk205/24

Disposition:
(✓) Complete
( ) Reinjection required
( ) Reextraction required
( ) Dilute (:1)
( ) Reinject Heat
( ) Send to QA

GC/MS Review [signature] Date 5/23/86 Auditor ___ Date ___/___/___

REPORT INTEGRATION Total # of Injections: 3
Final Reportable Package(s): 623849955 BV

QA COMMENTS:

Initials ___ Date ___/___/___

FINAL REVIEW: Initials ___ Date ___/___/___

5/23/86

EPASOLID (11.

SEMI-VOLATILE - LOW LEVEL SOLID

CMP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
494	152	I	D4-1,4-DICHLOROBENZENE (IS#	479	99800.	40.0		
610	94		PHENOL (Q1#3) <108-95-2>			150.0	5000.	340.
411	93		BIS(2-CHLOROETHYL)ETHER (Q1				BDL	340.
601	126		2-CHLOROPHENOL (Q1#6) <95-5			143.0	4800.	340.
421	146		1,3-DICHLOROBENZENE (Q1#7)			61.7	2100.	340.
422	146		1,4-DICHLOROBENZENE (Q1#8)			62.9	2100.	340.
474	108		BENZYL ALCOHOL (Q1#9) <100-				BDL	340.
420	146		1,2-DICHLOROBENZENE (Q1#10)				BDL	340.
620	108		2-METHYLPHENOL (Q1#11) <95-				BDL	340.
412	45		BIS(2-CHLOROISOPROPYL)ETHER				BDL	340.
622	108		4-METHYLPHENOL (Q1#13) <106				BDL	340.
442	70		N-NITROSO-DI-N-PROPYLAMINE			67.3	2200.	340.
436	117		HEXACHLOROETHANE (Q1#15) <6				BDL	340.
440	77		NITROBENZENE (Q1#16) <98-95				BDL	340.
460	136	I	D8-NAPHTHALENE (IS#2)	597	396000.	40.0		
438	82		ISOPHORONE (Q2#2) <78-59-1>				BDL	340.
606	139		2-NITROPHENOL (Q2#3) <88-75				BDL	340.
603	122		2,4-DIMETHYLPHENOL (Q2#4) <				BDL	340.
625	122		BENZOIC ACID (Q2#5) <65-85-				BDL	1700.
410	93		BIS(2-CHLOROETHOXY)METHANE				BDL	340.
602	162		2,4-DICHLOROPHENOL (Q2#7) <			11.0	J	340.
446	180		1,2,4-TRICHLOROBENZENE (Q2#			65.9	2200.	340.
439	128		NAPHTHALENE (Q2#9) <91-20-3				BDL	340.
475	127		4-CHLOROANILINE (Q2#10) <10				BDL	340.
4	225		HEXACHLOROBUTADIENE (Q2#11)				BDL	340.
608	107		P-CHLORO-M-CRESOL (Q2#12) <			175.0	5900.	340.
477	142		2-METHYLNAPHTHALENE (Q2#13)				BDL	340.
495	164	I	D10-ACENAPHTHENE (IS#3)	769	163000.	40.0		
435	237		HEXACHLOROCYCLOPENTADIENE (				BDL	340.
611	196		2,4,6-TRICHLOROPHENOL (Q3#3				BDL	340.
626	196		2,4,5-TRICHLOROPHENOL (Q3#4				BDL	1700.
416	162		2-CHLORONAPHTHALENE (Q3#5)				BDL	340.
478	65		2-NITROANILINE (Q3#6) <88-7				BDL	1700.
425	163		DIMETHYL PHTHALATE (Q3#7) <				BDL	340.
402	152		ACENAPHTHYLENE (Q3#8) <208-				BDL	340.
479	138		3-NITROANILINE (Q3#9) <99-0				BDL	1700.
401	153		ACENAPHTHENE (Q3#10) <83-32			64.8	2200.	340.
605	184		2,4-DINITROPHENOL (Q3#11) <				BDL	1700.
607	139		4-NITROPHENOL (Q3#12) <100-			123.0	4100.	1700.
476	168		DIBENZOFURAN (Q3#13) <132-6				BDL	340.
427	89		2,4-DINITROTOLUENE (Q3#14)			43.3	1400.	340.
428	165		2,6-DINITROTOLUENE (Q3#15)				BDL	340.
424	149		DIETHYL PHTHALATE (Q3#16) <				BDL	340.
417	204		4-CHLOROPHENYL PHENYL ETHER				BDL	340.
432	166		FLUORENE (Q3#18) <86-73-7>				BDL	340.
480	138		4-NITROANILINE (Q3#19) <100				BDL	1700.
467	188	I	D10-PHENANTHRENE (IS#4)	914	220000.	40.0		
604	198		4,6-DINITRO-2-METHYLPHENOL				BDL	1700.
443	169		N-NITROSODIPHENYLAMINE (Q4#				BDL	340.
4	248		4-BROMOPHENYL PHENYL ETHER				BDL	340.
3	284		HEXACHLOROBENZENE (Q4#5) <1				BDL	340.
609	266		PENTACHLOROPHENOL (Q4#6) <8			31.1	J	1700.
444	178		PHENANTHRENE (Q4#7) <85-01-				BDL	340.
403	178		ANTHRACENE (Q4#8) <120-12-7				BDL	340.

SEMI-VOLATILE - LOW LEVEL SOLID

CMP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/KG)	DETECT. LIMIT (UG/KG)
								x1.2
426	149		DI-N-BUTYL PHTHALATE (G4#9)				BDL	340.
431	202		FLUORANTHENE (G4#10) <206-4				BDL	340.
459	240	I	D12-CHRYSENE (IS#5)	1178	130000.	40.0		
445	202		PYRENE (G5#3) <129-00-0>			67.1	2200.	340.
415	149		BUTYLBENZYL PHTHALATE (G5#4				BDL	340.
423	252		3,3'-DICHLOROBENZIDINE (G5#				BDL	670.
405	228		BENZO(A)ANTHRACENE (G5#6) <				BDL	340.
413	149		BIS(2-ETHYLHEXYL) PHTHALATE			1.2	J	340.
418	228		CHRYSENE (G5#5) <218-01-9>				BDL	340.
497	264	I	D12-PERYLENE (IS#6)	1379	132000.	40.0		
429	149		DI-N-OCTYL PHTHALATE (G6#2)				BDL	340.
407	252		BENZO(B)FLUORANTHENE (G6#3)				BDL	340.
409	252		BENZO(K)FLUORANTHENE (G6#4)				BDL	340.
406	252		BENZO(A)PYRENE (G6#5) <50-3				BDL	340.
437	276		INDENO(1,2,3-C,D)PYRENE (G6				BDL	340.
419	278		DIBENZO(A,H)ANTHRACENE (G6#				BDL	340.
408	276		BENZO(G,H,I)PERYLENE (G6#8)				BDL	340.
619	112	S	2-FLUOROPHENOL (SS#1)			76.2	77.%	
612	99	S	D5-PHENOL (SS#2)			71.6	73.%	
447	82	S	D5-NITROBENZENE (SS#3)			38.3	78.%	
448	172	S	2-FLUOROBIPHENYL (SS#4)			38.4	78.%	
628	141	S	2,4,6-TRIBROMOPHENOL (SS#5)			62.4	63.%	
496	244	S	D14-TERPHENYL (SS#6)			35.8	73.%	
471	212	S	D10-PYRENE			33.2	67.%	
36	216		1,2,3,4-TETRACHLOROBENZENE				BDL	34.
CHECKSUMS:								
13647.	4237			5316	1140800.	1653.2	34709.	

SEMI-VOLATILE - LOW LEVEL SOLID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
72	619	2-FLUOROPHENOL (SS#1)	76.2	98.3	77.	26-121	X	
73	612	D5-PHENOL (SS#2)	71.6	98.3	73.	24-113	X	
74	447	D5-NITROBENZENE (SS#3)	38.3	49.2	78.	23-120	X	
75	448	2-FLUOROBIPHENYL (SS#4)	38.4	49.2	78.	30-115	X	
76	628	2,4,6-TRIBROMOPHENOL (SS#5)	62.4	98.3	63.	18-123	X	
77	496	D14-TERPHENYL (SS#6)	35.8	49.2	73.	18-137	X	
78	471	D10-PYRENE	33.2	49.2	67.	33-128*	X	

* ADVISORY SURROGATE ONLY
++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

	P	F
INTERNAL STANDARD (#52) D10-PHENANTHRENE > 40000 CNTS	✓	

CORRECTION FACTOR CALCULATION:

$$\frac{\text{FINAL EXTRACT VOLUME (ML)}}{\text{SPLIT FACTOR (*)}} \times \frac{30.0\text{G}}{\text{AMOUNT EXTRACTED(G)}} \times \text{DRY WEIGHT FACTOR} \times \text{GC/MS DILUTION FACTOR} \times 33.3 =$$

$$\frac{0.9\text{ML}}{0.885} \times \frac{30.0\text{G}}{30.22\text{G}} \times \frac{1.20}{1.0} \times \frac{1.0}{1.0} \times 33.3 = 40.2$$

* SPLIT FACTOR = (295/300)(9/10) IF PEST/TCDD VOLUMES ARE INDICATED ON LOG
= 1 IF PEST/TCDD VOLUMES ARE NOT INDICATED ON EXTRACTION LOG

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{\text{1000 UL}}{\text{AMOUNT SURROGATE ADDED (UL)}} \times \frac{\text{FINAL EXTRACT VOL (ML)}}{\text{SPLIT FACTOR}} \times \text{GCMS DILUTION FACTOR} =$$

$$\frac{1000\text{ UL}}{500\text{ UL}} \times \frac{0.9\text{ML}}{0.885\text{ML}} \times \frac{1.0}{1.0} = 2.036$$

EXTRACTION WORKSHEET

Semi-Volatiles / Miscellaneous

ASSIGNED TO: Linda L.A.P.

DATE ASSIGNED 5-13-86

PAGE _____ OF _____

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) SV SCREEN	SV B/N	ACID	PEST	ADJUSTED PH B/N	ADJUSTED PH A	DATE COMPT	COMMENTS
84992	-153	WKSwest	Nat	BS		30.00	1ml	—		—			5/13	
84993	-717	WKSwest		BS		30.00	—	0.9		1ml			5/13	
84994		WKSwest		SS	84921	30.55	—	0.9		1ml			5/13	270/489
84995		WKSwest		SS	84921	30.32	—	0.9		1ml			5/13	
84986		WKSwest				30.89	1ml	0.9		1ml			5/13	
84990						30.24	1ml	0.9		1ml			5/13	
85000						30.41	1ml	0.9		1ml			5/13	
85001						30.82	1ml	0.9		1ml			5/13	
85002						30.05	1ml	0.9		1ml			5/13	
85003						30.85	1ml	0.9		1ml			5/13	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	393			395		
	AMT.	0.5ml			2.0ml		
	LOT	17794			17636		
SPIKE	NO.		3012	2021			
	AMT.		1.0ml	1.0ml			
	LOT		17654	17771			

Blanks 85102, 85103 } on BF 9782 along w/other samples

MANUAL COUNTER 270/613

FINAL VOLUME VERIFIED L.A.P.

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY TD 5/13/86

Prep'ed Lot # 209

Mailed 5/13/86

№ 781

EXTRACTION WORKSHEET
Semi-Volatiles/Miscellaneous

ASSIGNED TO: [illegible]

DATE ASSIGNED 5-13-86

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	EPA #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL (MLS) SV SCREEN	SV B/N	ACID	PEST	ADJUSTED PH B/N	A	DATE COMPT	COMMENTS
85004	-717	Wusurst	NA			30.44	1ml	0.9		0.9			5/13	
85005	↓	↓	↓			30.30	1ml	0.9		0.9			5/13	
85102				B'		30.00	1ml	0.9		1.0			5/13	
85103	↓			B²		30.00	1ml	0.9		1.0			5/13	

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393			395		
	AMT.	0.5ml			2.0ml		
	LOT	17794			17CKL		
SPIKE	NO.						
	AMT.						
	LOT						

Add'n samples on QF 9978 (B)

MANUAL COUNTER 270/613

FINAL VOLUME VERIFIED LLP

SUPERVISOR REVIEWED [illegible]

EXTRACTS RECEIVED BY TST 5/13/86

Acetone Lot # 509

[illegible] 5/13/86

№ 32

Sample Number
F-SED1 MSD

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: 84998
Sample matrix: solid
Data Release
Authorized By: _____

Case: ARCO west
GC Report No: _____
Contract No:
Date Sample
Received: ~~5-15-86~~ 5-12-86

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed:
Conc/Dil Factor: 1.00 pH:
Percent moisture (not decanted): 43%

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	10.	U	79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl Chloride	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10.	U	79-00-5	1,1,2-Trichloroethane	5.0	U
75-09-2	Methylene Chloride	5.0	B	71-43-2	Benzene	5.0	U
67-64-1	Acetone	10.	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-4	1,1-Dichloroethene	5.0	U	75-25-2	Bromoform	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	108-10-1	4-Methyl-2-pentanone	10.	U
156-60-5	trans-1,2-Dichloroethene	5.0	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.0	U	127-18-4	Tetrachloroethene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U	108-90-7	Chlorobenzene	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	100-41-4	Ethyl Benzene	5.0	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.0	U
75-27-4	Bromodichloromethane	5.0	U		Total Xylenes	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U				

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 then 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 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 10ug and a concentration of 3ug is calculated, then report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10ng/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.

Sample Number
MSD F-SED

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 05/15/86
Data Analyzed: 05/16/86
Conc/Dil Factor: 1.75

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	14.	U
319-85-7	Beta - BHC	14.	U
319-86-8	Delta - BHC	14.	U
58-89-9	Gamma - BHC(Lindane)	14.	U
76-44-8	Heptachlor	14.	U
309-00-2	Aldrin	14.	U
1024-57-3	Heptachlor Epoxide	14.	U
959-98-8	Endosulfan I	14.	U
60-57-1	Dieldrin	28.	U
72-55-9	4-4' - DDE	28.	U
72-20-8	Endrin	28.	U
33213-65-9	Endosulfan II	28.	U
72-54-8	4-4' - DDD	28.	U
1031-07-8	Endosulfan Sulfate	28.	U
50-29-3	4-4' - DDT	28.	U
72-43-5	Methoxychlor	140	U
53494-70-5	Endrin Ketone	28.	U
57-74-9	Chlordane	140	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor - 1016	140	U
11104-28-2	Aroclor - 1221	140	U
11141-16-5	Aroclor - 1232	140	U
53469-21-9	Aroclor - 1242	140	U
12672-29-6	Aroclor - 1248	140	U
11097-69-1	Aroclor - 1254	280	U
11096-82-5	Aroclor - 1260	280	U

reported

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) 30.00 V(t) 2000.00 V(i) 5.0

Form 1

Sample Number
MSD F-SED

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 05/15/86
Data Analyzed: 05/21/86
Conc/Dil Factor: 1.75

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	14.	U
319-85-7	Beta - BHC	14.	U
319-86-8	Delta - BHC	14.	U
58-89-9	Gamma - BHC(Lindane)	14.	U
76-44-8	Heptachlor	14.	U
309-00-2	Aldrin	14.	U
1024-57-3	Heptachlor Epoxide	14.	U
959-98-8	Endosulfan I	14.	U
60-57-1	Dieldrin	28.	U
72-55-9	4-4' - DDE	28.	U
72-20-8	Endrin	28.	U
33213-65-9	Endosulfan II	28.	U
72-54-8	4-4' - DDD	28.	U
1031-07-8	Endosulfan Sulfate	28.	U
50-29-3	4-4' - DDT	28.	U
72-43-5	Methoxychlor	140	U
53494-70-5	Endrin Ketone	28.	U
57-74-9	Chlordane	140	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor - 1016	140	U
11104-28-2	Aroclor - 1221	140	U
11141-16-5	Aroclor - 1232	140	U
53469-21-9	Aroclor - 1242	140	U
12672-29-6	Aroclor - 1248	2900	
11097-69-1	Aroclor - 1254	280	U
11096-82-5	Aroclor - 1260	280	U

V(i) = Volume of extract injected (ul)
V(a) = Volume of water extracted (ml)
W(a) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(a) _____ or W(a) 30.00 V(t) 2000.00 V(i) 1.0

Form 1

QUALITY ASSURANCE NOTICE
sample # 84558 55
case # URS Uest

The following qualifications should be noted when reporting and/or interpreting data for the pesticide fraction of this sample. These data qualifiers are used when special circumstances exist in the sample preparation or sample matrix which were beyond the laboratory's control.

[ ] no surrogate recovery data available due to a ____:1 dilution factor

[ ] no spike recovery data available due to a ____:1 dilution factor

[ ] no spike and/or surrogate recovery data available due to severe matrix interferences*

[ ] variations between duplicate samples or sample spikes have been attributed to the inhomogeneous nature of the soil matrix

[✓] the following spike or surrogate compounds exhibited interferences which affected accurate quantitation:

Gamma BHC	Aldrin	Endrin
Heptachlor	Dieldrin	pp' DDT

[✓] additional data reviewer comments:

High concentrations of PCB 1248 are interfering with spiking compounds by co-eluting with them, making it impossible to accurately quantify them

reviewer's initials DPM
date 5-22-86

*the presence of PCBs and related compounds often "mask" these standards and prevent accurate identification and quantitation

QAN2G
850125

Analysis Worksheet

CompuChem Number 64998 Case# URS WEST EPA# MSD F-SED

Volume/weight extracted = 30.00 g Final Extract Volume = 2.00 ml Split = 10.0 Dry Weight Factor = 1.75

$$\text{Concentration} = \frac{\text{Sample Area} * \text{Standard Conc} * \text{Dilution} * \text{Split} * \text{Final Volume} * \text{Dry Weight Factor}}{\text{Standard Area} * \text{Volume or Weight of Sample}}$$

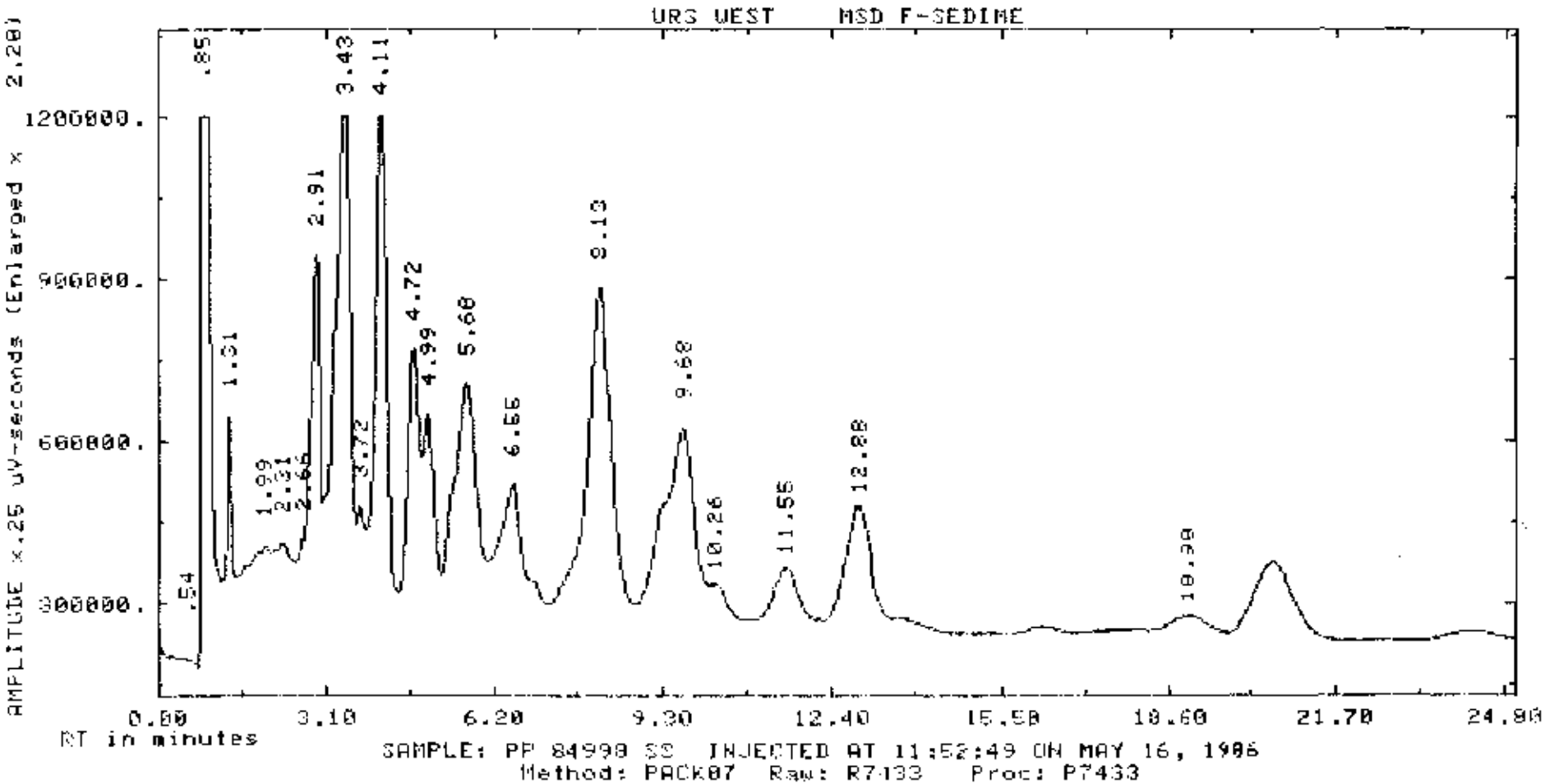
File : P7433 Column : MIXED Dilution Factor : 5.0 Detection Level Factor : 1.75

	Standard RT window -	5.30 - 5.73	Sample RT -	5.68	Confirmation
Aroclor - 1248	Standard Area -	1.015555E+07	Sample Area -	1.770E+07	
	Standard Conc(ug/ml) -	0.400	Sample Conc(ug/Kg) -	4065.68	

File : P3222 Column : DV-101 Dilution Factor : 5.0 Detection Level Factor : 1.75

	Standard RT window -	5.30 - 5.52	Sample RT -	5.43	Primary/Reported ORRS
Aroclor - 1248	Standard Area -	310601	Sample Area -	388296	
	Standard Conc(ug/ml) -	0.400	Sample Conc(ug/Kg) -	2916.25	

Analyst Comments:


URS WEST MSD F-SEDIME
AMPLITUDE x.25 uV-seconds (Enlarged x 2.20)
1200000.
900000.
600000.
300000.
.54
.85
1.31
1.99
2.31
2.66
2.91
3.43
3.72
4.11
4.72
4.99
5.60
6.55
8.13
9.68
10.26
11.55
12.88
18.38
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: PP 84998 SS INJECTED AT 11:52:49 ON MAY 16, 1986
Method: PACK07 Raw: R7433 Proc: P7433

Report: 206.11 Channel: 7 URS WEST MSD F-SEDIME

Sample: PP 84998 SS Injected at 11:52:49 ON MAY 16, 1986

ESTD Method: TEMP07 Seq: SE074 Subsq/Samp: 1/33 Btl: 33

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	10000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

Actual run time: 25.008 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
.54	0.00	.10000E+01	24033.	BB	.222	
.85	0.00	.10000E+01	13197976.	BS	122.154	
1.31	0.00	.10000E+01	648337.	BB	6.001	
1.99	0.00	.10000E+01	81671.	BB	.756	
2.31	0.00	.10000E+01	92838.	BB	.859	
2.66	0.00	.10000E+01	19042.	BB	.176	
2.91	0.00	.10000E+01	2225978.	BB	20.603	
3.43	0.00	.10000E+01	5951572.	BB	55.085	
3.72	0.00	.10000E+01	95453.	BB	.883	
4.11	0.00	.10000E+01	5228742.	BB	48.395	
4.72	0.00	.10000E+01	1456351.	BB	13.479	
4.99	0.00	.10000E+01	725162.	BB	6.712	
5.68	0.00	.10000E+01	3898850.	BB	36.086	
6.55	0.00	.10000E+01	1919172.	BB	17.763	
8.13	0.00	.10000E+01	8551044.	BB	79.145	
9.68	0.00	.10000E+01	5218752.	BB	48.302	
10.26	0.00	.10000E+01	117386.	BB	1.086	
11.55	0.00	.10000E+01	1363922.	BB	12.624	
12.88	0.00	.10000E+01	3159934.	BB	29.247	
18.98	0.00	.10000E+01	45465.	BB	.421	

Total Area = 54021696. Total AREA % = 45465.000

Processed data file: P7433 Raw data file: R7433

REPORT: 206.51 CHANNEL: 7

SAMPLE: PP 84998 SS INJECTED AT 11:52:49 ON MAY 16, 1986

STD METHOD: AR4874 SEQ: SEQ74 SUBSQ/SAMP: 1/ 33 BTL: 33

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH
.500	.300	0.00	10000	AUTO

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	I
YES	0.00	0	.300	5.000	500.00	NO

ACTUAL RUN TIME: 25.008 MINUTES

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		RATIO	NAME
1.31			30793500	**	194.087	+AR4874

TOTAL AREA = 54021711 * TOTAL RATIO = 116141166.

SUMMED PEAK COMPONENTS

RT	ITM	FACTOR	AREA		RATIO	NAME
1.31	1.32	1.3824E- 5	648337	BB	44.814	+AR4874
2.31	2.31	6.4340E- 6	92838	BB	2.987	+AR4874
2.91	2.84	1.4265E- 6	2225978	BB	15.877	+AR4874
3.43	3.42	5.8435E- 7	5951572	BB	17.389	+AR4874
3.72	3.71	3.8555E- 6	95452	BB	1.840	+AR4874
4.11	4.10	3.6496E- 7	5228742	BB	9.541	+AR4874
4.72	4.72	8.8745E- 7	1456351	BB	6.462	+AR4874
4.99	5.00	1.3502E- 6	725162	BB	4.896	+AR4874
5.68	5.68#	2.1459E- 7	3898850	BB	4.183	#+AR4874
6.55	6.56	3.6753E- 7	1919172	BB	3.527	+AR4874
8.13	7.93	1.9312E- 6	8551044	BB	82.571	+AR4874

PROCESSED DATA FILE: P7433 RAW DATA FILE: R7433

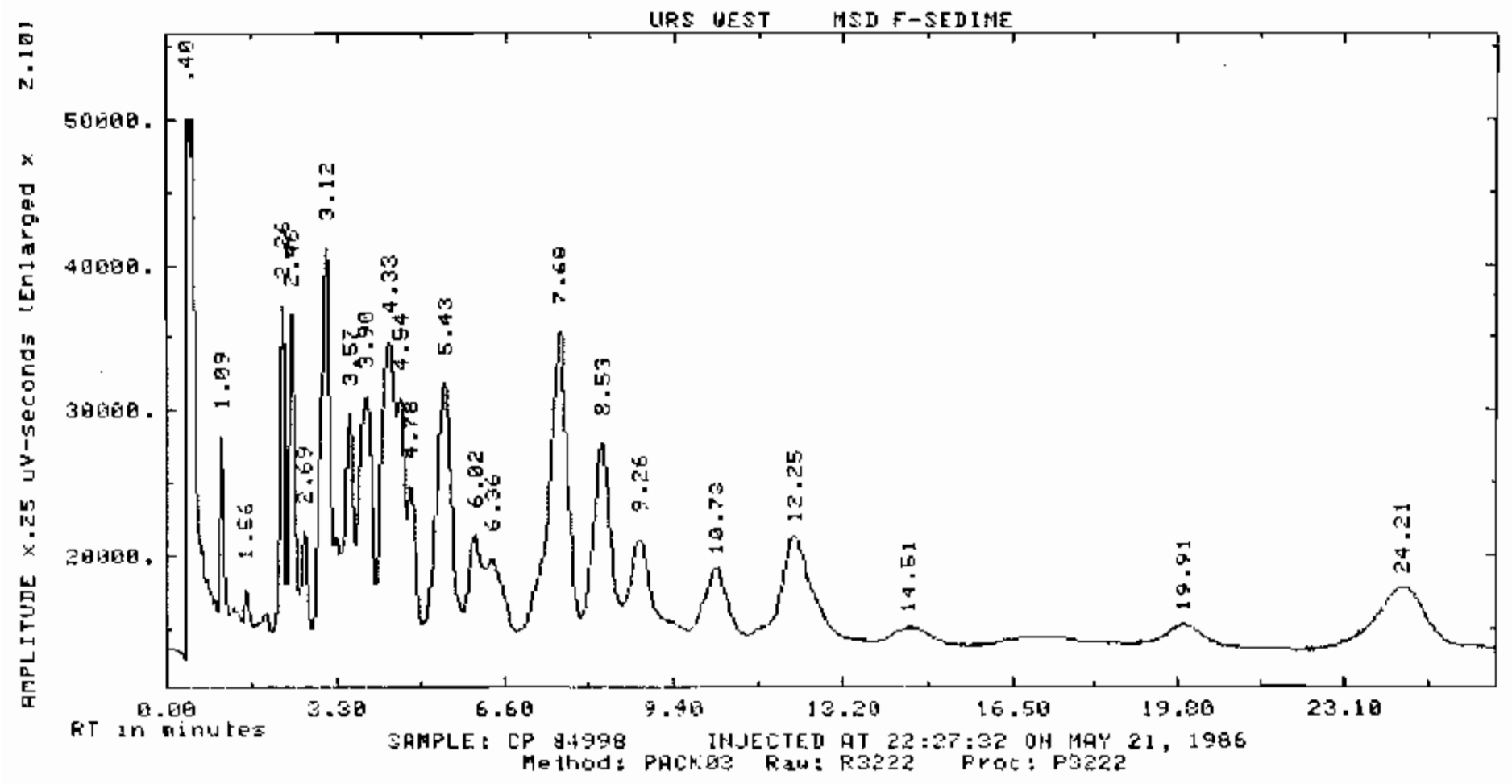
PASS 1
MEAN =18.9904 STD DEV =24.4046 REL STD DEV =1.28511 N=10
SUM OF STANDARD AREAS =1.07456E+07 SUM OF SAMPLE AREAS =2.60947E+07

RT	ITM	AREA	RATIO	NAME
1.30582	1.32078	648337.	44.814	+AR4874
2.30919	2.31429	92838.5	2.98697	+AR4874
2.91297	2.8365	2.22598E+06	15.8767	+AR4874
3.42965	3.42152	5.95157E+06	17.389	+AR4874
3.72265	3.71205	95452.5	1.84009	+AR4874
4.11333	4.10431	5.22874E+06	9.54141	+AR4874
4.71698	4.72275	1.45635E+06	6.46216	+AR4874
4.98579	5.00156	725162.	4.89566	+AR4874
6.54774	6.56364	1.91917E+06	3.52675	+AR4874

PASS 2
MEAN =11.9259 STD DEV =12.755 REL STD DEV =1.06953 N=9
SUM OF STANDARD AREAS =1.02278E+07 SUM OF SAMPLE AREAS =1.83436E+07

RT	ITM	AREA	RATIO	NAME
2.30919	2.31429	92838.5	2.98697	+AR4874
2.91297	2.8365	2.22598E+06	15.8767	+AR4874
3.42965	3.42152	5.95157E+06	17.389	+AR4874
3.72265	3.71205	95452.5	1.84009	+AR4874
4.11333	4.10431	5.22874E+06	9.54141	+AR4874
4.71698	4.72275	1.45635E+06	6.46216	+AR4874
4.98579	5.00156	725162.	4.89566	+AR4874
6.54774	6.56364	1.91917E+06	3.52675	+AR4874

PASS 3
MEAN =7.81484 STD DEV =5.56084 REL STD DEV =.711575 N=8
SUM OF STANDARD AREAS =1.01555E+07 SUM OF SAMPLE AREAS =1.76953E+07


URS WEST MSD F-SEDIME
AMPLITUDE x.25 uV-seconds (Enlarged x 2.10)
50000.
40000.
30000.
20000.
.40
1.09
1.56
2.26
2.46
2.69
3.12
3.57
3.90
4.33
4.54
4.78
5.43
6.02
6.36
7.68
8.53
9.26
10.73
12.25
14.61
19.91
24.21
0.00
3.30
6.60
9.90
13.20
16.50
19.80
23.10
RT in minutes
SAMPLE: CP 84998 INJECTED AT 22:27:32 ON MAY 21, 1986
Method: PACK03 Raw: R3222 Proc: P3222

Report: 378.00 Channel: 3 URS WEST MSD F-SEDIME

Sample: CP 84998 Injected at 22:27:32 ON MAY 21, 1986

ZERO Method: PACK03 Seq: SEQ32 Subsq/Samp: 1/22 Btl: 22

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	5000	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	500.00	NO

Actual run time: 26.008 minutes

Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.40	0.00	.10000E+01	72400.	BB	22.993	
1.09	0.00	.10000E+01	22995.	BB	7.303	
1.56	0.00	.10000E+01	6204.	BB	1.970	
2.26	0.00	.10000E+01	54714.	BB	17.376	
2.46	0.00	.10000E+01	55926.	BB	17.761	
2.69	0.00	.10000E+01	15240.	BB	4.840	
3.12	0.00	.10000E+01	129692.	BB	41.187	
3.57	0.00	.10000E+01	33146.	BB	10.526	
3.90	0.00	.10000E+01	80526.	BB	25.573	
4.33	0.00	.10000E+01	59054.	BB	18.754	
4.54	0.00	.10000E+01	11365.	BB	3.609	
4.78	0.00	.10000E+01	14726.	BB	4.677	
5.43	0.00	.10000E+01	150111.	BB	47.672	
6.02	0.00	.10000E+01	21853.	BB	6.940	
6.36	0.00	.10000E+01	14640.	BB	4.649	
7.68	0.00	.10000E+01	260196.	BB	82.632	
8.53	0.00	.10000E+01	114232.	BB	36.277	
9.26	0.00	.10000E+01	51130.	BB	16.238	
10.73	0.00	.10000E+01	63235.	BB	20.082	
12.25	0.00	.10000E+01	140816.	BB	44.720	
14.51	0.00	.10000E+01	23794.	BB	7.556	
19.91	0.00	.10000E+01	35053.	BB	11.132	
24.21	0.00	.10000E+01	143373.	BF	45.532	

Total Area = 1574421. Total AREA % = 143373.500

Processed data file: P3222 Raw data file: R3222

REPORT: 378.21 CHANNEL: 3

SAMPLE: CP 84998 INJECTED AT 22:27:32 ON MAY 21, 1986

.STD METHOD: AR4832 SEQ: SEQ32 SUBSQ/SAMP: 1/ 22 BTL: 22

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH
.500	.300	0.00	5000	AUTO

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	XDIL-F	I
YES	0.00	0	.300	5.000	500.00	NO

ACTUAL RUN TIME: 26.008 MINUTES

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		RATIO	NAME
2.46			798603	**	118.958	+AR4832

TOTAL AREA = 1574422 * TOTAL RATIO = 3879208.96

SUMMED PEAK COMPONENTS

RT	ITM	FACTOR	AREA		RATIO	NAME
2.46	2.45	4.0832E-5	55926	BB	11.418	+AR4832
2.69	2.71	6.6164E-5	15240	BB	5.042	+AR4832
3.12	3.13	1.8742E-5	129692	BB	12.153	+AR4832
3.90	3.88	1.3411E-5	80526	BB	5.400	+AR4832
4.33	4.29	2.3091E-5	59054	BB	6.818	+AR4832
4.54	4.58	2.4427E-5	11365	BB	1.388	+AR4832
5.43	5.43*	5.7802E-6	150111	BB	4.338	*+AR4832
6.02	6.02	2.0040E-5	21853	BB	2.190	+AR4832
6.36	6.38	1.1097E-4	14640	BB	8.124	+AR4832
7.68	7.85	4.7724E-5	260196	BB	62.088	+AR4832

PROCESSED DATA FILE: P3222 RAW DATA FILE: R3222

PASS 1
MEAN =12.7355 STD DEV =17.7857 REL STD DEV =1.39654 N=9
SUM OF STANDARD AREAS =331635. SUM OF SAMPLE AREAS =648492.

RT	ITM	AREA	RATIO	NAME
2.45677	2.45296	55926.4	11.4181	+AR4832
2.6917	2.7119	15240.3	5.04179	+AR4832
3.11717	3.1273	129692.	12.1535	+AR4832
3.8959	3.87695	80526.2	5.39987	+AR4832
4.33147	4.28665	59053.7	6.818	+AR4832
4.54335	4.57595	11364.7	1.38801	+AR4832
6.01857	6.02253	21853.	2.18963	+AR4832
6.3641	6.3848	14640.3	8.12352	+AR4832

PASS 2
MEAN =6.56654 STD DEV =3.65546 REL STD DEV =.556679 N=8
SUM OF STANDARD AREAS =310681. SUM OF SAMPLE AREAS =388296.

DONE

LAB INSTRUCTIONS:

CASE # URS WESTDATE DUE 6/10/86
COMPUCHEM # 84998

PESTICIDE
WORKSHEET

QC

Sample Prep Code---716
Instrument Code----124
Compound List------177
Surrogate Std------396

LOW LEVEL SOLID

SAS: ID#: 33 269/488 Dry Weight Factor 1.75
Blank Associated with Case _____ _____ _____ _____
Associated Blank _____

EXTRACTION INFORMATION: CALC Used? yes |___|

Wt. of sample 30.0 g final volume of extract 2.0 mls

portion of wt. in pesticide 1/10 .

ANALYSIS INFORMATION:

COMMENTS

|___| Send to QA

|___| QA Approved

|___| Need QC/MS Confirmation

Inst. # /
Date Sequence Dil. Fact.

HADLED

ACB 1248

5-16 7 74 5

5-21 3 32 5

___ ___ ___ ___

Analyst 924/899 Date 5-22-86

SURROGATE INFORMATION DIBUTYL CHLORENDATE

AREA IN SAMPLE 43 x Dilution Factor 5 x 100 = 134 % Recovery
AREA IN STD 333
% Recovery X 0.1 ug/ml = .134 ug/ml

+EA = re-extract acceptable
JA = reinject acceptable
OA = repeat confirmed original results
OK = original data acceptable (not for REPEATS)
NS = insufficient sample for repeat
DL = DBC low ((20% Recovery)
DA = Dilution Acceptable
BF = Blank Requires Florisil
CT = Contamination Suspected

IF DATA FAILS, INSERT CONDITION CODE FROM REPEAT REQUEST FORM IN BOX.

FINAL STATUS CODE+= | OK |

IF MULTIPLE PACKAGES EXIST, REPORT THIS DATA: _____

|___| QANA |___| QAN3 QA notice included.

SAMPLE DISPOSITION Code

|___| Complete.....

|___| Requires Re-extraction.. 716

|___| Requires reprep..... 930

|___| Requires cleanup..... 901

Audited By _____ Date _____

COMPOUND LIST NO. - 177

COMPUCHEM # 84998 DATE

IDENTIFIER PESTICIDES (LOW LEVEL SOLID)

DIL FACT_____DRY WT_____ _30__SPLIT_____FINAL VOL_____/S = 1.75

AMT SAMPLE_____ CORRECTION FACTOR

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULTS	DETECTION LIMIT (ug/kg)
1.	0701	ALDRIN	24	8.0
2.	0702	ALPHA-BHC		8.0
3.	0703	BETA-BHC		8.0
4.	0704	GAMMA-BHC	59	8.0
5.	0705	DELTA-BHC		8.0
6.	0706	TECHNICAL CHLORDANE		80.0
7.	0707	4,4'-DDT	150	16.0
8.	0708	4,4'-DDE		16.0
9.	0709	4,4'-DDD		16.0
10.	0710	DIELDRIN	298	16.0
11.	0711	ENDOSULFAN I		8.0
12.	0712	ENDOSULFAN II		16.0
13.	0713	ENDOSULFAN SULFATE		16.0
14.	0714	ENDRIN	152	16.0
15.	0739	ENDRIN KETONE		16.0
16.	0716	HEPTACHLOR	150	8.0
17.	0717	HEPTACHLOR EPOXIDE		8.0
18.	0726	METHOXYCHLOR		80.0
19.	0724	AROCHLOR 1016		80.0
20.	0720	AROCHLOR 1221		80.0
21.	0721	AROCHLOR 1232		80.0
22.	0718	AROCHLOR 1242	~~3100~~	80.0
23.	0722	ARDCHLOR 1248	2900	80.0
24.	0719	ARDCHLOR 1254		160.0
25.	0723	AROCHLOR 1260		160.0
26.	~~0725~~	~~TOXARHENE~~		160.0

ANALYST'S COMMENTS:

5/22

ASSIGNED TO Owen

EXTRACTION WORKSHEET
LOW LEVEL PESTICIDE S/S/S

DATE ASSIGNED/POSTED 5/15/86

CASE # UPS Wat; 5898-3 (21 day Turnaround)

-716

QUEUE # 46

	SAMPLE NUMBER	EPA ID #	QC TYPE	SAMPLE ORIG #	SAMPLE WEICHT	SPLIT SV	VOLUME PEST.	ALUMINA START VOL.	FINAL VOL. 2x1mL 0.5	COMP. DATE	COMMENTS
1	84996		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
2	84997		SS	85002	30.0	9.0	1.0	1.0	2.0	5.15	use 84986, 90, 85000, 01-05 for QC.
3	84998		SS	85002	30.0	9.0	1.0	1.0	2.0	5.15	F-SEDIMENT
4											
5	85168		BS		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
6	85169		SS	85167	~~30.0~~ 30.0	9.0	1.0	1.0	2.0	5.15	use 85156, 58, 60, 67, 7273 for QC
7	85170		SS	85167	30.0	9.0	1.0	1.0	2.0	5.15	BF 149
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	85258		BLANK		30.0 g	9.0 mL	1.0 mL	1.0 mL	2.0 mL	5.15.86	
22	85259		BLANK		30.0	9.0	1.0	1.0	2.0	5.15	

	#	AMOUNT	LOT #
SURROGATE	395	2.0 ML	1766
SPIKE	4016	400 UL	12495

CHECKED AND VERIFIED _____ (GC LAB)

CASE DONE JBV (GC LAB) 05/15/86

AUTO. COUNTER 269/488; 489

MANUAL COUNTER 268/494

-716 ALUMINA BATCH # 5-13-86-AL

POSTED 5-15-86

5/14/5.