WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No. Gen. Test Contractor CompuChem Laboratories Contract No. 68-01-6881/68-01-6866

	[Volatile				Semi-Volatile								Pesticide]
SMO Traffic No.	Toluene (D8) (86-119)	BFB (85-121)	1,2 Dichloro Ethane-D4 (77-120)	Nitro Benzene-(D5) (41-120)	2-Fluoro Diphenyl (44-119)	Terphenyl D14 (33-128)		DIO-Pyrene (Lab Optional)	Phenol-D5 (15-103)	2-Fluoro-Phenol (23-121)	2,4,6 Tribromo Phenol (10-130)	Dibutyl Chlorendate (48-136)**	
50705-6	108	99	106	76	86	107		114	26	42	48	NR	
T/B/L/F	101	105	97	NR	NR	NR		NR	NR	NR	NR	NR	

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 6; outside of QC limits
Semi-Volatiles: 0 out of 15; outside of QC limits
Pesticides: 0 out of 0; outside of QC limits

Comments:

FORM II

Form II. Surrogate Percent Recovery Summary (water).

Sample Spike

WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No. Gen. Test Contractor CompuChem Laboratories Contract No. 68-01-6881/68-01-6866/7017

		[Volatile]							[Semi-Volatile]					[Pesticide]
	SMO Traffic No.	Toluene-D8 (78-119)	BFB (86-121)	1,2 Dichloro Ethane-D4 (77-120)	Nitro Benzene-D5 (41-120)	2-Fluoro Biphenyl (44-119)	Terphenyl D14 (33-128)		DIO-Pyrene (Lab Optional)	Phenol-D5 (15-103)	2-Fluoro-Phenol (23-121)	2,4,6 Tribromo Phenol (10-130)	Dibutyl Chlorendate (40-136)**	
MS	507052A	115	107	114	NR	NR	NR		NR	NR	NR	NR	NR	
MSD	507052A	110	105	110	NR	NR	NR		NR	NR	NR	NR	NR	
MS	507052C	NR	NR	NR	70	80	98		100	32	46	84	NR	
MSD	507052C	NR	NR	NR	70	74	93		94	34	48	81	NR	

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 6 outside of QC limits
Semi-Volatiles: 0 out of 12 outside of QC limits
Pesticides: ___ out of ___ outside of QC limits

Comments: _____

FORM II

Form II. Surrogate Percent Recovery Summary (water).

WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No. Gen Test Contractor CompuChem Laboratories Contract No. 68-01-6881/68-01-6866/7017

	[Volatile]							[Semi-Volatile]				[Pesticide]
SMO Traffic No.	Toluene-D8 (88-119)	BFB (86-121)	1,2 Dichloro Ethane-D4 (77-120)	Nitro Benzene-D5 (41-120)	2-Fluoro Biphenyl (48-119)	Terphenyl D14 (33-128)		D10-Pyrene (Lab Optional)	Phenol-D6 (15-103)	2-Fluoro-Phenol (23-121)	2,4,6 Tribromo Phenol (10-130)	Dibutyl Chlorendate (48-136) **
CB55050 9 BII	102	103	99	NR	NR	NR		NR	NR	NR	NR	NR
CB55052 9 AII	89	94	90	NR	NR	NR		NR	NR	NR	NR	NR
CC8505 09A12	96	97	97	NR	NR	NR		NR	NR	NR	NR	NR
CK0494 5 AII	93	90	88	NR	NR	NR		NR	NR	NR	NR	NR
CH0497 3A22	NR	NR	NR	74	90	112		116	44	58	55	NR

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 12 outside of QC limits
Semi-Volatiles: 0 out of 6 outside of QC limits
Pesticides: 0 out of 0 outside of QC limits

Comments:

FORM II

Form II. Surrogate Percent Recovery Summary (water).

WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No. Gen. Test Contractor Compuchem Contract No. Platinum

FRACTION	COMPOUND	CONC SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS* RPD	QC LIMITS* RECOVERY
VOA SMO SAMPLE NO 50705A-	1,1-Dichloroethene	50	5.0u	55	110	55	110	0	14	61-145
	Trichloroethene	50	5.0u	48	96	49	98	2	14	71-120
	Chlorobenzene	50	5.0u	48	96	48	96	0	13	75-130
	Toluene	50	5.0u	50	100	51	102	2	13	76-125
	Benzene	50	5.0u	53	106	54	108	2	11	76-127
B/N SMO SAMPLE NO. 50705C	1,2,4-Trichlorobenzene	~~50~~ 25	20u	17	68	15	60	13	28	39-98
	Acenaphthene	~~50~~ 25	20u	19	76	16	64	17	31	46-118
	2,4 Dinitrotoluene	~~50~~ 25	20u	16	64	12	48	29	38	24-96
	Di-n-Butylphthalate	~~50~~ 25	20u	20	80	18	72	16	40	11-117
	Pyrene	~~50~~ 25	20u	23	92	22	88	4	31	26-127
	N-Nitroso-Di-n-Propylamine	~~50~~ 25	20u	13	60	14	56	28	38	41-116
	1,4-Dichlorobenzene	~~50~~ 25	20u	16	64	15	60	6	28	36-97
ACID SMO SAMPLE NO. 50705C	Pentachlorophenol	~~100~~ 50	100u	42J	84	33J	66	24	50	9-103
	Phenol	~~100~~ 50	20u	16	32	13	30	6	42	12-89
	2-Chlorophenol	~~100~~ 50	20u	31	62	33	66	6	40	27-123
	4-Chloro-3-Methylphenol	~~100~~ 50	20u	29	58	32	64	10	42	23-97
	4-Nitrophenol	~~100~~ 50	100u	100u	24	100u	4	—	50	10-80
PEST SMO SAMPLE NO. _____	Lindane	.2							15	56-123
	Heptachlor	.2							20	40-131
	Aldrin	.2							22	40-120
	Dieldrin	.5							18	52-126
	Endrin	.5							21	56-121
	4,4'-DDT	.5							27	38-127

*ASTERISKED VALUES ARE OUTSIDE QC LIMITS

RPD: VOAs 0 out of 5; outside QC limits
B/N 0 out of 7; outside QC limits
ACID 0 out of 5; outside QC limits
PEST ___ out of 6; outside QC limits

RECOVERY: VOAs 0 out of 10; outside QC limits
B/N 0 out of 14; outside QC limits
ACID 2 out of 10; outside QC limits
PEST ___ out of 12; outside QC limits

Comments: _____

REAGENT BLANK SUMMARY

INSTRUMENT BLANK

Case No. Gen. Test Contractor COMPUCHEM Contract No. 68-01-6866

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (SPECIFY TIC OR MIXTURE)	CONC.	UNITS	QUAL
CB850509B11	5/9	VOA	L	L	11	75-09-2	Methylene Chloride	4.3J	ug/L	—
"	"	"	"	"	"	67-64-1	Acetone	9.2J	"	—
CB850509A12	5/9	"	L	"	12	75-09-2	methylene chloride	3.7J	ug/L	—
CB850529A11	5/29	"	L	L	11	75-09-2	Methylene Chloride	3.8 J	"	—

Comments:

REAGENT BLANK

Case No. Gen Test Contractor [illegible] Contract No. 68-01-6784

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC LEVEL	MST. ID	CAS NUMBER	COMPOUND (NOT TIC OR SPIKE)	CONC.	UNITS	CRDL
CN049945	5-29-85	V	L	L	A11	75-09-2	methylene chloride	5.6	ug/l	—
"		"		"		67-64-1	acetone	48.1	"	—
GH049973	5-19-85	SV	L	L	A22	629-74-3	aliphatic, unsaturated	21	"	—

Comments:

FORM IV

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

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-6866
-6881
68-01-6762

Case No. Gen. Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 22 Date 5-19-85 Time 8:06

Lab ID COMPUCHEM Date Release Authorized By: BK

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.24
68	less than 2.0% of mass 69	0.83 (0.00)[1]
69	mass 69 relative abundance	53.07
70	less than 2.0% of mass 69	0.04 (0.07)[1]
127	40.0 - 60.0% of mass 198	41.31
197	less than 1.0% of mass 198	-
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	16.37
365	greater than 1.00% of mass 198	1.09
441	present, but less than mass 443	5.58
442	greater than 40.0% of mass 198	43.85
443	17.0 - 23.0% of mass 442	8.10 (18.47)[2]

[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	OPERATOR	DISK	TAPE
	DH850519A22	5-19-85	8:06		213	
	HG850519A22			756		
EA287	SC850519A22			875		
↓	GD0488 40A22		12:05			
EA287	GD548840A22		12:48			
BL#1	BH04997 2A22		13:29	↓		
EA287	GD548840A22		14:09	756		
BL#1	AJ04997 2A22		15:06	875		
50705G	GH049861A22		15:54	↓		
BL#2	GH04997 3A22		16:36	644		
50705-C	GJ049861A22	↓	17:18	↓	↓	

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

-6784
-6866
-6881
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID Date Time

Lab ID COMPUCHEM Data Release Authorized By:

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

[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	OPERATOR	DISK	TAPE
DFTPP	G H050146 A22	5-19-85	17:57	644	213	
SS275/246	G H0 50080 A22	↓	18:35	↓	↓	
BB828	G H049799 A22	↓	19:14	↓	↓	

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

Page 1 of 2

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-6866
-6861
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 7 Date 5/25/85 Time 6:18

Lab ID COMPUCHEM Data Release Authorized By: 755

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.38
69	less than 2.0% of mass 69	0.37 (7.1)[1]
69	mass 69 relative abundance	46.38
70	less than 2.0% of mass 69	0.50 (1.08)[1]
127	40.0 - 60.0% of mass 198	42.32
197	less than 1.0% of mass 198	—
198	base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	5.53
275	10.0 - 30.0% of mass 198	19.46
365	greater than 1.00% of mass 198	1.73
441	present, but less than mass 443	5.58
442	greater than 40.0% of mass 198	45.58
443	17.0 - 23.0% of mass 442	8.08 (17.73[2])

[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	OPERATOR	DISK	TAPE
DFTPP	DH850525C07	5/25/85	6:18	755	78	
STD	HG850525C07	5/25/85	6:52	755	78	
STD-Chk	SUPCHK A07	5/25/85	7:59	644	78	
BLANK	GH051625A07	5/25/85	8:42	644	78	
SS	GR049805A07	5/25/85	9:28	644	78	
B4850705F	GR049811A07	5/25/85	10:13	644	78	
	GR049812A07	5/25/85	11:17	644	78	
	GR050168A07	5/25/85		644	25	
	GR050168A07	5/25/85	13:51	644	67	
	GR049806A07	5/25/85		644	67	
BB246	GR050173A07	5/25/85	15:40	683	67	

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

-6784
-6865
-8881

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No. 68-01-6762

Instrument ID 4 Date 5/25/85 Time 6:18

Lab ID COMPUCHEM Date Release Authorized By: 755

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

[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	OPERATOR	DISK	TAPE
BB249	GR050180A07	5/25/85	10:37	683	67	
BC#1	GH050639A07	5/25/85	12:23	825	67	
BB005	GH05045	5/25/85	17:59	875	67	

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

-6784
-6866
-8881

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No. 68-01-6762

Instrument ID 11 Date 5/9/85 Time 21:08

Lab ID COMPUCHEM Data Release Authorized By: M. O

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	17.9
75	30.0 - 60.0% of the base peak	45.5
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of the base peak	8.51
173	less than 1.0% of the base peak	—
174	Greater than 50.0% of the base peak	72.5
175	5.0 - 9.0% of mass 174	5.96 (8.22)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	70.4 (97.1)[1]
177	5.0 - 9.0% of mass 176	5.24 (17.44)[2]

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

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS	OPERATOR	DISK	TAPE
	DFB50509B11	5/9/85	2057	719	112	
	CBB50509B4		2125			
	CSB50509B11		2207			
11467	CN049642B11		2320			
EA287	CY048840B11	5/10/85	0002			
EA287	C2048840C11	~~5/9/85~~	0108	812		
SS	CY048984C11	"	0203			
SS	~~CR048~~ CR048987C11		0329			
EA286	CX049839C11		0439			

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

-6784
-6866
-6881
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 11 Date 5/29/85 Time 7:29 - 19:29

Lab ID COMPUCHEM Data Release Authorized By: 5/29/85

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE	
50	15.0 - 40.0% of the base peak	22.6	
75	30.0 - 60.0% of the base peak	55.2	
95	Base peak, 100% relative abundance	100	
96	5.0 - 9.0% of the base peak	6.15	
173	less than 1.0% of the base peak	—	
174	Greater than 50.0% of the base peak	66.7	
175	5.0 - 9.0% of mass 174	3.60	(5.40)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	65.9	(98.8)[1]
177	5.0 - 9.0% of mass 176	3.66	(5.55)[2]

[1] Value in parenthesis is % mass 177

[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	OPERATOR	DISK	TAPE
	BF8505291 11	5/29/85	0659	812	115	
	BF8505291 11		0718			
	CB8505291 11		0747			
	CB8505294A11		0847	577		
	CS8505294A11		0948			
HB1	CN0499444A11		1056			
BD074	CN0513384A11		1149			
HB2	CN0499454A11		1233			
BD077	CN0513494A11		1315			
BD078	CN0513504A11		1359			
BD079	CN0513514A11		1445			
SS	CN0513474A11		1545			
SS HB1	CN0513484B11 CN0513704B11		1639 1730	719		
AB300 AB300	CN0514704B11 CN0514704B11		1826			

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

-6784
-6866
-6881
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 12 Date 5/9/85 Time 9:11

Lab ID COMPUCHEM Date Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	17.67
75	30.0 - 60.0% of the base peak	24.14
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of the base peak	7.35
173	less than 1.0% of the base peak	—
174	Greater than 50.0% of the base peak	79.08
175	5.0 - 9.0% of mass 174	5.43 (6.86)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	77.60 (98.1)[1]
177	5.0 - 9.0% of mass 176	5.77 (7.43)[2]

[1] Value in parenthesis is % mass 99, 174
[2] Value in parenthesis is % mass 177, 176

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS	OPERATOR	DISK	TAPE
	BF850509A12	5/9/85	9:11	577	122	
	CB850509A12		10:26			
	CC850509A12		11:18			
	CT850509A12		12:20			
	CU850509A12		13:20			
	CV850509A12		14:28			
	CW850509A12		15:15			
	CX850509A12		16:05			
	CS850509B12		16:50	719		
50705A	CN049803B12		17:57			
50705F	CN049811B12		18:39			
SS	CN049808B12		19:21			
SS	CN049809B12		20:03			
50705B	CN049812B12		20:58			
—	CN049861B12		21:3			

Sample Spike

WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No. GSW TEST Contractor CompuChem Laboratories Contract No. 68-01-6881/68-01-6866

[Volatile] [Semi-Volatile] [Pesticide]

SMO Traffic No.	Toluene D8 (86-119)	BFB (86-121)	1,2 Dichloro Ethane-D4 (77-120)	Nitro Benzene-D5 (41-120)	2-Fluoro Biphenyl (44-119)	Terphenyl D14 (33-128)		DIO-Pyrene (Lab Optional)	Phenol-D5 (15-103)	2-Fluoro-Phenol (23-121)	2,4,6 Tribromo Phenol (10-130)	Dibutyl Chlorendate (48-136) **	
507054	100	96	99	58	68	46		54	19	26	57	NR	✓
507054	105	97	101	* 68	75	94		98	27	42	62	NR	✓
507054	114	105	112	* 60	57	81		77	21	26	51	NR	✓
507054	111	108	98	64	70	66		69	34	45	64	NR	✓
11446	113	107	102	62	68	61		64	31	48	51	NR	✓
11448	106	104	96	NR	NR	NR		NR	NR	NR	NR	NR	✓
11452	100	96	90	NR	NR	NR		NR	NR	NR	NR	NR	✓
11450	109	102	98	NR	NR	NR		NR	NR	NR	NR	NR	✓

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 24 outside of QC limits
Semi-Volatiles: 0 out of 24 outside of QC limits
Pesticides: 0 out of 0 outside of QC limits

Comments:

FORM II

Form II. Surrogate Percent Recovery Summary (water).

Sample Spike

WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No. Gpr. Test Contractor CompuChem Laboratories Contract No. 68-01-6881/68-01-6866/7017

	[Volatile]							[Semi-Volatile]					[Pesticide]
	EPA Traffic No.	Toluene-D8 (86-119)	BFB (85-121)	1,2 Dichloroethane-D4 (77-120)	Nitrobenzene-D5 (41-120)	2-Fluorobiphenyl (48-119)	Terphenyl-D14 (33-128)		D10-Pyrene (Lab Optional)	Phenol-D5 (15-103)	2-Fluorophenol (23-121)	2,4,6-Tribromophenol (10-130)	Dibutyl Chlorendate (40-136)**
MS	50705A	115	107	114	NL	NL	NL		NL	NL	NL	NL	NL
MSD	50705A	110	105	110	NL	NL	NL		NL	NL	NL	NL	NL
MS	50705C	NL	NL	NL	70*	80	98		100	32	46	84	NL
MSD	50705C	NL	NL	NL	70*	74	93		94	34	48	81	NL

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 6 outside of QC limits
Semi-Volatiles: 0 out of 10 outside of QC limits
Pesticides: 0 out of 0 outside of QC limits

Comments:

FORM II

Form II. Surrogate Percent Recovery Summary (water).

WATER SURROGATE PERCENT RECOVERY SUMMARY

Case No. Gen Test Contractor Commuchem Labratories Contract No. 68-01-6881/68-01-6866

	[Volatile]							[Semi-Volatile]				[Pesticide]
SMO Traffic No.	Toluene (D8 (88-119)	BFB (86-121)	1,2 Dichloro Ethane-D4 (77-120)	Nitro Benzene-D5 (41-120)	2-Fluoro Biphenyl (44-119)	Terphenyl D14 (33-128)		Oil-Pyrene (Lab Optional)	Phenol-D5 (15-103)	2-Fluoro-Phenol (25-121)	2,4,6,Tribromo Phenol (10-130)	Dibutyl Chlorendate (48-136)
[illegible]	102	103	99	NR	NR	NR		NR	NR	NR	NR	NR
[illegible]	96	97	97	NR	NR	NR		NR	NR	NR	NR	NR
[illegible]	103	104	97	NR	NR	NR		NR	NR	NR	NR	NR
[illegible]	98	102	93	NR	NR	NR		NR	NR	NR	NR	NR
[illegible]	100	104	103	NR	NR	NR		NR	NR	NR	NR	NR
[illegible]	NR	NR	NR	63	82	94		98	44	67	67	NR
[illegible]	NR	NR	NR	76	70	103		107	31	48	65	NR

*VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 15 outside of QC limits
Semi-Volatiles: 8 out of 72 outside of QC limits
Pesticides: 8 out of 105 outside of QC limits

Comments:

FORM II

Form II. Surrogate Percent Recovery Summary (water).

WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No. Gen. Test Contractor Compuchem Contract No. Platinum

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS* RPD	QC LIMITS* RECOVERY
VOA SMO SAMPLE NO. 50705A	1,1-Dichloroethene	50	5.0 u	55	110	53	110	0	14	61-145
	Trichloroethene	50	5.0 u	48	96	49	98	2	14	71-120
	Chlorobenzene	50	5.0 u	48	96	48	96	0	13	75-130
	Toluene	50	5.0 u	50	100	51	102	2	13	76-125
	Benzene	50	5.0 u	53	106	54	108	2	11	76-127
B/N SMO SAMPLE NO. 50705C	1,2,4-Trichlorobenzene	~~50~~ 25	20 u	17	68	15	60	13	28	39-98
	Acenaphthene	~~50~~ 25	20 u	19	76	16	64	17	31	46-118
	2,4 Dinitrotoluene	~~50~~ 25	20 u	16	64	12	48	29	38	24-96
	Di-n-Butylphthalate	~~50~~ 25	20 u	20	80	18	72	16	40	11-117
	Pyrene	~~50~~ 25	20 u	23	92	22	88	4	31	26-127
	N-Nitroso-Di-n-Propylamine	~~50~~ 25	20 u	13	60	14	56	28	38	41-116
	1,4-Dichlorobenzene	~~50~~ 25	20 u	16	64	15	60	6	28	36-97
ACID SMO SAMPLE NO. 50705C	Pentachlorophenol	~~100~~ 50	100 u	42 J	84	33 J	66	24	50	9-103
	Phenol	~~100~~ 50	20 u	16	32	13	50	6	42	12-89
	2-Chlorophenol	~~100~~ 50	20 u	31	62	33	66	6	40	27-123
	4-Chloro-3-Methylphenol	~~100~~ 50	20 u	29	58	32	64	10	42	23-97
	4-Nitrophenol	~~100~~ 50	100 u	100 u	—%	100 u	—%	—	50	10-80
PEST SMO SAMPLE NO. _____	Lindane	.2							15	56-123
	Heptachlor	.2							20	40-131
	Aldrin	.2							22	40-120
	Dieldrin	.5							18	52-126
	Endrin	.5							21	56-121
	4,4'-DDT	.5							27	38-127

*ASTERISKED VALUES ARE OUTSIDE QC LIMITS.

RPD: VOAs 0 out of 5; outside QC limits
B/N 0 out of 7; outside QC limits
ACID 0 out of 5; outside QC limits
PEST ___ out of 6; outside QC limits

RECOVERY: VOAs 0 out of 10; outside QC limits
B/N 0 out of 14; outside QC limits
ACID 2 out of 10; outside QC limits
PEST ___ out of 12; outside QC limits

Comments: 4-nitrophenol spiked at a concentration less than the repeatable detection limit as prescribed by EPA.

5/31/85

FORM III

4/84

REAGENT BLANK SUMMARY

Case No. Con. Test Contractor CompuChem Contract No. 68.01.6784

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC/LEVEL	INST. ID	CAS NUMBER	COMPOUND (NON-TIC OR SPIKE)	CONC.	UNITS	CAL#
CN049720	5/7/85	VOA	LIQ.	L	A11	75-09-2	methylene Chloride	5.2	ug/L	—
"	"	"	"	"	"	67-64-1	Acetone	7.6J	"	—
GH049899	5/7/85	SV	"	"	B16	—	None	—	—	—
GH051625	5/25	"	"	"	A07	629-74-3	Lab Artifact	280J	ug/L	—

Comments:

FORM

4/84

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

-6784
-6866
-6881
68-01-6762

Case No. GenTest Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 16 Date 5/22/85 Time 11:58

Lab ID COMPUCHEM Data Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.25
68	less than 2.0% of mass 69	— ( )[1]
69	mass 69 relative abundance	44.79
70	less than 2.0% of mass 69	— ( )[1]
127	40.0 - 60.0% of mass 198	40.28
197	less than 1.0% of mass 198	—
198	base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	6.83
275	10.0 - 30.0% of mass 198	19.91
365	greater than 1.00% of mass 198	1.93
441	present, but less than mass 443	9.85
442	greater than 40.0% of mass 198	74.82
443	17.0 - 23.0% of mass 442	13.10 (17.51)[2]

[1] Value in parenthesis is % mass 69.
[2] Value in parenthesis is % mass 443.

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS	OPERATOR	DISK	TAPE
	DH850522A16	5/22/85		740	2778	
	DT850522A16	5/22/85				
	HG850522A16	5/22/85		740	2778	
	HH850522A16	5/22/85		740	2778	
	SC850522A16	5/22/85		740	2778	
SS	GH049806A16	5/22/85	15:38	740	2778	
SS	GJ049805B16	5/22/85	Ka'26	803	2778	
50705A	GH049803B16	5/22/85	17:17	803	2778	
50705F	GH049811B16	5/22/85	12:52	803	2778	
50705B	GH049812B16	5/22/85	18:35	803	2778	
50705C	GH049813B16	5/22/85	20:16	803	2778	

GC/MS TUNING AND MASS CALIBRATION

Decafluorotriphenylphosphine (DFTPP)

-6784
-6866
-6881
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 16 Date 5/22/85 Time 11:58

Lab ID COMPUCHEM Data Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	
69	less than 2.0% of mass 69	( )[1]
69	mass 69 relative abundance	
70	less than 2.0% of mass 69	( )[1]
127	40.0 - 60.0% of mass 198	
197	less than 1.0% of mass 198	
198	base peak, 100% relative abundance	
199	5.0 - 9.0% of mass 198	
275	10.0 - 30.0% of mass 198	
365	greater than 1.00% of mass 198	
441	present, but less than mass 443	
442	greater than 40.0% of mass 198	
443	17.0 - 23.0% of mass 442	( )[2]

[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	OPERATOR	DISK	TAPE
MBLK 11446	GH049814B16	5/22/85		803	2778	
MBLK 11446	GJ049814B16	5/22/85	22:29	803	2778	
B #1	GH050088B16	5/23/85	23:04	803	2778	

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

-6784
-6866
-6881

Case No. GenTest Contractor COMPUCHEM LABORATORIES Contract No. 68-01-6762

Instrument ID 7 Date 5/25/85 Time 6:18

Lab ID COMPUCHEM Data Release Authorized By: 755

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.38
68	less than 2.0% of mass 69	0.37 (7.1)[1]
69	mass 69 relative abundance	46.38
70	less than 2.0% of mass 69	0.50 (1.08)[1]
127	40.0 - 60.0% of mass 198	42.32
197	less than 1.0% of mass 198	—
198	base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	5.53
275	10.0 - 30.0% of mass 198	19.46
365	greater than 1.00% of mass 198	1.73
441	present, but less than mass 443	5.58
442	greater than 40.0% of mass 198	45.58
443	17.0 - 23.0% of mass 442	8.08 (17.7)[2]

[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	OPERATOR	DISK	TAPE
DFTPP	DH850525C07	5/25/85	6:18	755	78	
STD	HG850525C07	5/25/85	6:52	755	78	
STD-Chk	SUPCHK A07	5/25/85	7:59	644	78	
BLANK	GH051625A07	5/25/85	8:42	644	78	
SS	GR049805A07	5/25/85	9:28	644	78	
BU850705F	GR049811A07	5/25/85	10:13	644	78	
	GR049812A07	5/25/85	11:17	644	78	
	GR050168A07	5/25/85		644	25	
	GR050168RA07	5/25/85	13:51	644	67	
	GR049806A07	5/25/85		644	67	
BB206	GR050123A07	5/25/85	15:46	683	67	

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

-6784
-6866
-6881
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 4 Date 5/25/85 Time 6:18

Lab ID COMPUCHEM Date Release Authorized By: 755

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

[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	OPERATOR	DISK	TAPE
BB249	GR050180A07	5/25/85	16:39	683	67	
BL#1	GH050639A07	5/25/85	12:23	875	67	
BB005	GH05045	5/25/85	17:59	875	67	

GC/MS TUNING AND MASS CALIBRATION
Decafluorotriphenylphosphine (DFTPP)

-6784
-6866
-6881
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 16 Date 5/17/85 Time 1911

Lab ID COMPUCHEM Data Release Authorized By: GPM

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.86
68	less than 2.0% of mass 69	— (—)[1]
69	mass 69 relative abundance	42.49
70	less than 2.0% of mass 69	— (—)[1]
127	40.0 - 60.0% of mass 198	51.70
197	less than 1.0% of mass 198	—
198	base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	7.12
275	10.0 - 30.0% of mass 198	20.39
365	greater than 1.00% of mass 198	2.35
441	present, but less than mass 443	12.05
442	greater than 40.0% of mass 198	68.60
443	17.0 - 23.0% of mass 442	14.45 (21.1)[2]

[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	OPERATOR	DISK	TAPE
DFTPP	DH850517B16	5-17-85		863	2917	
DFTPP	DI850517B16	"	19:11	"	"	
STD	HI850517B16	"	19:26	"	"	
✓	SC850517B16	"	20:37	"		
BD390	BJ0494B4B16	"	21:03	↓		
~~BD~~ 1	BH0498991316	✓	21:45	✓	✓	

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

-8784
-8866
-8881
68-01-6762

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No.

Instrument ID 12 Date 5/9/85 Time 9:11

Lab ID COMPUCHEM Data Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	17.62
75	30.0 - 60.0% of the base peak	24.14
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of the base peak	7.35
173	less than 1.0% of the base peak	—
174	Greater than 50.0% of the base peak	79.08
175	5.0 - 9.0% of mass 174	5.43 (6.8)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	77.60 (98.1)[1]
177	5.0 - 9.0% of mass 176	5.77 (7.43)[2]

[1] Value in parenthesis is % mass 69. 174
[2] Value in parenthesis is % mass 442. 176

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS	OPERATOR	DISK	TAPE
	BF850509A12	5/9/85	9:11	577	122	
	CB850509A12		10:26			
	CC850509A12		11:18			
	CT850509A12		12:20			
	CU850509A12		13:20			
	CV850509A12		14:28			
	CW850509A12		15:15			
	CX850509A12		16:05			
	CS850509B12		16:50	719		
50705A	CN049803B12		17:57			
50705F	CN049811B12		18:39			
SS	CN049808B12		19:21			
SS	CN049809B12		20:03			
50705B	CN049812B12		20:58			
—	CN049861B12		21:38			

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

-6784
-6866
-6881

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No. 68-01-6762

Instrument ID 11 Date 5/9/85 Time 8:01-20:01

Lab ID COMPUCHEM Data Release Authorized By: [signature] 5/9/85

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE	
50	15.0 - 40.0% of the base peak	19.9	
75	30.0 - 60.0% of the base peak	49.5	
95	Base peak, 100% relative abundance	100	
96	5.0 - 9.0% of the base peak	7.53	
173	less than 1.0% of the base peak	—	
174	Greater than 50.0% of the base peak	72.7	
175	5.0 - 9.0% of mass 174	6.65	(8.8)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	76.0	(97.8)[1]
177	5.0 - 9.0% of mass 176	6.75	(8.8)[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	OPERATOR	DISK	TAPE
	BFB50509C11	5/9/85	0750	812	112	
	CBB50509C11		0814			
	CS850509A11		0909			
	CBS0509A11		1002	577		
	CTB50509A11		1050			
	CCB50509A11		1149			
	CDB50509A11		1262			
	CEB50509A11		1423			
	BCFB50509A11		1525			
11450	CN049817B11		1644	719		
11452	CN049816B11		1726			
11448	CN049815B11		1829			
11446	CN049814B11		1910			
5075C	CN049813B11		1952			

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

-6784
-6866
-6881

Case No. Gen Test Contractor COMPUCHEM LABORATORIES Contract No. 68-01-6762

Instrument ID 11 Date 5/7/85 Time 04:35 - 16:35

Lab ID COMPUCHEM Data Release Authorized By: [signature]

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	18.2
75	30.0 - 60.0% of the base peak	48.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of the base peak	8.32
173	less than 1.0% of the base peak	—
174	Greater than 50.0% of the base peak	74.6
175	5.0 - 9.0% of mass 174	6.02 (8.07)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	71.3 (95.6)[1]
177	5.0 - 9.0% of mass 176	6.24 (8.75)[2]

[1] Value in parenthesis is % mass 69.
[2] Value in parenthesis is % mass 443.

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

SAMPLE IO	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS	OPERATOR	DISK	TAPE
	BFB50507C11	5/7/85	0424	817	111	
	CB850507C11		0439			
	CS850507C11		0549			
	CT850507C11		0633			
SS	CN049779C4		0731			
SS	CN049780A11		0820	577		
HB1	CN049801A4		0906			
D2241	CN049706A11		0959			
DB459	CN049692A11		1100			
SS	GH049702A4		1154			
SS	CN049703A11		1237			
HB1	CN049720A11		1328			
DB811 HB2	CN049722A11 CN049721A11		1413 1459			
DB813 DB814	CN049723A4 CN049724B11		1545 1625	719		

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	14679	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	------	-------	--
DB-Toluene	------	-------	--

COMPOUND NAME	HJ341108A07	HG841109A07	HG841109A07	AVERAGE	SD	DET. LIMIT
N-NITROSODIMETHYLAMINE	48.17	56.96	61.22	55.45	6.65	19.96
PHENOL	57.05	63.22	67.03	62.43	5.04	15.11
ANILINE	160.25	29.07	199.26	129.53	89.16	267.47
BIS (2-CHLOROETHYL) ETHER	54.16	62.50	64.62	60.43	5.53	16.59
2-CHLOROPHENOL	50.61	53.49	53.81	52.64	1.76	5.29
1,3-DICHLOROBENZENE	52.27	52.12	50.44	51.61	1.02	3.05
1,4-DICHLOROBENZENE	47.99	47.89	49.19	48.36	.72	2.17
BENZYL ALCOHOL	56.67	61.49	66.09	61.42	4.71	14.13
1,2-DICHLOROBENZENE	50.81	50.09	49.83	50.24	.51	1.52
2-METHYL PHENOL	55.01	59.12	62.16	58.76	3.59	10.76
BIS (2-CHLOROISOPROPYL) ETHER	57.35	68.43	82.33	69.37	12.52	37.55
4-METHYL PHENOL	57.47	61.03	64.78	61.09	3.66	10.97
N-NITROSO-DI-N-PROPYLAMINE	60.88	70.62	78.11	69.87	8.64	25.92
HEXACHLOROETHANE	50.74	54.79	58.26	54.60	3.76	11.29
NITROBENZENE	58.22	66.53	76.43	67.06	9.12	27.35
ISOPHORONE	55.91	61.23	68.33	61.82	6.23	18.69
2-NITROPHENOL	56.10	55.20	54.34	55.21	.68	2.64
2,4-DIMETHYLPHENOL	49.05	49.10	50.38	49.51	.75	2.26
BENZOIC ACID	59.06	65.41	56.17	60.21	4.73	14.18
BIS (2-CHLOROETHOXY)METHANE	56.65	61.61	66.32	61.53	4.84	14.51
2,4-DICHLOROPHENOL	49.45	43.97	44.34	45.92	3.06	9.19
1,2,4-TRICHLOROBENZENE	48.88	45.11	41.13	45.04	3.88	11.63
NAPTHALENE	48.65	49.08	51.57	49.77	1.58	4.73
4-CHLORO-ANILINE	147.80	366.94	295.16	269.97	111.72	335.16
HEXACHLOROBUTADIENE	48.02	45.04	41.21	44.76	3.41	10.24
P-CHLORO-M-CRESOL	54.10	58.37	66.57	59.68	6.34	19.01
2-METHYLNAPTHALENE	47.89	48.45	49.74	48.69	.95	2.85
HEXACHLOROCYCLOPENTADIENE	50.81	48.44	45.21	48.15	2.81	8.43
2,4,6-TRICHLOROPHENOL	46.76	89.77	87.31	74.61	24.15	72.46
2,4,5-TRICHLOROPHENOL	51.22	49.32	75.61	58.72	14.66	43.98
2-CHLORONAPTHALENE	49.41	51.48	50.02	50.30	1.06	3.19
2-NITROANILINE	58.06	77.80	94.21	76.69	18.10	54.30
DIMETHYL PHTHALATE	49.40	50.53	52.38	50.77	1.50	4.51
ACENAPTHYLENE	48.20	48.60	50.98	49.26	1.50	4.51
3-NITROANILINE	59.97	100.34	109.27	89.86	26.27	78.80
ACENAPTHENE	49.26	49.81	52.45	50.51	1.71	5.12
2,4-DINITROPHENOL	58.03	73.55	55.02	62.20	9.94	29.83
4-NITROPHENOL	55.17	58.34	59.21	57.57	2.13	6.38
DIBENZOFURAN	49.86	48.17	50.09	49.37	1.05	3.15
2,4-DINITROTOLUENE	53.73	70.50	81.28	68.50	13.88	41.65
2,6-DINITROTOLUENE	51.99	54.01	55.81	53.94	1.91	5.73
DIETHYL PHTHLATE	50.41	53.95	56.95	53.77	3.27	9.82
4-CHLOROPHENYL-PHENYL ETHER	47.25	45.80	44.13	45.73	1.56	4.68
FLUORENE	48.32	48.44	47.21	47.99	.68	2.03
4-NITROANILINE	48.98	50.50	64.43	54.64	8.52	25.55
4,6-DINITRO-2-METHYLPHENOL	55.00	74.41	55.86	61.76	10.97	32.90
N-NITROSODIPHENYLAMINE	45.87	57.67	53.89	52.48	6.03	18.08
4-BROMOPHENLY PHENYL ETHER	48.81	47.92	45.04	47.26	1.97	5.91
HEXACHLOROBENZENE	48.02	48.65	45.42	47.36	1.71	5.14
PENTACHLOROPHENOL	44.01	59.36	44.90	49.42	8.62	25.85

(cont'd)

PHENANTHRENE	49.10	47.27	48.55	48.31	.94	2.82
ANTHRACENE	48.55	49.12	49.36	49.01	.42	1.25
DI-N-BUTYL PHTHALATE	50.07	65.50	62.49	59.35	8.18	24.54
FLUORANTHENE	45.76	44.84	48.03	46.21	1.64	4.93
BENZIDINE	52.78	63.55	53.49	56.61	6.02	18.07
PYRENE	48.32	54.08	48.62	50.34	3.24	9.73
BUTYLBENZYL PHTHALATE	54.75	72.04	68.35	65.05	9.11	27.32
3,3 DICHLOROBENZIDINE	72.36	46.11	48.61	55.69	14.49	43.46
BENZO(A)ANTHRACENE	50.39	50.78	42.53	47.90	4.65	13.96
BIS-(2-ETHYLHEXYL) PHTHALATE	50.83	68.65	60.28	59.92	8.92	26.75
CHRYSENE	48.76	60.20	50.41	53.12	6.18	18.55
DI-N-OCTYL PHTHALATE	52.96	82.13	52.78	62.62	16.89	50.68
BENZO(B)FLUORANTHENE	48.83	53.17	52.15	51.38	2.27	6.81
BENZO(K)FLUORNTHENE	44.42	53.17	46.66	48.08	4.55	13.64
BENZO(A)PYRENE	50.36	49.26	48.90	49.51	.76	2.28

MINIMUM INSTUMENT 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	966	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	2518	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'DDE	.02	1615	1612	1566	1598	27.3	0.00103
ENDRIN	.04	1304	1287	1256	1282	24.3	0.00228
PP'DDD	.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
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

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
ODO	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
ALORIN	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

Initial Calibration Data
Volatile HSL Compounds

Case No: Gen. Test
Contractor: CompuChem Laboratories
Tract No.

Instrument ID : GHA 011
Calibration Date : 05/01/85

Minimum Avg RF for SPCC is 0.300

Maximum %RSD for CCC is 30%

Laboratory ID	CH050501B11	CH050501B11	CH050501B11	CH050501B11	CH050501B11			
Compound	RF(20)	RF(30)	RF(100)	RF(150)	RF(200)	Avg RF	%RSD	CCC * SPCC **
METHYL CHLORIDE	2.933	2.172	1.930	2.012	1.696	2.149	21.925	* *
METHYL BROMIDE	3.713	2.704	2.357	2.529	2.251	2.731	20.794	
VINYL CHLORIDE	2.974	2.218	1.882	2.049	1.934	2.212	20.142	*
CHLOROETHANE	1.595	1.168	.999	1.069	.998	1.166	21.408	
METHYLENE CHLORIDE	2.760	2.171	1.756	1.677	1.623	1.997	23.916	
ACETONE (2-PROPANONE)	.554	.381	.302	.307	.302	0.369	29.450	
CARBON DISULFIDE	6.112	3.701	4.034	4.329	4.321	4.499	20.837	
1,1-DICHLOROETHYLENE	1.518	1.430	1.228	1.286	1.279	1.349	8.984	*
1,1-DICHLOROETHANE	2.648	2.646	2.163	2.112	2.198	2.393	13.874	* *
1,2-TRANS-DICHLOROETHYLENE	1.670	1.586	1.327	1.270	1.334	1.437	12.405	
CHLOROFORM	4.172	3.799	3.186	3.092	3.118	3.473	14.017	*
1,2-DICHLOROETHANE	2.963	2.738	2.240	2.154	2.132	2.445	15.551	
2-BUTANONE	.027	.020	.015	.016	.016	0.019	25.924	
1,1,1-TRICHLOROETHANE	.569	.542	.431	.412	.423	0.476	15.557	
CARBON TETRACHLORIDE	.608	.598	.480	.464	.478	0.526	13.523	
VINYL ACETATE	.482	.452	.376	.410	.459	0.436	9.710	
BROMODICHLOROMETHANE	.655	.642	.520	.510	.522	0.570	12.637	
1,2-DICHLOROPROPANE	.342	.326	.269	.263	.279	0.296	12.119	*
TRANS-1,3-DICHLOROPROPYLENE	.227	.219	.192	.174	.193	0.201	10.813	
TRICHLOROETHYLENE	.592	.549	.454	.428	.426	0.490	15.513	
CHLORODIBROMOMETHANE	.660	.638	.561	.542	.543	0.593	10.249	
1,1,2-TRICHLOROETHANE	.388	.385	.329	.319	.321	0.348	10.058	
BENZENE	1.041	1.036	.859	.834	.850	0.924	11.349	
CIS-1,3-DICHLOROPROPYLENE	.819	.845	.712	.786	.737	0.764	8.375	
2-CHLOROETHYLVINYL ETHER	.152	.146	.136	.127	.139	0.142	6.805	
BROMOFORM	.436	.427	.389	.390	.400	0.409	5.326	* *
2-HEXANONE	.253	.215	.176	.189	.205	0.207	14.196	
4-METHYL-2-PENTANONE	.171	.139	.114	.127	.137	0.137	15.289	
TETRACHLOROETHYLENE	.638	.580	.501	.468	.464	0.534	15.626	
1,1,2,2-TETRACHLOROETHANE	.505	.469	.411	.412	.416	0.443	9.591	* *
TOLUENE	.877	.792	.636	.621	.622	0.713	16.136	*
CHLOROBENZENE	1.395	1.225	1.006	.947	.932	1.101	18.351	* *
ETHYLBENZENE	.734	.648	.523	.494	.487	0.577	18.901	*
STYRENE	1.805	1.516	1.188	1.196	1.187	1.378	20.102	
TOTAL XYLENES	1.233	1.034	.787	.796	.788	0.928	21.653	

RF - Response Factor (subscript is the amount of ug/L)
Avg 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: Gen. Test
Contractor: CompuChem Laboratories
Contract No. _____

Instrument ID : GCA 812
Calibration Date : 05/09/85

Minimum Avg RF for SPCC is 0.300

Maximum %RSD for CCC is 30%

Laboratory ID	CV050509A12	CT050509A12	CV050509A12	CW050509A12	CX050509A12			
Compound	RF(20)	RF(50)	RF(150)	RF(150)	RF(200)	Avg RF	%RSD	CCC * SPCC **
METHYL CHLORIDE	.841	.714	.809	.625	.705	0.739	11.763	**
METHYL BROMIDE	1.409	1.126	1.273	1.192	1.721	1.244	8.541	
VINYL CHLORIDE	1.089	.890	1.024	.906	.972	0.976	8.480	*
CHLOROETHANE	.569	.489	.538	.477	.522	0.519	7.181	
METHYLENE CHLORIDE	1.046	.817	1.087	1.021	.890	0.956	10.276	
ACETONE (2-PROPANONE)	.331	.194	.206	.176	.140	0.209	34.603	
CARBON DISULFIDE	2.995	2.636	2.931	2.506	2.752	2.764	7.326	
1,1-DICHLOROETHYLENE	.841	.779	1.037	1.024	.889	0.914	12.395	*
1,1-DICHLOROETHANE	1.570	1.365	1.872	1.686	1.607	1.660	13.270	**
1,2-TRANS-DICHLOROETHYLENE	.894	.805	1.068	1.055	.907	0.946	11.942	
CHLOROFORM	2.083	1.802	2.440	2.483	2.084	2.178	13.007	*
1,2-DICHLOROETHANE	1.378	1.208	1.640	1.649	1.321	1.439	13.718	
2-BUTANONE	.030	.023	.023	.021	.015	0.023	24.666	
1,1,1-TRICHLOROETHANE	.418	.384	.495	.497	.416	0.442	11.559	
CARBON TETRACHLORIDE	.445	.409	.524	.517	.429	0.465	11.339	
VINYL ACETATE	.450	.375	.395	.344	.307	0.374	14.383	
BROMODICHLOROMETHANE	.481	.434	.565	.585	.475	0.508	12.685	
1,2-DICHLOROPROPANE	.284	.290	.320	.324	.267	0.289	11.297	*
TRANS-1,3-DICHLOROPROPYLENE	.189	.171	.226	.235	.190	0.202	13.398	
TRICHLOROETHYLENE	.426	.372	.451	.426	.348	0.405	10.578	
CHLORODIBROMOMETHANE	.455	.401	.491	.489	.384	0.444	11.138	
1,1,2-TRICHLOROETHANE	.287	.242	.282	.276	.207	0.259	13.051	
BENZENE	.614	.518	.633	.623	.512	0.580	10.283	
CIS-1,3-DICHLOROPROPYLENE	.559	.487	.609	.620	.479	0.551	12.034	
2-CHLOROETHYLVINYL ETHER	.134	.145	.195	.207	.146	0.169	17.257	
BROMOFORM	.365	.348	.499	.511	.355	0.416	19.719	**
2-HEXANONE	.283	.243	.285	.272	.210	0.258	12.415	
4-METHYL-2-PENTANONE	.195	.159	.191	.176	.129	0.170	15.815	
TETRACHLOROETHYLENE	.446	.396	.528	.497	.414	0.456	12.165	
1,1,2,2-TETRACHLOROETHANE	.432	.379	.492	.488	.328	0.424	16.695	**
TOLUENE	.902	.444	.587	.588	.487	0.522	12.219	*
CHLOROBENZENE	.800	.703	.919	.920	.761	0.821	11.767	**
ETHYLBENZENE	.428	.360	.493	.491	.407	0.440	11.453	*
STYRENE	1.293	1.073	1.165	1.010	1.026	1.113	10.506	
TOTAL XYLENES	.749	.609	.666	.571	.588	0.637	11.405	

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

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

Initial Calibration Data
Semivolatile BSL Compounds
(Page 1)

Case No: Gen. Test
F actor: CompuChem Laboratories
(act No. _____

Instrument ID : HHA 016
Calibration Date : 05/17/85

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	BC000020A16	BI050517A16	BW050517B16	BC050517B16	BC000160A16			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
N-NITROSODIMETHYLAMINE	1.173	1.348	1.209	1.173	1.293	1.239	6.316	
PHENOL	2.356	2.584	2.385	2.268	2.269	2.372	5.454	*
ANILINE	2.506	2.290	2.485	2.045	2.121	2.289	9.087	
BIS (2-CHLOROETHYL) ETHER	2.050	2.114	1.894	1.901	1.962	1.984	4.632	
2-CHLOROPHENOL	1.542	1.588	1.495	1.479	1.469	1.519	3.023	
1,3-DICHLOROBENZENE	1.658	1.595	1.561	1.527	1.404	1.549	6.090	
1,4-DICHLOROBENZENE	1.869	1.691	1.705	1.696	1.516	1.696	7.377	*
BENZYL ALCOHOL	1.025	1.056	1.013	.968	1.100	1.034	5.048	
1,2-DICHLOROBENZENE	1.681	1.529	1.485	1.543	1.352	1.518	7.765	
O-CRESOL	1.307	1.479	1.359	1.336	1.421	1.420	5.200	
BIS (2-CHLOROISOPROPYL) ETHER	2.831	3.067	2.683	2.735	3.142	2.892	7.025	
P-CRESOL	1.581	1.611	1.501	1.491	1.506	1.538	3.535	
N-NITROSODI-N-PROPYLAMINE	1.268	1.442	1.238	1.144	1.380	1.313	7.072	* *
HEXACHLOROETHANE	.830	.782	.744	.772	.725	0.771	5.226	
NITROBENZENE	1.656	1.638	1.643	1.618	1.737	1.658	2.765	
[illegible]ORONE	.806	.907	.842	.822	.852	0.846	4.552	
[illegible]ROPHENOL	.186	.205	.192	.194	.197	0.195	3.530	*
2,4-DIMETHYLPHENOL	.330	.352	.333	.317	.367	0.340	5.847	
BIS (2-CHLOROETHOXY) METHANE	.463	.533	.505	.477	.508	0.497	5.600	
BENZOIC ACID	.047	.167	.145	.144	.187	0.128	39.003	
2,4-DICHLOROPHENOL	.228	.255	.242	.238	.237	0.240	4.126	
1,2,4-TRICHLOROBENZENE	.260	.270	.266	.265	.232	0.260	6.013	
NAPHTHALENE	1.175	1.104	1.124	1.073	.845	1.064	12.024	
4-CHLOROANILINE	.388	.471	.451	.416	.429	0.431	7.382	
HEXACHLOROBUTADIENE	.133	.126	.135	.130	.111	0.127	7.417	*
P-CHLORO-M-CRESOL	.283	.329	.311	.297	.318	0.307	5.865	*
2-METHYLNAPHTHALENE	.648	.603	.586	.595	.508	0.588	9.041	
HEXACHLOROCYCLOPENTADIENE	.282	.305	.305	.342	.293	0.305	7.332	* *
2,4,6-TRICHLOROPHENOL	.316	.345	.342	.318	.296	0.324	6.281	*
2,4,5-TRICHLOROPHENOL	.316	.345	.342	.318	.296	0.324	6.281	
2-CHLORONAPHTHALENE	1.383	1.298	1.282	1.226	1.183	1.275	6.012	
2-NITROANILINE	.321	.434	.382	.339	.457	0.386	15.169	
DIMETHYL PHTHALATE	1.385	1.318	1.283	1.241	1.141	1.274	7.154	
ACENAPHTHYLENE	2.197	2.065	2.031	1.894	1.674	1.972	10.061	
3-NITROANILINE	.282	.382	.329	.384	.365	0.332	12.446	
ACENAPHTHENE	1.491	1.287	1.302	1.265	1.203	1.310	8.448	*
2,4-DINITROPHENOL	.037	.087	.075	.074	.123	0.079	39.266	* *
4-NITROPHENOL	.144	.257	.200	.200	.249	0.210	21.716	* *
DIBENZOFURAN	1.760	1.661	1.884	1.586	1.426	1.587	8.286	

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

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

Initial Calibration Data
Semivolatile GC/MS Compounds
(Page 2)

Lab No: Gen. Test
Contractor: CompuChem Laboratories
Contract No. _____

Instrument ID : GC/MS #16
Calibration Date : 05/17/85

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID		BC000020A16	BI050517A16	BB050517B16	BB050517B16	BC000160A16			
Compound		RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
2,4-DINITROTOLUENE		.311	.344	.304	.277	.284	0.324	12.679	
2,6-DINITROTOLUENE		.267	.293	.267	.252	.296	0.275	6.688	
DIETHYL PHTHALATE		1.648	1.959	1.488	1.257	1.617	1.498	10.892	
4-CHLOROPHENYL PHENYL ETHER		.467	.445	.437	.418	.506	0.455	7.387	
FLUORENE		1.313	1.204	1.129	1.051	1.302	1.200	9.345	
4-NITROANILINE		.094	.361	.260	.248	.372	0.267	41.981	
4,6-DINITRO-O-CRESOL		.065	.101	.091	.088	.100	0.089	16.205	
N-NITROSODIPHENYLAMINE	(1)	.586	.616	.551	.553	.440	0.549	12.081	*
4-BROMOPHENYL PHENYL ETHER		.169	.176	.180	.184	.154	0.173	6.846	
HEXACHLOROBENZENE		.233	.208	.217	.218	.186	0.212	8.068	
PENTACHLOROPHENOL		.049	.096	.086	.094	.098	0.085	23.953	*
PHENANTHRENE		1.230	1.102	1.126	1.102	.883	1.089	11.602	
ANTHRACENE		1.144	1.076	1.046	1.023	.823	1.022	11.757	
DI-N-BUTYL PHTHALATE		1.696	1.971	1.604	1.498	1.057	1.565	21.316	
[illegible]ANTHENE		.934	.983	.854	.844	.624	0.848	16.249	*
[illegible]IDINE		.252	.069	.252	.094	.111	0.156	57.486	* *
PYRENE		2.214	2.008	1.717	1.696	1.626	1.852	13.460	
BUTYL BENZYL PHTHALATE		1.146	1.142	1.060	1.000	1.142	1.098	5.990	
3,3'-DICHLOROBENZIDINE		.316	.203	.304	.272	.337	0.302	8.513	
BENZO (A) ANTHRACENE		1.387	1.229	1.217	1.179	1.125	1.228	7.996	
BIS (2-ETHYLHEXYL) PHTHALATE		1.834	1.751	1.691	1.629	1.619	1.705	5.256	
CHRYSENE		1.269	1.225	1.206	1.147	1.121	1.198	4.710	
DI-N-OCTYL PHTHALATE		2.806	3.134	2.891	2.952	3.352	3.027	7.203	*
3,4-BENZOFLUORANTHENE		.592	.569	.602	.643	.635	0.612	6.051	
BENZO (K) FLUORANTHENE		.592	.569	.602	.643	.635	0.612	6.051	
BENZO (A) PYRENE		1.062	1.037	1.040	1.050	1.051	1.050	1.023	*
INDENO (1,2,3-CD) PYRENE		1.094	1.101	1.226	1.283	1.103	1.177	6.842	
DIBENZO (A,H) ANTHRACENE		.867	.941	1.003	1.009	.887	0.941	6.851	
BENZO (GHI) PERYLENE		.928	.977	.995	1.024	.866	0.958	7.979	

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

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

Initial Calibration Data
Semivolatile MSL Compounds
(Page 1)

Case No: Gen. Test
F acter: CompuChem Laboratories
L act No.

Instrument ID : GWA #07
Calibration Date : 05/17/85

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	MI850517A07	MG850517A07	MK850517A07	MJ850517A07	MH850517A07		
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC + SPCC ++
N-NITROSODIMETHYLAMINE	3.016	2.620	3.396	3.892	3.633	3.311	15.20	
PHENOL	2.014	2.142	2.508	2.233	1.877	2.155	11.07	+
ANILINE	2.369	1.868	1.665	2.234	2.057	2.038	13.80	
BIS (2-CHLOROETHYL) ETHER	1.694	1.730	2.073	1.938	1.818	1.851	8.426	
2-CHLOROPHENOL	1.312	1.346	1.563	1.501	1.462	1.437	7.349	
1,3-DICHLOROBENZENE	1.519	1.531	1.732	1.651	1.604	1.607	5.493	
1,4-DICHLOROBENZENE	1.650	1.631	1.748	1.594	1.526	1.630	4.984	*
BENZYL ALCOHOL	.823	.888	.982	1.089	1.034	0.963	11.19	
1,2-DICHLOROBENZENE	1.402	1.529	1.585	1.588	1.558	1.532	5.002	
O-CRESOL	1.197	1.169	1.419	1.364	1.332	1.296	8.356	
BIS (2-CHLOROISOPROPYL) ETHER	4.331	4.045	4.976	4.807	4.633	4.558	6.183	
P-CRESOL	1.293	1.358	1.519	1.419	1.420	1.402	5.986	
N-NITROSODI-N-PROPYLAMINE	1.633	1.663	1.867	1.998	1.936	1.803	8.084	* *
HEXACHLOROETHANE	.672	.762	.905	.895	.867	0.820	12.229	
NITROBENZENE	2.131	2.140	2.468	2.533	2.514	2.357	8.653	
I[illegible]ORONE	1.169	1.052	.920	1.174	1.040	1.071	9.830	
[illegible].ADPHENOL	.159	.200	.202	.187	.180	0.186	9.571	*
2,4-DIMETHYLPHENOL	.326	.387	.341	.321	.311	0.337	8.826	
BIS (2-CHLOROETHOXY) METHANE	.497	.448	.481	.483	.458	0.473	4.159	
BENZOIC ACID	.048	.061	.122	.146	.157	0.100	46.630	
2,4-DICHLOROPHENOL	.274	.267	.280	.284	.267	0.275	2.742	
1,2,4-TRICHLOROBENZENE	.352	.348	.355	.340	.316	0.342	4.571	
NAPHTHALENE	1.134	1.065	1.060	.943	.892	1.009	11.468	
4-CHLOROANILINE	.394	.338	.298	.360	.366	0.351	10.203	
HEXACHLOROBUTADIENE	.213	.209	.215	.199	.187	0.204	5.775	+
P-CHLORO-M-CRESOL	.398	.381	.401	.425	.389	0.399	4.186	*
2-METHYLNAPHTHALENE	.721	.710	.698	.670	.633	0.686	5.176	
HEXACHLOROCYCLOPENTADIENE	.242	.285	.268	.351	.322	0.294	14.729	* *
2,4,6-TRICHLOROPHENOL	.263	.318	.326	.342	.320	0.314	9.582	*
2,4,5-TRICHLOROPHENOL	.263	.318	.326	.342	.320	0.314	9.582	
2-CHLORONAPHTHALENE	1.091	1.125	1.074	1.061	.994	1.069	4.552	
2-NITROANILINE	.423	.372	.787	.889	.727	0.700	9.782	
DIMETHYL PHTHALATE	1.322	1.364	1.240	1.291	1.217	1.287	4.628	
ACENAPHTHYLENE	1.710	1.711	1.649	1.529	1.432	1.606	7.630	
3-NITROANILINE	.324	.361	.347	.395	.371	0.360	7.340	
ACENAPHTHENE	1.113	1.189	1.053	1.097	.963	1.083	7.683	*
2,4-DINITROPHENOL	0	.940	.871	.881	.980	0.893	34.244	* *
4-NITROPHENOL	.812	.853	.774	.813	.720	0.794	6.274	* *
DIBENZOFURAN	1.475	1.554	1.381	1.389	1.259	1.412	7.860	

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

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

Initial Calibration Data
Semivolatile HSL Compounds
(Page 2)

Case No: Gen. Test
Factor: CompuChem Laboratories
Contract No.

Instrument ID : GCA #07
Calibration Date : 05/17/85

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID		MI850517A07	MG850517A07	MK850517A07	MJ850517A07	MH850517A07			
Compound		RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC *
2,4-DINITROTOLUENE		.422	.482	.563	.567	.544	0.516	12.133	
2,6-DINITROTOLUENE		.202	.234	.257	.286	.272	0.250	13.261	
DIETHYL PHTHALATE		1.538	1.475	1.509	1.450	1.406	1.477	3.611	
4-CHLOROPHENYL PHENYL ETHER		.521	.534	.534	.543	.503	0.527	2.984	
FLUORENE		1.252	1.252	1.141	1.162	1.015	1.164	8.433	
4-NITROANILINE		.145	.162	.183	.165	.163	0.163	8.151	
4,6-DINITRO-O-CRESOL		.036	.065	.077	.086	.090	0.071	31.098	
N-NITROSODIPHENYLAMINE	(1)	.434	.468	.448	.378	.390	0.424	9.075	*
4-BROMOPHENYL PHENYL ETHER		.169	.180	.194	.179	.171	0.178	5.503	
HEXACHLOROBENZENE		.242	.232	.240	.228	.198	0.228	7.674	
PENTACHLOROPHENOL		.044	.083	.092	.096	.098	0.082	27.270	*
PHENANTHRENE		.980	.990	.957	.848	.805	0.916	9.159	
ANTHRACENE		.980	.990	.957	.848	.805	0.916	9.159	
DI-N-BUTYL PHTHALATE		1.424	1.442	1.457	1.306	1.102	1.346	11.069	
FLUORANTHENE		1.026	1.123	1.131	.999	.997	1.057	6.563	*
PYRENE		$	$	$	$	.050	0.050=	0.000	* *
[illegible]		1.716	1.782	1.989	1.578	1.495	1.624	7.872	
BUTYL BENZYL PHTHALATE		.692	.853	.811	.888	.881	0.825	9.735	
3,3'-DICHLOROBENZIDINE		.199	.185	.220	.191	.189	0.189	13.142	
BENZO (A) ANTHRACENE		1.285	1.309	1.298	1.281	1.244	1.283	1.916	
BIS (2-ETHYLHEXYL) PHTHALATE		1.046	1.265	1.214	1.278	1.277	1.216	8.087	
CHRYSENE		1.131	1.189	1.208	1.167	1.164	1.174	2.607	
DI-N-OCTYL PHTHALATE		1.708	1.982	1.851	2.105	2.173	1.964	9.602	*
3,4-BENZOFLUORANTHENE		1.148	1.246	1.276	1.247	1.230	1.231	3.946	
BENZO (K) FLUORANTHENE		1.008	1.045	1.220	1.217	1.100	1.118	8.706	
BENZO (A) PYRENE		.931	1.043	1.124	1.132	1.114	1.070	7.998	*
INDENO (1,2,3-CD) PYRENE		.991	1.219	1.310	1.217	1.279	1.203	10.387	
DIBENZO (A,H) ANTHRACENE		.770	1.003	1.071	.946	.989	0.957	11.480	
BENZO (GHI) PERYLENE		.827	1.041	1.139	1.029	1.048	1.013	11.087	

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

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

Continuing Calibration Check
Volatile HSL Compounds

Case No: GEN. TEST
Contractor: CompuChem Laboratories
Project No:
Instrument ID : GMA 011

Calibration Date: 05/07/85
Time: 06:33
Laboratory ID : CT050507C11
Initial Calibration Date: 05/01/85

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
METHYL CHLORIDE	2.149	2.324	-8.134		**
METHYL BROMIDE	2.731	2.399	4.837		
VINYL CHLORIDE	2.212	2.169	2.125	*	
CHLOROETHANE	1.166	1.123	3.722		
METHYLENE CHLORIDE	1.997	1.894	5.152		
ACETONE (2-PROPANONE)	0.369	0.383	-3.711		
CARBON DISULFIDE	4.099	4.200	2.453		
1,1-DICHLOROETHYLENE	1.349	1.245	7.674	*	
1,1-DICHLOROETHANE	2.393	2.221	7.203		**
1,2-TRANS-DICHLOROETHYLENE	1.437	1.350	6.052		
CHLOROFORM	3.473	3.051	12.158	*	
1,2-DICHLOROETHANE	2.445	2.151	12.024		
2-BUTANONE	0.019	0.022	-19.251		
1,1,1-TRICHLOROETHANE	0.476	0.438	7.821		
CARBON TETRACHLORIDE	0.526	0.460	12.384		
VINYL ACETATE	0.436	0.395	9.274		
DICHLOROBROMOMETHANE	0.570	0.531	6.807		
1,2-DICHLOROPROPANE	0.296	0.300	-1.352	*	
TRANS-1,3-DICHLOROPROPYLENE	0.201	0.211	-4.977		
TRICHLOROETHYLENE	0.490	0.488	0.347		
CHLORODIBROMOMETHANE	0.593	0.561	5.345		
1,1,2-TRICHLOROETHANE	0.348	0.353	-1.234		
BENZENE	0.924	0.943	-2.024		
CIS-1,3-DICHLOROPROPYLENE	0.764	0.717	6.120		
2-CHLOROETHYLVINYL ETHER	0.142	0.135	4.913		
BROMOFORM	0.409	0.347	14.957		**
2-HEXANONE	0.207	0.200	-0.241		
4-METHYL-2-PENTANONE	0.137	0.131	4.585		
TETRACHLOROETHYLENE	0.534	0.476	10.913		
1,1,2,2-TETRACHLOROETHANE	0.443	0.455	-2.711		**
TOLUENE	0.713	0.721	-1.051	*	
CHLOROBENZENE	1.101	1.115	-1.262		**
ETHYLBENZENE	0.877	0.900	-0.398	*	
STYRENE	1.370	1.337	2.974		
TOTAL XYLENES	0.920	0.897	3.266		

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: Gen. Test
Factor: CompuChem Laboratories
Contract No:
Instrument ID : GCA 911

Calibration Date: 05/09/85
Time: 18:30
Laboratory ID : CT850509H11
Initial Calibration Date: 05/01/85

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
METHYL CHLORIDE	2.149	1.788	16.779		**
METHYL BROMIDE	2.731	2.014	26.232		
VINYL CHLORIDE	2.212	1.752	20.791	*	
CHLOROETHANE	1.166	0.978	16.142		
METHYLENE CHLORIDE	1.997	1.680	15.902		
ACETONE (2-PROPANONE)	0.369	0.277	24.979		
CARBON DISULFIDE	4.499	2.546	43.416		
1,1-DICHLOROETHYLENE	1.349	1.075	20.317	*	
1,1-DICHLOROETHANE	2.393	1.983	17.135		**
1,2-TRANS-DICHLOROETHYLENE	1.437	1.153	19.799		
CHLOROFORM	3.473	2.753	20.731	*	
1,2-DICHLOROETHANE	2.445	1.915	21.700		
2-BUTANONE	0.019	0.019	0.334		
1,1,1-TRICHLOROETHANE	0.476	0.416	12.489		
CARBON TETRACHLORIDE	0.526	0.421	19.997		
VINYL ACETATE	0.436	0.302	30.693		
DICHLOROBROMOMETHANE	0.570	0.484	15.087		
1,2-DICHLOROPROPANE	0.296	0.280	5.341	*	
cis-1,3-DICHLOROPROPYLENE	0.201	0.181	10.054		
TRICHLOROETHYLENE	0.490	0.432	11.744		
CHLORODIBROMOMETHANE	0.593	0.478	19.426		
1,1,2-TRICHLOROETHANE	0.348	0.296	15.015		
BENZENE	0.924	0.827	10.435		
CIS-1,3-DICHLOROPROPYLENE	0.764	0.622	18.502		
2-CHLOROETHYLVINYL ETHER	0.142	0.122	13.681		
BROMOFORM	0.409	0.305	25.336		**
2-HEXANONE	0.207	0.174	16.280		
4-METHYL-2-PENTANONE	0.137	0.107	21.906		
TETRACHLOROETHYLENE	0.534	0.437	18.251		
1,1,2,2-TETRACHLOROETHANE	0.443	0.403	8.858		**
TOLUENE	0.717	0.635	10.963	*	
CHLOROBENZENE	1.101	0.972	11.716		**
ETHYLBENZENE	0.577	0.530	8.226	*	
STYRENE	1.378	1.075	22.032		
TOTAL XYLENES	0.920	0.729	21.431		

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 (**)

Continuing Calibration Check
Volatile GCL Compounds

Case No: Gen. Test
Contractor: CompuChem Laboratories
Contract No:
Instrument ID : GMA 612

Calibration Date: 05/09/85
Time: 16:50
Laboratory ID : CS850509B12
Initial Calibration Date: 05/09/85

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
METHYL CHLORIDE	0.739	0.880	-19.128		**
METHYL BROMIDE	1.244	1.474	-18.495		
VINYL CHLORIDE	0.976	1.198	-22.753	*	
CHLOROETHANE	0.519	0.626	-20.674		
METHYLENE CHLORIDE	0.956	1.121	-17.189		
ACETONE (2-PROPANONE)	0.209	0.216	-3.344		
CARBON DISULFIDE	2.764	3.134	-13.364		
1,1-DICHLOROETHYLENE	0.914	1.062	-16.185	*	
1,1-DICHLOROETHANE	1.660	1.857	-11.579		**
1,2-TRANS-DICHLOROETHYLENE	0.946	1.077	-13.882		
CHLOROFORM	2.178	2.421	-11.127	*	
1,2-DICHLOROETHANE	1.439	1.550	-7.720		
2-BUTANONE	0.023	0.025	-9.333		
1,1,1-TRICHLOROETHANE	0.442	0.515	-16.610		
CARBON TETRACHLORIDE	0.465	0.546	-17.419		
VINYL ACETATE	0.374	0.417	-11.437		
DICHLOROBROMOMETHANE	0.508	0.596	-17.349		
1,2-DICHLOROPROPANE	0.289	0.335	-15.882	*	
TRANS-1,3-DICHLOROPROPYLENE	0.202	0.234	-15.578		
TRICHLOROETHYLENE	0.405	0.490	-21.077		
CHLORODIBROMOMETHANE	0.444	0.541	-21.801		
1,1,2-TRICHLOROETHANE	0.259	0.303	-17.040		
BENZENE	0.580	0.676	-16.603		
CIS-1,3-DICHLOROPROPYLENE	0.551	0.638	-15.816		
2-CHLOROETHYLVINYL ETHER	0.169	0.190	-12.396		
BROMOFORM	0.416	0.467	-12.436		**
2-HEXANONE	0.256	0.289	-11.919		
4-METHYL-2-PENTANONE	0.170	0.188	-10.954		
TETRACHLOROETHYLENE	0.456	0.538	-17.956		
1,1,2,2-TETRACHLOROETHANE	0.424	0.486	-14.558		**
TOLUENE	0.322	0.385	-12.152	*	
CHLOROBENZENE	0.821	0.952	-15.965		**
ETHYLBENZENE	0.440	0.507	-15.286	*	
STYRENE	1.113	1.226	-10.114		
TOTAL XYLENES	0.637	0.685	-7.523		

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 (**)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 1)

Case No: GEN. TEST
Contractor: CompuChem Laboratories
Contract No:
Instrument ID : OWA #16

Calibration Date: 05/17/85
Time: 19:26
Laboratory ID : NI850517B16
Initial Calabration Date: 05/17/85

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
N-NITROSODIMETHYLAMINE	1.239	1.354	-9.281		
PHENOL	2.372	2.447	-3.160	*	
ANILINE	2.289	2.065	9.810		
BIS (2-CHLOROETHYL) ETHER	1.984	2.184	-10.048		
2-CHLOROPHENOL	1.575	1.593	-1.593		
1,3-DICHLOROBENZENE	1.549	1.532	1.142		
1,4-DICHLOROBENZENE	1.696	1.748	-3.078	*	
BENZYL ALCOHOL	1.034	1.050	-1.479		
1,2-DICHLOROBENZENE	1.518	1.597	-5.164		
O-CRESOL	1.420	1.499	-5.547		
BIS (2-CHLOROISOPROPYL) ETHER	2.892	3.779	-30.678		
P-CRESOL	1.538	1.743	-13.295		
N-NITROSODI-N-PROPYLAMINE	1.313	1.537	-17.033		**
HEXACHLOROETHANE	0.771	0.820	-7.761		
NITROBENZENE	1.658	2.030	-22.402		
ISOPHORONE	0.846	1.015	-20.056		
2-NITROPHENOL	0.195	0.190	2.668	*	
2,4-DIMETHYLPHENOL	0.340	0.337	0.912		
BIS (2-CHLOROETHOXY) METHANE	0.497	0.531	-6.697		
BENZOIC ACID	0.138	0.103	25.434		
2,4-DICHLOROPHENOL	0.240	0.231	3.873		
1,2,4-TRICHLOROBENZENE	0.260	0.253	2.690		
NAPHTHALENE	1.064	1.157	-8.757		
4-CHLOROANILINE	0.431	0.412	4.362		
HEXACHLOROBUTADIENE	0.127	0.126	0.629	*	
P-CHLORO-M-CRESOL	0.307	0.338	-9.954	*	
2-METHYLNAPHTHALENE	0.580	0.607	-4.550		
HEXACHLOROCYCLOPENTADIENE	0.305	0.293	3.962		**
2,4,6-TRICHLOROPHENOL	0.324	0.319	1.452	*	
2,4,5-TRICHLOROPHENOL	0.324	0.319	1.452		
2-CHLORONAPHTHALENE	1.275	1.302	-2.118		
2-NITROANILINE	0.386	0.491	-29.430		
DIMETHYL PHTHALATE	1.274	1.343	-5.441		
ACENAPHTHYLENE	1.972	2.159	-9.495		
3-NITROANILINE	0.332	0.321	3.402		
ACENAPHTHENE	1.320	1.398	-5.152	*	
2,4-DINITROPHENOL	0.079	0.054	32.449		**
4-NITROPHENOL	0.210	0.195	7.238		**
DIBENZOFURAN	1.587	1.632	-2.822		

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: GEN TEST
Factor: CompuChem Laboratories
Lact No:
Instrument ID : CMA #16

Calibration Date: 05/17/85
Time: 19:26
Laboratory ID : WI050517016
Initial Calabration Date: 05/17/85

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound		Avg RF	RF(50)	%D	CCC	SPCC
2,4-DINITROTOLUENE		0.324	0.424	-30.997		
2,6-DINITROTOLUENE		0.275	0.259	5.963		
DIETHYL PHTHALATE		1.498	1.637	-9.299		
4-CHLOROPHENYL PHENYL ETHER		0.455	0.472	-3.894		
FLUORENE		1.200	1.173	2.242		
4-NITROANILINE		0.267	0.238	10.790		
4,6-DINITRO-O-CRESOL		0.089	0.075	15.990		
N-NITROSODIPHENYLAMINE	(1)	0.549	0.615	-12.001	*	
4-BROMOPHENYL PHENYL ETHER		0.173	0.197	-14.128		
HEXACHLOROBENZENE		0.212	0.256	-20.678		
PENTACHLOROPHENOL		0.085	0.094	-10.836	*	
PHENANTHRENE		1.089	1.151	-5.713		
ANTHRACENE		1.022	1.085	-6.152		
DI-N-BUTYL PHTHALATE		1.565	1.817	-16.086		
FLUORANTHENE		0.848	0.890	-5.000	*	
BENZIDINE		0.156	0.040^	74.261		**
PYRENE		1.852	1.888	-1.932		
BUTYL BENZYL PHTHALATE		1.093	1.167	-6.257		
3,3'-DICHLOROBENZIDINE		0.302	0.285	5.654		
BENZO (A) ANTHRACENE		1.228	1.210	1.441		
BIS (2-ETHYLHEXYL) PHTHALATE		1.705	1.810	-6.147		
CHRYSENE		1.198	1.238	-3.339		
DI-N-OCTYL PHTHALATE		3.027	3.095	-2.239	*	
3,4-BENZOFLUORANTHENE		0.612	1.129	-84.198		
BENZO (K) FLUORANTHENE		0.612	1.129	-84.188		
BENZO (A) PYRENE		1.050	0.981	6.582	*	
INDENO (1,2,3-CD) PYRENE		1.177	1.230	-4.441		
DIBENZO (A,H) ANTHRACENE		0.941	0.983	-4.461		
BENZO (GHI) PERYLENE		0.968	1.039	-7.355		

RF(50) - Response Factor from daily standard file at concentration indicated
^ - 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 BNA Compounds
(Page 1)

Case No: Gen. Test
Factor: CompuChem Laboratories
Contract No:
Instrument ID : GMA 016

Calibration Date: 05/22/05
Time: 13:50
Laboratory ID : BN050522A16
Initial Calibration Date: 05/17/05

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
N-NITROSODIMETHYLAMINE	1.239	2.229	-79.887		
PHENOL	2.372	2.908	-22.567	*	
ANILINE	2.209	3.108	-35.740		
BIS (2-CHLOROETHYL) ETHER	1.984	2.837	-42.965		
2-CHLOROPHENOL	1.519	1.674	-10.226		
1,3-DICHLOROBENZENE	1.549	1.590	-2.652		
1,4-DICHLOROBENZENE	1.696	1.861	-9.772	*	
BENZYL ALCOHOL	1.034	1.321	-27.712		
1,2-DICHLOROBENZENE	1.518	1.485	2.167		
2-CRESOL	1.420	1.724	-21.402		
BIS (2-CHLOROISOPROPYL) ETHER	2.892	6.307	-118.128		
4-CRESOL	1.538	1.869	-21.523		
N-NITROSODI-N-PROPYLAMINE	1.313	2.362	-79.821		**
HEXACHLOROETHANE	0.771	0.833	-8.163		
NITROBENZENE	1.658	2.598	-56.672		
ISOPHORONE	0.846	1.120	-32.473		
2-NITROPHENOL	0.195	0.196	-0.718	*	
2,4-DIMETHYLPHENOL	0.340	0.358	-5.383		
BIS(2-CHLOROETHOXY) METHANE	0.497	0.656	-31.918		
BENZOIC ACID	0.138	0.151	-9.365		
2,4-DICHLOROPHENOL	0.240	0.247	-2.748		
1,2,4-TRICHLOROBENZENE	0.260	0.266	-2.036		
NAPHTHALENE	1.064	1.025	3.711		
4-CHLOROANILINE	0.431	0.430	0.232		
HEXACHLOROBUTADIENE	0.127	0.112	11.968	*	
P-CHLORO-M-CRESOL	0.307	0.339	-10.214	*	
2-METHYLNAPHTHALENE	0.580	0.598	-3.090		
HEXACHLOROCYCLOPENTADIENE	0.305	0.223	26.948		**
2,4,6-TRICHLOROPHENOL	0.324	0.308	4.851	*	
2,4,5-TRICHLOROPHENOL	0.324	0.308	4.851		
2-CHLORONAPHTHALENE	1.275	1.331	-4.498		
2-NITROANILINE	0.386	0.686	-77.432		
DIMETHYL PHTHALATE	1.274	1.240	2.606		
ACENAPHTHYLENE	1.972	2.011	-1.967		
3-NITROANILINE	0.332	0.290	12.616		
ACENAPHTHENE	1.330	1.430	-8.145	*	
2,4-DINITROPHENOL	0.079	0.060	24.073		**
4-NITROPHENOL	0.210	0.192	8.523		**
DIBENZOFURAN	1.567	1.550	1.020		

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 BSL Compounds
(Page 2)

Case No: Gen. Test
Factor: CompuChem Laboratories
Contract No:
Instrument ID : GHA #16

Calibration Date: 05/22/85
Time: 13:36
Laboratory ID : HH850522A16
Initial Calabration Date: 05/17/85

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound		Avg RF	RF(50)	%D	CCC	SPCC
2,4-DINITROTOLUENE		0.324	0.408	-25.841		
2,6-DINITROTOLUENE		0.275	0.245	11.018		
DIETHYL PHTHALATE		1.490	1.383	7.184		
4-CHLOROPHENYL PHENYL ETHER		0.455	0.445	2.112		
FLUORENE		1.200	1.196	0.316		
4-NITROANILINE		0.267	0.252	5.432		
4,6-DINITRO-O-CRESOL		0.089	0.080	9.572		
N-NITROSODIPHENYLAMINE	(1)	0.549	0.616	-12.092	*	
4-BROMOPHENYL PHENYL ETHER		0.173	0.198	-14.881		
HEXACHLOROBENZENE		0.212	0.227	-6.924		
PENTACHLOROPHENOL		0.085	0.077	9.305	*	
PHENANTHRENE		1.089	1.234	-13.337		
ANTHRACENE		1.022	1.146	-12.100		
DI-N-BUTYL PHTHALATE		1.565	1.476	5.692		
FLUORANTHENE		0.848	0.875	-3.160	*	
BENZIDINE		0.156	0.111	28.690		**
PYRENE		1.852	2.290	-23.642		
BUTYL BENZYL PHTHALATE		1.098	0.954	13.106		
3,3-DICHLOROBENZIDINE		0.302	0.239	21.130		
BENZO (A) ANTHRACENE		1.228	1.433	-16.756		
BIS (2-ETHYLHEXYL) PHTHALATE		1.705	1.448	15.081		
CHRYSENE		1.198	1.164	2.855		
DI-N-OCTYL PHTHALATE		3.027	2.639	12.834	*	
3,4-BENZOFLUORANTHENE		0.612	0.527	13.998		
BENZO (K) FLUORANTHENE		0.612	0.527	13.998		
BENZO (A) PYRENE		1.050	1.014	3.391	*	
INDENO (1,2,3-CD) PYRENE		1.177	1.071	9.079		
DIBENZO (A,H) ANTHRACENE		0.941	0.863	8.359		
BENZO (GHI) PERYLENE		0.968	0.847	12.469		

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: Gen. Test
Factor: CompuChem Laboratories
Contract No:
Instrument ID : GHA #07

Calibration Date: 05/25/85
Time: 06:52
Laboratory ID : HC850525C07
Initial Calibration Date: 05/17/85

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
N-NITROSODIMETHYLAMINE	3.311	1.764	46.720		
PHENOL	2.155	1.901	11.797	*	
ANILINE	2.038	1.705	16.351		
BIS (2-CHLOROETHYL) ETHER	1.851	1.598	13.655		
2-CHLOROPHENOL	1.437	1.330	7.467		
1,3-DICHLOROBENZENE	1.607	1.575	2.046		
1,4-DICHLOROBENZENE	1.630	1.623	0.380	*	
BENZYL ALCOHOL	0.963	0.768	20.296		
1,2-DICHLOROBENZENE	1.532	1.461	4.640		
O-CRESOL	1.296	1.099	15.221		
BIS (2-CHLOROISOPROPYL) ETHER	4.558	2.878	36.871		
P-CRESOL	1.402	1.225	12.603		
N-NITROSODI-N-PROPYLAMINE	1.803	1.340	25.712		**
HEXACHLOROETHANE	0.820	0.735	10.364		
NITROBENZENE	2.357	1.810	23.217		
ISOPHORONE	1.071	0.901	8.366		
2-NITROPHENOL	0.186	0.194	-4.366	*	
2,4-DIMETHYLPHENOL	0.337	0.358	-6.257		
BIS (2-CHLOROETHOXY) METHANE	0.473	0.485	-2.430		
BENZOIC ACID	0.186	0.165	-55.451		
2,4-DICHLOROPHENOL	0.275	0.327	-19.075		
1,2,4-TRICHLOROBENZENE	0.342	0.306	-12.616		
NAPHTHALENE	1.009	1.114	-10.460		
4-CHLOROANILINE	0.351	0.306	12.792		
HEXACHLOROBUTADIENE	0.204	0.222	-8.663	*	
P-CHLORO-M-CRESOL	0.399	0.400	-0.401	*	
2-METHYLNAPHTHALENE	0.686	0.688	-0.247		
HEXACHLOROCYCLOPENTADIENE	0.294	0.305	-3.985		**
2,4,6-TRICHLOROPHENOL	0.314	0.388	-23.780	*	
2,4,5-TRICHLOROPHENOL	0.314	0.388	-23.780		
2-CHLORONAPHTHALENE	1.069	1.271	-18.896		
2-NITROANILINE	0.708	0.589	16.777		
DIMETHYL PHTHALATE	1.297	1.483	-15.217		
ACENAPHTHYLENE	1.606	1.775	-10.568		
3-NITROANILINE	0.360	0.408	-13.351		
ACENAPHTHENE	1.083	1.253	-15.712	*	
2,4-DINITROPHENOL	0.073	0.070	4.389		**
4-NITROPHENOL	0.794	0.695	-12.640		**
DIBENZOFURAN	1.412	1.665	-17.971		

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 NSL Compounds
(Page 2)

Case No: Gen. Test
Vector: CompuChem Laboratories
Contract No:
Instrument ID : GMA #07

Calibration Date: 05/25/85
Time: 06:52
Laboratory ID : #GB50525C07
Initial Calibration Date: 05/17/85

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound		Avg RF	RF(50)	%D	CCC	SPCC
2,4-DINITROTOLUENE		0.516	0.463	10.106		
2,6-DINITROTOLUENE		0.250	0.293	-17.406		
DIETHYL PHTHALATE		1.477	1.632	-10.460		
4-CHLOROPHENYL PHENYL ETHER		0.527	0.598	-13.456		
FLUORENE		1.169	1.313	-12.808		
4-NITROANILINE		0.163	0.166	-1.285		
4,6-DINITRO-O-CRESOL		0.076	0.084	-10.246		
N-NITROSODIPHENYLAMINE	(1)	0.424	0.476	-12.417	*	
4-BROMOPHENYL PHENYL ETHER		0.179	0.212	-18.900		
HEXACHLOROBENZENE		0.228	0.297	-30.144		
PENTACHLOROPHENOL		0.082	0.066	19.660	*	
PHENANTHRENE		0.916	1.069	-16.704		
ANTHRACENE		0.916	0.999	-9.018		
DI-N-BUTYL PHTHALATE		1.346	1.483	-10.147		
FLUORANTHENE		1.057	1.042	1.437	*	
BENZIDINE		0.050	0.006*	87.775		**
PYRENE		1.624	1.619	0.326		
BUTYL BENZYL PHTHALATE		0.825	0.830	-0.606		
3,3'-DICHLOROBENZIDINE		0.189	0.182	3.442		
BENZO (A) ANTHRACENE		1.283	1.183	7.846		
BIS (2-ETHYLHEXYL) PHTHALATE		1.216	1.367	-12.403		
CHRYSENE		1.174	1.085	7.619		
DI-N-OCTYL PHTHALATE		1.969	2.193	-11.640	*	
3,4-BENZOFLUORANTHENE		1.231	1.126	8.531		
BENZO (K) FLUORANTHENE		1.118	1.126	-0.679		
BENZO (A) PYRENE		1.070	1.029	3.832	*	
INDENO (1,2,3-CD) PYRENE		1.203	1.190	1.113		
DIBENZO (A,H) ANTHRACENE		0.957	0.979	-2.224		
BENZO (GHI) PERYLENE		1.013	0.961	5.181		

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

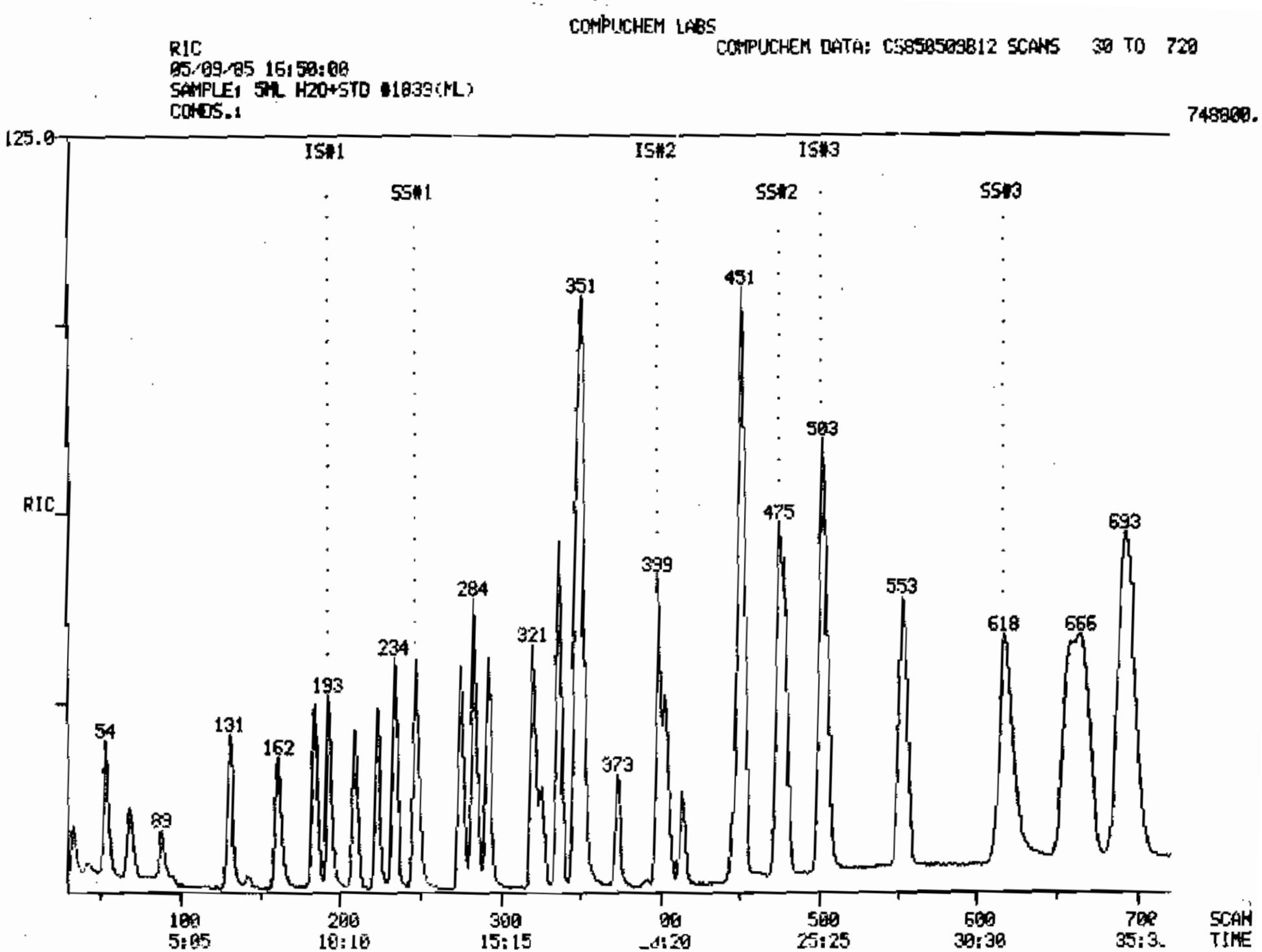
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
(1) - Cannot be separated from diphenylamine

EPA CASE# Gen Test COMPUCHEM CASE SUMMARY REFERENCE GUIDE REVIEWER _____

fraction	associated tune	associated shift std	CC #	EPA SMO#	Analysis Date/Name	Voa Inst. blnk	Extract. Date	Assoc. Blk.	Comment
	BF850509A1Q	CS85050912	49803	50705A					
			49811	50705F					
			49808	SS					
			49809	SS					
			49812	50705B					
			49861	50705G					
	BF850509C11	CT850509A11	49817	11450					
			49816	11452					
			49815	11448					
			49814	11446					
			49813	50705					

EPA CASE# Gen Test COMPUCHEM CASE SUMMARY REFERENCE GUIDE REVIEWER _____

fraction	associated tune	associated shift std	CC #	EPA SMO#	Analysis Date/Name	Voa Inst. blnk	Extract. Date	Assoc. Blk.	Comment
	BF850507C11	CJ850507C11	49720	HB					
			49721	HB					


COMPUCHEM LABS
RIC
05/09/85 16:50:00
SAMPLE: 5ML H2O+STD #1039(ML)
CONDS.1
COMPUCHEM DATA: CS850509B12 SCANS 30 TO 720
748000.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
RIC
54
89
131
162
193
234
284
321
351
373
399
451
475
503
553
618
666
693
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:3
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 5/09/85 17:30:32
DATA FILE: CS850509812
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	3	1	26	42	40	1	71	E237S/E237U

42 COMPOUNDS PROCESSED, 40 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	E1	1	-197	173	173	.	1	963	.	128	173	.	1
2	E2	1	-404	399	399	.	1	993	.	114	399	.	1
3	E3	1	-506	501	501	.	1	972	.	117	501	.	1
4	E1	2	-38	34	34	.	1	967	.	50	34	.	1
5	E1	3	-57	53	54	1	1	949	.	94	54	.	1
6	E1	4	-72	68	69	1	1	976	.	62	69	.	1
7	E1	5	-91	87	89	2	1	957	.	64	89	.	1
8	E1	6	-134	130	131	1	1	967	.	84	131	.	1
9	E1	7	-145	141	142	1	1	933	.	43	143	1	1
10	E1	8	-165	161	162	1	1	990	.	76	162	.	1
11	E1	9	-189	185	185	.	1	989	.	96	185	.	1
12	E1	10	-214	210	210	.	1	993	.	63	210	.	1
13	E1	11	-228	224	224	.	1	988	.	96	224	.	1
14	E1	12	-239	235	234	-1	1	980	.	83	234	.	1
15	E1	13	-254	250	249	-1	1	938	.	62	249	.	1
16	E2	2	-252	248	247	-1	1	988	.	72	247	.	1
	E2	3	-281	277	276	-1	1	962	.	97	276	.	1
	E2	4	-289	285	284	-1	1	990	.	117	284	.	1
19	E2	5	-290	286	285	-1	1	969	.	43	285	.	1
20	E2	6	-298	294	293	-1	1	986	.	83	293	.	1
21	E2	7	-326	321	321	.	1	993	.	63	321	.	1
22	E2	8	-331	326	326	.	1	983	.	75	326	.	1
23	E2	9	-342	337	337	.	1	978	.	130	337	.	1
24	E2	10	-354	349	.	.	.	.	.	129	349	.	1
25	E2	11	-356	351	351	.	1	993	.	97	351	.	1
26	E2	12	-353	348	348	.	1	993	.	78	347	-1	1
27	E2	13	-357	352	351	-1	1	971	.	75	351	.	1
28	E2	14	-378	373	373	.	1	988	.	63	373	.	1
29	E2	15	-409	404	403	-1	1	966	.	173	403	.	1
30	E3	2	-419	414	414	.	1	951	.	43	414	.	1
31	E3	3	-451	446	446	.	1	920	.	43	446	.	1
32	E3	4	-456	451	452	1	1	947	.	164	451	-1	1
33	E3	5	-455	450	.	.	.	.	.	83	450	.	1
34	E3	6	-484	479	479	.	1	991	.	92	479	.	1
35	E3	7	-509	504	504	.	1	982	.	112	504	.	1
36	E3	8	-558	553	553	.	1	989	.	106	553	.	1
37	E3	9	-663	657	659	2	1	989	.	104	658	-1	1
38	E3	10	-672	666	666	.	1	988	.	106	667	1	1
39	E3	11	-699	693	694	1	1	990	.	106	694	.	1
40	E4	2	-252	248	247	-1	1	980	.	65	247	.	1
41	E4	3	-623	617	618	1	1	994	.	95	618	.	1
42	E4	4	-480	475	475	.	1	988	.	98	475	.	1

QUANTITATION REPORT FILE: CSB30509B12

DATA: CSB30509B12.TI
05/09/85 16:50:00
SAMPLE: 5ML H2O+STD #1S39(ML)
COMMENTS:
SUBMITTED BY: 12 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
	212 BROMODICHLOROMETHANE
	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	* D4-1,2-DICHLOROETHANE
41	* BROMOFLUOROBENZENE
42	* D8-TOLUENE

M.O 5/9/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
	128	193	9:49	1	1.000	A BB	135458.	50.000 UG/L	1.87
2	50	34	1:44	1	0.176	A BB	119207.	62.444 UG/L	2.34

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	54	2:45	1	0.280	A BV	199696.	60.389	UG/L	2.26
4	62	69	3:30	1	0.358	A BB	162301.	61.653	UG/L	2.31
5	64	89	4:31	1	0.461	A BV	84838.	59.961	UG/L	2.24
6	84	131	6:40	1	0.679	A BV	151824.	62.950	UG/L	2.35
7	43	143	7:16	1	0.741	A BB	29303.	77.225	UG/L	2.89
8	76	162	8:14	1	0.839	A BB	424454.	56.924	UG/L	2.13
9	96	185	9:24	1	0.959	A BV	143817.	59.750	UG/L	2.23
10	63	210	10:40	1	1.088	A BV	250888.	57.626	UG/L	2.16
11	96	224	11:23	1	1.161	A BV	145985.	59.393	UG/L	2.22
12	83	234	11:54	1	1.212	A BB	327921.	58.088	UG/L	2.17
13	62	249	12:39	1	1.290	A BB	209983.	58.683	UG/L	2.19
14	114	399	20:17	14	1.000	A BV	512685.	50.000	UG/L	1.87
15	72	247	12:33	14	0.619	A BB	12602.	81.844	UG/L	3.06
16	97	276	14:02	14	0.692	A BV	264205.	61.991	UG/L	2.32
17	117	284	14:26	14	0.712	A VV	279946.	63.696	UG/L	2.38
18	43	285	14:29	14	0.714	A BB	213772.	67.869	UG/L	2.54
19	83	293	14:54	14	0.734	A BB	305495.	62.787	UG/L	2.35
20	63	321	16:19	14	0.805	A BV	171702.	62.816	UG/L	2.35
21	75	326	16:34	14	0.817	A BB	119794.	61.457	UG/L	2.30
22	130	337	17:08	14	0.845	A BV	251209.	70.433	UG/L	2.63
23	129	349	17:44	14	0.875	A BB	277267.	70.365	UG/L	2.63
24	97	351	17:51	14	0.880	A VV	155283.	73.069	UG/L	2.73
25	78	347	17:38	14	0.870	A BB	346733.	66.006	UG/L	2.47
26	75	351	17:51	14	0.880	A BB	326993.	66.585	UG/L	2.49
27	63	373	18:58	14	0.935	A BV	97626.	65.384	UG/L	2.45
28	173	403	20:29	14	1.010	A BV	239632.	65.883	UG/L	2.46
29	117	501	25:28	29	1.000	A BB	467399.	50.000	UG/L	1.87
30	43	414	21:03	29	0.826	A BV	135191.	68.982	UG/L	2.58
31	43	446	22:40	29	0.890	A BB	88055.	73.156	UG/L	2.74
32	164	451	22:56	29	0.900	A BV	251475.	64.945	UG/L	2.43
33	83	450	22:52	29	0.898	A BV	226923.	74.070	UG/L	2.77
34	92	479	24:21	29	0.956	A BV	273458.	60.028	UG/L	2.24
35	112	504	25:37	29	1.006	A BV	444742.	62.554	UG/L	2.34
36	106	553	28:07	29	1.104	A BB	236892.	62.203	UG/L	2.33
37	104	658	33:27	29	1.313	A BB	572929.	59.744	UG/L	2.23
38	106	667	33:54	29	1.331	A BB	319987.	50.201	UG/L	2.18
39	106	694	35:17	29	1.385	A BB	615581.	118.921	UG/L	4.45
40	65	247	12:33	1	1.280	A BV	209830.	47.501	UG/L	1.78
41	95	618	31:25	29	1.234	A BB	375403.	49.775	UG/L	1.86
42	98	475	24:09	1	2.461	A BB	482336.	48.702	UG/L	1.82

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:38	0.98	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:53	0.92	10.000	0.02	62.44	50.00	0.880	0.705	1.25
3	2:54	0.95	10.000	0.03	60.39	50.00	1.474	1.221	1.21
4	3:40	0.96	10.000	0.04	61.65	50.00	1.198	0.972	1.23
5	4:38	0.98	10.000	0.05	59.96	50.00	0.626	0.522	1.20
6	6:49	0.98	5.000	0.14	62.95	50.00	1.121	0.890	1.26
7	7:22	0.99	10.000	0.07	77.23	50.00	0.216	0.140	1.54
8	8:20	0.99	5.000	0.17	56.92	50.00	3.133	2.752	1.14
9	9:33	0.98	5.000	0.19	59.75	50.00	1.062	0.888	1.19
10	10:50	0.99	5.000	0.22	57.63	50.00	1.852	1.607	1.15
11	11:32	0.99	5.000	0.23	59.39	50.00	1.077	0.907	1.19
12	12:06	0.98	5.000	0.24	58.09	50.00	2.421	2.084	1.16
13	12:52	0.98	5.000	0.26	58.68	50.00	1.550	1.321	1.17
14	20:29	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	12:46	0.98	10.000	0.06	81.04	50.00	0.025	0.015	1.64
16	14:14	0.99	5.000	0.14	61.99	50.00	0.515	0.416	1.24
	14:35	0.99	5.000	0.14	63.70	50.00	0.546	0.429	1.27
18	14:41	0.99	10.000	0.07	67.87	50.00	0.417	0.307	1.36
19	15:03	0.99	5.000	0.15	62.79	50.00	0.596	0.475	1.26
20	16:31	0.99	5.000	0.16	62.82	50.00	0.335	0.267	1.26
21	16:46	0.99	5.000	0.16	61.46	50.00	0.234	0.190	1.23
22	17:20	0.99	5.000	0.17	70.43	50.00	0.490	0.348	1.41
23	17:57	0.99	5.000	0.17	70.36	50.00	0.541	0.384	1.41
24	18:03	0.99	5.000	0.18	73.07	50.00	0.303	0.207	1.46
25	17:51	0.99	5.000	0.17	66.01	50.00	0.676	0.512	1.32
26	18:03	0.99	5.000	0.18	66.58	50.00	0.638	0.479	1.33
27	19:10	0.99	10.000	0.09	65.38	50.00	0.190	0.146	1.31
28	20:41	0.99	5.000	0.20	65.88	50.00	0.467	0.355	1.32
29	25:40	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:15	0.99	10.000	0.08	68.98	50.00	0.289	0.210	1.38
31	22:49	0.99	10.000	0.09	73.16	50.00	0.188	0.129	1.46
32	23:11	0.99	5.000	0.18	64.95	50.00	0.538	0.414	1.30
33	23:05	0.99	5.000	0.18	74.07	50.00	0.486	0.328	1.48
34	24:33	0.99	5.000	0.19	60.03	50.00	0.585	0.487	1.20
35	25:49	0.99	5.000	0.20	62.55	50.00	0.952	0.761	1.25
36	28:19	0.99	5.000	0.22	62.20	50.00	0.507	0.407	1.24
37	33:39	0.99	5.000	0.26	59.74	50.00	1.226	1.026	1.19
38	34:07	0.99	5.000	0.27	58.20	50.00	0.685	0.588	1.16
39	35:29	0.99	5.000	0.28	118.92	100.00	0.659	0.554	1.19
40	12:46	0.98	10.000	0.13	47.50	50.00	1.549	1.631	0.95
41	31:40	0.99	10.000	0.12	49.78	50.00	0.803	0.807	1.00
42	24:21	0.99	10.000	0.25	48.70	50.00	3.561	3.656	0.97

Internal Standard Area Monitor

Method: E237 Filename: CSB50509B12 Date: 05/09/85
Shift Std: CT850509A12 Time: 16:50

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
* BROMOCHLOROMETHANE (IS)	135457.	123460.	10.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	512664.	476413.	8.	Pass
* D5 CHLOROBENZENE(INTERNAL STANDARD)	467377.	443262.	5.	Pass

CompuChem Laboratories, Inc.
GC/MS Analysis Log

9:11

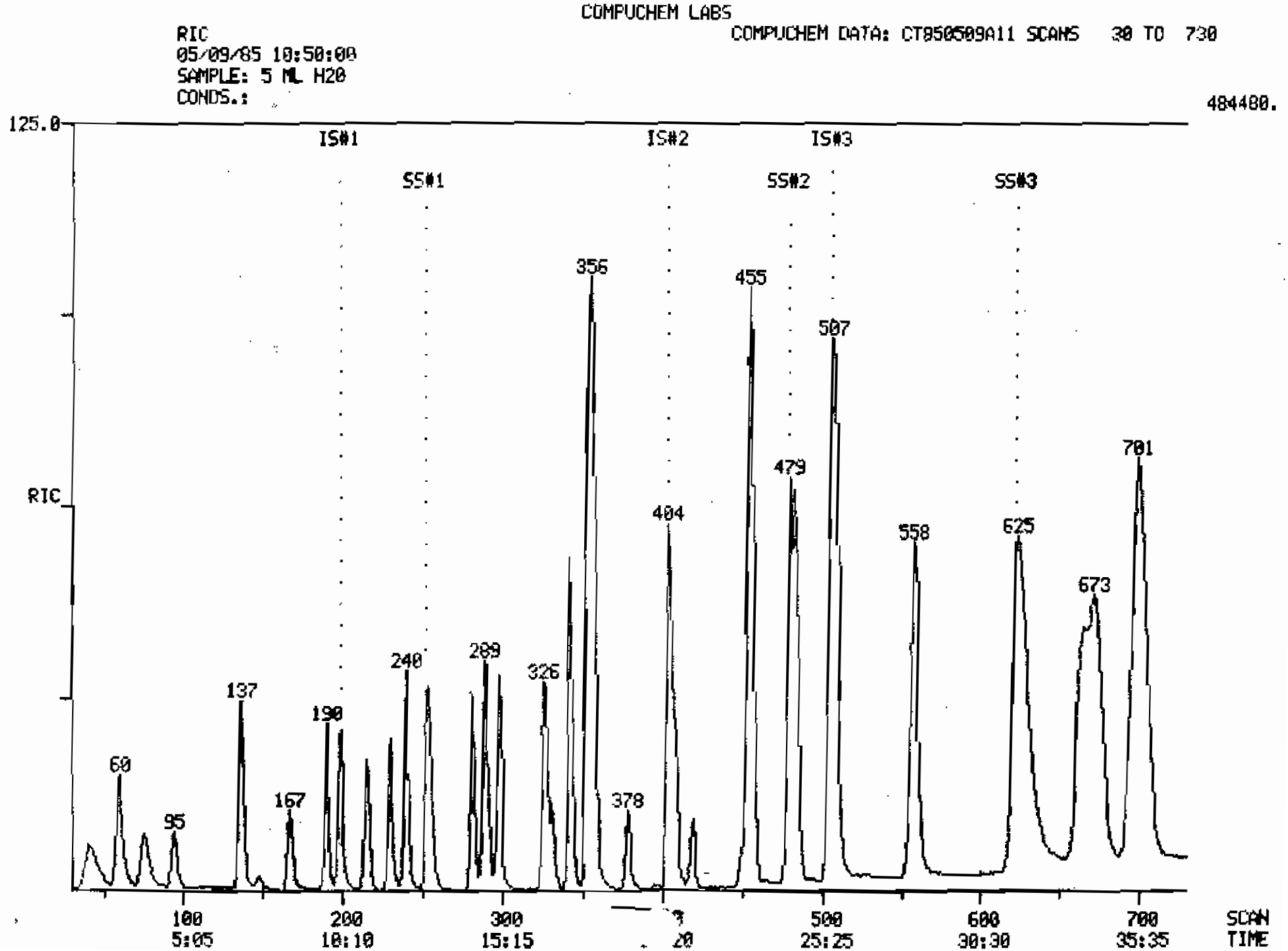
Initial Time of Tune 6:51
Time Tune Expires 18:51
22:11

Shift(s) (A) (B) (C)
Date 5/9/85
Analysis Type 237
a37

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, Disposit
1	X	BFB50509C12		5/9/85	6:40			2ul	812		122	14587
2	X	VBB50509C12		/ /	6:59			5ul	812		122	14580, 14582
3		VBB50509C12		/ /	:	Delete 30 min		5ul				
4	X	VCB50509C12		/ /	7:37			5ul	812		122	14580, 14582
5				/ /	Continued to 237's							
6	X	BFB50509A12		/ /	:			2ul	577		122	14587
7	X	CBB50509A12		/ /	9:32			5ul	577		122	14580 14582
8		BFB50509A12 (Rev)		/ /	9:11			2ul	577		122	14587
9	N	CSB50509A12		/ /	10:26			5ul	577		122	STD 1839
10		CCB50509A12		/ /	11:18			5ul	577		122	14580 14582
11		CT50509A12		/ /	12:00			5ul	577		122	STD 1839 (mid)
12		CW50509A12	Daily	/ /	13:20			5ul	577		122	STD 1839 (L)
13		CW50509A12		/ /	14:27			5ul	577		122	STD 1840 (Low)
14		CW50509A12		/ /	15:15			5ul	577		122	STD 1841 (L
15		CX50509A12		/ /	16:05			5ul	577		122	STD 1842
16		CSSD509B12		/ /	16:50			5ul	719		122	Std # B39 (mid)
17		CN0409R03B12		/ /	17:57	50705A	GEN TEST	5ul	719		122	
18		CN0409811B12		/ /	18:39	50705F	GEN TEST	5ul	719		122	
19		CN0409808B12		/ /	19:21	SS	GEN TEST	5ul	719		122	
20		CN0409809B12		/ /	20:03	SS	GEN TEST	5ul	719		122	
21		CN0409812B12		/ /	20:58	50705B	" "	5ul	719		122	
22		CN0409861B12		/ /	21:38		" "	5ul	719		122	
23				/ /	:							
24				/ /								
25				/ /	5/9/85							
26				/ /								

M O


COMPUCHEM LABS
RIC
05/09/85 10:50:00
SAMPLE: 5 ML H20
CONDS.:
COMPUCHEM DATA: CT850509A11 SCANS 30 TO 730
484480.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
RIC
60
95
137
167
190
240
289
326
356
378
404
455
479
507
558
625
673
701
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35
SCAN
TIME

DATA FILE: CT850509A11
REFERENCE: E23T
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	132	42	39	1	110	E237S/E237U

42 COMPOUNDS PROCESSED, 39 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-197	199	199	.	1	987	.	128	198	-1	1
2	E2	1	-405	405	404	-1	1	995	.	114	404	.	1
3	E3	1	-506	505	506	1	1	968	.	117	506	.	1
4	E1	2	-41	43	41	-2	1	979	.	50	41	.	1
5	E1	3	-59	60	60	.	1	957	.	94	60	.	1
6	E1	4	-73	74	76	2	1	984	.	62	76	.	1
7	E1	5	-91	92	95	3	1	985	.	64	95	.	1
8	E1	6	-134	135	137	2	1	982	.	84	137	.	1
9	E1	7	-145	146	148	2	1	931	.	43	148	.	1
10	E1	8	-165	166	167	1	1	996	.	76	167	.	1
11	E1	9	-189	190	190	.	1	990	.	96	190	.	1
12	E1	10	-215	216	215	-1	1	1000	.	63	215	.	1
13	E1	11	-229	230	230	.	1	996	.	96	230	.	1
14	E1	12	-240	241	240	-1	1	981	.	83	240	.	1
15	E1	13	-255	256	255	-1	1	962	.	62	255	.	1
16	E2	2	-253	254	253	-1	1	969	.	72	253	.	1
17	E2	3	-282	282	281	-1	1	977	.	97	281	.	1
`	E2	4	-289	289	289	.	1	994	.	117	289	.	1
/	E2	5	-292	292	291	-1	1	971	.	43	291	.	1
20	E2	6	-298	298	298	.	1	993	.	83	298	.	1
21	E2	7	-327	327	327	.	1	997	.	63	326	-1	1
22	E2	8	-332	332	331	-1	1	987	.	75	331	.	1
23	E2	9	-343	343	342	-1	1	986	.	130	342	.	1
24	E2	10	-354	354	.	.	.	.	.	129	354	.	1
25	E2	11	-357	357	356	-1	1	988	.	97	356	.	1
26	E2	12	-354	354	353	-1	1	994	.	78	353	.	1
27	E2	13	-357	357	357	.	1	982	.	75	357	.	1
28	E2	14	-379	379	378	-1	1	993	.	63	378	.	1
29	E2	15	-408	408	408	.	1	980	.	173	408	.	1
30	E3	2	-419	419	419	.	1	951	.	43	419	.	1
31	E3	3	-450	450	450	.	1	968	.	43	450	.	1
32	E3	4	-456	456	455	-1	1	956	.	164	455	.	1
33	E3	5	-455	455	.	.	.	.	.	83	454	.	1
34	E3	6	-484	483	483	.	1	983	.	92	483	.	1
35	E3	7	-509	508	508	.	1	983	.	112	508	.	1
36	E3	8	-558	557	558	1	1	983	.	106	558	.	1
37	E3	9	-665	664	666	2	1	989	.	104	665	-1	1
38	E3	10	-674	673	673	.	1	988	.	106	674	1	1
39	E3	11	-698	696	.	.	.	.	.	106	.	.	.
40	E4	2	-253	254	253	-1	1	984	.	65	253	.	1
41	E4	3	-624	623	624	1	1	995	.	95	624	.	1
42	E4	4	-480	479	479	.	1	987	.	98	479	.	1

QUANTITATION REPORT FILE: CT850509A11

DATA: CT850509A11.TI
05/09/85 10:50:00
SAMPLE: 5 ML H20
NDS. :
JSMITTED BY: BTD 1839 ANALYST: 11

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENIENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
0	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	* D4-1,2-DICHLOROETHANE
41	* BROMOFLUOROBENZENE
42	* D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	198	10:04	1	1.000	A BV	59681.	50.000 UG/L	0.67
2	50	41	2.05	1	0.207	A BB	106709.	58.529 UG/L	1.02

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	60	3:03	1	0.303	A BV	120215.	57.108	UG/L	0.99
4	62	76	3:52	1	0.384	A BB	104545.	58.666	UG/L	1.02
5	64	95	4:50	1	0.480	A BB	58353.	55.845	UG/L	0.97
6	84	137	6:58	1	0.692	A BV	100243.	39.042	UG/L	0.68
7	43	148	7:31	1	0.747	A VV	16526.	45.464	UG/L	0.79
8	76	167	8:29	1	0.843	A BV	151940.	43.365	UG/L	0.75
9	96	190	9:39	1	0.960	A BB	64135.	35.416	UG/L	0.62
10	63	215	10:56	1	1.086	A BB	118359.	35.323	UG/L	0.61
11	96	230	11:41	1	1.162	A BV	68803.	35.657	UG/L	0.62
12	83	240	12:12	1	1.212	A BV	164321.	36.472	UG/L	0.63
13	62	255	12:58	1	1.288	A BB	114257.	37.077	UG/L	0.64
14	114	404	20:32	14	1.000	A BV	309281.	50.000	UG/L	0.87
15	72	253	12:52	14	0.626	A BB	5764.	47.182	UG/L	0.82
16	97	281	14:17	14	0.696	A BV	128736.	36.633	UG/L	0.64
17	117	289	14:41	14	0.715	A VV	130225.	36.166	UG/L	0.63
18	43	291	14:48	14	0.720	A BV	93373.	45.475	UG/L	0.79
19	83	298	15:09	14	0.738	A BB	149678.	36.777	UG/L	0.64
20	63	326	16:34	14	0.807	A BB	86614.	36.971	UG/L	0.64
21	75	331	16:50	14	0.819	A VV	55875.	34.760	UG/L	0.60
22	130	342	17:23	14	0.847	A BV	133633.	37.082	UG/L	0.64
23	129	354	18:00	14	0.876	A BV	147767.	36.350	UG/L	0.63
24	97	356	18:06	14	0.881	A VB	91559.	35.952	UG/L	0.62
25	78	353	17:57	14	0.874	A BB	255899.	36.617	UG/L	0.64
26	75	357	18:09	14	0.884	A BB	192487.	36.165	UG/L	0.63
27	63	378	19:13	14	0.936	A BV	37871.	35.722	UG/L	0.62
28	173	408	20:44	14	1.010	A BV	94340.	35.700	UG/L	0.62
29	117	506	25:43	29	1.000	A BV	322432.	50.000	UG/L	0.87
30	43	419	21:18	29	0.828	A BB	56024.	46.162	UG/L	0.80
31	43	450	22:52	29	0.889	A BB	34583.	44.389	UG/L	0.77
32	164	455	23:08	29	0.899	A BB	140819.	36.597	UG/L	0.64
33	83	454	23:05	29	0.897	A BV	130040.	37.192	UG/L	0.65
34	92	483	24:33	29	0.955	A BV	204787.	36.702	UG/L	0.64
35	112	508	25:49	29	1.004	A BV	313395.	37.372	UG/L	0.65
36	106	558	28:22	29	1.103	A BB	170860.	38.474	UG/L	0.67
37	104	665	33:48	29	1.314	A BB	346503.	47.327	UG/L	0.82
38	106	674	34:16	29	1.332	A BB	234997.	46.967	UG/L	0.82
39	106	701	35:38	29	1.385	A BB	407193.	4016.310	UG/L	69.81
40	65	253	12:52	1	1.278	A BV	122010.	49.725	UG/L	0.86
41	95	624	31:43	29	1.233	A BB	311915.	51.991	UG/L	0.90
42	98	479	24:21	1	2.419	A BV	348154.	48.592	UG/L	0.84

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R FAC	R. FAC(L)	RATIO
1	10:01	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:05	1.00	10.000	0.02	58.53	50.00	1.788	1.527	1.17
3	3:00	1.02	10.000	0.03	57.11	50.00	2.014	1.764	1.14
4	3:43	1.04	10.000	0.04	58.67	50.00	1.752	1.493	1.17
5	4:38	1.04	10.000	0.05	55.85	50.00	0.978	0.875	1.12
6	6:49	1.02	5.000	0.14	39.04	50.00	1.680	2.151	0.78
7	7:22	1.02	10.000	0.07	45.46	50.00	0.277	0.305	0.91
8	8:23	1.01	5.000	0.17	43.37	50.00	2.546	2.935	0.87
9	9:36	1.01	5.000	0.19	35.42	50.00	1.075	1.517	0.71
10	10:56	1.00	5.000	0.22	35.32	50.00	1.983	2.807	0.71
11	11:38	1.00	5.000	0.23	35.66	50.00	1.153	1.617	0.71
12	12:12	1.00	5.000	0.24	36.47	50.00	2.753	3.775	0.73
13	12:58	1.00	5.000	0.26	37.08	50.00	1.914	2.582	0.74
14	20:35	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	12:52	1.00	10.000	0.06	47.18	50.00	0.019	0.020	0.94
16	14:20	1.00	5.000	0.14	36.63	50.00	0.416	0.568	0.73
17	14:41	1.00	5.000	0.14	36.17	50.00	0.421	0.582	0.72
8	14:51	1.00	10.000	0.07	45.47	50.00	0.302	0.332	0.91
9	15:09	1.00	5.000	0.15	36.78	50.00	0.484	0.658	0.74
20	16:37	1.00	5.000	0.16	36.97	50.00	0.280	0.379	0.74
21	16:53	1.00	5.000	0.16	34.76	50.00	0.181	0.260	0.70
22	17:26	1.00	5.000	0.17	37.08	50.00	0.432	0.583	0.74
23	18:00	1.00	5.000	0.18	36.35	50.00	0.478	0.657	0.73
24	18:09	1.00	5.000	0.18	35.95	50.00	0.296	0.412	0.72
25	18:00	1.00	5.000	0.17	36.62	50.00	0.827	1.130	0.73
26	18:09	1.00	5.000	0.18	36.17	50.00	0.622	0.860	0.72
27	19:16	1.00	10.000	0.09	35.72	50.00	0.122	0.171	0.71
28	20:44	1.00	5.000	0.20	35.70	50.00	0.305	0.427	0.71
29	25:43	1.00	1.000	1.00	50.00	50.00	1.008	1.000	1.00
30	21:18	1.00	10.000	0.08	46.16	50.00	0.174	0.188	0.92
31	22:52	1.00	10.000	0.09	44.39	50.00	0.107	0.121	0.89
32	23:11	1.00	5.000	0.18	36.60	50.00	0.437	0.597	0.73
33	23:08	1.00	5.000	0.18	37.19	50.00	0.403	0.542	0.74
34	24:36	1.00	5.000	0.19	36.70	50.00	0.635	0.865	0.73
35	25:52	1.00	5.000	0.20	37.37	50.00	0.972	1.300	0.75
36	28:22	1.00	5.008	0.22	38.47	50.00	0.530	0.689	0.77
37	33:48	1.00	5.000	0.26	47.33	50.00	1.075	1.135	0.95
38	34:16	1.00	5.000	0.27	46.97	50.00	0.729	0.776	0.94
39	35:29	1.00	5.000	0.28	4016.32	100.00	0.631	0.016	40.16
40	12:52	1.00	10.000	0.13	49.72	50.00	2.044	2.056	0.99
41	31:43	1.00	10.000	0.12	51.99	50.00	0.967	0.930	1.04
42	24:24	1.00	10.000	0.24	48.59	50.00	5.834	6.003	0.97

Internal Standard Area Monitor

Method: E237 Filename: CT850509A11 Date: 05/09/85
Shift Std: CS850509A11 Time: 10:50

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
* BROMOCHLOROMETHANE (IS)	59680.	67540.	-11.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	309280.	356253.	-12.	Pass
* D5 CHLOROBENZENE(INTERNAL STANDARD)	322431.	371660.	-12.	Pass

CompuChem Laboratories, Inc.
GC/MS Analysis Log

ENTERED BA 5/14/85

Initial Time of Tune 8:01
Time Tune Expires 20:01

Shift(s) (A) (B) (C)
Date 5/7/85
Analysis Type E237

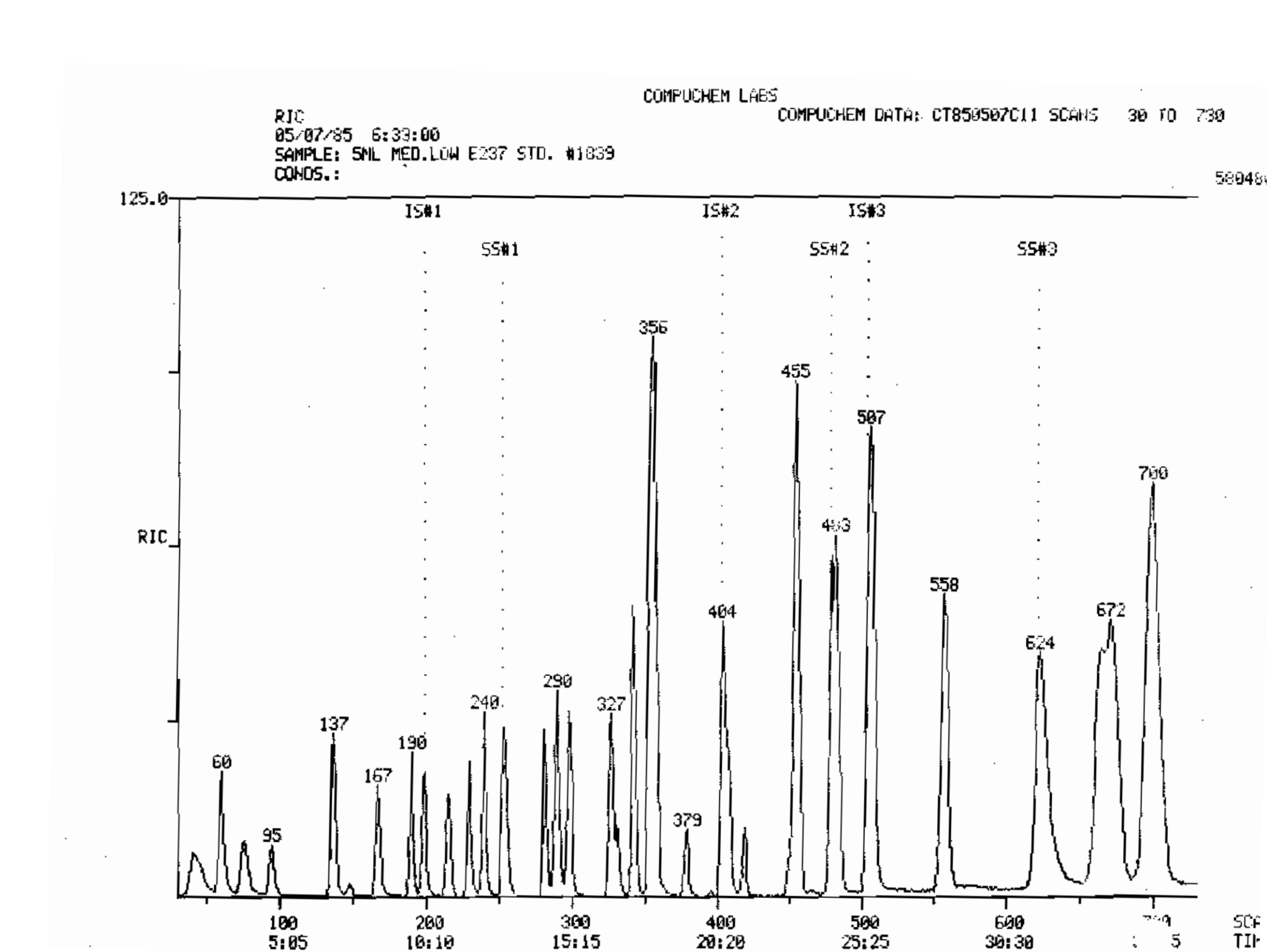
Run Log

	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		BF850509C11		5/9/85	7:50			2ul	BI2		112	14582
2	X	CB850509C11		/ /	8:14			5ul	BI2		112	14579, 14581
3	X	CB850509AM		/ /	9:09			5ul	BI2		112	1500 1239
4	X	CB850509BM		/ /	10:02			5ul	SM		112	14579 14581
5		CT850509AM OK		/ /	10:50			5ul	SM		112	STD 1795 (m-x)
6	X	CC850509BM		/ /	11:49			5ul	SM		112	14579 14581 Methyl 97 Methylene
7	X	CD850509MM		/ /	12:32			5ul	SM		112	" " Methyl Methylene
8	X	CE850509BM		/ /	14:23			5ul	SM		112	" " Methyl Methylene
9		CF850509AM (OK)		/ /	15:21			5ul	SM		112	
10		CN049817B11		/ /	16:44	11450	GENTES	5ul	719		112	
11		CN049816B11		/ /	17:26	11452	GENTES	5ul	719		112	
12		CN049815B11		/ /	18:29	11448	GENTES	5ul	719		112	
13		CN049814B11		/ /	19:10	11446	" "	5ul	719		112	
14		CN049813B11		/ /	19:52	507050	" "	5ul	719		112	
15				/ /	:							
16				/ /	:							
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							
25				/ /	:							
26				/ /	:							

5/9/85
M-O

received 5/14/85

Printed Hard Multiple Copies


COMPUCHEM LABS
RIC
COMPUCHEM DATA: CT850507C11 SCANS 30 TO 730
05/07/85 6:33:00
SAMPLE: SNL MED.LOW E237 STD. #1839
CONDS.:
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
RIC
60
95
137
167
190
240
290
327
356
379
404
455
483
507
558
624
672
700
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30

PROCEDURE: RK DIAGNOSTIC REPORT 5/07/85 7 14 22
A FILE: CT850507C11
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	3	1	26	42	40	1	64	E237S/E237U

42 COMPOUNDS PROCESSED, 40 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	E1	1	-198	199	199	.	1	985	.	128	198	-1	1
2	E2	1	-404	404	404	.	1	996	.	114	404	.	1
3	E3	1	-505	505	505	.	1	977	.	117	505	.	1
4	E1	2	-41	42	41	-1	1	975	.	50	41	.	1
5	E1	3	-61	62	60	-2	1	950	.	94	60	.	1
6	E1	4	-76	77	76	-1	1	979	.	62	76	.	1
7	E1	5	-94	95	95	.	1	981	.	64	95	.	1
8	E1	6	-135	136	137	1	1	986	.	84	137	.	1
9	E1	7	-146	147	148	1	1	971	.	43	148	.	1
10	E1	8	-166	167	167	.	1	994	.	76	167	.	1
11	E1	9	-189	190	190	.	1	990	.	96	190	.	1
12	E1	10	-215	216	215	-1	1	997	.	63	216	1	1
13	E1	11	-229	230	230	.	1	992	.	96	230	.	1
	E1	12	-239	240	240	.	1	986	.	83	240	.	1
15	E1	13	-254	255	255	.	1	963	.	62	255	.	1
16	E2	2	-252	253	253	.	1	983	.	72	253	.	1
17	E2	3	-281	282	282	.	1	994	.	97	282	.	1
18	E2	4	-289	290	289	-1	1	993	.	117	289	.	1
19	E2	5	-291	292	291	-1	1	977	.	43	291	.	1
20	E2	6	-298	299	298	-1	1	993	.	83	298	.	
21	E2	7	-326	327	327	.	1	992	.	63	327	.	
22	E2	8	-331	332	331	-1	1	984	.	75	331	.	
23	E2	9	-342	343	342	-1	1	981	.	130	342	.	
24	E2	10	-353	354	.	.	.	.	.	129	354	.	.
25	E2	11	-356	357	356	-1	1	991	.	97	356	.	1
26	E2	12	-353	354	354	.	1	994	.	78	354	.	1
27	E2	13	-356	357	357	.	1	976	.	75	357	.	1
28	E2	14	-378	379	379	.	1	990	.	63	379	.	1
29	E2	15	-407	408	408	.	1	978	.	173	408	.	1
30	E3	2	-418	419	419	.	1	944	.	43	419	.	1
31	E3	3	-449	450	450	.	1	965	.	43	450	.	1
32	E3	4	-455	456	456	.	1	967	.	164	456	.	1
33	E3	5	-454	455	.	.	.	.	.	83	454	.	1
34	E3	6	-483	483	483	.	1	981	.	92	483	.	1
35	E3	7	-508	508	508	.	1	981	.	112	508	.	1
36	E3	8	-557	557	558	1	1	985	.	106	558	.	1
37	E3	9	-664	664	664	.	1	986	.	104	664	.	1
38	E3	10	-672	672	672	.	1	989	.	106	672	.	1
	E3	11	-699	699	700	1	1	986	.	106	700	.	1
	E4	2	-252	253	253	.	1	990	.	65	253	.	1
41	E4	3	-623	623	623	.	1	994	.	95	623	.	1
42	E4	4	-479	479	479	.	1	982	.	98	479	.	1

QUANTITATION REPORT FILE: CT850507C11

D A: CT850507C11.TI
05/07/85 6:33:00
SAMPLE: 5ML MED. LOW E237 STD. #1839
CONDS. :
SUBMITTED BY: 11 ANALYST: 817

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
	227 1,1,1-TRICHLOROETHANE
-	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	* 04-1,2-DICHLDROETHANE
41	* BROMOFLUOROBENZENE
	* DB-TOLUENE

5/7/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	198	10:04	1	1.000	A BV	58488.	50.000 UG/L	2.18
2	50	41	2:05	1	0.207	A BB	135910.	54.866 UG/L	2.39

	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
-	94	60	3:03	1	0.303	A BV	151982.	51.621	UG/L	2.25
4	62	76	3:52	1	0.384	A BB	126595.	52.936	UG/L	2.31
5	64	95	4:50	1	0.480	A BB	65651.	51.050	UG/L	2.23
6	84	137	6:58	1	0.692	A BV	110795.	54.359	UG/L	2.37
7	43	148	7:31	1	0.747	A BV	22391.	60.711	UG/L	2.65
8	76	167	8:29	1	0.843	A BB	256175.	68.894	UG/L	3.01
9	96	190	9:39	1	0.960	A BV	72826.	55.060	UG/L	2.40
10	63	216	10:59	1	1.091	A BB	129896.	56.495	UG/L	2.47
11	96	230	11:41	1	1.162	A BB	78980.	56.438	UG/L	2.46
12	83	240	12:12	1	1.212	A BV	178450.	56.262	UG/L	2.46
13	62	255	12:58	1	1.288	A BB	125813.	55.794	UG/L	2.44
14	114	404	20:32	14	1.000	A BB	323679.	50.000	UG/L	2.18
15	72	253	12:52	14	0.626	A BB	7214.	47.258	UG/L	2.06
16	97	282	14:20	14	0.698	A BB	141907.	53.353	UG/L	2.33
17	117	289	14:41	14	0.715	A VB	148802.	52.554	UG/L	2.29
18	43	291	14:48	14	0.720	A BB	127915.	50.041	UG/L	2.18
19	83	298	15:09	14	0.738	A BV	171932.	52.876	UG/L	2.31
20	63	327	16:37	14	0.809	A BB	97045.	53.950	UG/L	2.35
21	75	331	16:50	14	0.819	A BB	68249.	56.983	UG/L	2.49
22	130	342	17:23	14	0.847	A BV	157910.	53.878	UG/L	2.35
23	129	354	18:00	14	0.876	A BV	181683.	52.097	UG/L	2.27
24	97	356	18:06	14	0.881	A VB	114116.	54.055	UG/L	2.36
25	78	354	18:00	14	0.876	A BV	305076.	53.800	UG/L	2.35
26	75	357	18:09	14	0.884	A BV	232036.	53.400	UG/L	2.30
27	63	379	19:16	14	0.938	A BB	43826.	43.375	UG/L	1.89
	173	408	20:44	14	1.010	A BB	112442.	53.665	UG/L	2.34
29	117	505	25:40	29	1.000	A BV	341065.	50.000	UG/L	2.18
30	43	419	21:18	29	0.830	A BV	70908.	52.817	UG/L	2.31
31	43	450	22:52	29	0.891	A BV	44720.	54.221	UG/L	2.37
32	164	456	23:11	29	0.903	A BV	162317.	54.403	UG/L	2.37
33	83	454	23:05	29	0.899	A BV	155010.	55.545	UG/L	2.42
34	92	483	24:33	29	0.956	A BV	245840.	54.141	UG/L	2.36
35	112	508	25:49	29	1.006	A BV	380245.	54.236	UG/L	2.37
36	106	558	28:22	29	1.105	A BV	197727.	53.502	UG/L	2.34
37	104	664	33:45	29	1.315	A BB	456126.	49.867	UG/L	2.18
38	106	672	34:10	29	1.331	A BB	306022.	49.987	UG/L	2.18
39	106	700	35:35	29	1.386	A BB	598245.	100.308	UG/L	4.38
40	65	253	12:52	1	1.278	A BV	119002.	53.013	UG/L	2.31
41	95	623	31:40	29	1.234	A BB	319768.	51.412	UG/L	2.24
42	98	479	24:21	1	2.419	A BV	372837.	52.027	UG/L	2.27

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:04	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:05	1.00	10.000	0.02	54.87	50.00	2.324	2.118	1.10
3	3:06	0.98	10.000	0.03	51.62	50.00	2.599	2.517	1.03
4	3:52	1.00	10.000	0.04	52.94	50.00	2.164	2.044	1.06
5	4:47	1.01	10.000	0.05	51.05	50.00	1.122	1.099	1.02
6	6:52	1.01	5.000	0.14	54.36	50.00	1.894	1.742	1.09
7	7:25	1.01	10.000	0.07	60.71	50.00	0.383	0.315	1.21
8	8:26	1.01	5.000	0.17	68.89	50.00	4.380	3.179	1.38
	9:36	1.01	5.000	0.19	55.06	50.00	1.245	1.131	1.10
	10:56	1.00	5.000	0.22	56.49	50.00	2.221	1.966	1.13
11	11:38	1.00	5.000	0.23	56.44	50.00	1.350	1.196	1.13
12	12:09	1.00	5.000	0.24	56.26	50.00	3.051	2.711	1.13
13	12:55	1.00	5.000	0.26	55.79	50.00	2.151	1.928	1.12
14	20:32	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:49	1.00	10.000	0.06	47.26	50.00	0.022	0.024	0.95
16	14:17	1.00	5.000	0.14	53.35	50.00	0.438	0.411	1.07
17	14:41	1.00	5.000	0.14	52.55	50.00	0.460	0.437	1.05
18	14:48	1.00	10.000	0.07	50.04	50.00	0.395	0.395	1.00
19	15:09	1.00	5.000	0.15	52.88	50.00	0.531	0.502	1.06
20	16:34	1.00	5.000	0.16	53.95	50.00	0.300	0.278	1.08
21	16:50	1.00	5.000	0.16	56.98	50.00	0.211	0.185	1.14
22	17:23	1.00	5.000	0.17	53.88	50.00	0.488	0.453	1.08
23	17:57	1.00	5.000	0.18	52.10	50.00	0.561	0.539	1.04
24	18:06	1.00	5.000	0.18	54.06	50.00	0.353	0.326	1.08
25	17:57	1.00	5.000	0.18	53.80	50.00	0.943	0.876	1.08
26	18:06	1.00	5.000	0.18	53.40	50.00	0.717	0.671	1.07
27	19:13	1.00	10.000	0.09	43.37	50.00	0.135	0.156	0.87
28	20:41	1.00	5.000	0.20	53.66	50.00	0.347	0.324	1.07
29	25:40	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:15	1.00	10.000	0.08	52.82	50.00	0.208	0.197	1.06
31	22:49	1.00	10.000	0.09	54.22	50.00	0.131	0.121	1.08
32	23:08	1.00	5.000	0.18	54.40	50.00	0.476	0.437	1.09
33	23:05	1.00	5.000	0.18	55.55	50.00	0.454	0.409	1.11
34	24:33	1.00	5.000	0.19	54.14	50.00	0.721	0.666	1.08
35	25:49	1.00	5.000	0.20	54.24	50.00	1.115	1.028	1.08
36	28:19	1.00	5.000	0.22	53.50	50.00	0.580	0.542	1.07
37	33:45	1.00	5.000	0.26	49.87	50.00	1.337	1.341	1.00
38	34:10	1.00	5.000	0.27	49.99	50.00	0.897	0.897	1.00
39	35:32	1.00	5.000	0.28	100.31	100.00	0.877	0.874	1.00
	12:49	1.00	10.000	0.13	53.01	50.00	2.035	1.919	1.06
41	31:40	1.00	10.000	0.12	51.41	50.00	0.938	0.912	1.03
42	24:21	1.00	10.000	0.24	52.03	50.00	6.375	6.126	1.04

INTERNAL STANDARD AREA MONITOR

METHOD: E237 FILENAME: CT850507C11 DATE: 05/07/85
SHIFT STD: CT850506B11 TIME: 6:33

	COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*	BROMOCHLOROMETHANE (IS)	58487.	66192.	-11.	PASS
*	1,4 DIFLUOROBENIENE (INTERNAL STANDARD)	323678.	351812.	-7.	PASS
*	D5 CHLOROBENZENE(INTERNAL STANDARD)	341064.	383833.	-10.	PASS

- STD company

CompuChem Laboratories, Inc.
GC/MS Analysis Log

4

Initial Time of Tune 04:35
Time Tune Expires 16:35

Shift(s) (A) ___ (B) ___ (C) ___
Date 5/7/85
Analysis Type E-237

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		MF850507C11		5/7/85	04:24			2ul	817		111	14541 (500+)
2		CP850507C11		/ /	04:39			5ul	817		111	14532, 14534 OK
3	✓	CS850507C11		/ /	05:49			5ul	817		111	STD. # 1839 (Fou... [illegible]
4		CT850507C11		/ /	06:33			5ul	817		111	STD. # 1839
5		CN049779C11		/ /	07:31	SS 291/513	4006	5ul	817		111	used ampl [illegible]
6		CN049780A11		/ /	8:20	SS	4008	5ul	SM		111	SS} 49784
7		CN049801A11		/ /	9:04	HB1	4007	5ul	SM		111	
8	X	CN049704A11		/ /	9:59	D2241	4251	5ul	SM		111	
9		CN049652A11		/ /	11:00	DB459	4251	5ul	SM		11	
10		GN049702A11 *		/ /	11:54	D	4251	5ul	SM		111	SS} 49692 * Rmcd GH049...
11		CN049706A11		/ /	12:37	SS	4251	5ul	SM		111	" "
12		CN049720A11		/ /	13:27	HB1	4251	5ul	SM		111	
13		CN049722A11		/ /	14:13	DB811	4017	5ul	SM		111	
14		CN049721A11		/ /	14:58	11B2	4251	5ul	SM		111	
15	X	CN049733A11		/ /	15:45	DB815	4007	5ul	SM		111	Saturated with MeCl2
16	X	CN049734B11		/ /	16:25	DB814	4007	5ul	719		111	possible contamination
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							
25				/ /	:							
26				/ /	:							

5/7/85 MO

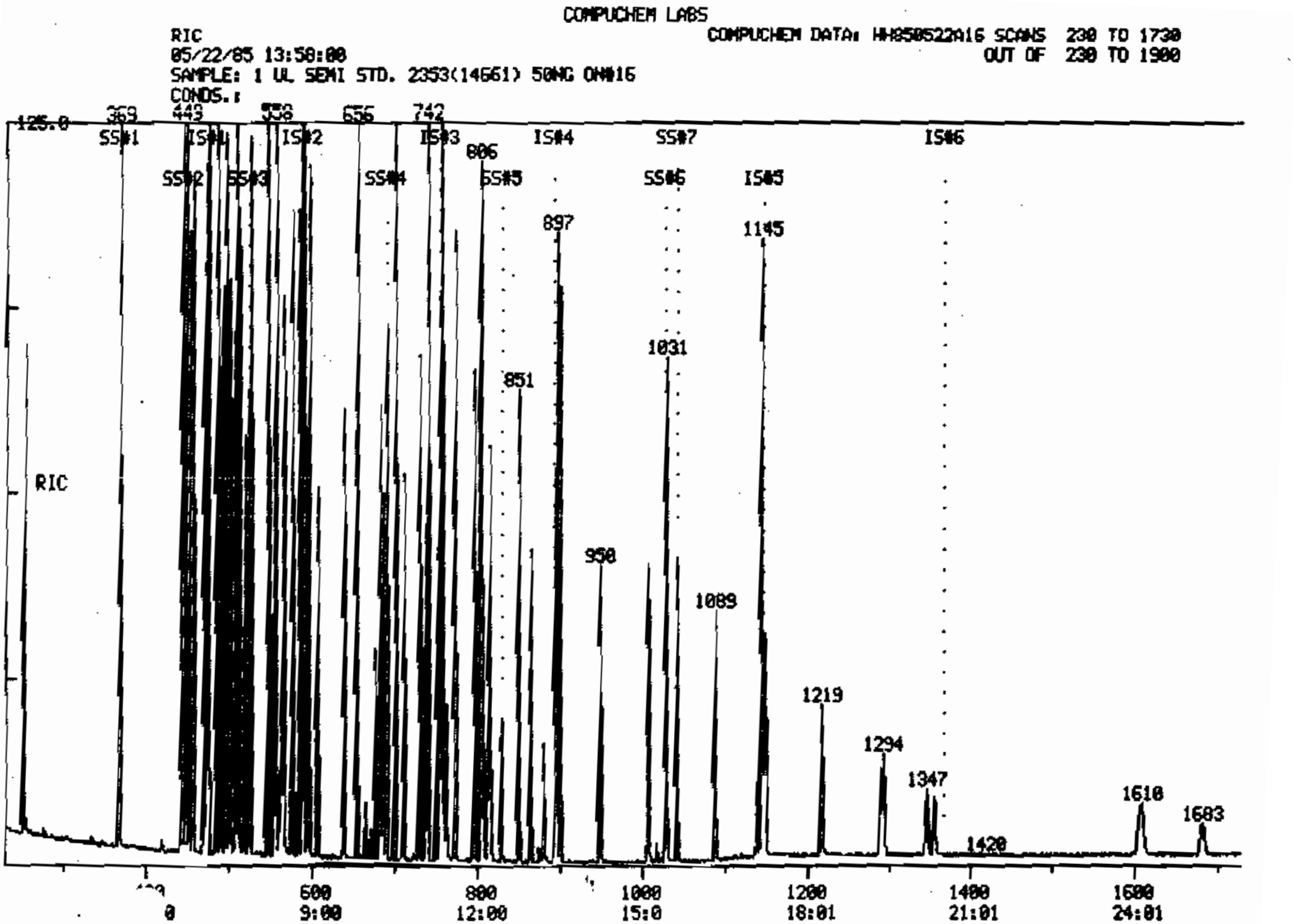
ENTERED [illegible]

received 5/7/85

Press Hard, Multiple Copies

EPA CASE# Gen Test COMPUCHEM CASE SUMMARY REFERENCE GUIDE REVIEWER _____

fraction	associated tune	associated shift std	CC #	EPA SMO#	Analysis Date/Name	Voa Inst. blnk	Extract. Date	Assoc. Blk.	Comment
SV	DI850522A16	Hg850522A16	49805	SS					
	"	"	49806	SS					
	"	"	49803	5070A					
	"	"	49811	5070SF					
	"	"	49812	5070SB					
	"	"	49813	5070SC					
	"	"	49814	11446					
	DH850525C07	Hg850525C07	49805	SS					
			49806	SS					
			49811	5070SF					
			49812	5070SB					
			51625	Blk					


COMPUCHEM LABS
RIC
05/22/85 13:58:00
SAMPLE: 1 UL SEMI STD. 2353(14661) 50NG ON#16
CONDS.:
COMPUCHEM DATA: HH850522A16 SCANS 230 TO 1730
OUT OF 230 TO 1900
125.0
369
443
556
742
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
806
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
897
1145
1031
851
RIC
950
1089
1219
1294
1347
1618
1683
1420
0
600
9:00
800
12:00
1000
15:0
1200
18:01
1400
21:01
1600
24:01

COMPUCHEM LABS

RIC

COMPUCHEM DATA: HH850522A16 SCANS 1730 TO 1900

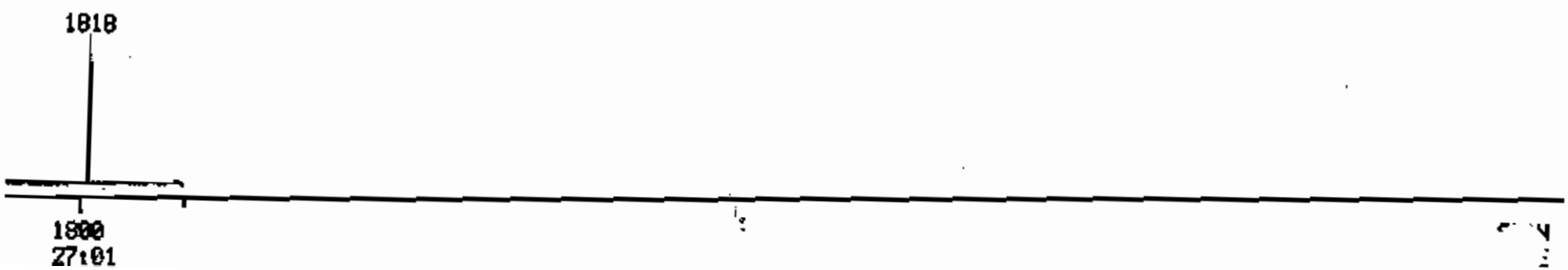
05/22/85 13:50:00

OUT OF 230 TO 1900

SAMPLE: 1 UL SEMI STD. 2353(14661) 50NG ON#16

CONDS.:

20951000.



PROCEDURE: RK DIAGNOSTIC REPORT 5/22/85 14:28:47
DATA FILE: HH850522A16
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1S1

STANDARDS IDC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
4	4	1	38	53	38	24	75	SEMI1S1/SEMI1U1
4	3	3	90	29	26	64	253	SEMI1S2/SEMI1U2

81 COMPOUNDS PROCESSED, 62 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEL	DELTA	PEAKS	BAT FIT	BAT PEAKS	CHRO M/E	CHRO TOP	DELTA	PEAKS
1	G1	1	-485	475	475	.	1	950	.	152	475	.	1
2	G2	1	-602	590	590	.	1	986	-1	136	590	.	1
3	G3	1	-771	756	756	.	1	969	.	164	756	.	1
4	G7	2	-378	369	369	.	1	912	.	112	369	.	1
5	G1	2	-260	253	.	.	.	.	.	42	253	.	1
6	G1	3	-456	446	.	.	.	.	.	94	445	.	2
7	G1	4	-459	449	.	.	.	.	-1	93	449	.	1
8	G1	5	-464	454	454	.	1	984	.	93	454	.	1
9	G1	6	-469	459	.	.	.	.	.	128	459	.	1
10	G1	7	-482	472	472	.	2	1000	.	146	471	-1	1
11	G1	8	-487	477	476	-1	2	1000	.	146	476	.	1
12	G1	9	-498	487	487	.	1	1000	.	108	487	.	1
13	G1	10	-503	492	493	1	1	934	.	146	492	-1	1
14	G1	11	-508	497	497	.	3	1000	.	108	497	.	1
15	G1	12	-512	501	.	.	.	.	-1	45	502	.	1
16	G1	13	-520	509	510	1	1	910	.	108	510	.	1
17	G1	14	-524	513	.	.	.	.	.	70	513	.	2
18	G1	15	-532	521	520	-1	1	938	.	117	520	.	1
19	G1	16	-538	527	527	.	1	912	.	77	527	.	1
20	G2	2	-559	548	.	.	.	.	-1	82	548	.	1
21	G2	3	-568	556	.	.	.	.	.	139	556	.	1
22	G2	4	-569	557	558	1	1	923	.	122	558	.	1
23	G2	5	-576	564	565	1	1	944	.	122	565	.	1
24	G2	6	-579	567	567	.	1	994	.	93	567	.	1
25	G2	7	-589	577	577	.	1	923	.	162	577	.	1
26	G2	8	-598	586	586	.	1	957	.	180	586	.	1
27	G2	9	-604	592	592	.	1	1000	-1	128	592	.	1
28	G2	10	-609	597	.	.	.	.	.	127	597	.	1
29	G2	11	-621	609	608	-1	1	946	.	225	608	.	1
30	G2	12	-653	640	640	.	1	905	.	107	640	.	1
31	G2	13	-669	656	656	.	2	1000	.	142	656	.	1
32	G3	2	-691	677	677	.	1	946	.	237	677	.	1
33	G3	3	-697	683	684	1	1	953	.	196	687	3	2
34	G3	4	-701	687	684	-3	1	928	.	196	687	3	2
35	G3	5	-716	702	702	.	1	978	.	162	702	.	1
36	G3	6	-727	713	.	.	.	.	.	65	713	.	1
37	G3	7	-746	732	732	.	1	987	.	163	732	.	1
38	G3	8	-756	742	742	.	1	965	.	152	742	.	1
39	G3	9	-766	751	.	.	.	.	.	138	751	.	1
40	G3	10	-774	759	759	.	1	1000	.	153	759	.	1
41	G3	11	-775	760	.	.	.	.	.	184	761	.	1
42	G3	12	-778	763	.	.	.	.	.	139	764	.	1
43	G3	13	-789	774	774	.	1	964	.	168	774	.	1
44	G3	14	-790	775	775	.	1	922	.	89	775	.	1
45	G3	15	-753	739	739	.	1	935	.	165	739	.	1
46	G3	16	-813	798	.	.	.	.	.	149	798	.	1
47	G3	17	-820	805	805	.	1	921	.	204	805	.	2
48	G3	18	-822	806	806	.	1	957	.	166	806	.	1
49	G3	19	-824	808	.	.	.	.	.	138	809	.	1
[illegible]			[illegible]	[illegible]	[illegible]	1	1	881	.	89	444	-1	1

52	G7	5	-705	691	692	1	1	919	.	172	691	-1	1
53	G7	6	-846	830	831	1	1	886	.	141	831	.	2
54	G4	1	-911	894	.	.	.	.	.	188	895	.	1
55	G5	1	-1169	1148	1147	-1	1	931	.	240	1147	.	1
56	G6	1	-1394	1369	1369	.	3	1000	.	264	.	.	.
57	G4	2	-829	816	814	-2	1	904	.	198	814	.	1
58	G4	3	-831	818	816	-2	1	893	.	169	816	.	1
59	G4	4	-866	852	851	-1	1	924	.	248	851	.	1
60	G4	5	-882	867	866	-1	1	944	.	284	866	.	1
61	G4	6	-897	882	882	.	1	944	.	266	881	-1	1
62	G4	7	-913	897	897	.	2	972	.	178	897	.	1
63	G4	8	-918	902	901	-1	2	977	.	178	901	.	1
64	G4	9	-966	949	950	1	1	958	.	149	949	-1	1
65	G4	10	-1027	1008	1009	1	1	984	.	202	1009	.	1
66	G5	2	-1037	1018	1019	1	1	962	.	184	1019	.	1
67	G5	3	-1049	1029	1031	2	1	964	.	202	1031	.	1
68	G5	4	-1108	1086	1089	3	1	968	.	149	1089	.	1
69	G5	5	-1162	1139	1140	1	1	964	.	252	1140	.	1
70	G5	6	-1167	1144	1145	1	2	947	.	228	1145	.	1
71	G5	7	-1167	1144	1145	1	1	953	.	149	1145	.	1
72	G5	8	-1172	1148	1150	2	2	965	.	228	1150	.	1
73	G6	2	-1246	1220	1219	-1	1	988	.	149	1219	.	1
74	G6	3	-1326	1298	1294	-4	2	977	.	252	1294	.	1
75	G6	4	-1326	1298	1294	-4	2	977	.	252	1294	.	1
76	G6	5	-1384	1354	1347	-7	1	965	.	252	1347	.	1
77	G6	6	-1662	1623	.	.	.	.	.	276	1620	.	2
78	G6	7	-1666	1627	.	.	.	.	.	278	.	.	.
79	G6	8	-1743	1702	.	.	.	.	.	276	1699	.	1
80	G7	7	-1061	1041	1043	2	1	987	.	244	1043	.	1
81	G8	2	-1048	1028	1030	2	1	945	.	212	1029	-1	1

DATA: HH850322A16.TI
05/22/85 13:58:00
SAMPLE: 1 UL SEMI STD. 2353(14661) 50NG ON#16
DS.:
SUBMITTED BY: 16 ANALYST: 740

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

NO	NAME
1	*494 D4-1,4-DICHLORLBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	610 PHENOL (G1#3) <108-95-2>
4	473 ANILINE (G1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
6	601 2-CHLOROPHENOL (G1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
9	474 BENZYL ALCOHOL (G1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
11	620 2-METHYLPHENOL (G1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
13	622 4-METHYLPHENOL (G1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
15	436 HEXACHLOROETHANE (G1#15) <67-72-1>
16	440 NITROBENZENE (G1#16) <98-95-3>
17	*460 D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (G2#2) <78-59-1>
[illegible]	606 2-NITROPHENOL (G2#3) <88-75-5>
	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
21	625 BENZOIC ACID (G2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
25	439 NAPHTHALENE (G2#9) <91-20-3>
26	475 4-CHLOROANILINE (G2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
30	*495 D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
35	478 2-NITROANILINE (G3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
37	402 ACENAPHTHYLENE (G3#8) <208-96-8>
38	479 3-NITROANILINE (G3#9) <99-09-2>
39	401 ACENAPHTHENE (G3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (G3#11) <51-28-5>
41	607 4-NITROPHENOL (G3#12) <100-02-7>
42	476 DIBENZOFURAN (G3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
[illegible]	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
?	#467 D10-PHENANTHRENE (IS#4)
)	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	#459 D12-CHRYSENE (IS#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	#497 D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
'	#619 2-FLUOROPHENOL (SS#1)
,	#612 D5-PHENOL (SS#2)
77	#447 D5-NITROBENEZENE (SS#3)
78	#448 2-FLUOROBIPHENYL (SS#4)
79	#628 2,4,6-TRIBROMOPHENOL (SS#5)
80	#496 D14-TERPHENYL (SS#7)
81	#471 D10-PYRENE (SS#6)

P.Park 5-22-85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	475	7:08	1	1.000	A VB	2259450.	40.000	NG	0.98
2	42	253	3:48	1	0.533	A VV	6294870.	50.000	NG	1.22
3	94	445	6:41	1	0.937	A BB	8212540.	50.000	NG	1.22
4	93	449	6:44	1	0.945	A VV	8776440.	50.000	NG	1.22
5	93	454	6:49	1	0.956	A VV	8013690.	50.000	NG	1.22
6	128	459	6:53	1	0.966	A BB	4727510.	50.000	NG	1.22
7	146	471	7:04	1	0.992	A BV	4491710.	50.000	NG	1.22
8	146	476	7:09	1	1.002	A VB	5256730.	50.000	NG	1.22
9	108	487	7:19	1	1.025	A BV	3730330.	50.000	NG	1.22
10	146	492	7:23	1	1.036	A BB	4194970	50.000	NG	1.22
11	108	497	7:28	1	1.046	A VV	4870230.	50.000	NG	1.22
12	45	502	7:32	1	1.057	A VV	17814000.	50.000	NG	1.22
13	108	510	7:39	1	1.074	A BV	5279550.	50.000	NG	1.22
14	70	513	7:42	1	1.080	A#VV	6669840.	50.000	NG	1.22
15	117	520	7:48	1	1.095	A BB	2353880.	50.000	NG	1.22
16	77	527	7:55	1	1.109	A BB	7337710.	50.000	NG	1.22
'7	136	590	8:51	17	1.000	A BV	8288830.	40.000	NG	0.98
1	82	548	8:14	17	0.929	A VV	11606700.	50.000	NG	1.22
19	139	556	8:21	17	0.942	A BV	2034360.	50.000	NG	1.22

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	558	8:23	17	0.946	A BV	3711160.	50.000	NG	1.22
21	122	565	8:29	17	0.958	A VV	1566650.	50.000	NG	1.22
2	93	567	8:31	17	0.961	A BV	6795610.	50.000	NG	1.22
3	162	577	8:40	17	0.978	A BB	2555770.	50.000	NG	1.22
24	180	586	8:48	17	0.993	A BB	2750360.	50.000	NG	1.22
25	128	592	8:53	17	1.003	A BV	10616700.	50.000	NG	1.22
26	127	597	8:58	17	1.012	A VV	4453720.	50.000	NG	1.22
27	225	608	9:08	17	1.031	A BB	1157950.	50.000	NG	1.22
28	107	640	9:36	17	1.085	A BV	3510780.	50.000	NG	1.22
29	142	656	9:51	17	1.112	A BB	6195070.	50.000	NG	1.22
30	164	756	11:21	30	1.000	A BB	3170550.	40.000	NG	0.98
31	237	677	10:10	30	0.896	A BB	884096.	50.000	NG	1.22
32	196	687	10:19	30	0.909	A*BB	2440540.	100.000	NG	2.44
33	196	687	10:19	30	0.909	A*BB	2440540.	100.000	NG	2.44
34	162	702	10:32	30	0.929	A BB	5276670.	50.000	NG	1.22
35	65	713	10:42	30	0.943	A BV	2717210.	50.000	NG	1.22
36	163	732	10:59	30	0.968	A BV	4915870.	50.000	NG	1.22
37	152	742	11:08	30	0.981	A VV	7970550.	50.000	NG	1.22
38	138	751	11:16	30	0.993	A BV	1149980.	50.000	NG	1.22
39	153	759	11:24	30	1.004	A BB	5698270.	50.000	NG	1.22
40	184	761	11:25	30	1.007	A BB	235904.	50.000	NG	1.22
41	139	764	11:28	30	1.011	A VV	761248.	50.000	NG	1.22
42	168	774	11:37	30	1.024	A BB	6176090.	50.000	NG	1.22
43	89	775	11:38	30	1.025	A BB	1615450.	50.000	NG	1.22
44	165	739	11:06	30	0.978	A BB	969824.	50.000	NG	1.22
45	149	798	11:59	30	1.056	A BV	5479070.	50.000	NG	1.22
46	204	805	12:05	30	1.065	A*BB	1763070.	50.000	NG	1.22
47	166	806	12:06	30	1.066	A BB	4739390.	50.000	NG	1.22
1	138	809	12:09	30	1.070	A BV	1000380.	50.000	NG	1.22
49	188	895	13:26	49	1.000	A BB	3680950.	40.000	NG	0.98
50	198	814	12:13	49	0.909	A BV	369568.	50.000	NG	1.22
51	169	816	12:15	49	0.912	A BV	2832120.	50.000	NG	1.22
52	248	851	12:46	49	0.951	A BB	913088.	50.000	NG	1.22
53	284	866	13:00	49	0.968	A BB	1044280.	50.000	NG	1.22
54	266	881	13:13	49	0.984	A BB	354208.	50.001	NG	1.22
55	178	897	13:28	49	1.002	A BV	5677400.	50.000	NG	1.22
56	178	901	13:31	49	1.007	A VV	5273180.	50.000	NG	1.22
57	149	949	14:15	49	1.060	A VV	6792310.	50.000	NG	1.22
58	202	1009	15:09	49	1.127	A VV	4024670.	50.000	NG	1.22
59	240	1147	17:13	59	1.000	A BV	1553050.	40.000	NG	0.98
60	184	1019	15:18	59	0.888	A BB	215680.	50.000	NG	1.22
61	202	1031	15:29	59	0.899	A VV	4445880.	50.000	NG	1.22
62	149	1089	16:21	59	0.949	A VV	1851930.	50.000	NG	1.22
63	252	1140	17:07	59	0.994	A BV	462944.	50.000	NG	1.22
64	228	1145	17:11	59	0.998	A BV	2782950.	50.000	NG	1.22
65	149	1145	17:11	59	0.998	A VV	2810250.	50.000	NG	1.22
66	228	1150	17:16	59	1.003	A VV	2258650.	50.000	NG	1.22
67	264	1357	20:22	67	1.000	A BB	1156030.	40.000	NG	0.98
68	149	1219	18:18	67	0.898	A VV	3812790.	50.000	NG	1.22
69	252	1294	19:25	67	0.954	A VB	1821690.	50.000	NG	1.22
70	252	1294	19:25	67	0.954	A VB	1821690.	50.000	NG	1.22
71	252	1347	20:13	67	0.993	A BB	1465590.	50.000	NG	1.22
72	276	1607	24:07	67	1.184	A BB	1546870.	50.000	NG	1.22
73	278	1611	24:11	67	1.187	A BB	1246680.	50.000	NG	1.22
1	276	1683	25:16	67	1.240	A BB	1224400.	50.000	NG	1.22
75	112	369	5:32	1	0.777	A VV	5859580.	50.001	NG	1.22

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	444	6:40	1	0.935	A BV	7911190.	50.001	NG	1.22
77	82	525	7:53	17	0.890	A VV	6536760.	50.001	NG	1.22
	172	691	10:22	30	0.914	A BB	5373500.	50.001	NG	1.22
	141	831	12:28	30	1.099	A*BV	267328.	50.001	NG	1.22
80	244	1043	15:39	59	0.909	A VV	2696120.	50.001	NG	1.22
81	212	1029	15:27	59	0.897	A VV	3529690.	50.000	NG	1.22

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	3:48	1.00	10.000	0.05	50.00	50.00	2.229	2.229	1.00
3	6:41	1.00	10.000	0.09	50.00	50.00	2.908	2.908	1.00
4	6:44	1.00	10.000	0.09	50.00	50.00	3.107	3.107	1.00
5	6:49	1.00	10.000	0.10	50.00	50.00	2.837	2.837	1.00
6	6:53	1.00	10.000	0.10	50.00	50.00	1.674	1.674	1.00
7	7:04	1.00	10.000	0.10	50.00	50.00	1.590	1.590	1.00
8	7:09	1.00	10.000	0.10	50.00	50.00	1.861	1.861	1.00
9	7:19	1.00	10.000	0.10	50.00	50.00	1.321	1.321	1.00
10	7:23	1.00	10.000	0.10	50.00	50.00	1.485	1.485	1.00
11	7:28	1.00	10.000	0.10	50.00	50.00	1.724	1.724	1.00
12	7:32	1.00	10.000	0.11	50.00	50.00	6.307	6.307	1.00
13	7:39	1.00	10.000	0.11	50.00	50.00	1.869	1.869	1.00
14	7:42	1.00	10.000	0.11	50.00	50.00	2.362	2.362	1.00
15	7:48	1.00	10.000	0.11	50.00	50.00	0.833	0.833	1.00
16	7:55	1.00	10.000	0.11	50.00	50.00	2.598	2.598	1.00
17	8:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:14	1.00	10.000	0.09	50.00	50.00	1.120	1.120	1.00
19	8:21	1.00	10.000	0.09	50.00	50.00	0.196	0.196	1.00
20	8:23	1.00	10.000	0.09	50.00	50.00	0.358	0.358	1.00
	8:29	1.00	50.000	0.02	50.00	50.00	0.151	0.151	1.00
	8:31	1.00	10.000	0.10	50.00	50.00	0.656	0.656	1.00
23	8:40	1.00	10.000	0.10	50.00	50.00	0.247	0.247	1.00
24	8:48	1.00	10.000	0.10	50.00	50.00	0.265	0.265	1.00
25	8:53	1.00	10.000	0.10	50.00	50.00	1.025	1.025	1.00
26	8:58	1.00	10.000	0.10	50.00	50.00	0.430	0.430	1.00
27	9:08	1.00	10.000	0.10	50.00	50.00	0.112	0.112	1.00
28	9:36	1.00	10.000	0.11	50.00	50.00	0.339	0.339	1.00
29	9:51	1.00	10.000	0.11	50.00	50.00	0.598	0.598	1.00
30	11:21	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:10	1.00	10.000	0.09	50.00	50.00	0.223	0.223	1.00
32	10:19	1.00	10.000	0.09	100.00	100.00	0.308	0.308	1.00
33	10:19	1.00	100.000	0.01	100.00	100.00	0.308	0.308	1.00
34	10:32	1.00	10.000	0.09	50.00	50.00	1.331	1.331	1.00
35	10:42	1.00	50.000	0.02	50.00	50.00	0.686	0.686	1.00
36	10:59	1.00	10.000	0.10	50.00	50.00	1.240	1.240	1.00
37	11:08	1.00	10.000	0.10	50.00	50.00	2.011	2.011	1.00
38	11:16	1.00	50.000	0.02	50.00	50.00	0.290	0.290	1.00
39	11:24	1.00	10.000	0.10	50.00	50.00	1.438	1.438	1.00
40	11:25	1.00	50.000	0.02	50.00	50.00	0.060	0.060	1.00
41	11:28	1.00	50.000	0.02	50.00	50.00	0.192	0.192	1.00
42	11:37	1.00	10.000	0.10	50.00	50.00	1.558	1.558	1.00
43	11:38	1.00	10.000	0.10	50.00	50.00	0.408	0.408	1.00
44	11:06	1.00	10.000	0.10	50.00	50.00	0.245	0.245	1.00
45	11:59	1.00	10.000	0.11	50.00	50.00	1.382	1.382	1.00
46	12:05	1.00	10.000	0.11	50.00	50.00	0.445	0.445	1.00
	12:06	1.00	10.000	0.11	50.00	50.00	1.196	1.196	1.00
48	12:09	1.00	50.000	0.02	50.00	50.00	0.252	0.252	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:26	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:13	1.00	50.000	0.02	50.00	50.00	0.080	0.080	1.00
51	12:15	1.00	10.000	0.09	50.00	50.00	0.616	0.616	1.00
?	12:46	1.00	10.000	0.10	50.00	50.00	0.198	0.198	1.00
53	13:00	1.00	10.000	0.10	50.00	50.00	0.227	0.227	1.00
54	13:13	1.00	50.000	0.02	50.00	50.00	0.077	0.077	1.00
55	13:28	1.00	10.000	0.10	50.00	50.00	1.234	1.234	1.00
56	13:31	1.00	10.000	0.10	50.00	50.00	1.146	1.146	1.00
57	14:15	1.00	10.000	0.11	50.00	50.00	1.476	1.476	1.00
58	15:09	1.00	10.000	0.11	50.00	50.00	0.875	0.875	1.00
59	17:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:18	1.00	50.000	0.02	50.00	50.00	0.111	0.111	1.00
61	19:29	1.00	10.000	0.09	50.00	50.00	2.290	2.290	1.00
62	16:21	1.00	10.000	0.09	50.00	50.00	0.954	0.954	1.00
63	17:07	1.00	20.000	0.05	50.00	50.00	0.238	0.238	1.00
64	17:11	1.00	10.000	0.10	50.00	50.00	1.433	1.433	1.00
65	17:11	1.00	10.000	0.10	50.00	50.00	1.448	1.448	1.00
66	17:16	1.00	10.000	0.10	50.00	50.00	1.163	1.163	1.00
67	20:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:18	1.00	10.000	0.09	50.00	50.00	2.639	2.639	1.00
69	19:25	1.00	10.000	0.10	50.00	50.00	1.053	1.053	1.00
70	19:25	1.00	10.000	0.10	50.00	50.00	1.053	1.053	1.00
71	20:13	1.00	10.000	0.10	50.00	50.00	1.014	1.014	1.00
72	24:07	1.00	10.000	0.12	50.00	50.00	1.070	1.070	1.00
73	24:11	1.00	10.000	0.12	50.00	50.00	0.863	0.863	1.00
74	25:16	1.00	10.000	0.12	50.00	50.00	0.847	0.847	1.00
75	5:32	1.00	0.742	1.05	50.00	50.00	2.075	2.075	1.00
76	6:40	1.00	0.948	0.99	50.00	50.00	2.801	2.801	1.00
77	7:53	1.00	0.875	1.02	50.00	50.00	0.631	0.631	1.00
1	10:22	1.00	0.906	1.01	50.00	50.00	1.356	1.356	1.00
79	12:28	1.00	1.118	0.98	50.00	50.00	0.067	0.067	1.00
80	15:39	1.00	0.907	1.00	50.00	50.00	1.389	1.389	1.00
81	15:27	1.00	0.906	0.99	50.00	50.00	1.818	1.818	1.00

SC850522A/6

SEMIVOA.	% RECOVERY
2 FLUOROPHENOL	41.8 / 50 x 100 = 84
D5 PHENOL	39.7 / 50 x 100 = 79
TRIBROMOPHNOL	30.6 / 50 x 100 = 61

$$\%\ \text{RECOVERY} = \frac{\text{QUANT REPORT VALUE}}{50} \times 100$$

% RECOVERY MUST BE GREATER THAN 75 %

COMMENTS OR CORRECTIVE ACTION TAKEN

PROCEDURE: RK
DATA FILE: SC850522A16
REFERENCE: SEMISUR
METHOD: SEMISUR INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMISURS

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	3	1	81	6	6	1	56	SEMISURS/SEMISURU

6 COMPOUNDS PROCESSED, 6 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	01	1	-475	483	483	.	1	959	.	152	483	.	1
2	02	1	-590	598	599	1	1	961	.	136	599	.	2
3	03	1	-756	764	764	.	1	987	.	164	764	.	1
4	07	2	-369	377	377	.	1	902	.	112	377	.	1
5	07	3	-444	452	453	1	1	915	.	99	453	.	1
6	07	6	-831	839	839	.	1	903	.	141	839	.	1

QUANTITATION REPORT FILE: SC850522A16

DATA: SC850522A16.TI
05/22/85 15:11:00
MPLE: 1 UL SEMI CHROMAT. CHECK 392(14624) ON#16
NDB.:
SUBMITTED BY: 16 ANALYST: 740

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

NO	NAME
1	*494 D4-1,4-DICHLORLBENZENE (IS#1)
2	*460 D8-NAPHTHALENE (IS#2)
3	*495 D10-ACENAPHTHENE (IS#3)
4	#619 2-FLUOROPHENOL (SS#1)
5	#612 D5-PHENOL (SS#2)
6	#628 2,4,6-TRIBROMOPHENOL (SS#3)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	483	7:15	1	1.000	A BB	1541020.	40.000	NG	17.24
2	136	599	8:59	2	1.000	A*BB	5577720.	40.000	NG	17.24
3	164	764	11:28	3	1.000	A BB	1911420.	40.000	NG	17.24
4	112	377	5:40	1	0.781	A VV	3343360.	41.830	NG	18.02
5	99	453	6:48	1	0.938	A BV	4281880.	39.680	NG	17.10
6	141	839	12:36	3	1.098	A BB	98528.	30.569	NG	13.17

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:08	1.02	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	8:51	1.02	10.000	0.10	40.00	40.00	1.000	1.000	1.00
3	11:21	1.01	10.000	0.10	40.00	40.00	1.000	1.000	1.00
4	5:32	1.02	0.742	1.05	41.83	50.00	1.736	2.075	0.84
5	6:40	1.02	0.948	0.99	39.68	50.00	2.223	2.801	0.79
6	12:28	1.01	1.118	0.98	30.57	50.00	0.041	0.067	0.61

GEN Test

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Copy 2

Initial Time of Tune 11:58
Time Tune Expires 23:58

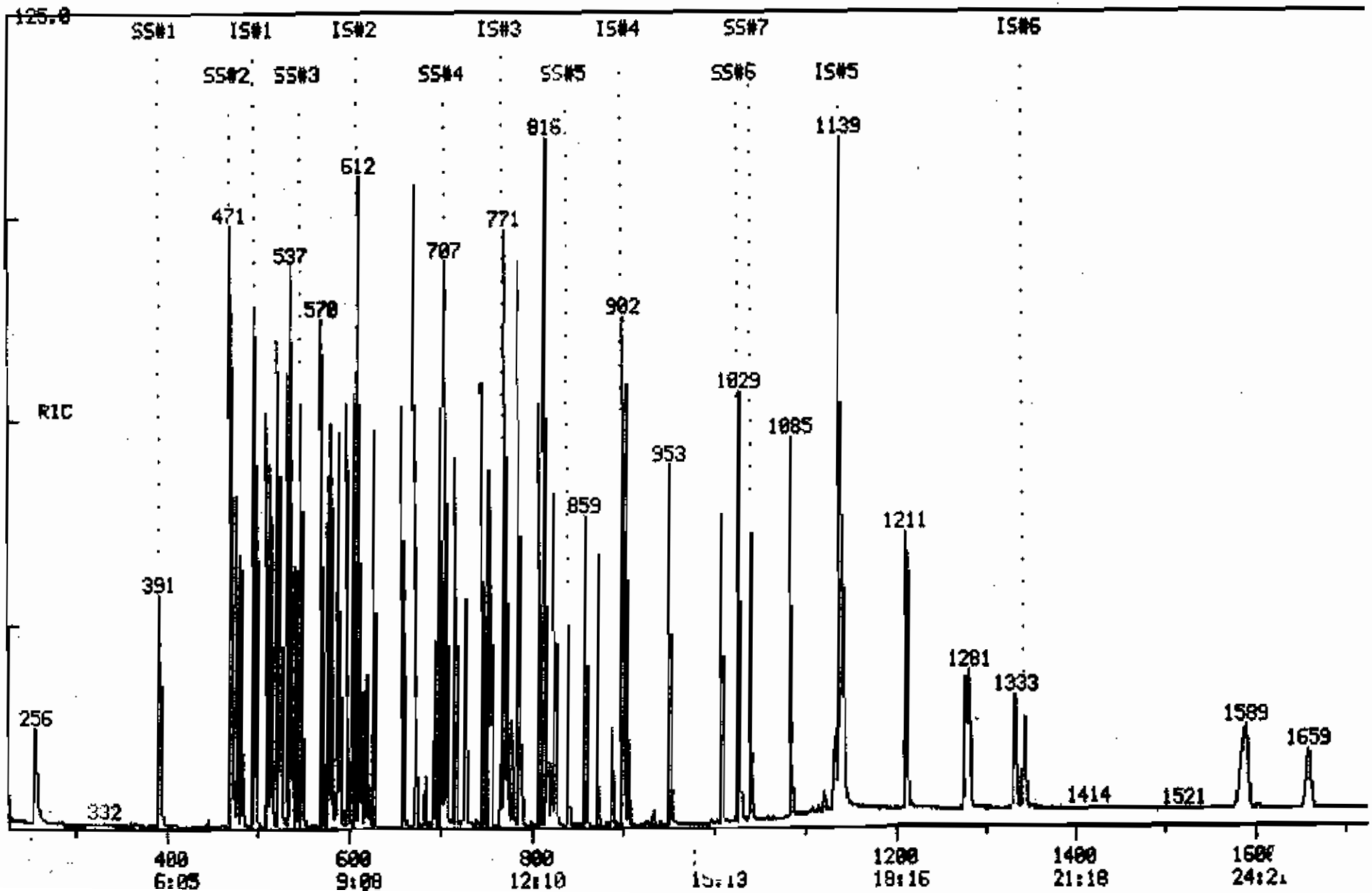
Shift(s) (A) (B) (C)
Date 5/22/85
Analysis Type Gen

	RELEASED	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		DH850522A16		5/22/85	:			1µl	740		2778	
2		DI850522A16		/ /	:							
3		HG850522A16		141	:			1µl	740		2778	
4		HH850522A16		141	:			1µl	740		2778	
5		SC850522A16		141	:			1µl	740		2778	
6	WP	GH049806A16		1 "	15:38	SS	Gen Test	"	"		4	
7	WP	GJ049805B16		5/22/85	16:26	SS	Gentest	1µl	803		2778	
8		GH049803B16		5/22/85	17:11	50705A	Gentest	1µl	803		2778	
9	TM	GH049811B16		5/22/85	17:57	50705E	Gentest	1µl	803		2778	
10	TM	GH049812B16		5/22/85	18:35	50705B	Gentest	1µl	803		2778	
11		GH049813B16		5/22/85	20:16	50705C	Gentest	1µl	803		2778	
12	TM	GH049814B16		5/22/85	:	T/Blk 11446	Gentest	1µl	803	deleted	2778	J.F. Power Tube
13		GJ049814B16		5/22/85	22:29	T/Blk 11446	Gentest	1µl	803		2778	
14		GH050088B16		5/22/85	23:04	Bal	4239	1µl	803		2778	
15				/ /	:							
16				/ /	:							
17				/ /	:							
18				/ /	:							
19				/ /	:							
20				/ /	:							
21				/ /	:							
22				/ /	:							
23				/ /	:							
24				/ /	:							
25				/ /	:							
26				/ /	:							

5/23/85

Press Here, Multiple Copies

5/23/85


COMPUCHEM LABS
COMPUCHEM DATA: HG850525C07 SCANS 224 TO 1724
OUT OF 224 TO 1900
RIC
05/25/85 6:52:00
SAMPLE: 1UL SEMI1 SHIFT STD 14661)2353)ON#7
CONDS.:
125.0
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
816
1139
612
471
771
537
707
570
902
RIC
1029
1085
953
859
1211
391
1281
1333
256
1589
1659
332
1414
1521
400
6:05
600
9:08
800
12:10
1200
18:16
1400
21:18
1600
24:21

COMPUCHEM LABS

RIC

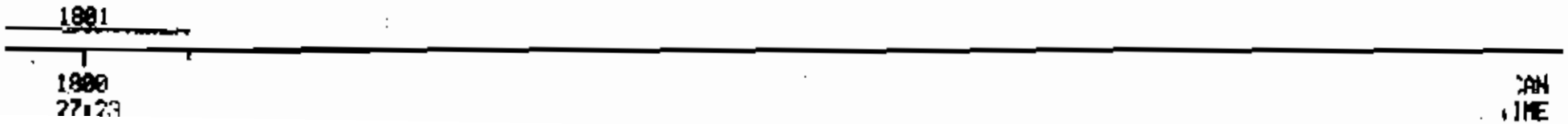
COMPUCHEM DATA: HG850525C07 SCANS 1724 TO 1900
OUT OF 224 TO 1900

05/25/85 6:52:00

SAMPLE: 1UL SEMI1 SHIFT STD 14661)2353)ON#7

CONDS.:

17715100.



PROCEDURE: RK DIAGNOSTIC REPORT 5/25/85 7:22:56
DATA FILE: HG850525C07
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1R1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
4	4	1	0	53	39	4	86	SEMI1S1/SEMI1U1
3	3	6	138	25	26	16	105	SEMI1S2/SEMI1U2

81 COMPOUNDS PROCESSED, 65 FOUND

COMPOUND			SEARCH					BAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	PIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	G1	1	-499	498	498	.	1	969	.	132	498	.	1
2	G3	1	-769	768	768	.	1	996	.	164	768	.	1
3	G2	1	-611	610	610	.	1	992	.	136	610	.	1
4	G7	2	-392	391	391	.	1	910	.	112	391	.	1
5	G1	2	-254	254	256	2	1	915	.	42	256	.	1
6	G1	3	-472	471	.	.	.	.	.	94	471	.	1
7	G1	4	-474	473	.	.	.	.	.	93	473	.	1
8	G1	5	-479	478	478	.	1	992	.	93	478	.	1
9	G1	6	-483	482	.	.	.	.	.	128	482	.	1
10	G1	7	-496	495	495	.	2	943	.	146	495	.	1
11	G1	8	-500	499	499	.	2	943	.	146	499	.	1
12	G1	9	-512	511	511	.	1	940	.	108	511	.	1
13	G1	10	-516	515	515	.	1	940	.	146	515	.	1
14	G1	11	-523	522	522	.	1	1000	.	108	522	.	1
15	G1	12	-526	525	525	.	1	920	.	45	525	.	1
17	G1	13	-535	534	534	.	1	910	.	108	534	.	1
	G1	14	-538	537	.	.	.	.	.	70	537	.	1
18	G1	15	-544	543	542	-1	1	933	.	117	543	1	1
19	G1	16	-550	549	550	1	1	918	.	77	550	.	1
20	G2	2	-571	570	.	.	.	.	.	82	570	.	1
21	G2	3	-579	578	.	.	.	.	.	139	578	.	1
22	G2	4	-581	580	581	1	1	921	.	122	581	.	2
23	G2	5	-588	587	.	.	.	.	.	122	589	.	1
24	G2	6	-590	589	589	.	1	971	.	93	589	.	2
25	G2	7	-599	598	598	.	1	936	.	162	598	.	1
26	G2	8	-607	606	606	.	1	953	.	180	606	.	1
27	G2	9	-613	612	612	.	1	972	.	128	612	.	1
28	G2	10	-618	617	.	.	.	.	.	127	617	.	1
29	G2	11	-629	628	628	.	1	952	.	225	628	.	1
30	G2	12	-660	659	659	.	1	917	.	107	659	.	1
31	G2	13	-674	673	673	.	1	953	.	142	673	.	1
32	G3	2	-694	693	693	.	1	921	.	237	693	.	1
33	G3	3	-704	703	700	-3	1	964	.	196	700	.	2
34	G3	4	-704	703	700	-3	1	940	.	196	700	.	2
35	G3	5	-717	716	716	.	1	986	.	162	716	.	1
36	G3	6	-728	727	.	.	.	.	.	65	727	.	1
37	G3	7	-747	746	746	.	1	990	.	163	746	.	1
38	G3	8	-755	754	755	1	1	994	.	152	754	-1	1
39	G3	9	-728	727	.	.	.	.	.	138	727	.	1
40	G3	10	-772	771	771	.	1	979	.	153	771	.	1
41	G3	11	-774	773	.	.	.	.	.	184	773	.	1
	G3	12	-786	785	.	.	.	.	.	139	785	.	1
.	G3	13	-786	785	785	.	1	989	.	168	785	.	1
44	G3	14	-788	787	787	.	1	917	.	89	787	.	2
45	G3	15	-753	752	752	.	1	933	.	165	752	.	1
46	G3	16	-810	809	.	.	.	.	.	149	809	.	1
47	G3	17	-816	815	815	.	1	918	.	204	815	.	1
48	G3	18	-817	816	816	.	1	987	.	166	816	.	1

51	07	4	-549	548	548	.	1	961	.	82	548	.	1
52	07	5	-708	707	707	.	1	970	.	172	707	.	1
53	07	6	-840	838	839	1	1	947	.	141	839	.	1
54	04	1	-901	901	900	-1	1	984	.	188	900	.	1
55	05	1	-1142	1139	1140	1	1	938	.	240	1139	-1	1
56	06	1	-1348	1343	1342	-1	6	999	.	264	1342	.	1
	04	2	-824	824	.	.	.	.	.	198	823	.	1
	04	3	-827	827	826	-1	1	900	.	169	826	.	1
59	04	4	-860	860	859	-1	1	929	.	248	858	-1	1
60	04	5	-874	874	872	-2	1	902	.	284	872	.	1
61	04	6	-889	888	888	.	1	954	.	266	887	-1	1
62	04	7	-907	906	906	.	2	991	.	178	906	.	1
63	04	8	-907	906	906	.	2	990	.	178	906	.	1
64	04	9	-954	953	953	.	1	960	.	149	952	-1	1
65	04	10	-1010	1008	1009	1	1	989	.	202	1008	-1	1
66	05	2	-1020	1018	.	.	.	.	.	184	1018	.	1
67	05	3	-1031	1029	1029	.	1	995	.	202	1029	.	1
68	05	4	-1087	1084	1085	1	1	971	.	149	1085	.	1
69	05	5	-1136	1133	1134	1	1	987	.	252	1133	-1	1
70	05	6	-1140	1137	1138	1	2	980	.	228	1138	.	1
71	05	7	-1142	1139	1139	.	1	992	.	149	1139	.	1
72	05	8	-1145	1142	1142	.	2	988	.	228	1142	.	1
73	06	2	-1215	1211	1211	.	1	992	.	149	1211	.	1
74	06	3	-1282	1277	1281	4	1	972	.	252	1281	.	2
75	06	4	-1286	1281	1281	.	1	968	.	252	1281	.	2
76	06	5	-1338	1333	1333	.	1	986	.	252	1333	.	1
77	06	6	-1594	1586	1585	-1	1	985	.	276	1585	.	1
78	06	7	-1598	1590	1589	-1	1	953	.	278	1590	1	1
79	06	8	-1668	1660	1659	-1	1	978	.	276	1659	.	1
80	07	7	-1043	1041	1041	.	1	986	.	244	1040	-1	1
81	08	2	-1029	1027	1027	.	1	936	.	212	1027	.	1

Internal Standard Area Monitor

QUANTITATION REPORT FILE: HG850525C07

DATA: HG850525C07.TI
(25/85 6:52:00
SAMPLE: 1UL SEMI1 SHIFT STD 14661)2353)ON#7
CONDS. :
SUBMITTED BY: 7 ANALYST: 755

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (TS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	610 PHENOL (G1#3) <108-95-2>
4	473 ANILINE (G1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
6	601 2-CHLOROPHENOL (G1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
9	474 BENZYL ALCOHOL (G1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
11	620 2-METHYLPHENOL (G1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
13	622 4-METHYLPHENOL (G1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
15	436 HEXACHLOROETHANE (G1#15) <67-72-1>
16	440 NITROBENZENE (G1#16) <98-95-3>
	*** D8-NAPHTHALENE (IS#2)
	438 ISOPHORONE (G2#2) <78-59-1>
19	606 2-NITROPHENOL (G2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
21	625 BENZOIC ACID (G2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
25	439 NAPHTHALENE (G2#9) <91-20-3>
26	475 4-CHLOROANILINE (G2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLORDCYCLOPENTADIENE (G3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
35	478 2-NITROANILINE (G3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
37	402 ACENAPHTHYLENE (G3#8) <208-96-8>
38	479 3-NITROANILINE (G3#9) <99-09-2>
39	401 ACENAPHTHENE (G3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (G3#11) <51-28-5>
41	607 4-NITROPHENOL (G3#12) <100-02-7>
42	476 DIBENZOFURAN (G3#13) <132-64-9>
	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (Q3#18) <86-73-7>
48	480 4-NITROANILINE (Q3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
..	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
55	444 PHENANTHRENE (Q4#7) <85-01-8>
56	403 ANTHRACENE (Q4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
58	431 FLUORANTHENE (Q4#10) <206-44-0>
59	*** D12-CHRYSENE (IS#5)
60	404 BENZIDINE (Q5#2) <92-87-5>
61	445 PYRENE (Q5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
66	418 CHRYSENE (Q5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
71	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
75	### 2-FLUOROPHENOL (SS#1)
	### D5-PHENOL (SS#2)
..	### D5-NITROBENZENE (SS#3)
78	### 2-FLUOROBIPHENYL (SS#4)
79	### 2,4,6-TRIBROMOPHENOL (SS#5)
80	### D14-TERPHENYL (SS#6)
81	### D10 PYRENE

DMM 5/25/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	498	7:35	1	1.000	A BB	1563640.	40.000	NG	0.95
2	42	256	3:54	1	0.514	A VV	3448160.	50.000	NG	1.19
3	94	471	7:10	1	0.946	A BV	3714650.	50.000	NG	1.19
4	93	473	7:12	1	0.950	A BV	3332790.	50.000	NG	1.19
5	93	478	7:16	1	0.960	A VV	3122970.	50.000	NG	1.19
6	128	482	7:20	1	0.968	A BV	2598550.	50.000	NG	1.19
7	146	495	7:32	1	0.994	A BV	3077430.	50.000	NG	1.19
8	146	499	7:36	1	1.002	A VV	3173020.	50.000	NG	1.19
9	108	511	7:47	1	1.026	A BV	1500790.	50.000	NG	1.19
10	146	515	7:50	1	1.034	A BB	2855990.	50.000	NG	1.19
11	108	522	7:57	1	1.048	A VB	2147900.	50.000	NG	1.19
12	45	525	7:59	1	1.054	A BV	5624410.	50.000	NG	1.19
13	108	534	8:08	1	1.072	A BV	2394940.	50.000	NG	1.19
14	70	537	8:10	1	1.078	A VV	2618490.	50.000	NG	1.19
15	117	543	8:16	1	1.090	A BB	1436760.	50.000	NG	1.19
16	77	550	8:22	1	1.104	A VV	3537690.	50.000	NG	1.19
17	136	610	9:17	17	1.000	A BV	4905690.	40.000	NG	0.95
	82	570	8:40	17	0.934	A BV	6017180.	50.000	NG	1.19
	139	578	8:48	17	0.948	A BB	1187320.	50.000	NG	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	581	8:50	17	0.952	A*BV	2197110.	50.000	NG	1.19
21	122	589	8:58	17	0.966	A VV	1014240.	50.000	NG	1.19
22	93	589	8:58	17	0.966	A*VV	2972030.	50.000	NG	1.19
	162	598	9:06	17	0.980	A BV	2005910.	50.000	NG	1.19
24	180	606	9:13	17	0.993	A BB	2364700.	50.000	NG	1.19
25	128	612	9:19	17	1.003	A VV	6831870.	50.000	NG	1.19
26	127	617	9:23	17	1.011	A VV	1877270.	50.000	NG	1.19
27	225	628	9:33	17	1.030	A BB	1361400.	50.000	NG	1.19
28	107	659	10:02	17	1.080	A BV	2454460.	50.000	NG	1.19
29	142	673	10:14	17	1.103	A BV	4219450.	50.000	NG	1.19
30	164	768	11:41	30	1.000	A BB	2473720.	40.000	NG	0.95
31	237	693	10:33	30	0.902	A BB	944096.	50.000	NG	1.19
32	196	700	10:39	30	0.911	A*BV	2401180. 1200590	100.000	NG	2.39
33	196	700	10:39	30	0.911	A*BV	2401180. 1200590	100.000	NG	2.39
34	162	716	10:54	30	0.932	A BB	3930230.	50.000	NG	1.19
35	65	727	11:04	30	0.947	A VV	1820670.	50.000	NG	1.19
36	163	746	11:21	30	0.971	A BV	4583990.	50.000	NG	1.19
37	152	754	11:28	30	0.982	A BV	5489690.	50.000	NG	1.19
38	138	727	11:04	30	0.947	A BV	1260190.	50.000	NG	1.19
39	153	771	11:44	30	1.004	A BB	3873530.	50.000	NG	1.19
40	184	773	11:46	30	1.007	A BV	215648.	50.000	NG	1.19
41	139	785	11:57	30	1.022	A VV	2766620.	50.000	NG	1.19
42	168	785	11:57	30	1.022	A BB	5149690.	50.000	NG	1.19
43	89	787	11:59	30	1.025	A*BB	1433050.	50.000	NG	1.19
44	165	752	11:27	30	0.979	A BB	907232.	50.000	NG	1.19
45	149	809	12:19	30	1.053	A VV	5044700.	50.000	NG	1.19
46	204	815	12:24	30	1.061	A BB	1848440.	50.000	NG	1.19
47	166	816	12:25	30	1.062	A BB	4060470.	50.000	NG	1.19
48	138	820	12:29	30	1.068	A*BV	511808.	50.000	NG	1.19
	188	900	13:42	49	1.000	A BV	4007800.	40.000	NG	0.95
50	198	823	12:31	49	0.914	A BV	418912.	50.000	NG	1.19
51	169	826	12:34	49	0.918	A BV	2385660.	50.000	NG	1.19
52	248	858	13:03	49	0.953	A BB	1061980.	50.000	NG	1.19
53	284	872	13:16	49	0.969	A BB	1486140.	50.000	NG	1.19
54	266	887	13:30	49	0.986	A BB	331584.	50.000	NG	1.19
55	178	902	13:44	49	1.002	A BV	5355160.	50.000	NG	1.19
56	178	906	13:47	49	1.007	A VV	5002360.	50.000	NG	1.19
57	149	952	14:29	49	1.058	A VV	7428440.	50.000	NG	1.19
58	202	1008	15:20	49	1.120	A BV	5220830.	50.000	NG	1.19
59	240	1139	17:20	59	1.000	A BV	2657500.	40.000	NG	0.95
60	184	1018	15:29	59	0.894	A BB	20160.	50.000	NG	1.19
61	202	1029	15:40	59	0.903	A VV	5377240.	50.000	NG	1.19
62	149	1085	16:31	59	0.953	A BV	2756880.	50.000	NG	1.19
63	252	1133	17:14	59	0.995	A BV	605600.	50.000	NG	1.19
64	228	1138	17:19	59	0.999	A VV	3928880.	50.000	NG	1.19
65	149	1139	17:20	59	1.000	A VV	4539560.	50.001	NG	1.19
66	228	1142	17:23	59	1.003	A VV	3602510.	50.000	NG	1.19
67	264	1342	20:25	67	1.000	A BV	2356030.	40.000	NG	0.95
68	149	1211	18:26	67	0.902	A BV	6457090.	50.000	NG	1.19
69	252	1281	19:30	67	0.955	A*BV	6630700. 3315350	100.000	NG	2.39
70	252	1281	19:30	67	0.955	A*BV	6630700. 3315350	100.000	NG	2.39
71	252	1333	20:17	67	0.993	A VV	3029850.	50.000	NG	1.19
72	276	1585	24:07	67	1.181	A BV	3503660.	50.000	NG	1.19
73	278	1590	24:12	67	1.185	A BV	2882170.	50.000	NG	1.19
	276	1659	25:15	67	1.236	A BV	2829570.	50.000	NG	1.19
	112	391	5:57	1	0.785	A BV	2700790.	50.000	NG	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	470	7:09	1	0.944	A BV	3404120.	50.000	NG	1.19
77	82	548	8:20	17	0.898	A VB	3434270.	50.000	NG	1.19
78	172	707	10:46	30	0.921	A VB	4458550.	50.000	NG	1.19
	141	839	12:46	30	1.092	A BV	342496.	50.000	NG	1.19
[illegible]	244	1040	15:50	59	0.913	A BV	3647960.	50.000	NG	1.19
81	212	1027	15:38	59	0.902	A BV	4651710.	50.000	NG	1.19

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:54	1.00	10.000	0.05	50.00	50.00	1.764	1.764	1.00
3	7:10	1.00	10.000	0.09	50.00	50.00	1.901	1.901	1.00
4	7:12	1.00	10.000	0.09	50.00	50.00	1.705	1.705	1.00
5	7:16	1.00	10.000	0.10	50.00	50.00	1.598	1.598	1.00
6	7:20	1.00	10.000	0.10	50.00	50.00	1.329	1.329	1.00
7	7:32	1.00	10.000	0.10	50.00	50.00	1.574	1.574	1.00
8	7:36	1.00	10.000	0.10	50.00	50.00	1.623	1.623	1.00
9	7:47	1.00	10.000	0.10	50.00	50.00	0.768	0.768	1.00
10	7:50	1.00	10.000	0.10	50.00	50.00	1.461	1.461	1.00
11	7:57	1.00	10.000	0.10	50.00	50.00	1.099	1.099	1.00
12	7:59	1.00	10.000	0.11	50.00	50.00	2.878	2.878	1.00
13	8:08	1.00	10.000	0.11	50.00	50.00	1.225	1.225	1.00
14	8:10	1.00	10.000	0.11	50.00	50.00	1.340	1.340	1.00
15	8:16	1.00	10.000	0.11	50.00	50.00	0.735	0.735	1.00
16	8:22	1.00	10.000	0.11	50.00	50.00	1.810	1.810	1.00
17	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:40	1.00	10.000	0.09	50.00	50.00	0.981	0.981	1.00
19	8:48	1.00	10.000	0.09	50.00	50.00	0.194	0.194	1.00
20	8:50	1.00	10.000	0.10	50.00	50.00	0.358	0.358	1.00
21	8:58	1.00	50.000	0.02	50.00	50.00	0.165	0.165	1.00
	8:58	1.00	10.000	0.10	50.00	50.00	0.485	0.485	1.00
[illegible]	9:06	1.00	10.000	0.10	50.00	50.00	0.327	0.327	1.00
24	9:13	1.00	10.000	0.10	50.00	50.00	0.386	0.386	1.00
25	9:19	1.00	10.000	0.10	50.00	50.00	1.114	1.114	1.00
26	9:23	1.00	10.000	0.10	50.00	50.00	0.306	0.306	1.00
27	9:33	1.00	10.000	0.10	50.00	50.00	0.222	0.222	1.00
28	10:02	1.00	10.000	0.11	50.00	50.00	0.400	0.400	1.00
29	10:14	1.00	10.000	0.11	50.00	50.00	0.688	0.688	1.00
30	11:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:33	1.00	10.000	0.09	50.00	50.00	0.305	0.305	1.00
32	10:39	1.00	10.000	0.09	100.00	100.00	0.388	0.388	1.00
33	10:39	1.00	50.000	0.02	100.00	100.00	0.388	0.388	1.00
34	10:54	1.00	10.000	0.09	50.00	50.00	1.271	1.271	1.00
35	11:04	1.00	50.000	0.02	50.00	50.00	0.589	0.589	1.00
36	11:21	1.00	10.000	0.10	50.00	50.00	1.482	1.482	1.00
37	11:28	1.00	10.000	0.10	50.00	50.00	1.775	1.775	1.00
38	11:04	1.00	50.000	0.02	50.00	50.00	0.408	0.408	1.00
39	11:44	1.00	10.000	0.10	50.00	50.00	1.253	1.253	1.00
40	11:46	1.00	50.000	0.02	50.00	50.00	0.070	0.070	1.00
41	11:57	1.00	50.000	0.02	50.00	50.00	0.895	0.895	1.00
42	11:57	1.00	10.000	0.10	50.00	50.00	1.665	1.665	1.00
43	11:59	1.00	10.000	0.10	50.00	50.00	0.463	0.463	1.00
44	11:27	1.00	10.000	0.10	50.00	50.00	0.293	0.293	1.00
45	12:19	1.00	10.000	0.11	50.00	50.00	1.631	1.631	1.00
46	12:24	1.00	10.000	0.11	50.00	50.00	0.598	0.598	1.00
	12:25	1.00	10.000	0.11	50.00	50.00	1.313	1.313	1.00
	12:29	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
49	13:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:31	1.00	50.000	0.02	50.00	50.00	0.084	0.084	1.00
51	12:34	1.00	10.000	0.09	50.00	50.00	0.476	0.476	1.00
	13:03	1.00	10.000	0.10	50.00	50.00	0.212	0.212	1.00
53	13:16	1.00	10.000	0.10	50.00	50.00	0.297	0.297	1.00
54	13:30	1.00	50.000	0.02	50.00	50.00	0.066	0.066	1.00
55	13:44	1.00	10.000	0.10	50.00	50.00	1.069	1.069	1.00
56	13:47	1.00	10.000	0.10	50.00	50.00	0.999	0.999	1.00
57	14:29	1.00	10.000	0.11	50.00	50.00	1.483	1.483	1.00
58	15:20	1.00	10.000	0.11	50.00	50.00	1.042	1.042	1.00
59	17:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:29	1.00	50.000	0.02	50.00	50.00	0.006	0.006	1.00
61	15:40	1.00	10.000	0.09	50.00	50.00	1.619	1.619	1.00
62	16:31	1.00	10.000	0.10	50.00	50.00	0.830	0.830	1.00
63	17:14	1.00	20.000	0.05	50.00	50.00	0.182	0.182	1.00
64	17:19	1.00	10.000	0.10	50.00	50.00	1.183	1.183	1.00
65	17:20	1.00	10.000	0.10	50.00	50.00	1.367	1.367	1.00
66	17:23	1.00	10.000	0.10	50.00	50.00	1.084	1.084	1.00
67	20:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:26	1.00	10.000	0.09	50.00	50.00	2.193	2.193	1.00
69	19:30	1.00	10.000	0.10	100.00	100.00	1.126	1.126	1.00
70	19:30	1.00	10.000	0.10	100.00	100.00	1.126	1.126	1.00
71	20:17	1.00	10.000	0.10	50.00	50.00	1.029	1.029	1.00
72	24:07	1.00	10.000	0.12	50.00	50.00	1.190	1.190	1.00
73	24:12	1.00	10.000	0.12	50.00	50.00	0.979	0.979	1.00
74	25:15	1.00	10.000	0.12	50.00	50.00	0.961	0.961	1.00
75	5:57	1.00	0.742	1.06	50.00	50.00	1.382	1.382	1.00
76	7:09	1.00	0.948	1.00	50.00	50.00	1.742	1.742	1.00
77	8:20	1.00	0.875	1.03	50.00	50.00	0.560	0.560	1.00
	10:46	1.00	0.906	1.02	50.00	50.00	1.442	1.442	1.00
79	12:46	1.00	1.118	0.98	50.00	50.00	0.111	0.111	1.00
80	15:50	1.00	0.907	1.01	50.00	50.00	1.098	1.098	1.00
81	15:38	1.00	0.906	0.99	50.00	50.00	1.400	1.400	1.00

QUANTITATION REPORT FILE: SURRCHKA07

DATA: SURRCHKA07.TI
05/25/85 7:59:00
SAMPLE: 1UL CC#14624 (#392) ON#07
C S.:
SUBMITTED BY: 07 ANALYST: 644

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	*** D8-NAPHTHALENE (IS#2)
3	*** D10-ACENAPHTHENE (IS#3)
4	*** 2-FLUOROPHENOL (SS#1)
5	*** D5-PHENOL (SS#2)
6	*** 2,4,6-TRIBROMOPHENOL (SS#5)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
1	152	498	7:35	1	1.000	A BB	1508250.	40.000	NG	16.36
2	136	609	9:16	2	1.000	A BV	4847350.	40.000	NG	16.36
3	164	767	11:40	3	1.000	A BB	2641400.	40.000	NG	16.36
4	112	391	5:57	1	0.765	A BV	2310870.	44.353	NG	18.14
5	99	470	7:09	1	0.944	A BV	2832380.	43.130	NG	17.64
6	141	838	12:45	3	1.093	A BV	270432.	36.973	NG	15.12

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
3	11:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
4	5:57	1.00	0.742	1.06	44.35	50.00	1.226	1.382	0.89
5	7:09	1.00	0.948	1.00	43.13	50.00	1.502	1.742	0.86
6	12:46	1.00	1.118	0.98	36.97	50.00	0.082	0.111	0.74

Copy

Mead CompuChem
GC/MS Analysis Log

Initial Time of Tune 6:18
Time Tune Expires 18:18

Shift(s) (A) (B) (C)
Date 5/25/85
Analysis Type SEMI

Run Log — Press Hard, Multiple Copies

	File Name	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Etc.)
1	DH85052SC07	5/25/85	6:18	DFTPP		1ul	755		78	4C58(7050)
2	H685052SC07	1/4	6:52	Std		4	4		4	14661(2353)
3	SURRGHK A07	1/1/	7:59	std-check		1.0ml	644		"	#392
4	GH051625A07	1/1/	8:42	Blank		1.0ml	644		"	51625
5	GR049805A07	1/1/	9:28	SS		1.0 ml	644		"	49805R
6	GR049811A07	1/1/	10:13	BLSS0705F		1.0ml	644		"	49811R
7	GR049812A07	1/1/	11:17			1.0ml	644		"	49812R
8	GR050168A07	1/1/	:			1.0	644		75	50168R New Disc.
9	changed disc	1/1/	:							
10	GRJ050168A07	1/1/	13:51			1.0ml	644		67	50168RJ New Disc.
11	GR049806A07	1/1/	:			1.0ml	644		67	
12	GR050173A07	5/25/85	15:40	BB246	4236	1ul	683		67	
13	GR050180A07	5/25/85	16:38	BB249	4236	1ul	683		67	
14	GJH050639A07	1/1/	17:23	BL#1	4351-1	11	675		11	
15	GJH050451A07	1/1/	17:59	BD005	11	11	11		11	Reinject; still unknown
16		/ /	:							
17		/ /	:							
18		/ /	:							
19		/ /	:							
20		/ /	:							
21		/ /	:							
22		/ /	:							
23		/ /	:							
24		/ /	:							
25		/ /	:							
26		/ /	:							

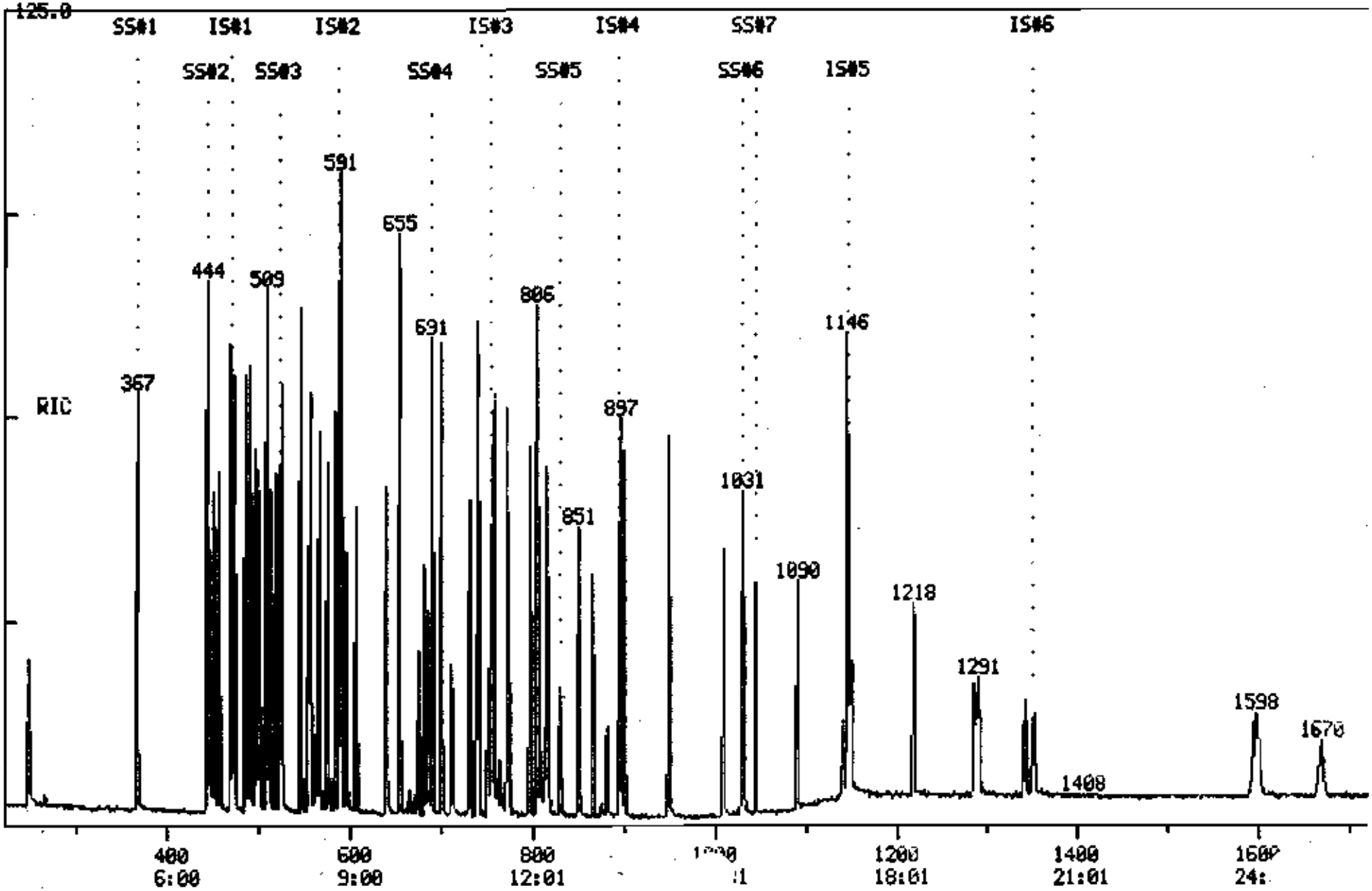
RM 5/25/85

5/28/85

COMPUCHEM LABS

RIC
05/17/05 19:26:00
SAMPLE: 1 UL STD LOT #14619(2353-50)
CONDS.:

COMPUCHEM DATA: HI05051716 SCANS 221 TO 1721
OUT OF 221 TO 1750



COMPUCHEM LABS

RIC
05/17/85 19:26:00
SAMPLE: 1 UL STD LOT #14619(2353-50)
CONDS.:

COMPUCHEM DATA: HI850517B16 SCANS 1721 TO 1750
OUT OF 221 TO 1750

5580790.

SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 5/17/85 19:54:59
DATA FILE: HI850517B16
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
4	4	1	0	33	40	96	84	SEMI1S1/SEMI1U1
4	4	2	67	29	27	64	42	SEMI1S2/SEMI1U2

81 COMPOUNDS PROCESSED, 66 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	BAT FIT	BAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	G1	1	-473	473	473	.	1	944	.	132	473	.	1
2	G2	1	-589	589	589	.	1	989	.	136	589	.	1
3	G3	1	-756	756	756	.	1	974	.	164	755	-1	1
4	G7	2	-367	367	367	.	1	908	.	112	367	.	1
5	G1	2	-250	250	.	.	.	.	.	42	249	.	1
6	G1	3	-445	445	.	.	.	.	.	94	444	.	2
7	G1	4	-448	448	.	.	.	.	.	93	448	.	1
8	G1	5	-453	453	452	-1	1	988	.	93	452	.	1
9	G1	6	-457	457	.	.	.	.	.	128	457	.	1
10	G1	7	-470	470	470	.	2	936	.	146	470	.	1
11	G1	8	-475	475	475	.	2	937	.	146	475	.	1
12	G1	9	-486	486	486	.	1	933	.	108	486	.	1
13	G1	10	-491	491	491	.	1	937	.	146	491	.	1
14	G1	11	-497	497	497	.	3	991	.	108	497	.	1
15	G1	12	-501	501	500	-1	1	912	.	45	500	.	1
6	G1	13	-509	509	509	.	1	905	.	108	509	.	1
17	G1	14	-513	513	.	.	.	.	.	70	512	.	2
18	G1	15	-519	519	519	.	1	947	.	117	519	.	1
19	G1	16	-526	526	526	.	1	913	.	77	526	.	1
20	G2	2	-547	547	.	.	.	.	.	82	547	.	1
21	G2	3	-555	555	.	.	.	.	.	139	555	.	1
22	G2	4	-557	557	557	.	1	914	.	122	557	.	1
23	G2	5	-566	566	564	-2	1	943	.	122	564	.	1
24	G2	6	-567	567	567	.	1	992	.	93	567	.	1
25	G2	7	-576	576	576	.	1	932	.	162	576	.	1
26	G2	8	-585	585	585	.	1	959	.	180	585	.	1
27	G2	9	-591	591	591	.	1	973	.	128	591	.	1
28	G2	10	-597	597	.	.	.	.	.	127	596	.	1
29	G2	11	-607	607	607	.	1	944	.	225	607	.	1
30	G2	12	-640	640	640	.	1	912	.	107	640	.	1
31	G2	13	-655	655	655	.	2	966	.	142	655	.	1
32	G3	2	-677	677	676	-1	1	930	.	237	676	.	1
33	G3	3	-687	687	687	.	2	947	.	196	686	-1	1
34	G3	4	-687	687	687	.	2	957	.	196	686	-1	1
35	G3	5	-701	701	701	.	1	991	.	162	701	.	1
36	G3	6	-713	713	.	.	.	.	.	65	712	.	1
37	G3	7	-732	732	732	.	1	984	.	163	732	.	1
38	G3	8	-741	741	741	.	1	992	.	152	741	.	1
39	G3	9	-752	752	.	.	.	.	.	138	751	.	1
40	G3	10	-759	759	759	.	1	963	.	153	758	-1	1
41	G3	11	-761	761	765	4	1	791	.	184	765	.	1
42	G3	12	-765	765	.	.	.	.	.	139	764	.	1
43	G3	13	-774	774	773	-1	1	984	.	168	773	.	1
44	G3	14	-776	776	775	-1	1	914	.	89	775	.	1
45	G3	15	-739	739	739	.	1	932	.	165	738	-1	1
46	G3	16	-799	799	.	.	.	.	.	149	798	.	1
47	G3	17	-805	805	805	.	1	912	.	204	805	.	1

50	G7	3	-444	444	444	.	1	876	.	99	443	-1
51	G7	4	-525	525	524	-1	1	953	.	82	524	.
52	G7	5	-691	691	691	.	1	966	.	172	691	.
53	G7	6	-831	831	830	-1	1	920	.	141	830	.
54	G4	1	-895	894	895	1	1	956	.	188	894	-1
55	G5	1	-1148	1148	1147	-1	1	919	.	240	1147	.
56	G6	1	-1352	1352	1352	.	2	998	.	264	1352	.
57	G4	2	-814	814	.	.	.	.	.	198	813	.
58	G4	3	-817	817	816	-1	1	910	.	169	816	.
59	G4	4	-851	851	851	.	1	935	.	248	851	.
60	G4	5	-866	866	866	.	1	940	.	284	866	.
61	G4	6	-882	882	882	.	1	938	.	266	881	-1
62	G4	7	-897	897	897	.	2	990	.	178	897	.
63	G4	8	-901	901	901	.	2	987	.	178	901	.
64	G4	9	-950	950	950	.	1	953	.	149	950	.
65	G4	10	-1010	1010	1010	.	1	974	.	202	1010	.
66	G5	2	-1021	1021	.	.	.	.	.	184	1021	.
67	G5	3	-1032	1032	1031	-1	1	982	.	202	1031	.
68	G5	4	-1091	1091	1090	-1	1	930	.	149	1090	.
69	G5	5	-1141	1141	1141	.	1	977	.	232	1140	-1
70	G5	6	-1146	1146	1145	-1	2	945	.	228	1145	.
71	G5	7	-1146	1146	1146	.	1	962	.	149	1146	.
72	G5	8	-1150	1150	1150	.	2	953	.	228	1150	.
73	G6	2	-1218	1218	1218	.	1	958	.	149	1218	.
74	G6	3	-1287	1287	1287	.	2	955	.	252	1290	3
75	G6	4	-1287	1287	1287	.	2	949	.	252	1290	3
76	G6	5	-1343	1343	1343	.	1	951	.	252	1342	-1
77	G6	6	-1596	1596	1596	.	1	942	.	276	1596	.
78	G6	7	-1599	1599	1599	.	1	927	.	278	1599	.
79	G6	8	-1670	1670	1670	.	1	965	.	276	1670	.
80	G7	7	-1044	1044	1044	.	1	971	.	244	1044	.
81	G8	2	-1030	1030	1030	.	1	971	.	212	1030	.

QUANTITATION REPORT FILE: HI850517B16

DATA: HI850517B16.TI
05/17/85 19:26:00
SAMPLE: 1 UL STD LOT #14619(2353-50)
CONDS.:
SUBMITTED BY: 16 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLORLBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	610 PHENOL (G1#3) <108-95-2>
4	473 ANILINE (G1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
6	601 2-CHLOROPHENOL (G1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
9	474 BENZYL ALCOHOL (G1#9) <100-51-6>
10	420 1,2-OICHLOROBENZENE (G1#10) <95-50-1>
11	620 2-METHYLPHENOL (G1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
13	622 4-METHYLPHENOL (G1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
15	436 HEXACHLOROETHANE (G1#15) <67-72-1>
16	440 NITROBENZENE (G1#16) <98-95-3>
17	*460 D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (G2#2) <78-59-1>
19	606 2-NITROPHENOL (G2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
21	625 BENZOIC ACID (G2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
25	439 NAPHTHALENE (G2#9) <91-20-3>
26	475 4-CHLOROANILINE (G2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
30	*495 D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
35	478 2-NITROANILINE (G3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
37	402 ACENAPHTHYLENE (G3#8) <208-96-8>
38	479 3-NITROANILINE (G3#9) <99-09-2>
39	401 ACENAPHTHENE (G3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (G3#11) <51-28-5>
41	607 4-NITROPHENOL (G3#12) <100-02-7>
42	476 DIBENZOFURAN (G3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
9	#467 D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	#459 D12-CHRYSENE (IS#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	#497 D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
5	#619 2-FLUOROPHENOL (SS#1)
76	#612 D5-PHENOL (SS#2)
77	#447 D5-NITROBENEZENE (SS#3)
78	#448 2-FLUOROBIPHENYL (SS#4)
79	#628 2,4,6-TRIBROMOPHENOL (SS#5)
80	#496 D14-TERPHENYL (SS#7)
81	#471 D10-PYRENE (SS#6)

dc. 5/17/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	152	473	7:06	1	1.000	A BV	495328.	40.000 NG	0.95
2	42	249	3:44	1	0.526	A VV	838352.	50.000 NG	1.19
3	94	444	6:40	1	0.939	A*BV	1515000.	50.000 NG	1.19
4	93	448	6:43	1	0.947	A VV	1278390.	50.000 NG	1.19
5	93	452	6:47	1	0.956	A VV	1352150.	50.000 NG	1.19
6	128	457	6:52	1	0.966	A BV	955232.	50.000 NG	1.19
7	146	470	7:03	1	0.994	A BV	948288.	50.000 NG	1.19
8	146	475	7:08	1	1.004	A VB	1082110.	50.000 NG	1.19
9	108	486	7:18	1	1.027	A BV	649824.	50.000 NG	1.19
10	146	491	7:22	1	1.038	A BV	988544.	50.000 NG	1.19
11	108	497	7:28	1	1.051	A VV	928256.	50.000 NG	1.19
12	45	500	7:30	1	1.057	A BV	2339640.	50.000 NG	1.19
13	108	509	7:38	1	1.076	A VV	1078970.	50.000 NG	1.19
14	70	512	7:41	1	1.082	A*VV	951648.	50.000 NG	1.19
15	117	519	7:47	1	1.097	A BB	514080.	50.000 NG	1.19
16	77	526	7:54	1	1.112	A VV	1256760.	50.000 NG	1.19
17	136	589	8:50	17	1.000	A VV	1898650.	40.000 NG	0.95
18	82	547	8:13	17	0.929	A BV	2409340.	50.000 NG	1.19
19	139	555	8:20	17	0.942	A BV	450208.	50.000 NG	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	557	8:22	17	0.946	A BV	799232.	50.000	NG	1.19
21	122	564	8:28	17	0.958	A VV	244288.	50.000	NG	1.19
22	93	567	8:31	17	0.963	A VV	1258940.	50.000	NG	1.19
3	162	576	8:39	17	0.978	A BV	547744.	50.000	NG	1.19
24	180	585	8:47	17	0.993	A BB	600960.	50.000	NG	1.19
25	128	591	8:52	17	1.003	A BV	2746870.	50.000	NG	1.19
26	127	596	8:57	17	1.012	A VV	978080.	50.000	NG	1.19
27	225	607	9:07	17	1.031	A BB	299552.	50.000	NG	1.19
28	107	640	9:36	17	1.087	A BV	802240.	50.000	NG	1.19
29	142	655	9:50	17	1.112	A VV	1439670.	50.000	NG	1.19
30	164	755	11:20	30	1.000	A BB	728608.	40.000	NG	0.95
31	237	676	10:09	30	0.895	A BB	267136.	50.000	NG	1.19
32	196	683	10:15	30	0.905	A BB	5808642904321	00.000	NG	2.39
33	196	683	10:15	30	0.905	A BB	5808642904321	00.000	NG	2.39
34	162	701	10:31	30	0.928	A BV	1185560.	50.000	NG	1.19
35	65	712	10:41	30	0.943	A BV	437856.	50.000	NG	1.19
36	163	732	10:59	30	0.970	A BB	1223030.	50.000	NG	1.19
37	152	741	11:07	30	0.981	A BV	1965980.	50.000	NG	1.19
38	138	751	11:16	30	0.995	A BV	292160.	50.000	NG	1.19
39	153	758	11:23	30	1.004	A BV	1273270.	50.000	NG	1.19
40	184	761	11:25	30	1.008	A BB	48768.	50.000	NG	1.19
41	139	764	11:28	30	1.012	A BV	177408.	50.000	NG	1.19
42	168	773	11:36	30	1.024	A BV	1486430.	50.000	NG	1.19
43	89	775	11:38	30	1.026	A BB	386464.	50.000	NG	1.19
44	165	738	11:05	30	0.977	A BB	235520.	50.000	NG	1.19
45	149	798	11:59	30	1.057	A BV	1491130.	50.000	NG	1.19
46	204	805	12:05	30	1.066	A BB	430080.	50.000	NG	1.19
47	166	806	12:06	30	1.068	A BV	1068120.	50.000	NG	1.19
48	138	809	12:09	30	1.072	A VV	216832.	50.000	NG	1.19
9	188	894	13:25	49	1.000	A BV	977696.	40.000	NG	0.95
50	198	813	12:12	49	0.909	A BV	91168.	50.000	NG	1.19
51	169	816	12:15	49	0.913	A BV	751616.	50.000	NG	1.19
52	248	851	12:46	49	0.952	A*BB	240896.	50.000	NG	1.19
53	284	866	13:00	49	0.969	A BB	313152.	50.000	NG	1.19
54	266	881	13:13	49	0.985	A BB	114976.	50.001	NG	1.19
55	178	897	13:28	49	1.003	A BV	1406490.	50.000	NG	1.19
56	178	901	13:31	49	1.008	A VV	1326230.	50.000	NG	1.19
57	149	950	14:16	49	1.063	A VV	2220730.	50.000	NG	1.19
58	202	1010	15:10	49	1.130	A BV	1088090.	50.000	NG	1.19
59	240	1147	17:13	59	1.000	A BB	482784.	40.000	NG	0.95
60	184	1021	15:20	59	0.890	A BV	24192.	50.000	NG	1.19
61	202	1031	15:29	59	0.899	A VV	1139390.	50.000	NG	1.19
62	149	1090	16:22	59	0.950	A VV	704034.	50.000	NG	1.19
63	252	1140	17:07	59	0.994	A BV	172192.	50.000	NG	1.19
64	228	1145	17:11	59	0.998	A BV	730176.	50.000	NG	1.19
65	149	1146	17:12	59	0.999	A VV	1091970.	50.000	NG	1.19
66	228	1150	17:16	59	1.003	A VV	746912.	50.000	NG	1.19
67	264	1352	20:18	67	1.000	A BV	467168.	40.000	NG	0.95
68	149	1218	18:17	67	0.901	A VV	1807240.	50.000	NG	1.19
69	252	1290	19:22	67	0.954	A*BV	13169206SW64	00.000	NG	2.39
70	252	1290	19:22	67	0.954	A*BV	13169206SW60	100.000	NG	2.39
71	252	1342	20:09	67	0.993	A VB	572672.	50.000	NG	1.19
72	276	1596	23:57	67	1.180	A BV	718080.	50.000	NG	1.19
73	278	1599	24:00	67	1.183	A VV	574240.	50.000	NG	1.19
74	276	1670	25:04	67	1.235	A BV	606880.	50.000	NG	1.19
75	112	367	5:31	1	0.776	A VV	985456.	50.001	NG	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	443	6:39	1	0.937	A BV	1342520.	50.001	NG	1.19
77	82	524	7:52	17	0.890	A BV	1240250.	50.001	NG	1.19
78	172	691	10:22	30	0.915	A BV	1265310.	50.001	NG	1.19
79	141	830	12:28	30	1.099	A BB	89536.	50.001	NG	1.19
80	244	1044	15:40	59	0.910	A BV	660480.	50.001	NG	1.19
81	212	1030	15:28	59	0.898	A BV	950528.	50.000	NG	1.19

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:44	1.00	10.000	0.05	50.00	50.00	1.354	1.354	1.00
3	6:40	1.00	10.000	0.09	50.00	50.00	2.447	2.447	1.00
4	6:43	1.00	10.000	0.09	50.00	50.00	2.065	2.065	1.00
5	6:47	1.00	10.000	0.10	50.00	50.00	2.184	2.184	1.00
6	6:52	1.00	10.000	0.10	50.00	50.00	1.343	1.343	1.00
7	7:03	1.00	10.000	0.10	50.00	50.00	1.332	1.332	1.00
8	7:08	1.00	10.000	0.10	50.00	50.00	1.748	1.748	1.00
9	7:18	1.00	10.000	0.10	50.00	50.00	1.050	1.050	1.00
10	7:22	1.00	10.000	0.10	50.00	50.00	1.597	1.597	1.00
11	7:28	1.00	10.000	0.11	50.00	50.00	1.499	1.499	1.00
12	7:30	1.00	10.000	0.11	50.00	50.00	3.779	3.779	1.00
13	7:38	1.00	10.000	0.11	50.00	50.00	1.743	1.743	1.00
14	7:41	1.00	10.000	0.11	50.00	50.00	1.537	1.537	1.00
15	7:47	1.00	10.000	0.11	50.00	50.00	0.830	0.830	1.00
16	7:54	1.00	10.000	0.11	50.00	50.00	2.030	2.030	1.00
17	8:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:13	1.00	10.000	0.09	50.00	50.00	1.015	1.015	1.00
19	8:20	1.00	10.000	0.09	50.00	50.00	0.190	0.190	1.00
20	8:22	1.00	10.000	0.09	50.00	50.00	0.337	0.337	1.00
21	8:28	1.00	50.000	0.02	50.00	50.00	0.103	0.103	1.00
22	8:31	1.00	10.000	0.10	50.00	50.00	0.530	0.530	1.00
23	8:39	1.00	10.000	0.10	50.00	50.00	0.231	0.231	1.00
24	8:47	1.00	10.000	0.10	50.00	50.00	0.253	0.253	1.00
25	8:52	1.00	10.000	0.10	50.00	50.00	1.157	1.157	1.00
26	8:57	1.00	10.000	0.10	50.00	50.00	0.412	0.412	1.00
27	9:07	1.00	10.000	0.10	50.00	50.00	0.126	0.126	1.00
28	9:36	1.00	10.000	0.11	50.00	50.00	0.338	0.338	1.00
29	9:50	1.00	10.000	0.11	50.00	50.00	0.607	0.607	1.00
30	11:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:09	1.00	10.000	0.09	50.00	50.00	0.293	0.293	1.00
32	10:15	1.00	10.000	0.09	100.00	100.00	0.319	0.319	1.00
33	10:15	1.00	100.000	0.01	100.00	100.00	0.319	0.319	1.00
34	10:31	1.00	10.000	0.09	50.00	50.00	1.302	1.302	1.00
35	10:41	1.00	50.000	0.02	50.00	50.00	0.481	0.481	1.00
36	10:59	1.00	10.000	0.10	50.00	50.00	1.343	1.343	1.00
37	11:07	1.00	10.000	0.10	50.00	50.00	2.159	2.159	1.00
38	11:16	1.00	50.000	0.02	50.00	50.00	0.321	0.321	1.00
39	11:23	1.00	10.000	0.10	50.00	50.00	1.398	1.398	1.00
40	11:25	1.00	50.000	0.02	50.00	50.00	0.054	0.054	1.00
41	11:28	1.00	50.000	0.02	50.00	50.00	0.195	0.195	1.00
42	11:36	1.00	10.000	0.10	50.00	50.00	1.632	1.632	1.00
43	11:38	1.00	10.000	0.10	50.00	50.00	0.424	0.424	1.00
44	11:05	1.00	10.000	0.10	50.00	50.00	0.259	0.259	1.00
45	11:59	1.00	10.000	0.11	50.00	50.00	1.637	1.637	1.00
46	12:05	1.00	10.000	0.11	50.00	50.00	0.472	0.472	1.00
47	12:06	1.00	10.000	0.11	50.00	50.00	1.173	1.173	1.00
48	12:09	1.00	50.000	0.02	50.00	50.00	0.238	0.238	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
49	13:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:12	1.00	50.000	0.02	50.00	50.00	0.075	0.075	1.00
51	12:15	1.00	10.000	0.09	50.00	50.00	0.615	0.615	1.00
52	12:46	1.00	10.000	0.10	50.00	50.00	0.197	0.197	1.00
53	13:00	1.00	10.000	0.10	50.00	50.00	0.256	0.256	1.00
54	13:13	1.00	50.000	0.02	50.00	50.00	0.094	0.094	1.00
55	13:28	1.00	10.000	0.10	50.00	50.00	1.151	1.151	1.00
56	13:31	1.00	10.000	0.10	50.00	50.00	1.085	1.085	1.00
57	14:16	1.00	10.000	0.11	50.00	50.00	1.817	1.817	1.00
58	15:10	1.00	10.000	0.11	50.00	50.00	0.890	0.890	1.00
59	17:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:20	1.00	50.000	0.02	50.00	50.00	0.040	0.040	1.00
61	15:29	1.00	10.000	0.09	50.00	50.00	1.888	1.888	1.00
62	16:22	1.00	10.000	0.10	50.00	50.00	1.167	1.167	1.00
63	17:07	1.00	20.000	0.05	50.00	50.00	0.285	0.285	1.00
64	17:11	1.00	10.000	0.10	50.00	50.00	1.210	1.210	1.00
65	17:12	1.00	10.000	0.10	50.00	50.00	1.809	1.809	1.00
66	17:16	1.00	10.000	0.10	50.00	50.00	1.238	1.238	1.00
67	20:18	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:17	1.00	10.000	0.09	50.00	50.00	3.095	3.095	1.00
69	19:22	1.00	10.000	0.10	100.00	100.00	1.128	1.128	1.00
70	19:22	1.00	10.000	0.10	100.00	100.00	1.128	1.128	1.00
71	20:09	1.00	10.000	0.10	50.00	50.00	0.981	0.981	1.00
72	23:37	1.00	10.000	0.12	50.00	50.00	1.230	1.230	1.00
73	24:00	1.00	10.000	0.12	50.00	50.00	0.983	0.983	1.00
74	25:04	1.00	10.000	0.12	50.00	50.00	1.039	1.039	1.00
75	5:31	1.00	0.742	1.05	50.00	50.00	1.592	1.592	1.00
76	6:39	1.00	0.948	0.99	50.00	50.00	2.168	2.168	1.00
77	7:52	1.00	0.875	1.02	50.00	50.00	0.523	0.523	1.00
78	10:22	1.00	0.906	1.01	50.00	50.00	1.389	1.389	1.00
79	12:28	1.00	1.118	0.98	50.00	50.00	0.098	0.098	1.00
80	15:40	1.00	0.907	1.00	50.00	50.00	1.094	1.094	1.00
81	15:28	1.00	0.906	0.99	50.00	50.00	1.575	1.575	1.00

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Copy 2

Initial Time of Tune 1911
Time Tune Expires 0711
Shift(s) (A) (B) ✓ (C)
Date 5/17/85
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	✓	OH850517B16		5/17/85	:	DFTPP		1µ	803		2917	7050 retune
2		DF850517B16		5/17/85	19:11	DFTPP		1µ	803		2917	7050
3		HI850517B16		5/17/85	19:26	std		1µ	803		2917	2357-5
4		SC850517B16		5/17/85	20:37	✓		1µ	803		2917	342
5		GJ049484B16		5/17/85	21:03	BB390	4229	1µ	803		2917	
6		GH049999B16		5/17/85	21:45	B#1	Gatet	1µ	803		2917	
7				/ /	:							
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5/20/85

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	14679	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	42607	28
D4-1,2-Dichloroethane	------	-------	--
Bromofluorobenzene	------	-------	--
D8-Toluene	------	-------	--

COMPOUND NAME	HJ341108A07	HG841109A07	HG841109A07	AVERAGE	SD	DET. LIMIT
N-NITROSODIMETHYLAMINE	48.17	56.96	61.22	55.45	6.65	19.96
PHENOL	57.05	63.22	67.03	62.43	5.04	15.11
ANILINE	160.25	29.07	199.26	129.53	89.16	267.47
BIS (2-CHLOROETHYL) ETHER	54.16	62.50	64.62	60.43	5.53	16.59
2-CHLOROPHENOL	50.61	53.49	53.81	52.64	1.76	5.29
1,3-DICHLOROBENZENE	52.27	52.12	50.44	51.61	1.02	3.05
1,4-DICHLOROBENZENE	47.99	47.89	49.19	48.36	.72	2.17
BENZYL ALCOHOL	56.67	61.49	66.09	61.42	4.71	14.13
1,2-DICHLOROBENZENE	50.81	50.09	49.83	50.24	.51	1.52
2-METHYL PHENOL	55.01	59.12	62.16	58.76	3.59	10.76
BIS (2-CHLOROISOPROPYL) ETHER	57.35	68.43	82.33	69.37	12.52	37.55
4-METHYL PHENOL	57.47	61.03	64.78	61.09	3.66	10.97
N-NITROSO-DI-N-PROPYLAMINE	60.88	70.62	78.11	69.87	8.64	25.92
HEXACHLOROETHANE	50.74	54.79	58.26	54.60	3.76	11.29
NITROBENZENE	58.22	66.53	76.43	67.06	9.12	27.35
ISOPHORONE	55.91	61.23	68.33	61.82	6.23	18.69
2-NITROPHENOL	56.10	55.20	54.34	55.21	.88	2.64
2,4-DIMETHYLPHENOL	49.05	49.10	50.38	49.51	.75	2.26
BENZOIC ACID	59.06	65.41	56.17	60.21	4.73	14.18
BIS (2-CHLOROETHOXY)METHANE	56.65	61.61	66.32	61.53	4.84	14.51
2,4-DICHLOROPHENOL	49.45	43.97	44.34	45.92	3.06	9.19
1,2,4-TRICHLOROBENZENE	48.88	45.11	41.13	45.04	3.88	11.63
NAPTHALENE	48.65	49.08	51.57	49.77	1.58	4.73
4-CHLORO-ANILINE	147.80	366.94	295.16	269.97	111.72	335.16
HEXACHLOROBUTADIENE	48.02	45.04	41.21	44.76	3.41	10.24
P-CHLORO-M-CRESOL	54.10	58.37	66.57	59.68	6.34	19.01
2-METHYLNAPTHALENE	47.89	48.45	49.74	48.69	.95	2.85
HEXACHLOROCYCLOPENTADIENE	50.81	48.44	45.21	48.15	2.81	8.43
2,4,6-TRICHLOROPHENOL	46.76	89.77	87.31	74.61	24.15	72.46
2,4,5-TRICHLOROPHENOL	51.22	49.32	75.61	58.72	14.66	43.98
2-CHLORONAPTHALENE	49.41	51.48	50.02	50.30	1.06	3.19
2-NITROANILINE	58.06	77.80	94.21	76.69	18.10	54.30
DIMETHYL PHTHALATE	49.40	50.53	52.38	50.77	1.50	4.51
ACENAPTHYLENE	48.20	48.60	50.98	49.26	1.50	4.51
3-NITROANILINE	59.97	100.34	T09.27	89.86	26.27	78.80
ACENAPTHENE	49.26	49.81	52.45	50.51	1.71	5.12
2,4-DINITROPHENOL	58.03	73.55	55.02	62.20	9.94	29.83
4-NITROPHENOL	55.17	58.34	59.21	57.57	2.13	6.38
DIBENZOFURAN	49.86	48.17	50.09	49.37	1.05	3.15
2,4-DINITROTOLUENE	53.73	70.50	81.28	68.50	13.88	41.65
2,6-DINITROTOLUENE	51.99	54.01	55.81	53.94	1.91	5.73
DIETHYL PHTHLATE	50.41	53.95	56.95	53.77	3.27	9.82
4-CHLOROPHENYL-PHENYL ETHER	47.25	45.80	44.13	45.73	1.56	4.68
FLUORENE	48.32	48.44	47.21	47.99	.68	2.03
4-NITROANILINE	48.98	50.50	64.43	54.64	8.52	25.55
4,6-DINITRO-2-METHYLPHENOL	55.00	74.41	55.86	61.76	10.97	32.90
N-NITROSODIPHENYLAMINE	45.87	57.67	53.89	52.48	6.03	18.08
4-BROMOPHENLY PHENYL ETHER	48.81	47.92	45.04	47.26	1.97	5.91
HEXACHLOROBENZENE	48.02	48.65	45.42	47.36	1.71	5.14
PENTACHLOROPHENOL	44.01	59.36	44.90	49.42	8.62	25.85

(cont'd)

PHENANTHRENE	49.10	47.27	48.55	48.31	.94	2.82
ANTHRACENE	48.55	49.12	49.36	49.01	.42	1.25
DI-N-BUTYL PHTHALATE	50.07	65.50	62.49	59.35	8.18	24.54
FLUORANTHENE	45.76	44.84	48.03	46.21	1.64	4.93
BENZIDINE	52.78	63.55	53.49	56.61	6.02	18.07
PYRENE	48.32	54.08	48.62	50.34	3.24	9.73
BUTYLBENZYL PHTHALATE	54.75	72.04	68.35	65.05	9.11	27.32
3,3 DICHLOROBENZIDINE	72.36	46.11	48.61	55.69	14.49	43.46
BENZO(A)ANTHRACENE	50.39	50.78	42.53	47.90	4.65	13.96
BIS-(2-ETHYLHEXYL) PHTHALATE	50.83	68.65	60.28	59.92	8.92	26.75
CHRYSENE	48.76	60.20	50.41	53.12	6.18	18.55
DI-N-OCTYL PHTHALATE	52.96	82.13	52.78	62.62	16.89	50.68
BENZO(B)FLUORANTHENE	48.83	53.17	52.15	51.38	2.27	6.81
BENZO(K)FLUORNTHENE	44.42	53.17	46.66	48.08	4.55	13.64
BENZO(A)PYRENE	50.36	49.26	48.90	49.51	.76	2.28

MINIMUM INSTUMENT OETECTION 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:

Oet level = ((3 * SO)/ 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. OET. LEVEL
STD 4360							
GAMMA BHC	.01	968	966	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
OIELORIN	.02	1894	1915	1855	1888	30.4	0.00097
ENDOSULFAN II	.04	2362	2241	2332	2312	63.0	0.00327
PP'OOT	.06	2518	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'DDE	.02	1615	1612	1566	1598	27.3	0.00103
ENORIN	.04	1304	1287	1256	1282	24.3	0.00228
PP'OOD	.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
ENORIN 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
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

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

Initial Calibration Data
Volatile HSL Compounds

Case No: _____
Contractor: CompuChem Laboratories
Contract No. _____

Instrument ID : GWA M11
Calibration Date : 05/01/85

Minimum Avg RF for SPCC is 0.300

Maximum %RSD for CCC is 30%

Laboratory ID	CW850501B11	CT850501B11	CD850501B11	CM850501B11	CX850501B11			
Compound	RF(20)	RF(50)	RF(100)	RF(150)	RF(200)	Avg RF	%RSD	CCC * SPCC **
VINYL CHLORIDE	2.933	2.172	1.930	2.012	1.896	2.149	21.925	* *
VINYL BROMIDE	3.713	2.709	2.357	2.529	2.351	2.731	20.794	
VINYL CHLORIDE	2.974	2.218	1.882	2.049	1.934	2.212	20.142	*
CHLOROETHANE	1.595	1.168	.999	1.069	.998	1.166	21.406	
METHYLENE CHLORIDE	2.760	2.171	1.756	1.677	1.623	1.997	23.918	
ACETONE (2-PROPANONE)	.854	.381	.302	.307	.302	0.369	29.450	
CARBON DISULFIDE	6.112	3.701	4.034	4.329	4.321	4.499	20.837	
1,1-DICHLOROETHYLENE	1.918	1.430	1.228	1.288	1.279	1.349	8.984	*
1,1-DICHLOROETHANE	2.848	2.646	2.163	2.112	2.198	2.393	13.874	* *
1,2-TRANS-DICHLOROETHYLENE	1.670	1.586	1.327	1.270	1.334	1.437	12.405	
CHLOROFORM	4.172	3.799	3.166	3.092	3.118	3.473	14.017	*
1,2-DICHLOROETHANE	2.963	2.738	2.240	2.154	2.132	2.445	15.551	
2-BUTANONE	.027	.020	.015	.016	.016	0.019	25.924	
1,1,1-TRICHLOROETHANE	.569	.542	.431	.412	.423	0.476	15.557	
CARBON TETRACHLORIDE	.608	.598	.480	.464	.478	0.526	13.523	
L ACETATE	.482	.452	.376	.410	.459	0.436	9.710	
BROMODICHLOROMETHANE	.655	.642	.570	.510	.522	0.570	12.637	
1,2-DICHLOROPROPANE	.342	.326	.269	.263	.279	0.296	12.119	*
TRANS-1,3-DICHLOROPROPYLENE	.227	.219	.192	.174	.193	0.201	10.813	
TRICHLOROETHYLENE	.592	.549	.454	.428	.426	0.490	15.513	
CHLORODIBROMOMETHANE	.660	.658	.561	.542	.543	0.593	10.249	
1,1,2-TRICHLOROETHANE	.388	.385	.329	.319	.321	0.348	10.058	
BENZENE	1.041	1.036	.859	.834	.850	0.924	11.349	
CIS-1,3-DICHLOROPROPYLENE	.819	.845	.712	.706	.737	0.764	8.375	
2-CHLOROETHYLVINYL ETHER	.152	.146	.136	.137	.139	0.142	4.805	
BROMOFORM	.436	.427	.389	.390	.400	0.409	5.326	* *
2-HEXANONE	.253	.215	.176	.189	.205	0.207	14.196	
4-METHYL-2-PENTANONE	.171	.139	.114	.127	.137	0.137	15.280	
TETRACHLOROETHYLENE	.658	.580	.501	.468	.464	0.534	15.626	
1,1,2,2-TETRACHLOROETHANE	.505	.469	.411	.412	.416	0.443	9.591	* *
TOLUENE	.877	.792	.656	.621	.622	0.713	16.136	*
CHLOROBENZENE	1.395	1.225	1.006	.947	.932	1.101	18.351	* *
ETHYLBENZENE	.734	.648	.523	.494	.487	0.577	18.901	*
STYRENE	1.805	1.516	1.188	1.196	1.187	1.378	20.102	
TOTAL XYLENES	1.233	1.034	.787	.796	.788	0.928	21.653	

RF_{x} - Response Factor (subscript is the amount of ug/L)
RT - Average Response Factor
%RSD - Percent Relative Standard Deviation

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

Initial Calibration Data
Volatile HSL Compounds

Case No: General Testing
Contractor: CompuChem Laboratories
Contract No. _____

Instrument ID : GCA #11
Calibration Date : 05/23/85

Minimum Avg RF for SPCC is 0.300

Maximum %RSD for CCC is 30%

Laboratory ID	CW850521B11	CT850521A11	CW850523A11	CZ850523B11	CW850523B11			
Compound	RF(20)	RF(50)	RF(100)	RF(150)	RF(200)	Avg RF	%RSD	CCC * SPCC **
METHYL CHLORIDE	1.235	1.220	1.724	.979	1.094	1.250	22.765	* *
METHYL BROMIDE	1.681	1.675	2.436	1.430	1.528	1.752	22.615	
VINYL CHLORIDE	1.285	1.255	1.772	1.053	1.189	1.311	20.796	*
CHLOROETHANE	.671	.642	.918	.593	.594	0.683	19.778	
METHYLENE CHLORIDE	1.657	1.489	2.030	1.297	1.327	1.560	19.200	
ACETONE (2-PROPANONE)	.388	.179	.279	.204	.193	0.249	34.997	
CARBON DISULFIDE	3.895	3.508	5.877	3.709	4.093	4.216	22.609	
1,1-DICHLOROETHYLENE	1.312	1.281	1.838	1.101	1.230	1.353	20.916	*
1,1-DICHLOROETHANE	2.352	2.281	3.310	1.925	2.221	2.418	21.705	* *
1,2-TRANS-DICHLOROETHYLENE	1.428	1.369	1.971	1.174	1.296	1.448	21.241	
CHLOROFORM	3.543	3.304	4.869	2.859	3.235	3.562	21.639	*
1,2-DICHLOROETHANE	2.223	2.041	3.008	1.765	1.981	2.204	21.722	
2-BUTANONE	.030	.019	.031	.020	.020	0.024	23.124	
1,1,1-TRICHLOROETHANE	.673	.602	.902	.589	.622	0.678	19.099	
CARBON TETRACHLORIDE	.669	.604	.929	.624	.654	0.696	19.058	
VINYL ACETATE	.430	.352	.640	.432	.446	0.460	23.350	
BROMODICHLOROMETHANE	.791	.742	1.142	.703	.760	0.827	21.608	
1,2-DICHLOROPROPANE	.352	.346	.501	.287	.333	0.364	22.215	*
TRANS-1,3-DICHLOROPROPYLENE	.238	.216	.356	.216	.240	0.253	23.112	
TRICHLOROETHYLENE	.487	.444	.640	.401	.428	0.480	19.786	
DIBROMOCHLOROMETHANE	.667	.637	1.029	.646	.686	0.733	22.712	
1,1,2-TRICHLOROETHANE	.393	.361	.530	.322	.344	0.390	21.224	
BENZENE	.982	.959	1.355	.903	.994	0.999	21.148	
CIS-1,3-DICHLOROPROPYLENE	.753	.689	1.092	.670	.740	0.789	21.896	
2-CHLOROETHYLVINYL ETHER	.180	.171	.261	.156	.170	0.187	22.331	
BROMOFORM	.405	.403	.685	.418	.439	0.470	25.722	* *
2-HEXANONE	.278	.200	.346	.229	.238	0.258	21.892	
4-METHYL-2-PENTANONE	.201	.126	.219	.147	.152	0.169	23.052	
TETRACHLOROETHYLENE	.552	.499	.704	.444	.476	0.535	19.143	
1,1,2,2-TETRACHLOROETHANE	.575	.503	.769	.458	.495	0.560	22.184	* *
TOLUENE	.825	.760	1.080	.662	.733	0.814	20.151	*
CHLOROBENZENE	1.159	1.021	1.485	.912	1.008	1.117	20.043	* *
ETHYLBENZENE	.555	.473	.676	.420	.467	0.518	19.418	*
STYRENE	1.205	.914	1.481	1.016	1.080	1.139	19.141	
TOTAL XYLENES	.711	.546	.868	.392	.633	0.670	18.852	

$\overline{RF}$ - 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
Volatile HSL Compounds

Case No: General Testing
Contractor: CompuChem Laboratories
tract No. _____

Instrument ID : GMA #12
Calibration Date : 05/09/85

Minimum Avg RF for SPCC is 0.300

Maximum %RSD for CCC is 30%

Laboratory ID	CU850509A12	CT850509A12	CU850509A12	CM850509A12	CX850509A12			
Compound	RF(20)	RF(50)	RF(100)	RF(150)	RF(200)	Avg RF	%RSD	CCC SPC
METHYL CHLORIDE	.841	.714	.809	.625	.705	0.739	11.763	* *
METHYL BROMIDE	1.409	1.126	1.273	1.192	1.221	1.244	8.591	
VINYL CHLORIDE	1.089	.890	1.024	.906	.972	0.976	8.480	*
CHLOROETHANE	.569	.489	.536	.477	.522	0.519	7.181	
METHYLENE CHLORIDE	1.046	.817	1.007	1.021	.890	0.956	10.276	
ACETONE (2-PROPANONE)	.331	.194	.206	.176	.140	0.209	34.603	
CARBON DISULFIDE	2.995	2.636	2.931	2.506	2.752	2.764	7.326	
1,1-DICHLOROETHYLENE	.841	.779	1.037	1.029	.889	0.914	12.395	*
1,1-DICHLOROETHANE	1.570	1.365	1.872	1.886	1.607	1.660	13.270	* *
1,2-TRANS-DICHLOROETHYLENE	.894	.805	1.069	1.055	.907	0.946	11.942	
CHLOROFORM	2.083	1.802	2.440	2.483	2.084	2.176	13.007	*
1,2-DICHLOROETHANE	1.378	1.208	1.640	1.649	1.321	1.439	13.718	
2-BUTANONE	.030	.023	.023	.021	.015	0.023	24.666	
1,1,1-TRICHLOROETHANE	.418	.384	.495	.497	.416	0.442	11.554	
CARBON TETRACHLORIDE	.445	.409	.524	.517	.429	0.465	11.339	
VINYL ACETATE	.450	.375	.395	.344	.307	0.374	14.383	
BROMODICHLOROMETHANE	.481	.434	.565	.580	.475	0.508	12.685	
1,2-DICHLOROPROPANE	.284	.250	.320	.324	.267	0.289	11.297	
TRANS-1,3-DICHLOROPROPYLENE	.189	.171	.226	.235	.190	0.202	13.396	
TRICHLOROETHYLENE	.426	.372	.451	.426	.340	0.405	10.578	
CHLORODIBROMOMETHANE	.455	.401	.491	.489	.364	0.444	11.138	
1,1,2-TRICHLOROETHANE	.287	.242	.282	.276	.207	0.259	13.051	
BENZENE	.614	.518	.633	.623	.512	0.580	10.283	
CIS-1,3-DICHLOROPROPYLENE	.559	.487	.609	.620	.479	0.551	12.034	
2-CHLOROETHYLVINYL ETHER	.154	.145	.195	.207	.146	0.169	17.257	
BROMOFORM	.365	.348	.499	.511	.355	0.416	19.719	* *
2-HEXANONE	.283	.243	.285	.272	.210	0.258	12.415	
4-METHYL-2-PENTANONE	.195	.159	.191	.176	.129	0.170	15.815	
TETRACHLOROETHYLENE	.496	.396	.529	.497	.414	0.456	12.165	
1,1,2,2-TETRACHLOROETHANE	.432	.379	.492	.488	.328	0.424	16.695	* *
TOLUENE	.502	.444	.587	.589	.487	0.522	12.219	*
CHLOROBENZENE	.800	.703	.919	.920	.761	0.821	11.767	* *
ETHYLBENZENE	.428	.380	.493	.491	.407	0.440	11.453	*
STYRENE	1.293	1.073	1.165	1.010	1.026	1.113	10.506	
TOTAL XYLENES	.749	.609	.666	.571	.588	0.637	11.405	

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 HSL Compounds
(Page 1)

Case No: General Testing
Contractor: CompuChem Laboratories
Contract No.

Instrument ID : OMA #22
Calibration Date : 04/09/85

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	MK850409C22	MG850409C22	MI850409C22	MJ850409C22	MN850409C22			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
N-NITROSODIMETHYLAMINE	.518	.727	.694	.715	.801	0.691	15.179	
PHENOL	1.484	1.806	1.712	1.683	1.748	1.686	7.250	*
ANILINE	1.442	1.420	1.338	1.326	1.352	1.376	3.781	
BIS (2-CHLOROETHYL) ETHER	1.442	1.420	1.338	1.326	1.352	1.376	3.781	
2-CHLOROPHENOL	1.135	1.310	1.335	1.292	1.341	1.283	6.628	
1,3-DICHLOROBENZENE	1.384	1.423	1.369	1.433	1.378	1.397	2.041	
1,4-DICHLOROBENZENE	1.356	1.331	1.331	1.318	1.401	1.347	2.457	*
BENZYL ALCOHOL	.555	.687	.730	.757	.814	0.709	13.767	
1,2-DICHLOROBENZENE	1.356	1.331	1.331	1.318	1.401	1.347	2.457	
O-CRESOL	.865	1.025	.958	1.003	1.039	0.978	7.203	
BIS (2-CHLOROISOPROPYL) ETHER	1.450	1.523	1.467	1.482	1.588	1.502	3.672	
P-CRESOL	.879	1.036	1.145	1.063	1.214	1.068	11.837	
N-NITROSODI-N-PROPYLAMINE	.886	1.043	1.009	1.065	1.104	1.017	7.985	* *
HEXACHLOROETHANE	.664	.751	.736	.743	.798	0.738	6.561	
NITROBENZENE	1.400	1.443	1.458	1.497	1.690	1.498	7.548	
ISOPHORONE	.814	.848	.823	.836	.780	0.820	3.141	
NITROPHENOL	.150	.187	.197	.216	.218	0.194	14.350	*
2,4-DIMETHYLPHENOL	.273	.300	.306	.310	.333	0.304	7.029	
BIS (2-CHLOROETHOXY) METHANE	.370	.396	.422	.425	.443	0.411	6.893	
BENZOIC ACID	.124	.155	.162	.193	.227	0.172	22.744	
2,4-DICHLOROPHENOL	.260	.291	.317	.321	.326	0.303	9.199	
1,2,4-TRICHLOROBENZENE	.370	.364	.363	.375	.368	0.368	1.375	
NAPHTHALENE	1.076	1.070	1.060	1.072	1.049	1.065	1.012	
4-CHLOROANILINE	.136	.136	.134	.136	.140	0.136	1.606	
HEXACHLOROBUTADIENE	.234	.228	.230	.240	.229	0.232	2.147	*
P-CHLORO-M-CRESOL	.280	.348	.367	.385	.408	0.358	13.579	*
2-METHYLNAPHTHALENE	.595	.635	.631	.619	.661	0.628	3.859	
HEXACHLOROCYCLOPENTADIENE	.107	.223	.251	.304	.309	0.239	34.414	* *
2,4,6-TRICHLOROPHENOL	.347	.395	.396	.397	.407	0.388	6.121	*
2,4,5-TRICHLOROPHENOL	.347	.395	.396	.397	.407	0.388	6.121	
2-CHLORONAPHTHALENE	1.200	1.198	1.178	1.159	1.168	1.180	1.529	
2-NITROANILINE	.317	.412	.430	.414	.505	0.416	16.142	
DIMETHYL PHTHALATE	1.334	1.413	1.330	1.256	1.426	1.352	5.123	
ACENAPHTHYLENE	1.699	1.776	1.705	1.717	1.783	1.736	2.334	
3-NITROANILINE	.103	.078	.100	.199	.274	0.151	55.166	
ACENAPHTHENE	1.187	1.177	1.131	1.145	1.140	1.156	2.118	*
2,4-DINITROPHENOL	$	.028	.040	.054	.088	0.053	48.808	* *
4-NITROPHENOL	.936	.914	1.046	.903	.909	0.941	6.327	* *
DIBENZOFURAN	1.584	1.649	1.569	1.524	1.564	1.582	2.853	

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 (**)
$ - not detectable at 20ng

Initial Calibration Data
Semivolatile HSL Compounds
(Page 2)

Case No: General Testing
Contractor: CompuChem Laboratories
Contract No. _____

Instrument ID : GMA 822
Calibration Date : 04/09/85

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID		MK850409C22	MG850409C22	MI850409C22	MJ850409C22	MN850409C22			
Compound		RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC * SPCC **
2,4-DINITROTOLUENE		.320	.424	.345	.421	.372	0.376	12.157	
2,6-DINITROTOLUENE		.207	.269	.275	.263	.296	0.262	12.733	
DIETHYL PHTHALATE		1.291	1.511	1.426	1.396	1.500	1.425	6.257	
4-CHLOROPHENYL PHENYL ETHER		.580	.604	.579	.554	.610	0.585	3.855	
FLUORENE		1.094	1.200	1.202	1.137	1.204	1.167	4.261	
4-NITROANILINE		.047	.094	.107	.119	.177	0.109	43.150	
4,6-DINITRO-O-CRESOL		.029	.062	.074	.089	.099	0.071	38.912	
N-NITROSODIPHENYLAMINE	(1)	.460	.445	.448	.488	.444	0.457	4.086	*
4-BROMOPHENYL PHENYL ETHER		.212	.220	.214	.237	.219	0.221	4.486	
HEXACHLOROBENZENE		.320	.301	.303	.322	.288	0.307	4.615	
PENTACHLOROPHENOL		.095	.122	.132	.147	.151	0.129	17.364	*
PHENANTHRENE		1.025	.989	.981	1.085	1.012	1.018	4.049	
ANTHRACENE		.907	.897	.913	.900	.828	0.889	3.873	
DI-N-BUTYL PHTHALATE		.995	1.197	1.139	1.200	1.219	1.150	7.973	
FLUORANTHENE		.891	.997	1.014	1.022	1.077	1.000	6.803	*
[illegible]IDINE		$	.024	.019	.022	.023	0.022*	10.219	* *
[illegible]ENE		1.591	1.714	1.602	1.601	1.680	1.638	3.390	
BUTYL BENZYL PHTHALATE		.431	.650	.574	.635	.744	0.607	19.051	
3,3'-DICHLOROBENZIDINE		.130	.140	.151	.172	.221	0.163	22.067	
BENZO (A) ANTHRACENE		1.195	2.287	1.132	1.295	1.326	1.447	32.885	
BIS (2-ETHYLHEXYL) PHTHALATE		.630	.920	.804	.837	.933	0.825	14.772	
CHRYSENE		1.195	2.287	1.132	1.295	1.326	1.447	32.885	
DI-N-OCTYL PHTHALATE		.937	1.572	1.388	1.452	1.684	1.407	20.335	*
3,4-BENZOFLUORANTHENE		2.228	2.400	2.478	2.510	2.537	2.431	5.119	
BENZO (K) FLUORANTHENE		2.228	2.400	2.478	2.510	2.537	2.431	5.119	
BENZO (A) PYRENE		.932	1.021	1.083	1.135	1.139	1.062	8.146	*
INDENO (1,2,3-CD) PYRENE		.854	.897	1.091	1.087	1.116	1.009	12.224	
DIBENZO (A,H) ANTHRACENE		.639	.710	.856	.842	.892	0.788	13.676	
BENZO (GHI) PERYLENE		.742	.778	.970	.911	.968	0.874	12.26[illegible]	

"" - 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 (**)
$ - not detectable at 20ng
(1) - Cannot be seperated from diphenylamine

Initial Calibration Data
Semivolatile MSL Compounds
(Page 1)

Case No: General Testing
Contractor: CompuChem Laboratories
Contract No. _____

Instrument ID : GWB #37
Calibration Date : 05/17/85

Minimum Avg RF for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID	MI850517A07	MG850517A07	MK850517A07	MJ850517A07	MH850517A07		
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RF	%RSD	CCC + SPCC **
N-NITROSODIMETHYLAMINE	3.016	2.620	3.396	3.092	3.633	3.311	15.20	
PHENOL	2.019	2.142	2.508	2.233	1.877	2.155	11.09	*
ANILINE	2.369	1.868	1.665	2.239	2.057	2.039	13.80	
BIS (2-CHLOROETHYL) ETHER	1.694	1.730	2.073	1.918	1.818	1.851	8.426	
2-CHLOROPHENOL	1.312	1.394	1.562	1.501	1.462	1.427	7.369	
1,3-DICHLOROBENZENE	1.519	1.539	1.732	1.651	1.604	1.607	5.497	
1,4-DICHLOROBENZENE	1.650	1.631	1.748	1.594	1.526	1.630	4.984	*
BENZYL ALCOHOL	.823	.866	.982	1.089	1.034	0.963	11.151	
1,2-DICHLOROBENZENE	1.402	1.529	1.585	1.586	1.558	1.532	5.062	
O-CRESOL	1.197	1.169	1.419	1.364	1.332	1.296	8.350	
BIS (2-CHLOROISOPROPYL) ETHER	4.331	4.065	4.976	4.807	4.633	4.562	6.161	
P-CRESOL	1.293	1.358	1.519	1.419	1.420	1.402	5.980	
N-NITROSODI-N-PROPYLAMINE	1.633	1.663	1.867	1.898	1.956	1.803	8.084	* *
HEXACHLOROETHANE	.672	.762	.905	.895	.867	0.820	12.229	
NITROBENZENE	2.131	2.140	2.468	2.533	2.514	2.357	8.653	
ISOPHORONE	1.169	1.052	.920	1.174	1.040	1.071	9.830	
NITROPHENOL	.159	.200	.202	.187	.189	0.186	9.571	*
2,4-DIMETHYLPHENOL	.326	.367	.341	.321	.311	0.337	8.824	
BIS (2-CHLOROETHOXY) METHANE	.497	.498	.481	.463	.458	0.473	4.159	
BENZOIC ACID	.043	.061	.122	.146	.157	0.100	46.633	
2,4-DICHLOROPHENOL	.274	.267	.280	.284	.267	0.275	2.742	
1,2,4-TRICHLOROBENZENE	.352	.348	.355	.340	.316	0.342	4.571	
NAPHTHALENE	1.134	1.065	1.060	.943	.842	1.009	11.469	
4-CHLOROANILINE	.394	.338	.298	.360	.366	0.351	10.203	
HEXACHLOROBUTADIENE	.213	.209	.215	.199	.187	0.204	5.725	*
P-CHLORO-M-CRESOL	.398	.381	.401	.425	.389	0.399	4.186	*
2-METHYLNAPHTHALENE	.721	.710	.698	.670	.633	0.686	5.176	
HEXACHLOROCYCLOPENTADIENE	.242	.285	.268	.351	.322	0.294	14.729	* *
2,4,6-TRICHLOROPHENOL	.263	.318	.326	.342	.320	0.314	9.582	*
2,4,5-TRICHLOROPHENOL	.263	.318	.326	.342	.320	0.314	9.582	
2-CHLORONAPHTHALENE	1.091	1.125	1.074	1.061	.994	1.069	4.552	
2-NITROANILINE	.623	.672	.707	.809	.727	0.708	9.782	
DIMETHYL PHTHALATE	1.322	1.364	1.240	1.291	1.217	1.287	4.628	
ACENAPHTHYLENE	1.710	1.711	1.649	1.928	1.432	1.606	7.630	
3-NITROANILINE	.324	.361	.347	.395	.371	0.360	7.340	
ACENAPHTHENE	1.113	1.189	1.053	1.097	.963	1.083	7.683	*
2,4-DINITROPHENOL	0	.040	.071	.081	.100	0.073	34.244	* *
4-NITROPHENOL	.812	.853	.774	.813	.720	0.794	6.274	* *
DIBENZOFURAN	1.475	1.554	1.381	1.389	1.259	1.412	7.860	

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

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

Initial Calibration Data
Semivolatile HSL Compounds
(Page 2)

Case No: General Testing
tractor: CompuChem Laboratories
.tract No.

Instrument ID : OMA #07
Calibration Date : 05/17/85

Minimum Avg RT for SPCC is 0.050

Maximum %RSD for CCC is 30%

Laboratory ID		MI850517A07	MG850517A07	MK850517A07	MJ850517A07	MN850517A07			CCC * SPCC **
Compound		RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	Avg RT	%RSD	
2,4-DINITROTOLUENE		.422	.482	.363	.567	.544	0.516	12.133	
2,6-DINITROTOLUENE		.202	.234	.257	.286	.272	0.250	13.261	
DIETHYL PHTHALATE		1.538	1.475	1.509	1.450	1.406	1.477	3.4[illegible]	
4-CHLOROPHENYL PHENYL ETHER		.521	.534	.534	.543	.503	0.527	2.984	
FLUORENE		1.252	1.252	1.141	1.161	1.015	1.164	8.[illegible]	
4-NITROANILINE		.145	.162	.163	.165	.163	0.160	5.15[illegible]	
4,6-DINITRO-O-CRESOL		.036	.065	.077	.086	.090	0.071	31.098	
N-NITROSODIPHENYLAMINE	(1)	.434	.468	.448	.378	.390	0.424	9.075	*
4-BROMOPHENYL PHENYL ETHER		.169	.180	.194	.179	.171	0.178	5.50[illegible]	
HEXACHLOROBENZENE		.242	.232	.240	.228	.198	0.228	7.6[illegible]	
PENTACHLOROPHENOL		.044	.083	.092	.096	.090	0.082	27.270	*
PHENANTHRENE		.980	.990	.957	.848	.805	0.916	9.159	
ANTHRACENE		.980	.990	.957	.848	.805	0.916	9.159	
DI-N-BUTYL PHTHALATE		1.424	1.442	1.457	1.306	1.102	1.346	11.069	
FLUORANTHENE		1.026	1.133	1.131	.999	.997	1.057	6.563	*
[illegible]IDINE		$	$	$	$	.050	0.050=	0.000	**
[illegible]NE		1.716	1.782	1.589	1.578	1.455	1.624	7.07[illegible]	
BUTYL BENZYL PHTHALATE		.692	.853	.811	.886	.881	0.825	9.735	
3,3'-DICHLOROBENZIDINE		.199	.185	.220	.151	.189	0.189	13.142	
BENZO (A) ANTHRACENE		1.285	1.309	1.298	1.281	1.249	1.283	1.916	
BIS (2-ETHYLHEXYL) PHTHALATE		1.046	1.265	1.214	1.278	1.227	1.216	8.067	
CHRYSENE		1.131	1.199	1.208	1.167	1.164	1.174	2.607	
DI-N-OCTYL PHTHALATE		1.706	1.982	1.851	2.105	2.173	1.964	9.602	*
3,4-BENZOFLUORANTHENE		1.148	1.246	1.276	1.247	1.238	1.231	3.946	
BENZO (K) FLUORANTHENE		1.008	1.045	1.220	1.217	1.100	1.118	8.708	
BENZO (A) PYRENE		.931	1.043	1.124	1.137	1.114	1.070	7.998	*
INDENO (1,2,3-CD) PYRENE		.991	1.219	1.310	1.217	1.279	1.203	10.387	
DIBENZO (A,H) ANTHRACENE		.778	1.003	1.071	.946	.989	0.957	11.480	
BENZO (GHI) PERYLENE		.827	1.041	1.130	1.020	1.048	1.013	11.087	

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 (**)
$ - not detectable at 20ng
(1) - Cannot be seperated from diphenylamine

Continuing Calibration Check
Volatile HSL Compounds

Case No: _____
Contractor: CompuChem Laboratories
Contract No: _____
Instrument ID : GMA 011

Calibration Date: 05/09/85
Time: 22:07
Laboratory ID : CS850509B11
Initial Calibration Date: 05/01/85

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
METHYL CHLORIDE	2.149	1.837	14.503		**
METHYL BROMIDE	2.731	2.133	21.874		
VINYL CHLORIDE	2.212	1.840	16.789	*	
CHLOROETHANE	1.166	0.980	15.961		
METHYLENE CHLORIDE	1.997	1.768	11.456		
ACETONE (2-PROPANONE)	0.369	0.342	7.233		
CARBON DISULFIDE	4.499	3.705	17.649		
1,1-DICHLOROETHYLENE	1.349	1.198	11.189	*	
1,1-DICHLOROETHANE	2.393	2.134	10.826		**
1,2-TRANS-DICHLOROETHYLENE	1.437	1.289	10.345		
CHLOROFORM	3.473	2.946	15.181	*	
1,2-DICHLOROETHANE	2.445	2.020	17.369		
2-BUTANONE	0.019	0.022	-16.716		
1,1,1-TRICHLOROETHANE	0.476	0.439	7.737		
CARBON TETRACHLORIDE	0.526	0.452	14.057		
VINYL ACETATE	0.436	0.377	13.521		
DICHLOROBROMOMETHANE	0.570	0.527	7.491		
1,2-DICHLOROPROPANE	0.296	0.297	-0.473	*	
1,3-DICHLOROPROPYLENE	0.201	0.209	-4.181		
TRICHLOROETHYLENE	0.490	0.482	1.633		
CHLORODIBROMOMETHANE	0.593	0.533	10.050		
1,1,2-TRICHLOROETHANE	0.348	0.335	3.847		
BENZENE	0.924	0.923	0.129		
CIS-1,3-DICHLOROPROPYLENE	0.764	0.693	9.244		
2-CHLOROETHYLVINYL ETHER	0.142	0.156	-9.732		
BROMOFORM	0.409	0.318	22.080		**
2-HEXANONE	0.207	0.209	-0.964		
4-METHYL-2-PENTANONE	0.137	0.136	0.800		
TETRACHLOROETHYLENE	0.534	0.451	15.630		
1,1,2,2-TETRACHLOROETHANE	0.443	0.424	4.293		**
TOLUENE	0.713	0.697	2.313	*	
CHLOROBENZENE	1.101	1.051	4.568		**
ETHYLBENZENE	0.577	0.558	3.394	*	
STYRENE	1.378	1.373	0.406		
TOTAL XYLENES	0.928	0.936	-0.937		

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 (**)

Continuing Calibration Check
Volatile HSL Compounds

Case No: General Testing
Contractor: CompuChem Laboratories
Contract No: _____
Instrument ID : GWA #11

Calibration Date: 05/29/85
Time: 09:47
Laboratory ID : CS850529W11
Initial Calebration Date: 05/23/85

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
METHYL CHLORIDE	1.250	1.328	-6.198		**
METHYL BROMIDE	1.752	1.773	-1.227		
VINYL CHLORIDE	1.311	1.230	6.171	*	
CHLOROETHANE	0.683	0.672	1.638		
METHYLENE CHLORIDE	1.560	1.374	11.917		
ACETONE (2-PROPANONE)	0.249	0.286	-14.963		
CARBON DISULFIDE	4.216	3.829	9.181		
1,1-DICHLOROETHYLENE	1.353	1.245	7.970	*	
1,1-DICHLORDETHANE	2.418	2.250	6.923		**
1,2-TRANS-DICHLOROETHYLENE	1.448	1.287	11.074		
CHLOROFORM	3.562	3.301	7.332	*	
1,2-DICHLOROETHANE	2.204	2.193	0.467		
2-BUTANONE	0.024	0.027	-10.416		
1,1,1-TRICHLOROETHANE	0.678	0.621	8.440		
CARBON TETRACHLORIDE	0.696	0.619	11.023		
VINYL ACETATE	0.460	0.536	-16.608		
DICHLOROBROMOMETHANE	0.827	0.699	15.484		
1,2-DICHLOROPROPANE	0.364	0.322	11.483	*	
TRANS-1,3-DICHLOROPROPYLENE	0.293	0.215	14.962		
TRICHLOROETHYLENE	0.480	0.419	12.794		
DIBROMOCHLOROMETHANE	0.733	0.574	21.680		
1,1,2-TRICHLOROETHANE	0.390	0.352	9.594		
BENZENE	0.999	0.872	12.709		
CIS-1,3-DICHLOROPROPYLENE	0.789	0.677	14.198		
2-CHLOROETHYLVINYL ETHER	0.187	0.165	11.953		
BROMOFORM	0.470	0.308	34.411		**
2-HEXANONE	0.256	0.268	-3.718		
4-METHYL-2-PENTANONE	0.169	0.165	2.547		
TETRACHLOROETHYLENE	0.535	0.440	17.801		
1,1,2,2-TETRACHLOROETHANE	0.560	0.439	21.638		**
TOLUENE	0.814	0.727	10.660	*	
CHLOROBENZENE	1.117	0.997	10.692		**
ETHYLBENZENE	0.518	0.459	11.387	*	
STYRENE	1.139	1.131	0.667		
TOTAL XYLENES	0.670	0.683	-1.984		

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 MSL Compounds

Case No: General Testing
Contractor: CompuChem Laboratories
Contract No:
Instrument ID : OWA #12

Calibration Date: 05/09/85
Time: 16:50
Laboratory ID : CS850509B12
Initial Calabration Date: 05/09/85

Minimum RF for SPCC is 0.300

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
METHYL CHLORIDE	0.739	0.880	-19.128		**
METHYL BROMIDE	1.249	1.474	-18.495		
VINYL CHLORIDE	0.976	1.198	-22.753	*	
CHLOROETHANE	0.519	0.626	-20.674		
METHYLENE CHLORIDE	0.956	1.121	-17.189		
ACETONE (2-PROPANONE)	0.209	0.216	-3.349		
CARBON DISULFIDE	2.764	3.134	-13.364		
1,1-DICHLOROETHYLENE	0.914	1.062	-16.185	*	
1,1-DICHLOROETHANE	1.660	1.852	-11.579		**
1,2-TRANS-DICHLOROETHYLENE	0.946	1.077	-13.882		
CHLOROFORM	2.178	2.421	-11.127	*	
1,2-DICHLOROETHANE	1.439	1.550	-7.720		
2-BUTANONE	0.023	0.025	-9.333		
1,1,1-TRICHLOROETHANE	0.442	0.515	-16.610		
CARBON TETRACHLORIDE	0.465	0.546	-17.419		
VINYL ACETATE	0.374	0.417	-11.497		
DICHLOROBROMOMETHANE	0.508	0.596	-17.349		
1,2-DICHLOROPROPANE	0.289	0.335	-15.887	*	
TRANS-1,3-DICHLOROPROPYLENE	0.202	0.239	-15.578		
TRICHLOROETHYLENE	0.405	0.490	-21.077		
CHLORODIBROMOMETHANE	0.444	0.541	-21.901		
1,1,2-TRICHLOROETHANE	0.259	0.303	-17.040		
BENZENE	0.580	0.676	-16.603		
CIS-1,3-DICHLOROPROPYLENE	0.551	0.638	-15.816		
2-CHLOROETHYLVINYL ETHER	0.169	0.190	-12.396		
BROMOFORM	0.416	0.467	-12.436		**
2-HEXANONE	0.258	0.289	-11.919		
4-METHYL-2-PENTANONE	0.170	0.188	-10.954		
TETRACHLOROETHYLENE	0.456	0.538	-17.956		
1,1,2,2-TETRACHLOROETHANE	0.424	0.486	-14.558		**
TOLUENE	0.522	0.595	-12.152	*	
CHLOROBENZENE	0.821	0.952	-15.965		**
ETHYLBENZENE	0.440	0.507	-15.286	*	
STYRENE	1.113	1.226	-10.114		
TOTAL XYLENES	0.637	0.685	-7.523		

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: General Testing
Contractor: CompuChem Laboratories
Contract No:
Instrument ID : GWA M22

Calibration Date: 05/19/85
Time: 09:30
Laboratory ID : M6850519A22
Initial Calabration Date: 04/09/85

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
N-NITROSODIMETHYLAMINE	0.691	1.295	-87.561		
PHENOL	1.686	1.971	-16.906	*	
ANILINE	1.376	2.426	-76.335		
BIS (2-CHLOROETHYL) ETHER	1.376	2.073	-50.716		
2-CHLOROPHENOL	1.283	1.601	-24.816		
1,3-DICHLOROBENZENE	1.397	1.613	-15.401		
1,4-DICHLOROBENZENE	1.347	1.640	-21.723	*	
BENZYL ALCOHOL	0.709	1.118	-57.697		
1,2-DICHLOROBENZENE	1.347	1.618	-20.068		
O-CRESOL	0.978	1.530	-56.504		
BIS (2-CHLOROISOPROPYL) ETHER	1.502	4.471	-197.623		
P-CRESOL	1.068	1.647	-54.304		
N-NITROSODI-N-PROPYLAMINE	1.017	1.787	-75.670		**
HEXACHLOROETHANE	0.738	0.775	-4.957		
NITROBENZENE	1.490	2.233	-49.898		
ISOPHORONE	0.820	1.184	-44.330		
2-NITROPHENOL	0.194	0.203	-4.702	*	
2,4-DIMETHYLPHENOL	0.304	0.358	-17.679		
(2-CHLOROETHOXY) METHANE	0.411	0.612	-48.893		
BENZOIC ACID	0.172	0.293	-69.895		
2,4-DICHLOROPHENOL	0.303	0.306	-0.957		
1,2,4-TRICHLOROBENZENE	0.368	0.335	8.836		
NAPHTHALENE	1.065	1.109	-4.120		
4-CHLOROANILINE	0.136	0.500	-266.715		
HEXACHLOROBUTADIENE	0.232	0.176	24.375	*	
P-CHLORO-M-CRESOL	0.358	0.432	-20.749	*	
2-METHYLNAPHTHALENE	0.626	0.735	-17.048		
HEXACHLOROCYCLOPENTADIENE	0.239	0.237	0.795		**
2,4,6-TRICHLOROPHENOL	0.388	0.373	4.017	*	
2,4,5-TRICHLOROPHENOL	0.388	0.373	4.017		
2-CHLORONAPHTHALENE	1.180	1.171	0.838		
2-NITROANILINE	0.416	0.662	-59.191		
DIMETHYL PHTHALATE	1.352	1.521	-12.496		
ACENAPHTHYLENE	1.736	1.912	-10.174		
3-NITROANILINE	0.151	0.472	-213.138		
ACENAPHTHENE	1.156	1.304	-12.796	*	
2,4-DINITROPHENOL	0.053	0.059	-13.142		**
4-NITROPHENOL	0.941	0.736	21.810		**
DIBENZOFURAN	1.582	1.697	-7.274		

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 MSL Compounds
(Page 2)

Case No: General Testing
Contractor: CompuChem Laboratories
Contract No:
Instrument ID : GWA #22

Calibration Date: 05/19/85
Time: 09:50
Laboratory ID : NG850519A22
Initial Calabration Date: 04/09/85

Minimum RT for SPCC is 0.050

Maximum %D for CCC is 25%

Compound		Avg RF	RF(50)	%D	CCC	SPCC
2,4-DINITROTOLUENE		0.376	0.496	-31.748		
2,6-DINITROTOLUENE		0.262	0.311	-18.664		
DIETHYL PHTHALATE		1.425	1.639	-15.003		
4-CHLOROPHENYL PHENYL ETHER		0.585	0.585	0.017		
FLUORENE		1.167	1.372	-17.500		
4-NITROANILINE		0.109	0.360	-230.119		
4,6-DINITRO-O-CRESOL		0.071	0.076	-7.496		
N-NITROSODIPHENYLAMINE	(1)	0.457	0.443	3.041	*	
4-BROMOPHENYL PHENYL ETHER		0.221	0.199	9.655		
HEXACHLOROBENZENE		0.307	0.268	12.838		
PENTACHLOROPHENOL		0.129	0.109	15.634	*	
PHENANTHRENE		1.018	1.075	-5.598		
ANTHRACENE		0.889	0.952	-7.097		
DI-N-BUTYL PHTHALATE		1.150	1.518	-32.026		
FLUORANTHENE		1.000	1.156	-15.600	*	
BENZIDINE		0.022	0.013*	40.723		**
PYRENE		1.638	1.369	16.421		
BUTYL BENZYL PHTHALATE		0.607	0.769	-26.676		
3,3'-DICHLOROBENZIDINE		0.163	0.299	-83.640		
BENZO (A) ANTHRACENE		1.447	1.301	10.055		
BIS (2-ETHYLHEXYL) PHTHALATE		0.825	1.126	-36.546		
CHRYSENE		1.447	1.203	16.877		
DI-N-OCTYL PHTHALATE		1.407	1.669	-18.307	*	
3,4-BENZOFLUORANTHENE		2.431	1.323	45.583		
BENZO (K) FLUORANTHENE		2.431	1.176	51.631		
BENZO (A) PYRENE		1.062	1.116	-5.102	*	
INDENO (1,2,3-CD) PYRENE		1.009	1.013	-0.386		
DIBENZO (A,H) ANTHRACENE		0.789	0.980	-24.409		
BENZO (GHI) PERYLENE		0.874	0.987	-13.002		

RT(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 MSL Compounds
(Page 1)

Case No: General Testing
tractor: CompuChem Laboratories
:ract No:
Instrument ID : OWA #07

Calibration Date: 05/25/85
Time: 06:52
Laboratory ID : MB850525C07
Initial Calabration Date: 05/17/85

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 25%

Compound	Avg RF	RF(50)	%D	CCC	SPCC
N-NITROSODIMETHYLAMINE	3.311	1.764	46.720		
PHENOL	2.155	1.901	11.797	*	
ANILINE	2.038	1.705	16.357		
BIS (2-CHLOROETHYL) ETHER	1.851	1.598	13.655		
2-CHLOROPHENOL	1.437	1.330	7.467		
1,3-DICHLOROBENZENE	1.607	1.575	2.046		
1,4-DICHLOROBENZENE	1.630	1.623	0.380	*	
BENZYL ALCOHOL	0.963	0.768	20.286		
1,2-DICHLOROBENZENE	1.532	1.461	4.640		
O-CRESOL	1.296	1.099	13.221		
BIS (2-CHLOROISOPROPYL) ETHER	4.556	2.878	36.877		
P-CRESOL	1.402	1.225	12.603		
N-NITROSODI-N-PROPYLAMINE	1.803	1.340	25.712		**
HEXACHLOROETHANE	0.820	0.735	10.364		
NITROBENZENE	2.357	1.810	23.217		
ISOPHORONE	1.071	0.981	8.366		
2-NITROPHENOL	0.184	0.194	-4.366	*	
2,4-DIMETHYLPHENOL	0.337	0.358	-6.257		
(2-CHLOROETHOXY) METHANE	0.473	0.485	-2.438		
ZOIC ACID	0.106	0.165	-55.451		
2,4-DICHLOROPHENOL	0.275	0.327	-19.075		
1,2,4-TRICHLOROBENZENE	0.342	0.386	-12.614		
NAPHTHALENE	1.009	1.114	-10.460		
4-CHLOROANILINE	0.351	0.306	12.792		
HEXACHLOROBUTADIENE	0.204	0.222	-8.663	*	
P-CHLORO-M-CRESOL	0.399	0.400	-0.401	*	
2-METHYLNAPHTHALENE	0.686	0.688	-0.247		
HEXACHLOROCYCLOPENTADIENE	0.294	0.305	-3.985		**
2,4,6-TRICHLOROPHENOL	0.314	0.388	-23.780	*	
2,4,5-TRICHLOROPHENOL	0.314	0.388	-23.780		
2-CHLORONAPHTHALENE	1.069	1.271	-18.896		
2-NITROANILINE	0.700	0.589	16.777		
DIMETHYL PHTHALATE	1.287	1.483	-15.217		
ACENAPHTHYLENE	1.606	1.775	-10.568		
3-NITROANILINE	0.360	0.408	-13.351		
ACENAPHTHENE	1.083	1.253	-15.712	*	
2,4-DINITROPHENOL	0.072	0.070	4.389		**
4-NITROPHENOL	0.794	0.895	-12.640		**
DIBENZOFURAN	1.412	1.665	-17.971		

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: General Testing
Contractor: CompuChem Laboratories
Contract No: _____
Instrument ID : OWA #07

Calibration Date: 05/25/85
Time: 06:52
Laboratory ID : MG850525C07
Initial Calabration Date: 05/17/85

Minimun RF for SPCC is 0.050

Maximun %D for CCC is 25%

Compound		Avg RF	RF(50)	%D	CCC	SPCC
2,4-DINITROTOLUENE		0.516	0.463	10.106		
2,6-DINITROTOLUENE		0.250	0.293	-17.406		
DIETHYL PHTHALATE		1.477	1.632	-10.460		
4-CHLOROPHENYL PHENYL ETHER		0.527	0.598	-13.456		
FLUORENE		1.164	1.313	-12.808		
4-NITROANILINE		0.163	0.166	-1.265		
4,6-DINITRO-O-CRESOL		0.071	0.084	-18.246		
N-NITROSODIPHENYLAMINE	(1)	0.424	0.476	-12.917	*	
4-BROMOPHENYL PHENYL ETHER		0.179	0.212	-18.900		
HEXACHLOROBENZENE		0.228	0.297	-30.196		
PENTACHLOROPHENOL		0.060	0.066	19.660	*	
PHENANTHRENE		0.916	1.069	-16.709		
ANTHRACENE		0.916	0.999	-9.018		
DI-N-BUTYL PHTHALATE		1.346	1.483	-10.197		
FLUORANTHENE		1.057	1.042	1.437	*	
BENZIDINE		0.050	0.006*	87.775		**
PYRENE		1.624	1.619	0.326		
BUTYL BENZYL PHTHALATE		0.823	0.830	-0.809		
3,3'-DICHLOROBENZIDINE		0.189	0.182	3.992		
BENZO (A) ANTHRACENE		1.263	1.183	7.846		
BIS (2-ETHYLHEXYL) PHTHALATE		1.216	1.367	-12.403		
CHRYSENE		1.174	1.085	7.615		
DI-N-OCTYL PHTHALATE		1.964	2.193	-11.640	*	
3,4-BENZOFLUORANTHENE		1.231	1.126	8.531		
BENZO (K) FLUORANTHENE		1.116	1.126	-0.879		
BENZO (A) PYRENE		1.070	1.029	3.832	*	
INDENO (1,2,3-CD) PYRENE		1.203	1.190	1.113		
DIBENZO (A,H) ANTHRACENE		0.957	0.979	-2.229		
BENZO (GHI) PERYLENE		1.013	0.961	5.181		

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

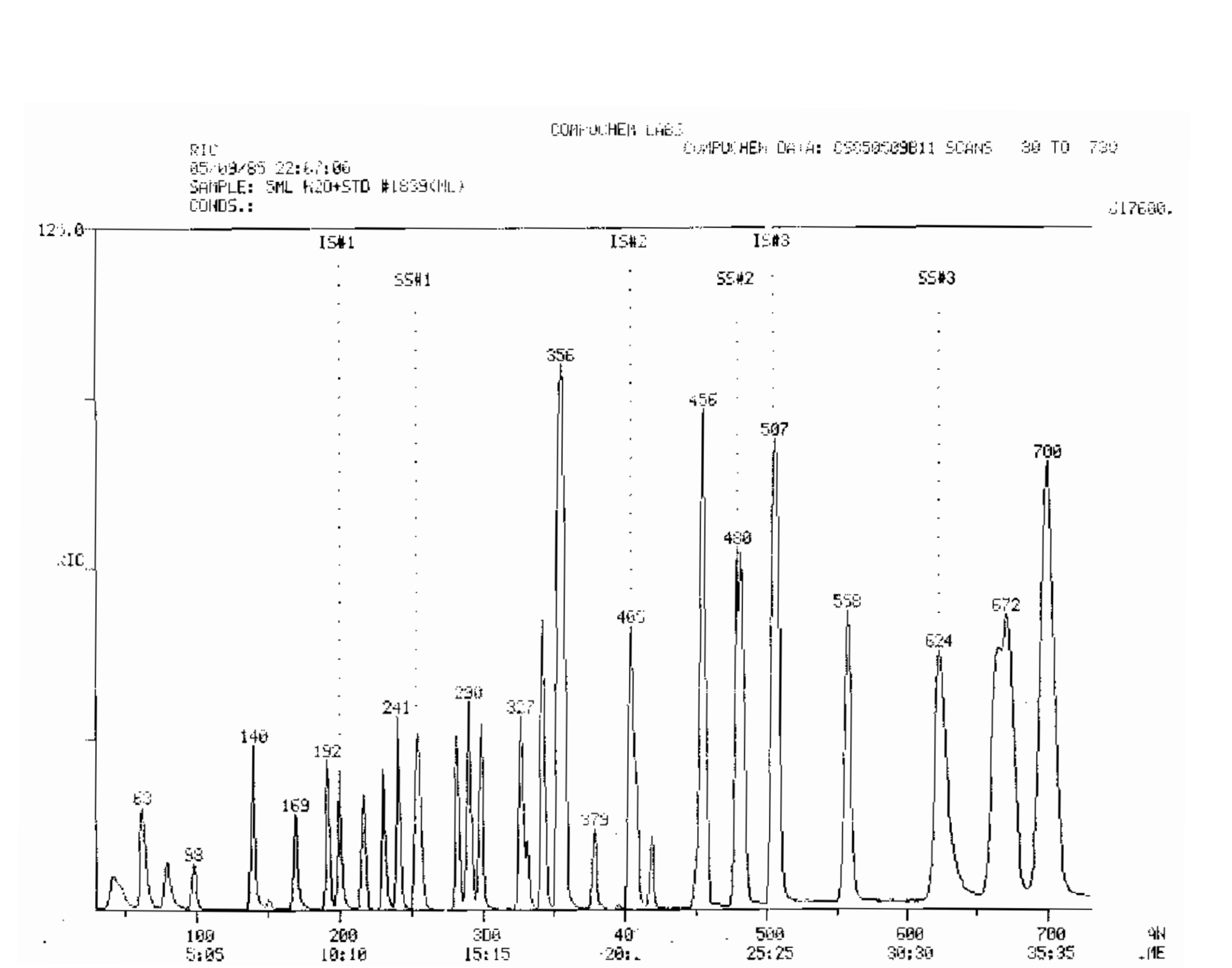
CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)
(1) - Cannot be seperated from diphenylamine

EPA CASE# Gen Test

COMPUCHEM CASE SUMMARY REFERENCE GUIDE

REVIEWER _____

fraction	associated tune	associated shift std	CC #	EPA SMO#	Analysis Date/Name	Voa Inst. blnk	Extract. Date	Assoc. Blk.	Comment
VOA	BF850509.B11	CS850509B11	49862	11447					
	BF850529.B11	CS850529A11	49945	N.13ek					
	BF850509.A12	CS850509.B12	49861	50705-6					
			49808	SS					
			49809	SS					


COMPUCHEM LABS
RIC
COMPUCHEM DATA: C9505009011 SCANS 30 TO 739
05/09/95 22:47:00
SAMPLE: SML H20+STD #1839(ML)
CONDS.:
617600.
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
63
93
140
169
192
241
290
327
356
379
405
456
480
507
559
624
672
700
100
5:05
200
10:10
300
15:15
40
20:
500
25:25
600
30:30
700
35:35

PROCEDURE: RK DIAGNOSTIC REPORT 5/09/85 22:48:44
DATA FILE: C3EE85C2__
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E2375

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	27	42	40	1	57	E2375/E237U

42 COMPOUNDS PROCESSED, 40 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REP	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-198	200	200	.	1	979	.	128	200	.	1
2	E2	1	-404	405	405	.	1	993	.	114	404	-1	1
3	E3	1	-506	506	506	.	1	971	.	117	505	-1	1
4	E1	2	-41	44	42	-2	1	966	.	50	42	.	1
5	E1	3	-60	63	63	.	1	954	.	94	63	.	1
6	E1	4	-76	76	79	1	1	978	.	62	79	.	1
7	E1	5	-95	97	98	1	1	979	.	64	98	.	1
8	E1	6	-137	139	140	1	1	988	.	84	140	.	1
9	E1	7	-148	150	151	1	1	965	.	43	151	.	1
10	E1	8	-167	169	169	.	1	994	.	76	169	.	1
11	E1	9	-190	192	192	.	1	993	.	96	192	.	1
12	E1	10	-215	217	217	.	1	996	.	63	217	.	1
13	E1	11	-230	232	231	-1	1	993	.	96	231	.	1
14	E1	12	-240	242	241	-1	1	986	.	83	241	.	1
15	E1	13	-255	256	256	.	1	967	.	62	256	.	1
16	E2	2	-253	254	254	.	1	989	.	72	254	.	1
17	E2	3	-281	282	282	.	1	990	.	97	282	.	1
18	E2	4	-289	290	290	.	1	990	.	117	290	.	1
19	E2	5	-291	292	292	.	1	976	.	43	292	.	1
20	E2	6	-298	299	299	.	1	989	.	83	299	.	1
21	E2	7	-326	327	327	.	1	998	.	63	327	.	1
22	E2	8	-331	332	332	.	1	986	.	75	332	.	1
23	E2	9	-342	343	343	.	1	986	.	130	343	.	1
24	E2	10	-354	355	.	.	.	.	.	129	354	.	1
25	E2	11	-356	357	357	.	1	992	.	97	357	.	1
26	E2	12	-353	354	354	.	1	997	.	78	354	.	1
27	E2	13	-357	356	357	-1	1	977	.	75	357	.	1
28	E2	14	-378	379	379	.	1	993	.	63	379	.	1
29	E2	15	-408	409	408	-1	1	978	.	173	408	.	1
30	E3	2	-419	420	419	-1	1	948	.	43	419	.	1
31	E3	3	-450	450	450	.	1	963	.	43	450	.	1
32	E3	4	-455	455	456	1	1	967	.	164	456	.	1
33	E3	5	-454	454	.	.	.	.	.	83	454	.	1
34	E3	6	-483	483	483	.	1	980	.	92	483	.	1
35	E3	7	-508	508	508	.	1	986	.	112	508	.	1
36	E3	8	-558	558	558	.	1	981	.	106	558	.	1
37	E3	9	-665	664	665	1	1	986	.	104	665	.	1
38	E3	10	-674	673	672	-1	1	990	.	106	673	1	1
39	E3	11	-701	700	700	.	1	990	.	106	700	.	1
40	E4	2	-253	254	254	.	1	983	.	65	254	.	1
41	E4	3	-624	623	624	1	1	997	.	95	624	.	1
42	E4	4	-479	479	480	1	1	989	.	98	479	-1	1

DATA: CS850509B11 TI
05/09/85 22:07:00
SAMPLE: 5ML H2O+STD #1839(NL)
CMNDS. :
SUBMITTED BY: 11 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
2	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
2	217 1,2-DICHLOROPROPANE
2	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# D8-TOLUENE

M. O 5/9/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	200	10:10	1	1.000	A BV	68324.	50.000 UG/L	2.07
	50	42	2:08	1	0.210	A BB	125506.	51.368 UG/L	2.12

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
3	94	63	3:12	1	0.315	A BV	145759	52.955 UG/L	2.19
4	62	79	4:01	1	0.395	A BB	125729.	52.525 UG/L	2.17
5	64	98	4:59	1	0.490	A BB	66944.	50.105 UG/L	2.07
6	84	140	7:07	1	0.700	A BV	120827.	52.643 UG/L	2.18
7	43	151	7:41	1	0.755	A BV	23396.	61.831 UG/L	2.56
8	76	169	8:35	1	0.845	A BB	253159.	72.770 UG/L	3.01
9	96	192	9:46	1	0.960	A BB	81834.	55.728 UG/L	2.30
10	63	217	11:02	1	1.085	A BB	145815.	53.806 UG/L	2.22
11	96	231	11:45	1	1.155	A BB	88046.	55.890 UG/L	2.31
12	83	241	12:15	1	1.205	A BV	201288.	53.500 UG/L	2.21
13	62	256	13:01	1	1.280	A BV	138039.	52.766 UG/L	2.18
14	114	404	20:32	14	1.000	A BV	358245.	50.000 UG/L	2.07
15	72	254	12:55	14	0.629	A BB	7941	59.469 UG/L	2.46
16	97	282	14:20	14	0.698	A BV	157201.	52.711 UG/L	2.18
17	117	290	14:44	14	0.718	A VV	161863.	53.653 UG/L	2.22
18	43	292	14:51	14	0.723	A BV	134955.	62.389 UG/L	2.58
19	83	299	15:12	14	0.740	A BB	188900.	54.477 UG/L	2.25
20	63	327	16:37	14	0.809	A BV	106459.	53.056 UG/L	2.19
21	75	332	16:53	14	0.822	A BV	74986.	57.930 UG/L	2.39
22	130	343	17.26	14	0.849	A BV	172517.	55.726 UG/L	2.30
23	129	354	18:00	14	0.876	A BV	191095.	55.823 UG/L	2.31
24	97	357	18:09	14	0.884	A VB	119986.	56.568 UG/L	2.34
25	78	354	18:00	14	0.876	A BB	330514.	55.752 UG/L	2.30
26	75	357	18:09	14	0.884	A BB	248299	55.682 UG/L	2.30
27	63	379	19:16	14	0.938	A BV	55737.	63.530 UG/L	2.63
28	173	408	20:44	14	1.010	A BV	114023.	52.172 UG/L	2.16
29	117	505	25:40	29	1.000	A BB	382439.	50.000 UG/L	2.07
30	43	419	21:18	29	0.830	A BV	80077.	60.253 UG/L	2.49
31	43	450	22:52	29	0.891	A BB	52145.	63.562 UG/L	2.63
32	164	456	23:11	29	0.903	A BB	172357.	51.596 UG/L	2.13
3	83	454	23:05	29	0.899	A BV	161975.	52.507 UG/L	2.17
34	92	483	24:33	29	0.956	A BV	266486.	54.855 UG/L	2.27
35	112	508	25:49	29	1.006	A BB	401824.	54.049 UG/L	2.23
36	106	558	28:22	29	1.105	A BB	213306.	52.627 UG/L	2.18
37	104	665	33:48	29	1.317	A BB	525019.	63.873 UG/L	2.64
38	106	673	34:13	29	1.333	A BB	358082.	64.234 UG/L	2.66
39	106	703	35:35	29	1.386	A BB	699269.	144.783 UG/L	5.99
40	65	254	12:55	1	1.270	A BV	138318.	49.513 UG/L	2.05
41	95	624	31.43	29	1.236	A BB	965949.	49.376 UG/L	2.04
42	98	479	24:21	1	2.395	A BV	422264.	52.972 UG/L	2.19

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:04	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:05	1.02	10.000	0.02	51.37	50.00	1.837	1.788	1.03
3	3:03	1.05	10.000	0.03	52.96	50.00	2.133	2.014	1.06
4	3:52	1.04	10.000	0.04	52.52	50.00	1.840	1.752	1.05
5	4:50	1.03	10.000	0.05	50.10	50.00	0.980	0.978	1.00
6	6:58	1.02	5.000	0.14	52.64	50.00	1.768	1.680	1.05
7	7:31	1.02	10.000	0.08	61.83	50.00	0.342	0.277	1.24
8	8:29	1.01	5.000	0.17	72.77	50.00	3.705	2.546	1.46
9	9:39	1.01	5.000	0.19	55.73	50.00	1.198	1.075	1.11
10	10:56	1.01	5.000	0.22	53.81	50.00	2.134	1.983	1.08
11	11:41	1.00	5.000	0.23	55.89	50.00	1.289	1.153	1.12
12	12:12	1.00	5.000	0.24	53.50	50.00	2.946	2.753	1.07
13	12:58	1.00	5.000	0.26	52.77	50.00	2.020	1.914	1.06
1	20:32	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RET(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	12:52	1.00	10.000	0.06	59.47	50.00	0.022	0.019	1.1[illegible]
16	14:17	1.00	5.000	0.14	52.71	50.00	0.439	0.416	1.05
17	14:41	1.00	5.000	0.14	53.65	50.00	0.452	0.421	1.07
18	14:48	1.00	10.000	0.07	62.39	50.00	0.377	0.302	1.25
19	15:09	1.00	5.000	0.15	54.48	50.00	0.527	0.484	1.09
20	16:34	1.00	5.000	0.16	53.06	50.00	0.297	0.280	1.06
21	16:50	1.00	5.000	0.16	57.93	50.00	0.209	0.181	1.16
22	17:23	1.00	5.000	0.17	55.73	50.00	0.482	0.432	1.11
23	18:00	1.00	5.000	0.18	55.82	50.00	0.533	0.478	1.12
24	18:06	1.00	5.000	0.18	56.57	50.00	0.335	0.296	1.13
25	17:57	1.00	5.000	0.18	55.75	50.00	0.923	0.827	1.12
26	18:09	1.00	5.000	0.18	55.68	50.00	0.693	0.622	1.11
27	19:13	1.00	10.000	0.09	63.53	50.00	0.156	0.132	1.27
28	20:44	1.00	5.000	0.20	52.17	50.00	0.318	0.305	1.04
29	25:43	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:18	1.00	10.000	0.08	60.25	50.00	0.209	0.174	1.21
31	22:52	1.00	10.000	0.09	63.56	50.00	0.136	0.107	1.27
32	23:08	1.00	5.000	0.18	51.60	50.00	0.451	0.437	1.03
33	23:05	1.00	5.000	0.18	52.51	50.00	0.424	0.403	1.05
34	24:33	1.00	5.000	0.19	54.86	50.00	0.697	0.635	1.10
35	25:49	1.00	5.000	0.20	54.05	50.00	1.051	0.972	1.08
36	28:22	1.00	5.000	0.22	52.63	50.00	0.558	0.530	1.05
37	33:42	1.00	5.000	0.26	63.87	50.00	1.373	1.075	1.27
38	34:16	1.00	5.000	0.27	64.23	50.00	0.936	0.729	1.28
39	35:38	1.00	5.000	0.28	144.78	100.00	0.914	0.631	1.45
40	12:52	1.00	10.000	0.13	49.51	50.00	2.024	2.044	0.99
41	31:43	1.00	10.000	0.12	49.38	50.00	0.955	0.967	0.99
42	24:21	1.00	10.000	0.24	52.97	50.00	6.180	5.834	1.06

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune: 2130 Shift(s) (A) ____ (B) X (C) ____
Time Tune Expires: 2 08 Date 5/9/85
Analysis Type CLP

2

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		BFSS0509B11		5/9/85	20:57			2 uL	719		112	14587-7008
2		CBSS0509B11		/ /	21:25			5 uL	719		112	0364394
3		CSSS0509B11		/ /	20:07			5 uL	719		112	Std # 1839(mc)
4		CN048962B11		/ /	23:20	11447	GENTEST	5 uL	719		112	
5	X	CR048846B11		/ /	0:02	EA387	4221	2 uL/5 mL	719		112	
6		CZ048840C11		5/10/85	1:08	EA287	4221	1.2 uL/5 mL	812		112	
7		CX048986C11		/ /	2:03	SS	4221	1.2 uL/5 mL	812		112	
8		CR049987C11		/ /	3:24	SS	4221	1.2 uL/5 mL	812		112	
9		CX048839C11		/ /	4:39	EA286	4221	.5 uL/5 mL	812		112	
10				/ /	:							
11				/ /	:							
12				/ /	:							
13				/ /	:							
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26				/ /	:							

5/10/85

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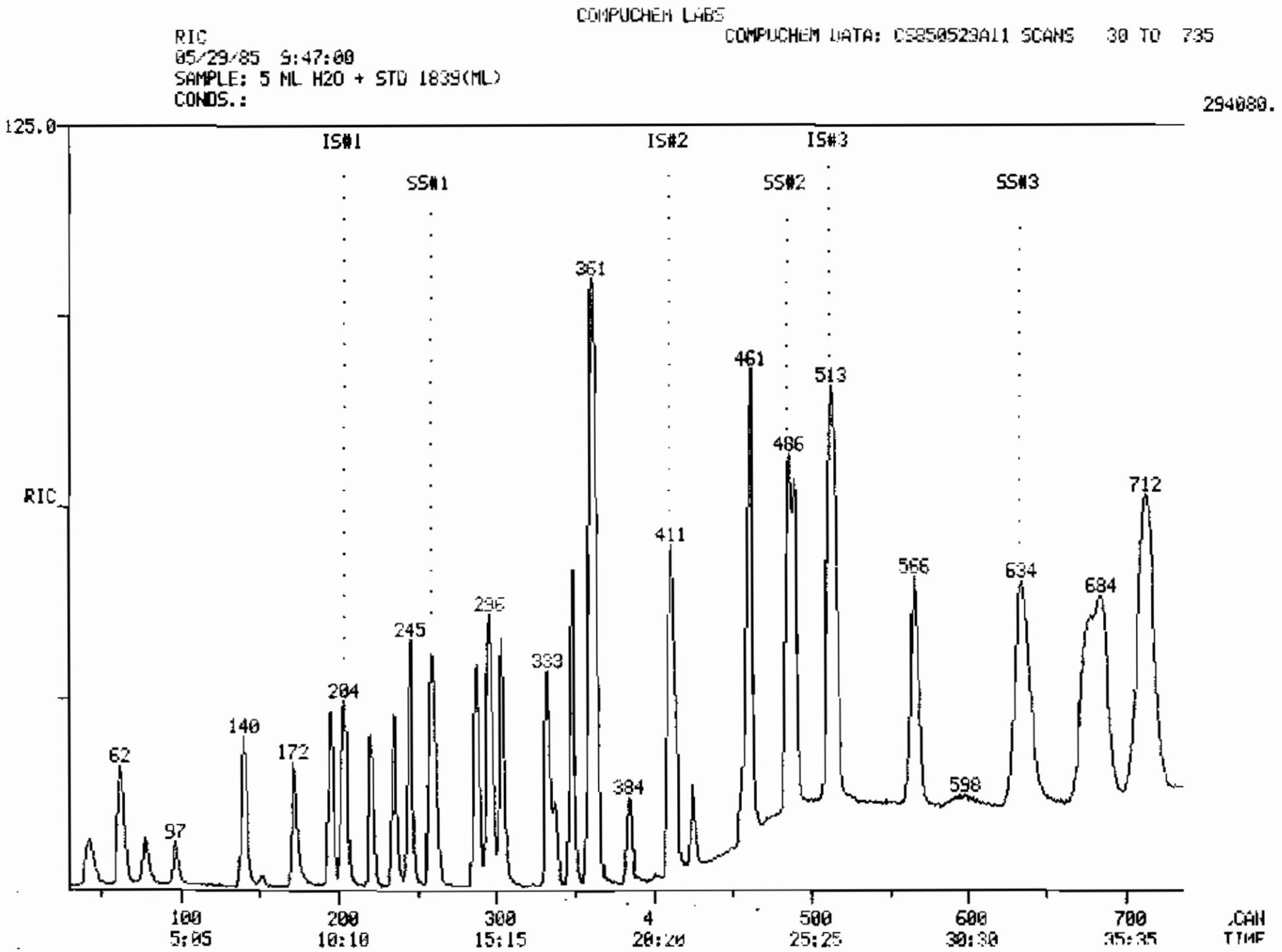
COMPUCHEM LABS
RIC
05/29/85 9:47:00
SAMPLE: 5 ML H2O + STD 1839(ML)
CONDS.:
COMPUCHEM DATA: CS850523A11 SCANS 30 TO 735
294080.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
62
97
140
172
204
245
296
333
361
384
411
461
486
513
566
598
634
684
712
100
5:05
200
10:10
300
15:15
4
20:20
500
25:25
600
30:30
700
35:35
SCAN
TIME

PROCEDURE: RR
DATA FILE: CS850529A11
REFERENCE: E237
METHOD: E237 INITIALIIATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	80	42	36	1	72	E237S/E237U

42 COMPOUNDS PROCESSED, 36 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-200	204	204	.	1	987	.	128	203	-1	1
2	E2	1	-407	411	410	-1	1	989	.	114	410	.	1
3	E3	1	-508	512	512	.	1	978	.	117	512	.	1
4	E1	2	-39	42	43	1	1	974	.	50	43	.	1
5	E1	3	-59	62	62	.	1	941	.	94	62	.	1
6	E1	4	-75	78	78	.	1	981	.	62	77	-1	1
7	E1	5	-95	98	97	-1	1	971	.	64	97	.	1
8	E1	6	-138	141	140	-1	1	986	.	54	140	.	1
9	E1	7	-150	153	.	.	.	.	.	43	152	.	1
10	E1	8	-169	172	172	.	1	988	.	76	172	.	1
11	E1	9	-192	195	196	1	1	992	.	96	195	-1	1
12	E1	10	-218	221	221	.	1	994	.	63	221	.	1
13	E1	11	-232	235	235	.	1	988	.	96	235	.	1
14	E1	12	-242	245	245	.	1	971	.	83	245	.	1
15	E1	13	-257	260	261	1	1	974	.	62	261	.	1
16	E2	2	-256	259	259	.	1	943	.	72	259	.	1
17	E2	3	-284	287	288	1	1	984	.	97	288	.	1
	E2	4	-292	295	295	.	1	992	.	117	295	.	1
19	E2	5	-294	297	298	1	1	959	.	43	298	.	1
20	E2	6	-300	303	304	1	1	986	.	53	304	.	1
21	E2	7	-329	332	333	1	1	990	.	63	333	.	1
22	E2	8	-334	337	337	.	1	990	.	75	337	.	1
23	E2	9	-345	349	348	-1	1	986	.	130	348	.	1
24	E2	10	-356	360	.	.	.	.	.	129	359	.	1
25	E2	11	-355	362	362	.	1	994	.	97	362	.	1
26	E2	12	-356	360	360	.	1	992	.	78	360	.	1
27	E2	13	-359	363	362	-1	1	966	.	75	363	1	1
28	E2	14	-381	385	384	-1	1	991	.	63	384	.	1
29	E2	15	-410	414	413	-1	1	961	.	173	413	.	1
30	E3	2	-422	426	425	-1	1	944	.	43	425	.	1
31	E3	3	-453	457	456	-1	1	925	.	43	456	.	1
32	E3	4	-458	462	461	-1	1	970	.	164	461	.	1
33	E3	5	-456	460	.	.	.	.	.	83	459	.	1
34	E3	6	-486	490	489	-1	1	990	.	92	489	.	1
35	E3	7	-511	515	515	.	1	983	.	112	515	.	1
36	E3	8	-561	565	566	1	1	991	.	106	566	.	1
37	E3	9	-669	673	.	.	.	.	.	104	675	.	1
38	E3	10	-677	681	.	.	.	.	.	106	.	.	.
39	E3	11	-705	709	.	.	.	.	999	106	.	.	.
40	E4	2	-255	258	259	1	1	981	.	65	259	.	1
41	E4	3	-627	631	633	2	1	978	.	95	633	.	1
42	E4	4	-482	486	485	-1	1	987	.	98	485	.	1

QUANTITATION REPORT FILE: CS850529A11

DATA: CS850529A11.TI
05/29/85 9:47:00
SAMPLE: 5 ML H2O + STD 1839(ML)
( )S. :
S. MITTED BY: 11 ANALYST: 577

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	228 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROPORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMOOICHLOROMETHANE
	217 1,2-DICHLOROPROPANE
	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROHOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# DB-TOLUENE

5/30/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
	128	203	10:19	1	1.000	A BB	39E27.	50.000 UG/L	2.20
	50	43	2:11	1	0.212	A BB	52886.	54.445 UG/L	2.40

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	62	3:09	1	0.305	A BB	70622.	52.938	UG/L	2.33
4	62	77	3:55	1	0.379	A BB	49986.	48.992	UG/L	2.16
5	64	97	4:56	1	0.478	A BB	26770.	52.332	UG/L	2.31
	84	140	7:07	1	0.690	A BV	54723.	46.139	UG/L	2.03
7	43	152	7:44	1	0.749	A BB	11383.	80.049	UG/L	3.53
8	76	172	8:45	1	0.847	A BB	152502.	54.582	UG/L	2.40
9	96	195	9:55	1	0.961	A BB	49571.	48.593	UG/L	2.14
10	63	221	11:14	1	1.089	A BB	89627.	49.328	UG/L	2.17
11	96	235	11:57	1	1.158	A BB	51265.	47.011	UG/L	2.07
12	83	245	12:27	1	1.207	A BV	131465.	49.954	UG/L	2.20
13	62	261	13:16	1	1.286	A BB	87348.	53.739	UG/L	2.37
14	114	410	20:50	14	1.000	A BB	167780.	50.000	UG/L	2.20
15	72	259	13:10	14	0.632	A BB	4452.	68.525	UG/L	3.02
16	97	288	14:38	14	0.702	A BB	104112.	51.538	UG/L	2.27
17	117	295	15:00	14	0.720	A VB	103873.	51.281	UG/L	2.26
18	43	298	15:09	14	0.727	A BB	89994.	76.305	UG/L	3.36
19	83	304	15:27	14	0.741	A BV	117314.	47.150	UG/L	2.08
20	63	333	16:56	14	0.812	A BB	54052.	46.553	UG/L	2.05
21	75	337	17:08	14	0.822	A BB	36138.	49.761	UG/L	2.19
22	130	348	17:41	14	0.849	A BV	70224.	47.149	UG/L	2.08
23	129	359	18:15	14	0.876	A BB	96304.	45.053	UG/L	1.99
24	97	362	18:24	14	0.883	A VB	59121.	48.862	UG/L	2.15
25	78	360	18:18	14	0.878	A BV	146231.	45.439	UG/L	2.00
26	75	363	18:27	14	0.885	A BV	113558.	49.107	UG/L	2.16
27	63	384	19:31	14	0.937	A BB	27679.	48.153	UG/L	2.12
28	173	413	21:00	14	1.007	A BB	51705.	38.218	UG/L	1.68
29	117	512	26:02	29	1.000	A BB	145814.	50.000	UG/L	2.20
30	43	425	21:36	29	0.830	A BB	39044.	67.025	UG/L	2.95
	43	456	23:11	29	0.891	A BB	23990.	65.102	UG/L	2.87
	164	461	23:26	29	0.900	A BB	64095.	44.033	UG/L	1.94
33	83	459	23:20	29	0.896	A BB	63993.	43.638	UG/L	1.92
34	92	489	24:51	29	0.955	A BV	105977.	47.803	UG/L	2.11
35	112	515	26:11	29	1.006	A BB	145418.	48.840	UG/L	2.15
36	106	566	28:46	29	1.105	A BB	66941.	48.549	UG/L	2.14
37	104	675	34.19	29	1.318	A BB	164972.	61.884	UG/L	2.73
38	106	685	34:49	29	1.338	A BB	99642.	62.561	UG/L	2.76
39	106	712	36:12	29	1.391	A BB	176135.	116.871	UG/L	5.15
40	65	259	13.10	1	1.276	A BB	89780.	56.857	UG/L	2.51
41	95	633	32:11	29	1.236	A BB	137183.	50.424	UG/L	2.22
42	98	485	24:39	1	2.389	A BB	178098.	54.858	UG/L	2.42

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	10:10	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:59	1.10	10.000	0.02	54.44	50.00	1.328	1.219	1.09
3	3:00	1.05	10.000	0.03	52.94	50.00	1.773	1.675	1.06
4	3:49	1.03	10.000	0.04	48.99	50.00	1.230	1.255	0.98
5	4:50	1.02	10.000	0.05	52.33	50.00	0.672	0.642	1.05
6	7:01	1.01	5.000	0.14	46.14	50.00	1.374	1.489	0.92
7	7:37	1.01	10.000	0.07	80.05	50.00	0.286	0.179	1.60
8	8:35	1.02	5.000	0.17	54.58	50.00	3.829	3.508	1.09
9	9:46	1.02	5.000	0.19	48.59	50.00	1.245	1.281	0.97
10	11:05	1.01	5.000	0.22	49.33	50.00	2.250	2.281	0.99
11	11:48	1.01	5.000	0.23	47.01	50.00	1.287	1.369	0.94
12	12:18	1.01	5.000	0.24	49.95	50.00	3.301	3.304	1.00
	13:04	1.02	5.000	0.26	53.74	50.00	2.193	2.041	1.07
-	20:41	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	13:01	1.01	10.000	0.06	68.53	50.00	0.027	0.019	1.37
16	14:26	1.01	5.000	0.14	51.54	50.00	0.621	0.602	1.03
17	14:51	1.01	5.000	0.14	51.28	50.00	0.619	0.604	1.03
	14:57	1.01	10.000	0.07	76.30	50.00	0.536	0.351	1.53
19	15:15	1.01	5.000	0.15	47.15	50.00	0.699	0.741	0.94
20	16:43	1.01	5.000	0.16	46.55	50.00	0.322	0.346	0.93
21	16:59	1.01	5.000	0.16	49.76	50.00	0.215	0.216	1.00
22	17:32	1.01	5.000	0.17	47.15	50.00	0.419	0.444	0.94
23	18:06	1.01	5.000	0.18	45.05	50.00	0.574	0.637	0.90
24	18:12	1.01	5.000	0.18	48.86	50.00	0.352	0.361	0.98
25	18:06	1.01	5.000	0.18	45.44	50.00	0.872	0.959	0.91
26	18:15	1.01	5.000	0.18	49.11	50.00	0.677	0.689	0.98
27	19:22	1.01	10.000	0.09	48.15	50.00	0.165	0.171	0.96
28	20:50	1.01	5.000	0.20	38.22	50.00	0.308	0.403	0.76
29	25:49	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:27	1.01	10.000	0.08	67.03	50.00	0.268	0.200	1.34
31	23:02	1.01	10.000	0.09	65.10	50.00	0.165	0.126	1.30
32	23:17	1.01	5.000	0.18	44.03	50.00	0.440	0.499	0.88
33	23:11	1.01	5.000	0.18	43.64	50.00	0.439	0.503	0.87
34	24:42	1.01	5.000	0.19	47.80	50.00	0.727	0.760	0.96
35	25:59	1.01	5.000	0.20	48.84	50.00	0.997	1.021	0.98
36	28:31	1.01	5.000	0.22	48.55	50.00	0.459	0.473	0.97
37	34:00	1.01	5.000	0.26	61.88	50.00	1.131	0.914	1.24
38	34:25	1.01	5.000	0.27	62.56	50.00	0.683	0.546	1.25
39	35:50	1.01	5.000	0.28	116.87	100.00	0.604	0.517	1.17
40	12:58	1.02	10.000	0.13	56.86	50.00	2.254	1.982	1.14
41	31:52	1.01	10.000	0.12	50.42	50.00	0.941	0.933	1.01
42	24:30	1.01	10.000	0.24	54.86	50.00	4.472	4.076	1.10

CompuChem Laboratories, Inc.
GC/MS Analysis Log

Initial Time of Tune 7:29
Time Tune Expires 19:29

Shift(s) (A) ___ (B) ___ (C) ___
Date 5/29/85
Analysis Type 624

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		BF8505294 CH		5/29/85	6:59			2ml	812		115	14694 174,176
2		BF8505294CH		〃	7:18			2ml	812	—	115	14684
3		CBB505294CH		〃	7:47	deleted		5ml	812		115	14732, 14734 Disk Error
4		CBB505294BN OK		〃	8:47			5ml	SM		115	
5		CB505294BH OK		〃	9:48			5ml	SM		115	STD 1835 (ml)
6		CNO 49944BN		〃	10:54	HB1	Control	5ml	SM		115	
7		CNO 51338BN		〃	11:49	BD076	4420	5ml	SM		115	
8		CNO49945BN		〃	12:33	HB2	Control	5ml	SM		115	
9		CNO51349BH		〃	13:15	BD077	4420	5ml	SM		115	
10		CNO 51350 BH		〃	13:59	BD077	4420	5ml	SM		115	
11		CNO 51351BH		〃	14:45	BD079	4420	5ml	SM		115	
12		CNO51347BH		〃	15:45	SS	4420	5ml	SM		115	SS of 51351
13		CNO51348BH		〃	16:39	SS	4420	5ml	SM		115	SS of 51351
14		CNO51870BH		〃	17:39	HB#1	4420	5ml	SM		115	
15	X	CNO51470 BH		〃	8:25	AB300	4396	5ml	SM	deleted	115	acquisition stopped, auto/disk
16		CNO51470 BH		〃	9:15	AB300	4396	5ml	SM		115	
17					:							
18				〃	:							
19				〃	:							
20				5/29/85								
21												
22				M	O							
23												
24	*			〃	:							
25				〃	:							
26	*			〃	:							

5/30/85

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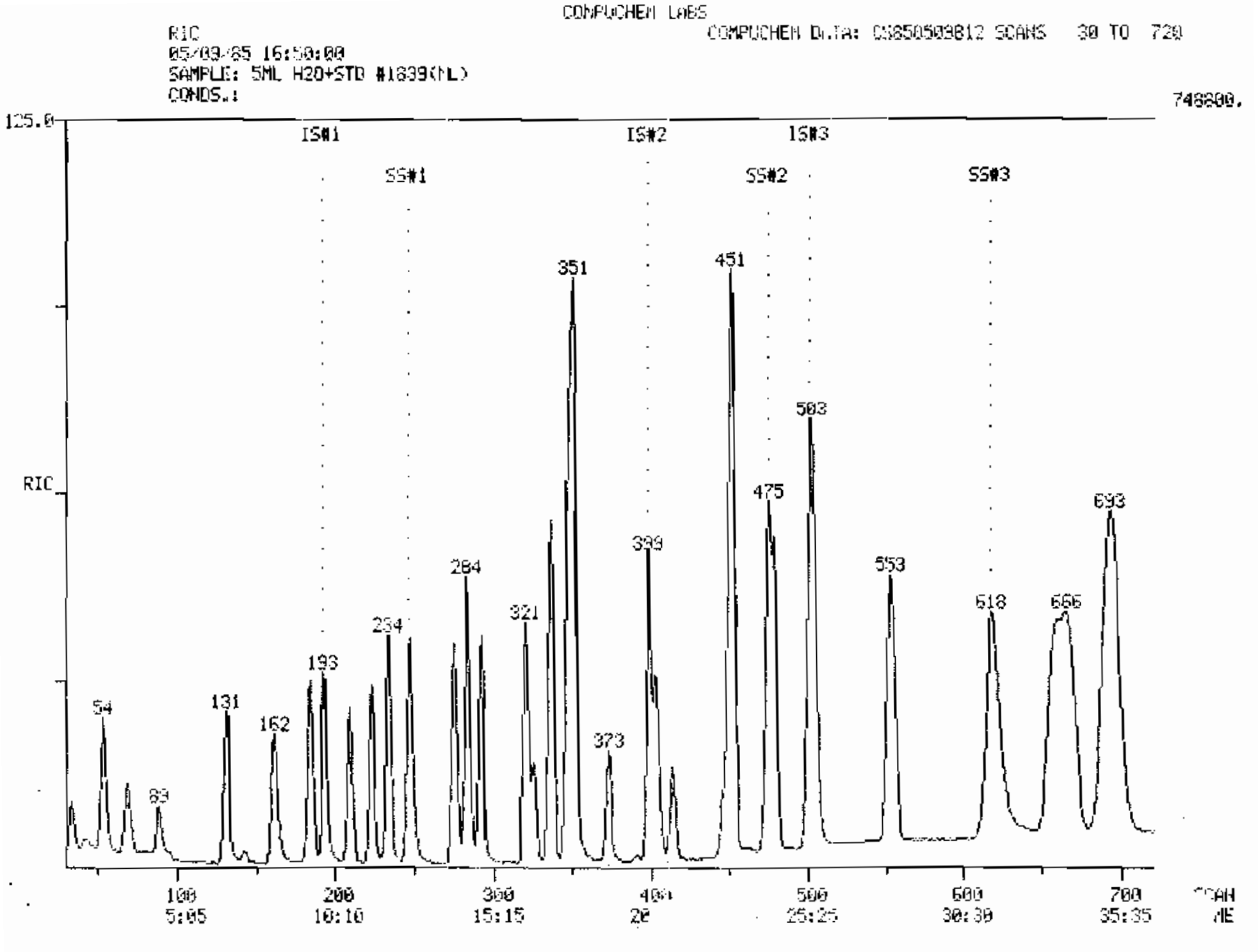
COMPUCHEM LABS
RIC
05/09/85 16:50:00
SAMPLE: 5ML H2O+STD #1839(NL)
CONDS.:
COMPUCHEM DATA: CS850509B12 SCANS 30 TO 720
748800.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
54
83
131
162
193
234
284
321
351
373
399
451
475
503
553
618
666
693
100
5:05
200
10:10
300
15:15
400
20
500
25:25
600
30:30
700
35:35
SCAN
ME

PROCEDURE: RE
DATA FILE: CS850509B12
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	26	42	40	1	71	E237S/E237U

42 COMPOUNDS PROCESSED, 40 FOUND

COMPOUND			SEARCH					SAT		CHRQ			
NO	LIB	ENTRY	REF	PREO	SEL	DELTA	PEAKS	FIT	PEAKS	R/E	TOP	DELTA	PEAKS
1	E1	1	-197	193	193	.	1	963	.	125	193		.
2	E2	1	-404	399	399	.	1	993	.	114	399	.	1
3	E3	1	-506	501	501	.	1	972	.	117	501	.	1
4	E1	2	-38	34	34	.	1	967	.	50	34		1
5	E1	3	-57	53	54	1	1	949	.	94	54	.	1
6	E1	4	-72	68	69	1	1	976	.	62	69	.	1
7	E1	5	-91	87	89	2	1	957	.	64	89	.	1
8	E1	6	-134	130	131	1	1	967	.	84	131	.	1
9	E1	7	-145	141	142	1	1	933	.	43	143	1	1
10	E1	8	-165	161	162	1	1	990	.	76	162	.	1
11	E1	9	-189	185	185	.	1	989	.	96	185	.	1
12	E1	10	-214	210	210	.	1	993	.	63	210	.	1
13	E1	11	-228	224	224	.	1	988	.	96	224	.	1
14	E1	12	-239	235	234	-1	1	980	.	83	234	.	1
15	E1	13	-254	250	249	-1	1	938	.	62	249	.	1
16	E2	2	-252	248	247	-1	1	988	.	72	247	.	1
17	E2	3	-281	277	276	-1	1	962	.	97	276	.	1
18	E2	4	-289	285	284	-1	1	990	.	117	284	.	1
19	E2	5	-290	286	285	-1	1	969	.	43	285	.	1
20	E2	6	-298	294	293	-1	1	986	.	83	293	.	1
21	E3	7	-326	321	321	.	1	993	.	63	321		
22	E2	8	-331	326	326	.	1	983	.	75	326	.	1
23	E2	9	-342	337	337	.	1	978	.	130	337	.	1
24	E2	10	-354	349	.	.	.	.	.	129	349	.	1
25	E3	11	-356	351	351	.	1	993	.	97	351	.	1
26	E2	12	-353	348	348	.	1	993	.	78	347	-1	1
27	E2	13	-357	352	351	-1	1	971	.	75	351	.	1
28	E2	14	-378	373	373	.	1	988	.	63	373	.	1
29	E2	15	-409	404	403	-1	1	966	.	173	403	.	1
30	E3	2	-419	414	414	.	1	951	.	43	414	.	1
31	E3	3	-451	446	446	.	1	920	.	43	446	.	1
32	E3	4	-456	451	452	1	1	947	.	164	451	-1	1
33	E3	5	-455	450	.	.	.	.	.	83	450	.	1
34	E3	6	-484	479	479	.	1	991	.	92	479	.	1
35	E3	7	-509	504	504	.	1	982	.	112	504	.	1
36	E3	8	-558	553	553	.	1	989	.	106	553	.	1
37	E3	9	-663	657	659	2	1	989	.	104	658	-1	1
38	E3	10	-672	666	666	.	1	988	.	106	667	1	1
39	E3	11	-699	693	694	1	1	990	.	106	694	.	1
40	E4	2	-252	248	247	-1	1	980	.	65	247	.	1
41	E4	3	-623	617	618	1	1	994	.	95	618	.	1
42	E4	4	-480	475	475	.	1	988	.	98	475	.	1

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	12:46	0.98	10.000	0.06	81.84	50.00	0.025	0.015	1.64
16	14:14	0.99	5.000	0.14	61.99	50.00	0.515	0.416	1.24
17	14:35	0.99	5.000	0.14	63.70	50.00	0.546	0.429	1.27
18	14:41	0.99	10.000	0.07	67.87	50.00	0.417	0.307	1.36
19	15:03	0.99	5.000	0.15	62.79	50.00	0.596	0.475	1.26
20	16:31	0.99	5.000	0.16	62.82	50.00	0.335	0.267	1.26
21	16:46	0.99	5.000	0.16	61.46	50.00	0.234	0.190	1.23
22	17:20	0.99	5.000	0.17	70.43	50.00	0.490	0.348	1.41
23	17:57	0.99	5.000	0.17	70.36	50.00	0.541	0.384	1.41
24	18:03	0.99	5.000	0.18	73.07	50.00	0.303	0.207	1.46
25	17:51	0.99	5.000	0.17	66.01	50.00	0.676	0.512	1.32
26	18:03	0.99	5.000	0.18	66.58	50.00	0.638	0.479	1.33
27	19:10	0.99	10.000	0.09	65.38	50.00	0.190	0.146	1.31
28	20:41	0.99	5.000	0.20	65.88	50.00	0.467	0.355	1.32
29	25:40	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:15	0.99	10.000	0.08	68.98	50.00	0.289	0.210	1.38
31	22:49	0.99	10.000	0.09	73.16	50.00	0.188	0.129	1.46
32	23:11	0.99	5.000	0.18	64.95	50.00	0.538	0.414	1.30
33	23:05	0.99	5.000	0.18	74.07	50.00	0.486	0.328	1.48
34	24:39	0.99	5.000	0.19	60.03	50.00	0.585	0.487	1.20
35	25:49	0.99	5.000	0.20	62.55	50.00	0.952	0.761	1.25
36	28:19	0.99	5.000	0.22	62.20	50.00	0.507	0.407	1.24
37	33:39	0.99	5.000	0.26	59.74	50.00	1.226	1.026	1.19
38	34:07	0.99	5.000	0.27	58.20	50.00	0.685	0.588	1.16
39	35:29	0.99	5.000	0.28	118.92	100.00	0.659	0.554	1.19
40	12:46	0.98	10.000	0.13	47.50	50.00	1.549	1.631	0.95
41	31:40	0.99	10.000	0.12	49.78	50.00	0.803	0.807	1.00
42	24:21	0.99	10.000	0.25	48.70	50.00	3.561	3.656	0.97

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
3	94	54	2:45	1	0.280	A BV	199696.	60.389 UG/L	2.26
4	62	69	3:30	1	0.358	A BB	162301.	61.653 UG/L	2.31
5	64	89	4:31	1	0.461	A BV	84838.	59.961 UG/L	2.24
6	84	131	6:40	1	0.679	A BV	151824.	62.950 UG/L	2.35
7	43	143	7:16	1	0.741	A BB	29303.	77.225 UG/L	2.89
8	76	162	8:14	1	0.839	A BB	424454.	56.924 UG/L	2.13
9	96	185	9:24	1	0.959	A BV	143817.	59.750 UG/L	2.23
10	63	210	10:40	1	1.088	A BV	250868.	57.626 UG/L	2.16
11	96	224	11:23	1	1.161	A BV	145905.	59.393 UG/L	2.22
12	83	234	11:54	1	1.212	A BB	327921.	58.088 UG/L	2.17
13	62	249	12:39	1	1.290	A BB	209983.	58.683 UG/L	2.19
14	114	399	20:17	14	1.000	A BV	512685.	50.000 UG/L	1.87
15	72	247	12:33	14	0.619	A BB	12602	81 844 UG/L	3 04
16	97	276	14:02	14	0.692	A BV	264205.	61.991 UG/L	2.32
17	117	284	14:26	14	0.712	A VV	279946.	63.696 UG/L	2.38
18	43	285	14:29	14	0.714	A BB	213772.	67.869 UG/L	2.54
19	83	293	14:54	14	0.734	A BB	305495.	62.787 UG/L	2.35
20	63	321	16.19	14	0.823	A BV	171702.	62.816 UG/L	2.35
21	75	326	16:34	14	0.817	A BB	119794.	61.457 UG/L	2.30
22	130	337	17:08	14	0.845	A BV	251209.	70.433 UG/L	2.63
23	129	349	17:44	14	0.875	A BB	277267.	70.365 UG/L	2.63
24	97	351	17:51	14	0.880	A VV	155283.	73.069 UG/L	2.73
25	78	347	17:38	14	0.870	A BB	346733.	66.006 UG/L	2.47
26	75	351	17:51	14	0.880	A BB	326993.	66.385 UG/L	2.49
27	62	373	18:58	14	0.935	A BV	97626.	65.384 UG/L	2.45
28	173	403	20:29	14	1.010	A BV	239632.	65.883 UG/L	2.46
29	117	501	25:28	29	1.000	A BB	467399.	50.000 UG/L	1.87
30	43	414	21:03	29	0.826	A BV	135191.	68.982 UG/L	2.58
31	43	446	22:40	29	0.890	A BB	88055.	73.156 UG/L	2.74
32	164	451	22:56	29	0.900	A BV	251475.	64.945 UG/L	2.43
33	83	450	22:52	29	0.898	A BV	226923.	74.070 UG/L	2.77
34	92	479	24:21	29	0.956	A BV	273458.	60.028 UG/L	2.24
35	112	504	25:37	29	1.006	A BV	444742.	62.354 UG/L	2.34
36	106	553	28:07	29	1.104	A BB	236892.	62.203 UG/L	2.33
37	104	658	33:27	29	1.313	A BB	572929.	59.744 UG/L	2.23
38	106	667	33:54	29	1.331	A BB	319987.	58.201 UG/L	2.18
39	106	694	35:17	29	1.385	A BB	615581.	118.921 UG/L	4.45
40	65	247	12:33	1	1.280	A BV	209830.	47.501 UG/L	1.78
41	95	618	31:25	29	1.234	A BB	375403.	49.775 UG/L	1.86
42	98	475	24:09	1	2.461	A BB	482336.	48.702 UG/L	1.82

NO	RBT(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:58	0.98	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:53	0.92	10.000	0.02	62.44	50.00	0.880	0.705	1.25
3	2:54	0.95	10.000	0.03	60.39	50.00	1.474	1.221	1.21
4	3:40	0.96	10.000	0.04	61.65	50.00	1.198	0.972	1.23
5	4:38	0.98	10.000	0.05	59.96	50.00	0.626	0.522	1.20
6	6:49	0.98	5.000	0.14	62.95	50.00	1.121	0.890	1.26
7	7:22	0.99	10.000	0.07	77.23	50.00	0.216	0.140	1.54
8	8:20	0.99	5.000	0.17	56.92	50.00	3.133	2.752	1.14
9	9:33	0.98	5.000	0.19	59.75	50.00	1.062	0.888	1.19
10	10:50	0.99	5.000	0.22	57.63	50.00	1.852	1.607	1.15
11	11:32	0.99	5.000	0.23	59.39	50.00	1.077	0.907	1.19
12	12:06	0.98	5.000	0.24	58.09	50.00	2.421	2.084	1.16
13	12:52	0.98	5.000	0.26	58.68	50.00	1.550	1.321	1.17
14	20:29	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00

DATA: CSS50509B12.TI
05/09/85 16:50:00
SAMPLE: 5ML H2O+STD #1839(ML)
CNDS. :
SUBMITTED BY: 12 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* DS CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLORDETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# DB-TOLUENE

M.O 5/9/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	193	9:49	1	1.000	A BB	135458.	50.000 UG/L	1.87
!	50	34	1:44	1	0.176	A BB	119207.	62.444 UG/L	2.34

CompuChem Laboratories, Inc.
GC/MS Analysis Log

9:11
Initial Time of Tune 6:51
Time Tune Expires ~~18:51~~ 22:11

Shift(s) (A) (B) (C)
Date 5/9/85
Analysis Type ~~20~~ 237

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, D
1	X	BFB50509C12		5/9/85	6:40			2ml	BD		122	14587
2	X	VBB50509C12		/ /	6:59			5ml	BD		122	14580, 14582 average
3		~~VBB50509C12~~		/ /	:	Bake 30 min		~~5ml~~				
4	X	VSB50509C12		/ /	7:37			5ml	BD		122	14580, 14582
5				/ /	Continuing to 237's							
6	X	BFB50509B12		/ /	:			2ml	SD		122	14587
7	X	CBB50509B12		/ /	9:32			5ml	SD		122	14580 14582
8		BFB50509B12 (Rec)		/ /	9:11			2ml	SD		122	14587
9	N	CSB50509B12		/ /	10:26			5ml	SD		122	STD 1835
10		CCB50509B12		/ /	11:18			5ml	SD		122	14580 14582
11		CTB50509B12		/ /	12:33			5ml	SD		122	STD 1838 (mL) 5
12		CWB50509B12		/ /	13:29			5ml	SD		122	STD 1838 (L) 20
13		CVB50509B12		/ /	14:27			5ml	SD		122	STD 1840 (100)
14		CWB50509B12		/ /	15:15			5ml	SD		122	STD 1841 (150)
15		CXB50509B12		/ /	16:05			5ml	SD		122	STD 1842 200
16		CSSTD509B12		/ /	16:50			5ml	719		122	Std # 839 (mL)
17		CN049803B12		/ /	17:57	50705A	GEN TEST	5ml	719		122	
18		CN049811B12		/ /	18:39	50705F	GEN TEST	5ml	719		122	
19		CN049805B12		/ /	19:21	SS	GEN TEST	5ml	719		122	
20		CN049809B12		/ /	20:03	SS	GEN TEST	5ml	719		122	
21		CN049813B12		/ /	20:58	50705B	" "	5ml	719		122	
22		CN049861B12		/ /	21:38		" "	5ml	719		122	
23				/ /	:							
24				/ /								
25				/ /	5/9/85							
26				/ /								

M O

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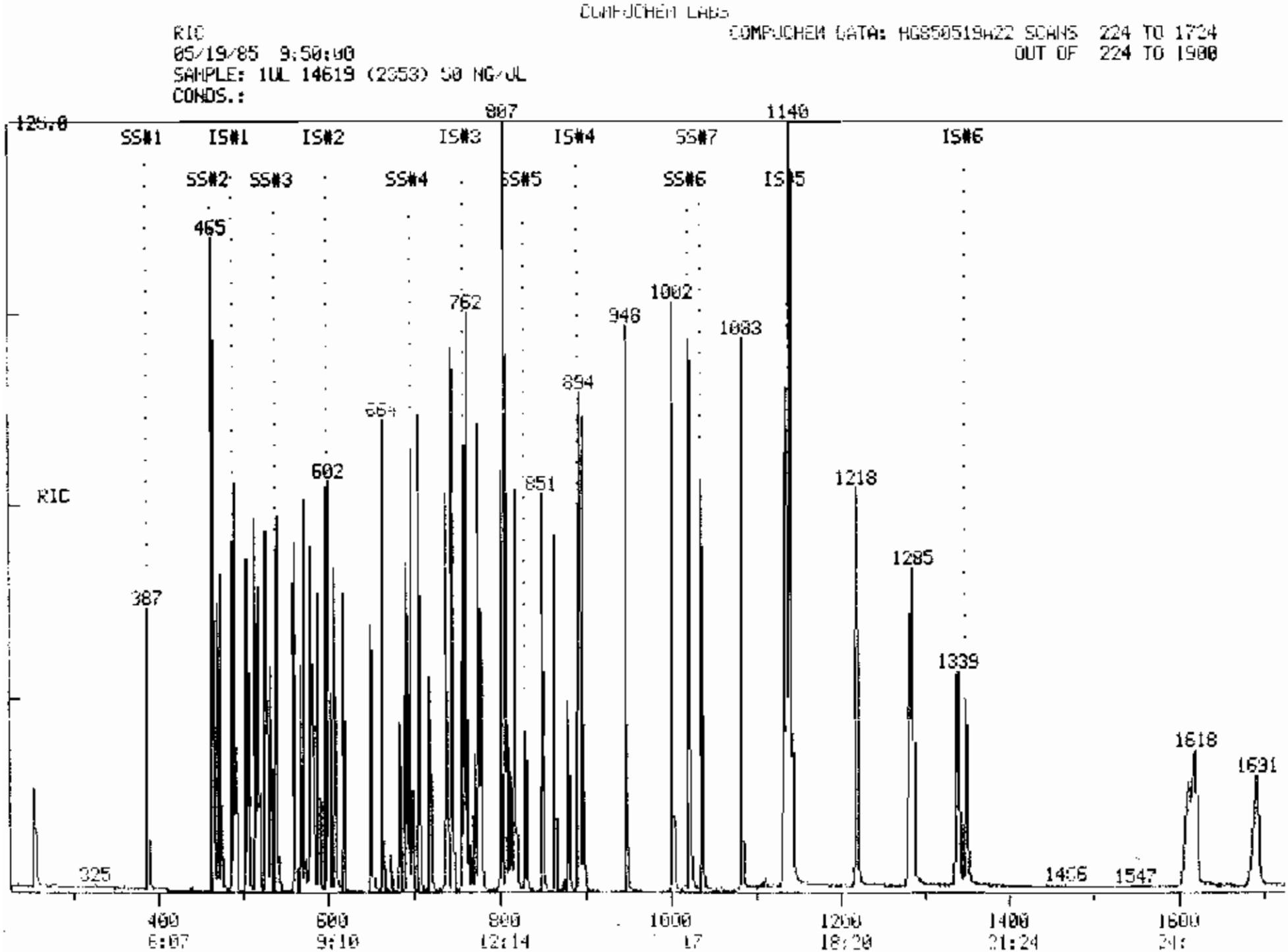
EPA CASE# 47 COMPUCHEM CASE SUMMARY REFERENCE GUIDE REVIEWER

fraction	associated tune	associated shift std	CC #	EPA SMO#	Analysis Date/Name	Voa Inst. blnk	Extract. Date	Assoc. Blk.	Comment
SV	DH85051 9A22	HG85051 9A22	49972	Blk					
			49961	50705G					
			49973	Blk					
			49861	50705-G					
	DH85051 9A22	HG85051 9A22	49973	Blk					
	DH85052 5C07	HG85052 5C07	49805	SS					
			49806	SS					


COMPUCHEM LABS
RIC
05/19/85 9:50:00
SAMPLE: 1UL 14619 (2353) 50 NG/UL
CONDS.:
COMPUCHEM DATA: HGS50519A22 SCANS 224 TO 1724
OUT OF 224 TO 1900
807
1140
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
465
762
1002
948
1083
894
664
602
851
1218
1285
387
1339
1618
1631
325
1406
1547
RIC
400
6:07
600
9:10
800
12:14
1000
17
1200
18:20
1400
21:24
1600

COMPUCHEM LABS

RIC
05/19/85 9:50:00
SAMPLE: 1UL 14619 (2353) 50 NG/UL
CONDS.:

COMPUCHEM DATA: HG050519A22 SCANS 1724 TO 1900
OUT OF 224 TO 1900

20951000.

1807

1800
27:3

SCAN
TIME

```
    53     35      8     74  SEMI1S1/SEMI1U1
     3      3      2      0     28     26   128     37  SEMI1S2/SEMI1U2

  81 COMPOUNDS PROCESSED.  61 FOUND
```

COMPOUND		SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAK
1	Q1	1	-490	490	490	.	1	962	.	152	490	.	.
2	Q3	1	-759	759	759	.	1	976	.	164	759	.	
3	Q2	1	-601	601	601	.	1	976	.	136	601	.	1
4	Q7	2	-387	387	387	.	1	904	.	112	387	.	1
5	Q1	2	-254	254	.	.	.	.	.	42	254	.	
6	Q1	3	-465	465	.	.	.	.	.	94	465	.	1
7	Q1	4	-466	466	.	.	.	.	.	93	466	.	
8	Q1	5	-471	471	471	.	1	984	.	93	471	.	1
9	Q1	6	-475	475	.	.	.	.	.	128	475	.	.
10	Q1	7	-487	487	487	.	2	941	.	146	487	.	1
11	Q1	8	-491	491	491	.	2	938	.	146	491	.	1
12	Q1	9	-504	504	504	.	1	938	.	108	504	.	
13	Q1	10	-507	507	507	.	1	943	.	146	507	.	1
14	Q1	11	-515	515	515	.	1	899	.	108	515	.	1
15	Q1	12	-518	518	518	.	1	904	.	45	518	.	.
16	Q1	13	-527	527	527	.	1	905	.	108	527	.	.
17	Q1	14	-529	529	.	.	.	.	.	70	529	.	.
18	Q1	15	-534	534	534	.	1	940	.	117	534	.	1
19	Q1	16	-541	541	541	.	1	916	.	77	541	.	1
20	Q2	2	-562	562	.	.	.	.	.	82	562	.	1
21	Q2	3	-569	569	.	.	.	.	.	139	569	.	1
22	Q2	4	-573	573	573	.	1	923	.	122	573	.	
23	Q2	5	-583	583	.	.	.	.	.	122	583	.	1
24	Q2	6	-582	582	582	.	1	979	.	93	582	.	
25	Q2	7	-589	589	589	.	1	933	.	162	589	.	.
26	Q2	8	-597	597	597	.	1	946	.	180	597	.	1
27	Q2	9	-602	602	603	1	1	961	.	128	602	-1	
28	Q2	10	-609	609	.	.	.	.	.	127	609	.	.
29	Q2	11	-619	619	.	.	.	.	.	225	619	.	.
30	Q2	12	-651	651	651	.	1	904	.	107	651	.	1
31	Q2	13	-664	664	664	.	2	956	.	142	664	.	.
32	Q3	2	-684	684	.	.	.	.	.	237	684	.	.
33	Q3	3	-694	694	691	-3	1	962	.	196	694	3	.
34	Q3	4	-694	694	691	-3	1	934	.	196	694	3	2
35	Q3	5	-707	707	707	.	1	991	.	162	707	.	1
36	Q3	6	-719	719	.	.	.	.	.	65	719	.	1
37	Q3	7	-738	738	738	.	1	996	.	163	738	.	.
38	Q3	8	-745	745	745	.	1	987	.	152	745	.	1
39	Q3	9	-718	718	.	.	.	.	.	138	718	.	1
40	Q3	10	-762	762	762	.	1	963	.	153	762	.	.
41	Q3	11	-765	765	.	.	.	.	.	184	765	.	1
42	Q3	12	-776	776	.	.	.	.	.	139	776	.	1
43	Q3	13	-776	776	776	.	1	987	.	168	776	.	1
44	Q3	14	-779	779	779	.	1	919	.	89	779	.	2
45	Q3	15	-744	744	744	.	1	929	.	165	744	.	1
46	Q3	16	-802	802	.	.	.	.	.	149	802	.	1
47	Q3	17	-807	807	807	.	1	910	.	204	807	.	1
48	Q3	18	-807	807	807	.	1	950	.	166	807	.	1
49	Q3	19	-811	811	.	.	.	.	.	136	811	.	
50	Q7	3	-464	464	.	.	.	.	.	99	464	.	1
51	Q7	4	-539	539	539	.	1	954	.	82	539	.	1
52	Q7	5	-698	698	698	.	1	964	.	172	698	.	1
53	Q7	6	-830	830	830	.	1	900	.	141	830	.	1
54	Q4	1	-891	891	891	.	1	952	.	188	891	.	1
55	Q5	1	-1137	1137	1137	.	1	947	.	240	1137	.	1

57	04	2	-818	818	.	.	.	.	.	169	818	.
58	04	3	-818	818	818	.	1	905	.	169	818	.
59	04	4	-850	850	851	1	1	917	.	248	850	-1
60	04	5	-864	864	864	.	1	921	.	264	864	.
61	04	6	-880	880	880	.	1	962	.	266	880	.
62	04	7	-894	894	894	.	2	979	.	178	894	.
63	04	8	-898	898	898	.	2	961	.	178	898	.
64	04	9	-948	948	948	.	1	958	.	149	948	.
65	04	10	-1002	1002	1002	.	1	954	.	202	1002	.
66	05	2	-1021	1021	.	.	.	.	.	184	1021	.
67	05	3	-1023	1023	1023	.	1	967	.	202	1023	.
68	05	4	-1083	1083	1083	.	1	974	.	149	1083	.
69	05	5	-1132	1132	1132	.	1	986	.	252	1132	.
70	05	6	-1135	1135	1135	.	2	972	.	228	1135	.
71	05	7	-1141	1141	1141	.	1	992	.	149	1141	.
72	05	8	-1140	1140	1140	.	2	977	.	228	1140	.
73	06	2	-1218	1218	1218	.	1	996	.	149	1218	.
74	06	3	-1281	1281	1281	.	2	990	.	252	1281	.
75	06	4	-1285	1285	1285	.	2	987	.	252	1285	.
76	06	5	-1338	1338	1339	1	1	991	.	252	1338	-1
77	06	6	-1610	1610	1611	1	2	986	.	276	1610	-1
78	06	7	-1618	1618	1618	.	1	975	.	278	1618	.
79	06	8	-1690	1690	1690	.	1	979	.	276	1690	.
80	07	7	-1036	1036	1036	.	1	980	.	244	1036	.
81	08	2	-1021	1021	1021	.	1	988	.	212	1021	.

QUANTITATION REPORT FILE: HG850519A22

DATA: HG850519A22.TI
05/19/85 9:50:00
SAMPLE: 1UL 14619 (2353) 50 NG/UL
CONDS. :
SUBMITTED BY: 22 ANALYST: 756

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (01#2) <62-75-9>
3	610 PHENOL (Q1#3) <108-95-2>
4	473 ANILINE (Q1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
6	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (01#8) <106-46-7>
9	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (01#10) <95-50-1>
11	620 2-METHYLPHENOL (Q1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
13	622 4-METHYLPHENOL (Q1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (01#14) <621-64-7>
15	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
16	440 NITROBENZENE (Q1#16) <98-95-3>
17	*** D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (Q2#2) <78-59-1>
19	606 2-NITROPHENOL (Q2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
21	625 BENZOIC ACID (Q2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
25	439 NAPHTHALENE (Q2#9) <91-20-3>
26	475 4-CHLOROANILINE (Q2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (02#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
35	478 2-NITROANILINE (Q3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
37	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
38	479 3-NITROANILINE (03#9) <99-09-2>
39	401 ACENAPHTHENE (Q3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
41	607 4-NITROPHENOL (03#12) <100-02-7>
42	476 DIBENZOFURAN (Q3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (Q3#18) <86-73-7>
48	480 4-NITROANILINE (Q3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
55	444 PHENANTHRENE (Q4#7) <85-01-8>
56	403 ANTHRACENE (Q4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
58	431 FLUORANTHENE (Q4#10) <206-44-0>
59	*** D12-CHRYSENE (IS#5)
60	404 BENZIDINE (Q5#2) <92-87-5>
61	445 PYRENE (Q5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
66	418 CHRYSENE (Q5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
71	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
75	### 2-FLUOROPHENOL (SS#1)
76	### D5-PHENOL (SS#2)
77	### D5-NITROBENZENE (SS#3)
78	### 2-FLUOROBIPHENYL (SS#4)
79	### 2,4,6-TRIBROMOPHENOL (SS#5)
80	### D14-TERPHENYL (SS#6)
81	### D10 PYRENE

BAL 5/19/85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	490	7:29	1	1.000	A BE	1308150.	40.000 NG	0.96
2	42	254	3:53	1	0.518	A*BV	2118050.	50.000 NG	1.22
3	94	465	7:06	1	0.949	A BB	3223550.	50.000 NG	1.22
4	93	466	7:07	1	0.951	A BV	3966070.	50.000 NG	1.22
5	93	471	7:12	1	0.961	A VV	3389880.	50.000 NG	1.22
6	128	475	7:16	1	0.969	A BV	2617690.	50.000 NG	1.22
7	146	487	7:27	1	0.994	A BV	2636670.	50.000 NG	1.22
8	146	491	7:30	1	1.002	A VV	2681820.	50.000 NG	1.22
9	108	504	7:42	1	1.029	A BV	1827450.	50.000 NG	1.22
10	146	507	7:45	1	1.035	A VV	2645400.	50.000 NG	1.22
11	108	515	7:52	1	1.051	A VV	2502350.	50.000 NG	1.22
12	45	518	7:55	1	1.057	A BV	7310200.	50.000 NG	1.22
13	108	527	8:03	1	1.076	A VV	2693460.	50.000 NG	1.22
14	70	529	8:05	1	1.080	A BV	2922300.	50.000 NG	1.22
15	117	534	8:10	1	1.090	A BB	1267160.	50.000 NG	1.22
16	77	541	8:16	1	1.104	A VV	3651170.	50.000 NG	1.22
17	136	601	9:11	17	1.000	A BV	4924630.	40.000 NG	0.98
18	82	562	8:35	17	0.935	A VV	7287230.	50.000 NG	1.22
19	139	569	8:42	17	0.947	A BV	1246910.	50.000 NG	1.22

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	573	8:45	17	0.953	A VV	2204670.	50.000	NG	1.22
21	122	583	8:55	17	0.970	A VV	1803160.	50.000	NG	1.22
22	93	582	8:54	17	0.968	A BV	3769950.	50.000	NG	1.22
23	162	589	9:00	17	0.980	A BV	1883100.	50.000	NG	1.22
24	180	597	9:07	17	0.993	A BB	2064220.	50.000	NG	1.22
25	128	602	9:12	17	1.002	A BV	6828570.	50.000	NG	1.22
26	127	609	9:18	17	1.013	A VV	3078910.	50.000	NG	1.22
27	225	619	9:28	17	1.030	A BB	1081020.	50.000	NG	1.22
28	107	651	9:57	17	1.083	A BV	2657850.	50.000	NG	1.22
29	142	664	10:09	17	1.105	A VV	4526200.	50.000	NG	1.22
30	164	759	11:36	30	1.000	A BV	2830200.	40.000	NG	0.98
31	237	684	10:27	30	0.901	A BB	837696.	50.000	NG	1.22
32	196	694	10:36	30	0.914	A*BV	2636860.	100.000	NG	2.44
33	196	694	10:36	30	0.914	A*BV	2636860.	100.000	NG	2.44
34	162	707	10:48	30	0.931	A BV	4141080.	50.000	NG	1.22
35	65	719	10:59	30	0.947	A BV	2340580.	50.000	NG	1.22
36	163	738	11:17	30	0.972	A BB	5379290.	50.000	NG	1.22
37	152	745	11:23	30	0.982	A BV	6765310.	50.000	NG	1.22
38	138	718	10:59	30	0.946	A BV	1669540	50.000	NG	1.22
39	153	762	11:39	30	1.004	A BB	4612120.	50.000	NG	1.22
40	184	765	11:42	30	1.008	A BV	210080.	50.000	NG	1.22
41	139	776	11:52	30	1.022	A VV	2603740.	50.000	NG	1.22
42	168	776	11:52	30	1.022	A BV	6004510.	50.000	NG	1.22
43	89	779	11:54	30	1.026	A*VB	1754300.	50.000	NG	1.22
44	165	744	11:22	30	0.980	A VV	1099740.	50.000	NG	1.22
45	149	802	12:15	30	1.057	A BV	5797630.	50.000	NG	1.22
46	204	807	12:20	30	1.063	A BV	3070230.	50.000	NG	1.22
47	166	807	12:20	30	1.063	A VV	4852830.	50.000	NG	1.22
48	138	811	12:24	30	1.069	A VV	1271830.	50.000	NG	1.22
49	188	891	13:37	49	1.000	A BV	5315670.	40.000	NG	0.98
50	198	815	12:27	49	0.915	A BV	505312.	50.000	NG	1.22
51	169	818	12:30	49	0.918	A BV	2944380.	50.000	NG	1.22
52	248	850	13:00	49	0.954	A BB	1334090.	50.000	NG	1.22
53	284	864	13:12	49	0.970	A BB	1777240.	50.000	NG	1.22
54	266	880	13:27	49	0.988	A BV	724032.	50.000	NG	1.22
55	178	894	13:40	49	1.003	A BV	7144030.	50.000	NG	1.22
56	178	898	13:44	49	1.008	A VV	6326430.	50.000	NG	1.22
57	149	948	14:29	49	1.064	A VV	10087500.	50.000	NG	1.22
58	202	1002	15:19	49	1.125	A VV	7681080.	50.000	NG	1.22
59	240	1137	17:23	59	1.000	A BV	4498970.	40.000	NG	0.98
60	184	1021	15:36	59	0.898	A VB	73440.	50.000	NG	1.22
61	202	1023	15:38	59	0.900	A VV	7696350.	50.000	NG	1.22
62	149	1083	16:33	59	0.953	A BV	4323770.	50.000	NG	1.22
63	252	1132	17:18	59	0.996	A BV	1679450.	50.000	NG	1.22
64	228	1135	17:21	59	0.998	A VV	7318590.	50.000	NG	1.22
65	149	1141	17:26	59	1.004	A VV	6332920.	50.001	NG	1.22
66	228	1140	17:25	59	1.003	A VV	6763390.	50.000	NG	1.22
67	264	1349	20:37	67	1.000	A BV	4391900.	40.000	NG	0.98
68	149	1218	18:37	67	0.903	A BB	9135100.	50.000	NG	1.22
69	252	1281	19:35	67	0.950	A BV	7261590.	50.000	NG	1.22
70	252	1285	19:38	67	0.953	A VV	6454620.	50.000	NG	1.22
71	252	1338	20:27	67	0.992	A BV	6128740.	50.000	NG	1.22
72	276	1610	24:36	67	1.193	A BV	5561270.	50.000	NG	1.22
73	278	1618	24:44	67	1.199	A BV	5380790.	50.000	NG	1.22
74	276	1690	25:50	67	1.253	A BV	5420130.	50.000	NG	1.22
75	112	387	5:55	1	0.790	A BV	2699250.	50.000	NG	1.22

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	464	7:06	1	0.947	A BV	3806070.	50.000	NC	1.22
77	82	539	8:14	17	0.897	A BV	3237980.	50.000	NC	1.22
78	172	698	10:40	30	0.920	A BV	4402550.	50.000	NC	1.22
79	141	830	12:41	30	1.094	A BV	295264.	50.000	NC	1.22
80	244	1036	15:50	59	0.911	A VV	5599230.	50.000	NC	1.22
81	212	1021	15:36	59	0.898	A VV	7138360.	50.000	NC	1.22

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:29	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:53	1.00	10.000	0.05	50.00	50.00	1.295	1.295	1.00
3	7:06	1.00	10.000	0.09	50.00	50.00	1.971	1.971	1.00
4	7:07	1.00	10.000	0.10	50.00	50.00	2.425	2.425	1.00
5	7:12	1.00	10.000	0.10	50.00	50.00	2.073	2.073	1.00
6	7:16	1.00	10.000	0.10	50.00	50.00	1.601	1.601	1.00
7	7:27	1.00	10.000	0.10	50.00	50.00	1.612	1.612	1.00
8	7:30	1.00	10.000	0.10	50.00	50.00	1.640	1.640	1.00
9	7:42	1.00	10.000	0.10	50.00	50.00	1.118	1.118	1.00
10	7:45	1.00	10.000	0.10	50.00	50.00	1.618	1.618	1.00
11	7:52	1.00	10.000	0.11	50.00	50.00	1.530	1.530	1.00
12	7:55	1.00	10.000	0.11	50.00	50.00	4.471	4.471	1.00
13	8:03	1.00	10.000	0.11	50.00	50.00	1.647	1.647	1.00
14	8:05	1.00	10.000	0.11	50.00	50.00	1.787	1.787	1.00
15	8:10	1.00	10.000	0.11	50.00	50.00	0.775	0.775	1.00
16	8:16	1.00	10.000	0.11	50.00	50.00	2.233	2.233	1.00
17	9:11	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:35	1.00	10.000	0.09	50.00	50.00	1.184	1.184	1.00
19	8:42	1.00	10.000	0.09	50.00	50.00	0.203	0.203	1.00
20	8:45	1.00	10.000	0.10	50.00	50.00	0.358	0.358	1.00
21	8:55	1.00	50.000	0.02	50.00	50.00	0.293	0.293	1.00
22	8:54	1.00	10.000	0.10	50.00	50.00	0.612	0.612	1.00
23	9:00	1.00	10.000	0.10	50.00	50.00	0.306	0.306	1.00
24	9:07	1.00	10.000	0.10	50.00	50.00	0.335	0.335	1.00
25	9:12	1.00	10.000	0.10	50.00	50.00	1.109	1.109	1.00
26	9:18	1.00	10.000	0.10	50.00	50.00	0.500	0.500	1.00
27	9:28	1.00	10.000	0.10	50.00	50.00	0.176	0.176	1.00
28	9:57	1.00	10.000	0.11	50.00	50.00	0.432	0.432	1.00
29	10:09	1.00	10.000	0.11	50.00	50.00	0.735	0.735	1.00
30	11:36	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:27	1.00	10.000	0.09	50.00	50.00	0.237	0.237	1.00
32	10:36	1.00	10.000	0.09	100.00	100.00	0.373	0.373	1.00
33	10:36	1.00	50.000	0.02	100.00	100.00	0.373	0.373	1.00
34	10:48	1.00	10.000	0.09	50.00	50.00	1.171	1.171	1.00
35	10:59	1.00	50.000	0.02	50.00	50.00	0.662	0.662	1.00
36	11:17	1.00	10.000	0.10	50.00	50.00	1.521	1.521	1.00
37	11:23	1.00	10.000	0.10	50.00	50.00	1.912	1.912	1.00
38	10:58	1.00	50.000	0.02	50.00	50.00	0.472	0.472	1.00
39	11:39	1.00	10.000	0.10	50.00	50.00	1.304	1.304	1.00
40	11:42	1.00	50.000	0.02	50.00	50.00	0.059	0.059	1.00
41	11:52	1.00	50.000	0.02	50.00	50.00	0.736	0.736	1.00
42	11:52	1.00	10.000	0.10	50.00	50.00	1.697	1.697	1.00
43	11:54	1.00	10.000	0.10	50.00	50.00	0.496	0.496	1.00
44	11:22	1.00	10.000	0.10	50.00	50.00	0.311	0.311	1.00
45	12:15	1.00	10.000	0.11	50.00	50.00	1.639	1.639	1.00
46	12:20	1.00	10.000	0.11	50.00	50.00	0.585	0.585	1.00
47	12:20	1.00	10.000	0.11	50.00	50.00	1.372	1.372	1.00
48	12:24	1.00	50.000	0.02	50.00	50.00	0.360	0.360	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:37	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:27	1.00	50.000	0.02	50.00	50.00	0.076	0.076	1.00
51	12:30	1.00	10.000	0.09	50.00	50.00	0.443	0.443	1.00
52	13:00	1.00	10.000	0.10	50.00	50.00	0.199	0.199	1.00
53	13:12	1.00	10.000	0.10	50.00	50.00	0.267	0.267	1.00
54	13:27	1.00	50.000	0.02	50.00	50.00	0.109	0.109	1.00
55	13:40	1.00	10.000	0.10	50.00	50.00	1.075	1.075	1.00
56	13:44	1.00	10.000	0.10	50.00	50.00	0.952	0.952	1.00
57	14:29	1.00	10.000	0.11	50.00	50.00	1.518	1.518	1.00
58	15:19	1.00	10.000	0.11	50.00	50.00	1.156	1.156	1.00
59	17:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:36	1.00	50.000	0.02	50.00	50.00	0.013	0.013	1.00
61	15:38	1.00	10.000	0.09	50.00	50.00	1.369	1.369	1.00
62	16:33	1.00	10.000	0.10	50.00	50.00	0.769	0.769	1.00
63	17:18	1.00	20.000	0.05	50.00	50.00	0.299	0.299	1.00
64	17:21	1.00	10.000	0.10	50.00	50.00	1.301	1.301	1.00
65	17:26	1.00	10.000	0.10	50.00	50.00	1.126	1.126	1.00
66	17:25	1.00	10.000	0.10	50.00	50.00	1.203	1.203	1.00
67	20:37	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:37	1.00	10.000	0.09	50.00	50.00	1.664	1.664	1.00
69	19:35	1.00	10.000	0.09	50.00	50.00	1.323	1.323	1.00
70	19:38	1.00	10.000	0.10	50.00	50.00	1.176	1.176	1.00
71	20:27	1.00	10.000	0.10	50.00	50.00	1.116	1.116	1.00
72	24:36	1.00	10.000	0.12	50.00	50.00	1.013	1.013	1.00
73	24:44	1.00	10.000	0.12	50.00	50.00	0.980	0.980	1.00
74	25:50	1.00	10.000	0.13	50.00	50.00	0.987	0.987	1.00
75	5:55	1.00	0.742	1.06	50.00	50.00	1.651	1.651	1.00
76	7:06	1.00	0.948	1.00	50.00	50.00	2.328	2.328	1.00
77	8:14	1.00	0.875	1.02	50.00	50.00	0.526	0.526	1.00
78	10:40	1.00	0.906	1.01	50.00	50.00	1.244	1.244	1.00
79	12:41	1.00	1.118	0.98	50.00	50.00	0.083	0.083	1.00
80	15:50	1.00	0.907	1.01	50.00	50.00	0.996	0.996	1.00
81	15:36	1.00	0.906	0.99	50.00	50.00	1.269	1.269	1.00

Copy

Mead CompuChem
GC/MS Analysis Log

Initial Time of T:
Time Tune Expir:

Shift(s) (A) ✓ (B) ____ (C) ____
Date 5-12-85
Analysis Type SEMI

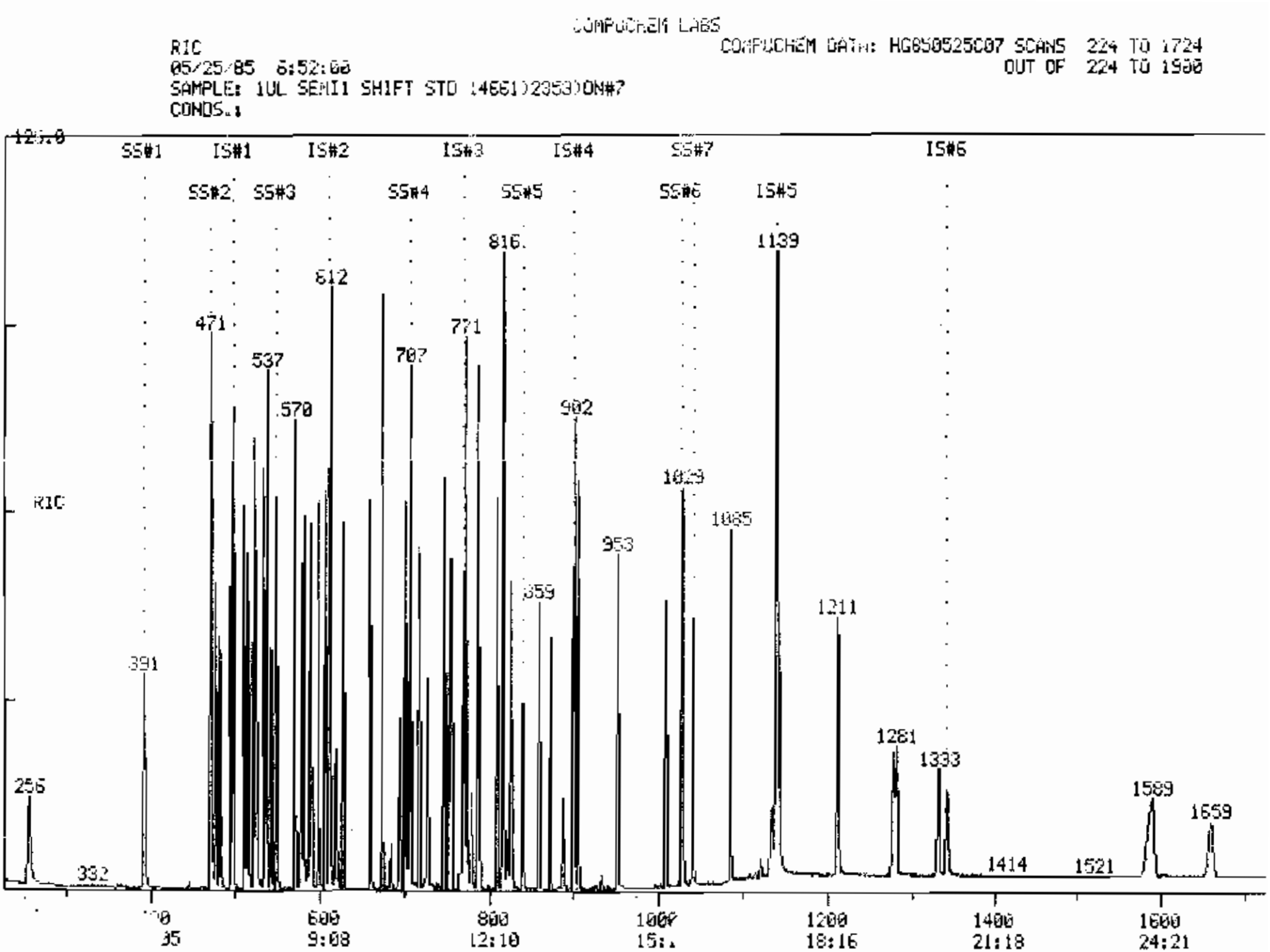
Run Log — Press Hard, Multiple Copies — 3

	Selected	File Name	Date	Time	EPA I.D	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Etc.)
1		DH8505[illegible]A22	5/11/85	8 05			1.0			2/3	705a
2		HG8505[illegible]A22	5/12/85				1.0	756		2/3	50 std (2353)
3		CC8505[illegible]A22	11		EA287	422	11	875		11	1462-293 surrclick
4	R	CDØ4[illegible]	11	1205	4	4	11	64		11	5:1 D.L (IL)
5	R	CDI48[illegible]A22	11	12[illegible]	EA287	4224	11	11		11	5:1 D.1 (IL)
6	R	CHØ4[illegible]A22	11	13 9	BL#1	[illegible]				11	BL#1 (IL)
7	R	CDI4[illegible]A22	11	1457	EA287	422	11	756		11	5:1 D.1 (OK)
8		CJØ4[illegible]A22	11	15[illegible]6	BL#1	[illegible]	11	875		11	BL#1(5) (OK)
9	R	CHØ4[illegible]A22	11	1554	507056	11	11	11		11	1 (OK)
10	R	CHØ4[illegible]A22	11	16[illegible]6	BL#2	11	11	644		11	BL#2 (OK)
11	R	CJØ4[illegible]A22	11	1718	50105-C	11	11	644		11	(OK)
12		CHØ50146A22	11	1735	DL#1	4001	11	11		11	BL#1 (OK)
13	R	CHØ50080A22	11	1835	SS 273/246	11	11	11		11	SS 273/246 (IL)
14		CHØ4[illegible]A22	11	1914	DB528	11	11	11		11	
15		Seems to have sensitivity problems;									
16		stds, etc/ very higher very low in all but a									
17		few one acts/ [illegible]									
18			/ /								
19			/ /								
20			/ /								
21			/ /								
22			/ /								
23			/ /								
24			/ /								
25			/ /								
26			/ /								

5/14/85

ENTERED

OK


COMPUCHEM LABS
RIC
05/25/85 8:52:00
SAMPLE: 1UL SEMI1 SHIFT STD (4661)2353)ON#7
CONDS.:
COMPUCHEM DATA: HG850525C07 SCANS 224 TO 1724
OUT OF 224 TO 1900
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
816
1139
812
471
771
537
707
570
902
1029
1085
953
359
1211
391
1281
1333
256
1589
1659
332
1414
1521
RIC
600
9:08
800
12:10
1000
15:1
1200
18:16
1400
21:18
1600
24:21

RIC
05/25/85 6:52:00
SAMPLE: 1UL SEMI1 SHIFT STD (4661)2353)ON#7
CONDS.:

COMPUCHEM DATA: HG850525C07 SCANS 1724 TO 1900
OUT OF 224 TO 1900

17715103.

1801

1800
27:23

PROCEDURE: RK DIAGNOSTIC REPORT 5/25/85 7:22:56
DATA FILE: HG850525C07
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES – STANDARD/UNKNOWN
4	4	1	0	33	39	4	86	SEMI1S1/SEMI1U1
3	3	6	138	28	26	16	105	SEMI1S2/SEMI1U2

81 COMPOUNDS PROCESSED, 65 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CMRD M/E	CMRD TOP	CMRD DELTA	CMRD PEAKS
1	Q1	1	-499	498	498	.	1	969	.	152	498	.	1
2	Q3	1	-769	768	768	.	1	996	.	164	768	.	1
3	Q2	1	-611	610	610	.	1	992	.	136	610	.	1
4	Q7	2	-392	391	391	.	1	910	.	112	391	.	1
5	Q1	2	-254	254	256	2	1	915	.	42	256	.	1
6	Q1	3	-472	471	.	.	.	.	.	94	471	.	1
7	Q1	4	-474	473	.	.	.	.	.	93	473	.	1
8	Q1	5	-479	478	478	.	1	992	.	93	478	.	.
9	Q1	6	-483	482	.	.	.	.	.	128	482	.	.
10	Q1	7	-496	495	495	.	2	943	.	146	495	.	
11	Q1	8	-500	499	499	.	2	943	.	146	499	.	
12	Q1	9	-512	511	511	.	1	940	.	108	511	.	
13	Q1	10	-516	515	515	.	1	940	.	146	515	.	
14	Q1	11	-523	522	522	.	1	1000	.	108	522	.	1
15	Q1	12	-526	525	525	.	1	920	.	45	525	.	1
16	Q1	13	-535	534	534	.	1	910	.	108	534	.	1
17	Q1	14	-538	537	.	.	.	.	.	70	537	.	1
	Q1	15	-544	543	542	-1	1	930	.	117	543	1	1
19	Q1	16	-550	549	550	1	1	918	.	77	550	.	1
20	Q2	2	-571	570	.	.	.	.	.	82	570	.	1
21	Q2	3	-579	578	.	.	.	.	.	139	578	.	1
22	Q2	4	-581	580	581	1	1	921	.	122	581	.	2
23	Q2	5	-588	587	.	.	.	.	.	122	589	.	2
24	Q2	6	-590	589	589	.	1	971	.	93	589	.	2
25	Q2	7	-599	598	598	.	1	936	.	162	598	.	
26	Q2	8	-607	606	606	.	1	953	.	180	606	.	
27	Q2	9	-613	612	612	.	1	972	.	128	612	.	
28	Q2	10	-618	617	.	.	.	.	.	127	617	.	1
29	Q2	11	-629	628	628	.	1	952	.	225	628	.	1
30	Q2	12	-660	659	659	.	1	917	.	107	659	.	1
31	Q2	13	-674	673	673	.	1	953	.	142	673	.	1
32	Q3	2	-694	693	693	.	1	921	.	237	693	.	1
33	Q3	3	-704	703	700	-3	1	964	.	196	700	.	2
34	Q3	4	-704	703	700	-3	1	940	.	196	700	.	2
35	Q3	5	-717	716	716	.	1	986	.	162	716	.	1
36	Q3	6	-728	727	.	.	.	.	.	65	727	.	1
37	Q3	7	-747	746	746	.	1	990	.	163	746	.	1
38	Q3	8	-755	754	755	1	1	994	.	152	754	-1	1
39	Q3	9	-728	727	.	.	.	.	.	138	727	.	1
40	Q3	10	-772	771	771	.	1	979	.	153	771	.	1
41	Q3	11	-774	773	.	.	.	.	.	184	773	.	1
42	Q3	12	-786	785	.	.	.	.	.	139	785	.	1
43	Q3	13	-786	785	785	.	1	989	.	168	785	.	1
44	Q3	14	-788	787	787	.	1	917	.	89	787	.	2
45	Q3	15	-753	752	752	.	1	933	.	165	752	.	1
46	Q3	16	-810	809	.	.	.	.	.	149	809	.	1
47	Q3	17	-816	815	815	.	1	918	.	204	815	.	1
48	Q3	18	-817	816	816	.	1	987	.	166	816	.	1
49	Q3	19	-820	819	.	.	.	.	.	138	820	.	2

52	Q7	5	-708	707	707	.	1	970	.	172	707	.
53	Q7	6	-840	838	839	1	1	947	.	141	839	
54	Q4	1	-901	901	900	-1	1	984	.	188	900	.
55	Q5	1	-1142	1139	1140	1	1	938	.	240	1139	-1
56	Q6	1	-1348	1343	1342	-1	6	999	.	264	1342	.
57	Q4	2	-824	824	.	.	.	.	.	198	823	.
	Q4	3	-827	827	826	-1	1	900	.	169	826	.
	Q4	4	-860	860	859	-1	1	929	.	248	858	-1
60	Q4	5	-874	874	872	-2	1	902	.	284	872	.
61	Q4	6	-889	888	888	.	1	954	.	266	887	-1
62	Q4	7	-907	906	906	.	2	991	.	178	906	.
63	Q4	8	-907	906	906	.	2	990	.	178	906	.
64	Q4	9	-954	953	953	.	1	960	.	149	952	-1
65	Q4	10	-1010	1008	1009	1	1	989	.	202	1008	-1
66	Q5	2	-1020	1018	.	.	.	.	.	184	1018	.
67	Q5	3	-1031	1029	1029	.	1	995	.	202	1029	
68	Q5	4	-1087	1084	1085	1	1	971	.	149	1085	.
69	Q5	5	-1136	1133	1134	1	1	987	.	252	1133	-1
70	Q5	6	-1140	1137	1138	1	2	980	.	228	1138	.
71	Q5	7	-1142	1139	1139	.	1	992	.	149	1139	.
72	Q5	8	-1145	1142	1142	.	2	988	.	228	1142	.
73	Q6	2	-1215	1211	1211	.	1	992	.	149	1211	.
74	Q6	3	-1282	1277	1281	4	1	972	.	202	1281	.
75	Q6	4	-1286	1281	1281	.	1	968	.	252	1281	.
76	Q6	5	-1338	1333	1333	.	1	986	.	252	1333	.
77	Q6	6	-1594	1586	1585	-1	1	985	.	276	1585	.
78	Q6	7	-1598	1590	1589	-1	1	953	.	278	1590	1
79	Q6	8	-1668	1660	1659	-1	1	978	.	276	1659	.
80	Q7	7	-1043	1041	1041	.	1	986	.	244	1040	-1
81	Q8	2	-1029	1027	1027	.	1	936	.	212	1027	.

Internal Standard Area Monitor

QUANTITATION REPORT FILE: HQ850525C07

DATA: HQ850525C07.TI
05/25/85 6:52:00
PLE: 1UL SEMI1 SHIFT STD 14661)2353)ON#7
CONDS. :
SUBMITTED BY: 7 ANALYST: 755

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	610 PHENOL (Q1#3) <108-95-2>
4	473 ANILINE (Q1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
6	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
9	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
11	620 2-METHYLPHENOL (Q1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
13	622 4-METHYLPHENOL (Q1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
15	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
16	440 NITROBENZENE (Q1#16) <98-95-3>
17	*** D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (Q2#2) <78-59-1>
	606 2-NITROPHENOL (Q2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
21	625 BENZOIC ACID (Q2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
25	439 NAPHTHALENE (Q2#9) <91-20-3>
26	475 4-CHLOROANILINE (Q2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
35	478 2-NITROANILINE (Q3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
37	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
38	479 3-NITROANILINE (Q3#9) <99-09-2>
39	401 ACENAPHTHENE (Q3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
41	607 4-NITROPHENOL (Q3#12) <100-02-7>
42	476 DIBENZOFURAN (Q3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>

NO.	NAME
47	432 FLUORENE (Q3#18) <86-73-7>
48	480 4-NITROANILINE (Q3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
53	433 HEXACHLORORENZENE (Q4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
55	444 PHENANTHRENE (Q4#7) <85-01-8>
56	403 ANTHRACENE (Q4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
58	431 FLUORANTHENE (Q4#10) <206-44-0>
59	*** D12-CHRYSENE (IS#5)
60	404 BENZIDINE (Q5#2) <92-87-5>
61	445 PYRENE (Q5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
66	418 CHRYSENE (Q5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
71	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
75	### 2-FLUOROPHENOL (SS#1)
76	### D5-PHENOL (SS#2)
	### D5-NITROBENZENE (SS#3)
	### 2-FLUOROBIPHENYL (SS#4)
79	### 2,4,6-TRIBROMOPHENOL (SS#5)
80	### D14-TERPHENYL (SS#6)
81	### D10 PYRENE

DMM 5/25/85

NO.	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	498	7:35	1	1.000	A BB	1563640.	40.000 NG	0.95
2	42	256	3:54	1	0.514	A VV	3448160.	50.000 NG	1.19
3	94	471	7:10	1	0.946	A BV	3714650.	50.000 NG	1.19
4	93	473	7:12	1	0.950	A BV	3332790.	50.000 NG	1.19
5	93	478	7:16	1	0.960	A VV	3122970.	50.000 NG	1.19
6	128	482	7:20	1	0.968	A BV	2598550.	50.000 NG	1.19
7	146	495	7:32	1	0.994	A BV	3077430.	50.000 NG	1.19
8	146	499	7:36	1	1.002	A VV	3173020.	50.000 NG	1.19
9	108	511	7:47	1	1.026	A BV	1500790.	50.000 NG	1.19
10	146	515	7:50	1	1.034	A BB	2855990.	50.000 NG	1.19
11	108	522	7:57	1	1.048	A VB	2147900.	50.000 NG	1.19
12	45	525	7:59	1	1.054	A BV	5624410.	50.000 NG	1.19
13	108	534	8:08	1	1.072	A BV	2394940.	50.000 NG	1.19
14	70	537	8:10	1	1.078	A VV	2618490.	50.000 NG	1.19
15	117	543	8:16	1	1.090	A BB	1436760.	50.000 NG	1.19
16	77	550	8:22	1	1.104	A VV	3537690.	50.000 NG	1.19
17	136	610	9:17	17	1.000	A BV	4905690.	40.000 NG	0.95
18	82	570	8:40	17	0.934	A BV	6017180.	50.000 NG	1.19
19	139	578	8:46	17	0.948	A BB	1187320.	50.000 NG	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	581	8:50	17	0.952	A*BV	2197110.	50.000	NG	1.19
21	122	589	8:58	17	0.966	A VV	1014240.	50.000	NG	1.19
22	93	589	8:58	17	0.966	A*VV	2972030.	50.000	NG	1.19
23	162	598	9:06	17	0.980	A BV	2005910.	50.000	NG	1.19
1	180	606	9:13	17	0.993	A BB	2364700.	50.000	NG	1.19
)	128	612	9:19	17	1.003	A VV	6831870.	50.000	NG	1.19
26	127	617	9:23	17	1.011	A VV	1877270.	50.000	NG	1.19
27	225	628	9:33	17	1.030	A BB	1361400.	50.000	NG	1.19
28	107	659	10:02	17	1.080	A BV	2454460.	50.000	NG	1.19
29	142	673	10:14	17	1.103	A BV	4219450.	50.000	NG	1.19
30	164	768	11:41	30	1.000	A BB	2473720.	40.000	NG	0.95
31	237	693	10:33	30	0.902	A BB	944096.	50.000	NG	1.19
32	196	700	10:39	30	0.911	A*BV	2401180. /200518	100.000	NG	2.39
33	196	700	10:39	30	0.911	A*BV	2401180. /200518	100.000	NG	2.39
34	162	716	10:54	30	0.932	A BB	3930230.	50.000	NG	1.19
35	65	727	11:04	30	0.947	A VV	1820670.	50.000	NG	1.19
36	163	746	11:21	30	0.971	A BV	4583990.	50.000	NG	1.19
37	152	754	11:28	30	0.982	A BV	5489690.	50.000	NG	1.19
38	138	727	11:04	30	0.947	A BV	1260190.	50.000	NG	1.19
39	153	771	11:44	30	1.004	A BB	3873530.	50.000	NG	1.19
40	184	773	11:46	30	1.007	A BV	215648.	50.000	NG	1.19
41	139	785	11:57	30	1.022	A VV	2766620.	50.000	NG	1.19
42	168	785	11:57	30	1.022	A BB	5149690.	50.000	NG	1.19
43	89	787	11:59	30	1.025	A*BB	1433050.	50.000	NG	1.19
44	165	752	11:27	30	0.979	A BB	907232.	50.000	NG	1.19
45	149	809	12:19	30	1.053	A VV	5044700.	50.000	NG	1.19
46	204	815	12:24	30	1.061	A BB	1848440.	50.000	NG	1.19
47	166	816	12:25	30	1.062	A BB	4060470.	50.000	NG	1.19
48	138	820	12:29	30	1.068	A*BV	511808.	50.000	NG	1.19
49	188	900	13:42	49	1.000	A BV	4007800.	40.000	NG	0.95
)	198	823	12:31	49	0.914	A BV	418912.	50.000	NG	1.19
1	169	826	12:34	49	0.918	A BV	2385660.	50.000	NG	1.19
52	248	858	13:03	49	0.953	A BB	1061980.	50.000	NG	1.19
53	284	872	13:16	49	0.969	A BB	1486140.	50.000	NG	1.19
54	266	887	13:30	49	0.986	A BB	331584.	50.000	NG	1.19
55	178	902	13:44	49	1.002	A BV	5355160.	50.000	NG	1.19
56	178	906	13:47	49	1.007	A VV	5002360.	50.000	NG	1.19
57	149	952	14:29	49	1.058	A VV	7428440.	50.000	NG	1.19
58	202	1008	15:20	49	1.120	A BV	5220830.	50.000	NG	1.19
59	240	1139	17:20	59	1.000	A BV	2657500.	40.000	NG	0.95
60	184	1018	15:29	59	0.894	A BB	20160.	50.000	NG	1.19
61	202	1029	15:40	59	0.903	A VV	5377240.	50.000	NG	1.19
62	149	1085	16:31	59	0.953	A BV	2756880.	50.000	NG	1.19
63	252	1133	17:14	59	0.995	A BV	605600.	50.000	NG	1.19
64	228	1138	17:19	59	0.999	A VV	3928880.	50.000	NG	1.19
65	149	1139	17:20	59	1.000	A VV	4539560.	50.001	NG	1.19
66	228	1142	17:23	59	1.003	A VV	3602510.	50.000	NG	1.19
67	264	1342	20:25	67	1.000	A BV	2356030.	40.000	NG	0.95
68	149	1211	18:26	67	0.902	A BV	6457090.	50.000	NG	1.19
69	252	1281	19:30	67	0.955	A*BV	6630700. 3315358	100.000	NG	2.39
70	252	1281	19:30	67	0.955	A*BV	6630700. 3315358	100.000	NG	2.39
71	252	1333	20:17	67	0.993	A VV	3029850.	50.000	NG	1.19
72	276	1585	24:07	67	1.181	A BV	3503660.	50.000	NG	1.19
73	278	1590	24:12	67	1.185	A BV	2882170.	50.000	NG	1.19
74	276	1659	25:15	67	1.236	A BV	2829570.	50.000	NG	1.19
75	112	391	5:57	1	0.785	A BV	2700790.	50.000	NG	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
76	99	470	7:09	1	0.944	A BV	3404120.	50.000 NG	1.19
77	82	546	8:20	17	0.898	A VB	3434270.	50.000 NG	1.19
78	172	707	10:46	30	0.921	A VB	4458550.	50.000 NG	1.19
79	141	839	12:46	30	1.092	A BV	342496.	50.000 NG	1.19
	244	1040	15:50	59	0.913	A BV	3647960.	50.000 NG	1.19
81	212	1027	15:38	59	0.902	A BV	4651710.	50.000 NG	1.19

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:54	1.00	10.000	0.05	50.00	50.00	1.764	1.764	1.00
3	7:10	1.00	10.000	0.09	50.00	50.00	1.901	1.901	1.00
4	7:12	1.00	10.000	0.09	50.00	50.00	1.705	1.705	1.00
5	7:16	1.00	10.000	0.10	50.00	50.00	1.598	1.598	1.00
6	7:20	1.00	10.000	0.10	50.00	50.00	1.329	1.329	1.00
7	7:32	1.00	10.000	0.10	50.00	50.00	1.574	1.574	1.00
8	7:36	1.00	10.000	0.10	50.00	50.00	1.623	1.623	1.00
9	7:47	1.00	10.000	0.10	50.00	50.00	0.768	0.768	1.00
10	7:50	1.00	10.000	0.10	50.00	50.00	1.461	1.461	1.00
11	7:57	1.00	10.000	0.10	50.00	50.00	1.099	1.099	1.00
12	7:59	1.00	10.000	0.11	50.00	50.00	2.878	2.878	1.00
13	8:08	1.00	10.000	0.11	50.00	50.00	1.225	1.225	1.00
14	8:10	1.00	10.000	0.11	50.00	50.00	1.340	1.340	1.00
15	8:16	1.00	10.000	0.11	50.00	50.00	0.735	0.735	1.00
16	8:22	1.00	10.000	0.11	50.00	50.00	1.810	1.810	1.00
17	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:40	1.00	10.000	0.09	50.00	50.00	0.981	0.981	1.00
19	8:48	1.00	10.000	0.09	50.00	50.00	0.194	0.194	1.00
20	8:50	1.00	10.000	0.10	50.00	50.00	0.358	0.358	1.00
21	8:58	1.00	50.000	0.02	50.00	50.00	0.165	0.165	1.00
22	8:58	1.00	10.000	0.10	50.00	50.00	0.485	0.485	1.00
	9:06	1.00	10.000	0.10	50.00	50.00	0.327	0.327	1.00
24	9:13	1.00	10.000	0.10	50.00	50.00	0.386	0.386	1.00
25	9:19	1.00	10.000	0.10	50.00	50.00	1.114	1.114	1.00
26	9:23	1.00	10.000	0.10	50.00	50.00	0.306	0.306	1.00
27	9:33	1.00	10.000	0.10	50.00	50.00	0.222	0.222	1.00
28	10:02	1.00	10.000	0.11	50.00	50.00	0.400	0.400	1.00
29	10:14	1.00	10.000	0.11	50.00	50.00	0.688	0.688	1.00
30	11:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:33	1.00	10.000	0.09	50.00	50.00	0.305	0.305	1.00
32	10:39	1.00	10.000	0.09	100.00	100.00	0.388	0.388	1.00
33	10:39	1.00	50.000	0.02	100.00	100.00	0.388	0.388	1.00
34	10:54	1.00	10.000	0.09	50.00	50.00	1.271	1.271	1.00
35	11:04	1.00	50.000	0.02	50.00	50.00	0.589	0.589	1.00
36	11:21	1.00	10.000	0.10	50.00	50.00	1.482	1.482	1.00
37	11:28	1.00	10.000	0.10	50.00	50.00	1.775	1.775	1.00
38	11:04	1.00	50.000	0.02	50.00	50.00	0.408	0.408	1.00
39	11:44	1.00	10.000	0.10	50.00	50.00	1.253	1.253	1.00
40	11:46	1.00	50.000	0.02	50.00	50.00	0.070	0.070	1.00
41	11:57	1.00	50.000	0.02	50.00	50.00	0.895	0.895	1.00
42	11:57	1.00	10.000	0.10	50.00	50.00	1.665	1.665	1.00
43	11:59	1.00	10.000	0.10	50.00	50.00	0.463	0.463	1.00
44	11:27	1.00	10.000	0.10	50.00	50.00	0.293	0.293	1.00
45	12:19	1.00	10.000	0.11	50.00	50.00	1.631	1.631	1.00
46	12:24	1.00	10.000	0.11	50.00	50.00	0.598	0.598	1.00
47	12:25	1.00	10.000	0.11	50.00	50.00	1.313	1.313	1.00
	12:29	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
49	13:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:31	1.00	50.000	0.02	50.00	50.00	0.084	0.084	1.00
51	12:34	1.00	10.000	0.09	50.00	50.00	0.476	0.476	1.00
52	13:03	1.00	10.000	0.10	50.00	50.00	0.212	0.212	1.00
53	13:16	1.00	10.000	0.10	50.00	50.00	0.297	0.297	1.00
4	13:30	1.00	50.000	0.02	50.00	50.00	0.066	0.066	1.00
55	13:44	1.00	10.000	0.10	50.00	50.00	1.069	1.069	1.00
56	13:47	1.00	10.000	0.10	50.00	50.00	0.999	0.999	1.00
57	14:29	1.00	10.000	0.11	50.00	50.00	1.483	1.483	1.00
58	15:20	1.00	10.000	0.11	50.00	50.00	1.042	1.042	1.00
59	17:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:29	1.00	50.000	0.02	50.00	50.00	0.006	0.006	1.00
61	15:40	1.00	10.000	0.09	50.00	50.00	1.619	1.619	1.00
62	16:31	1.00	10.000	0.10	50.00	50.00	0.830	0.830	1.00
63	17:14	1.00	20.000	0.05	50.00	50.00	0.182	0.182	1.00
64	17:19	1.00	10.000	0.10	50.00	50.00	1.183	1.183	1.00
65	17:20	1.00	10.000	0.10	50.00	50.00	1.367	1.367	1.00
66	17:23	1.00	10.000	0.10	50.00	50.00	1.084	1.084	1.00
67	20:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:26	1.00	10.000	0.09	50.00	50.00	2.193	2.193	1.00
69	19:30	1.00	10.000	0.10	100.00	100.00	1.126	1.126	1.00
70	19:30	1.00	10.000	0.10	100.00	100.00	1.126	1.126	1.00
71	20:17	1.00	10.000	0.10	50.00	50.00	1.029	1.029	1.00
72	24:07	1.00	10.000	0.12	50.00	50.00	1.190	1.190	1.00
73	24:12	1.00	10.000	0.12	50.00	50.00	0.979	0.979	1.00
74	25:15	1.00	10.000	0.12	50.00	50.00	0.961	0.961	1.00
75	5:57	1.00	0.742	1.06	50.00	50.00	1.382	1.382	1.00
76	7:09	1.00	0.948	1.00	50.00	50.00	1.742	1.742	1.00
77	8:20	1.00	0.875	1.03	50.00	50.00	0.560	0.560	1.00
78	10:46	1.00	0.906	1.02	50.00	50.00	1.442	1.442	1.00
79	12:46	1.00	1.118	0.98	50.00	50.00	0.111	0.111	1.00
0	15:50	1.00	0.907	1.01	50.00	50.00	1.098	1.098	1.00
81	15:38	1.00	0.906	0.99	50.00	50.00	1.400	1.400	1.00

Copy

Mead CompuChem
GC/MS Analysis Log

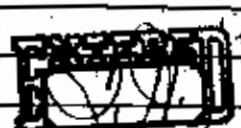
Initial Time of Tune 6:18
Time Tune Expires 18:18
Shift(s) (A) (B) (C)
Date 5/25/85
Analysis Type SEMI 1

Run Log — Press Hard, Multiple Copies — 3

multi-point Cleaning conditions

	File Name	Date	Time	EPA I.D.	Case No.	Amount Injected	Operator	Tape No.	Disc. No.	COMMENTS (STD I.D., Lot #'s, Disposition, Etc.)
1	DH850525C07	5/25/85	6:18	DFTPP		1ul	755		78	(4C58(7050)
2	H6850525C07	"	6:52	Std		4	4		4	1466(2353)
3	SURRCHK A07	"	7:59	std. check		1ul	644		"	#392
4	GH0 51625 A07	"	8:42	Blank		1.0ul	644		"	51625R
5	GR0 49805 A07	"	9:28	SS		1.0 ul	644		"	49805R
6	GR0 49811 A07	"	10:13	[illegible]		1.0ul	644		"	49811R
7	GR0 49812 A07	"	11:17			1.0ul	644		"	49812R
8	GR0 50168 A07	"	:			1.0 "	644		(75)	50168R New Disc
9	changed disc?	"	:							
10	GR10 50168R A07	"	13:51			1.0ul	644		(67)	50168R1 New Disc
11	GR0 49806 A07	"	:			1.0ul	644		67	
12	GR050173A07	5/25/85	15:40	BB246	4236	1ul	683		67	
13	GR050180A07	5/25/85	16:38	BB249	4236	1ul	683		67	
14	GHH 50634A07	"	17:23	BL#1	4358-1	"	755		"	
15	GHH 50457A07	"	17:59	BD005	"	"	"		"	Reinject; still at town
16		/ /	:							
17		/ /	:							
18		/ /	:							
19		/ /	:							
20		/ /	:							
21		/ /	:							
22		/ /	:							
23		/ /	:							
24		/ /	:							
25		/ /	:							
26		/ /	:							

RM 5/25/85



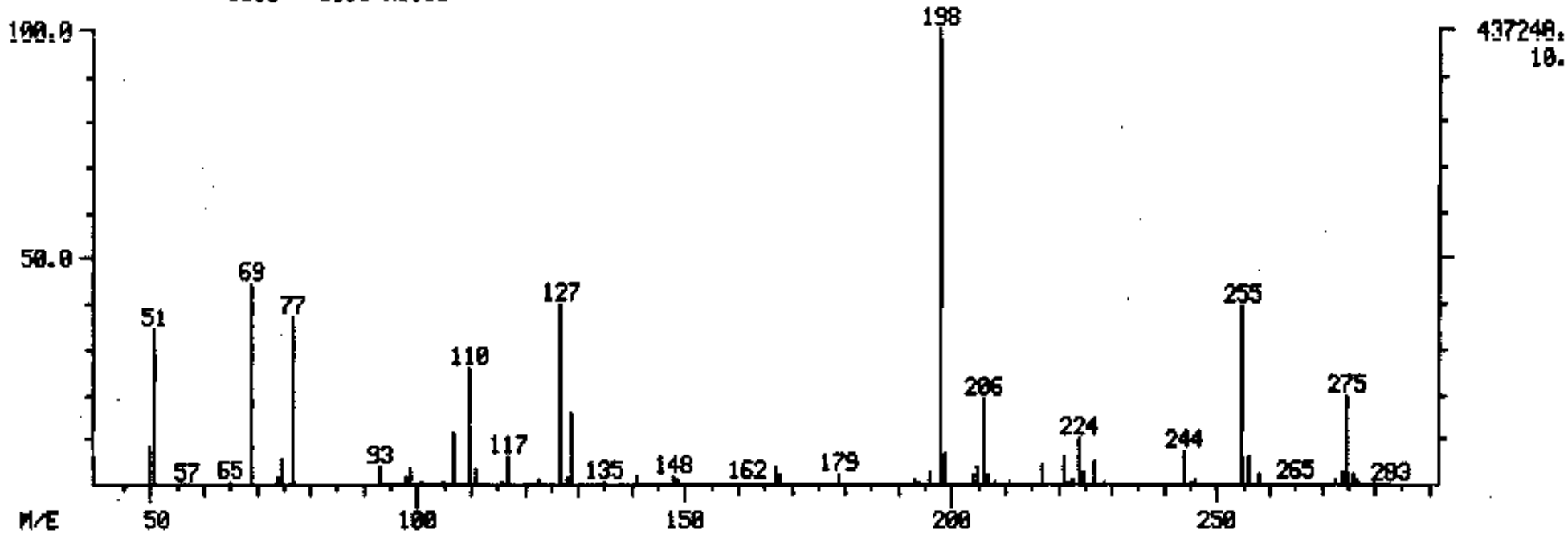
5/25/85

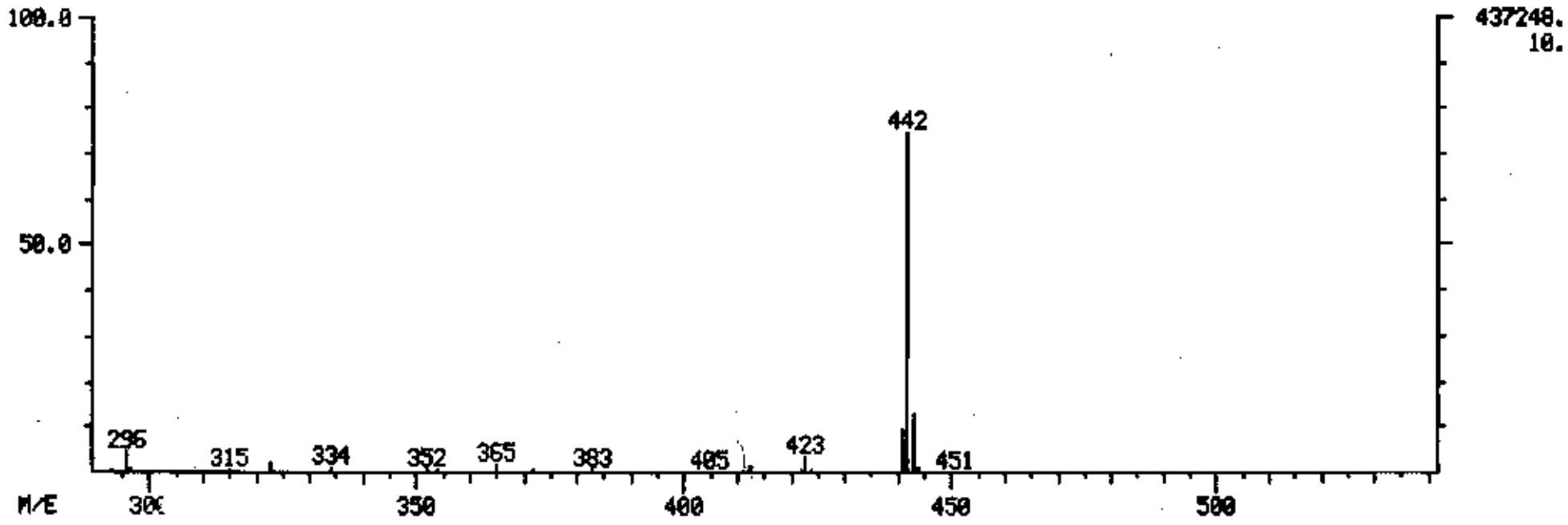
COMPUCHEM LABS

MASS SPECTRUM
05/22/85 11:58:00 + 4:57
SAMPLE: 1 UL DFTPP STD. 7050(14658) ON016
#330 - #316 X1.00

DATA: DI050522A16 #330

BASE M/E: 198
RIC: 2013950.





COMPUCHEM LABS

MASS LIST DATA: DI850522A16 # 330 BASE M/E: 198

05/22/85 11:58:00 + 4:57 RIC: 2813950.

SAMPLE: 1 UL DFTPP STD. 7050(1465B) DN#16

#330 - #316 X1.00

49 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 437248.

51 # 0 MAXIMA

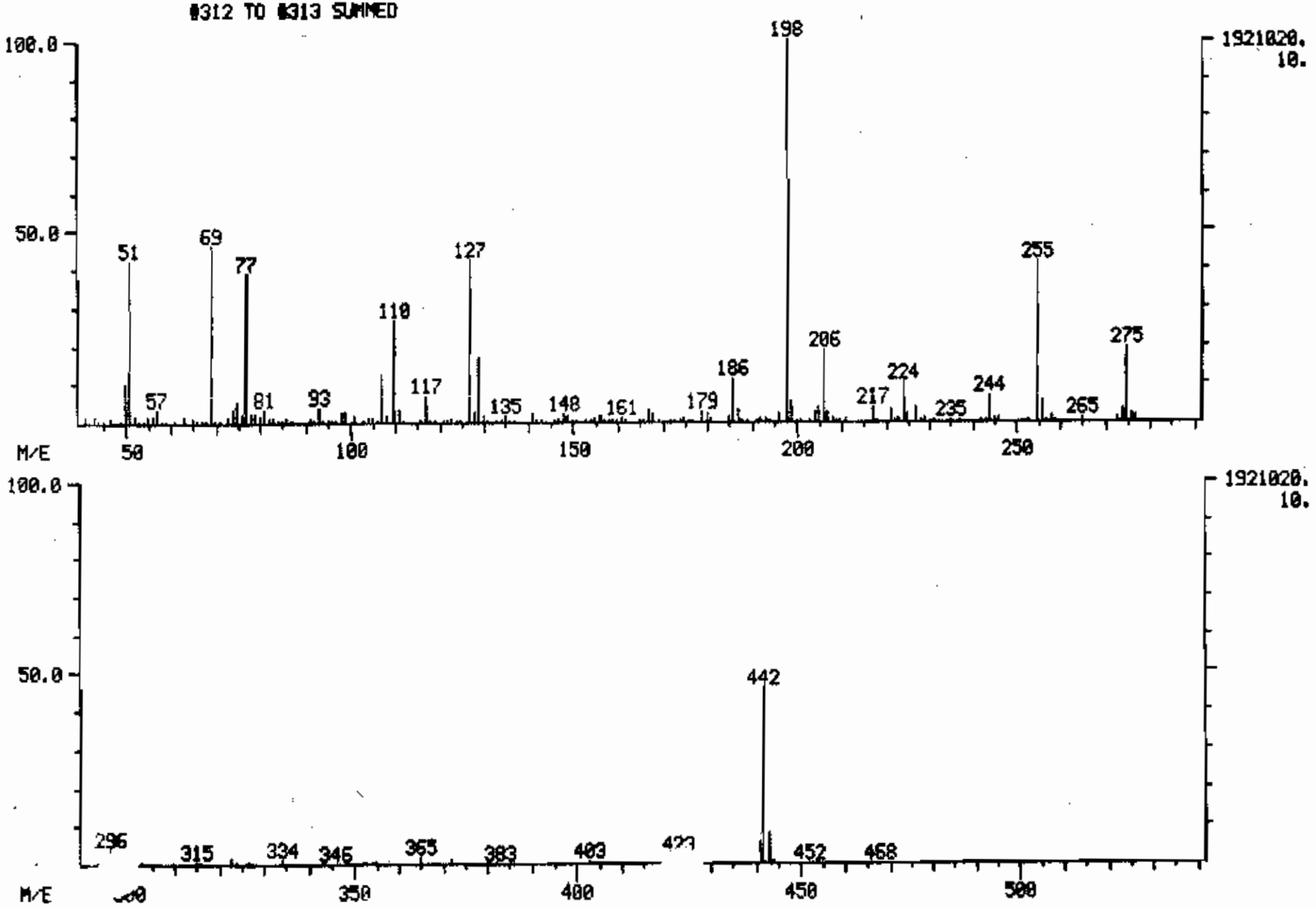
MASS	% RA	MASS	% RA	MASS	% RA
49	0.25	194	0.38	324	0.23
50	8.62	196	2.75	327	0.20
51	34.25	198	100.00	334	1.20
57	0.21	199	6.83	341	0.25
65	0.42	203	0.23	352	0.59
69	44.79	204	2.25	354	0.34
74	1.44	205	3.72	355	0.16
75	5.44	206	18.97	365	1.93
77	37.12	207	2.11	372	0.42
93	3.96	208	0.74	373	0.15
96	0.01	209	0.18	383	0.29
97	0.08	210	0.23	405	0.07
98	1.51	211	0.62	422	0.45
99	3.23	217	4.68	423	3.37
101	0.67	218	0.20	424	0.46
105	0.41	221	5.96	441	9.85
107	11.26	222	0.76	442	74.82
110	26.14	223	1.02	443	13.10
111	3.23	224	10.29	444	1.00
116	0.49	225	2.78	451	0.07
117	6.36	227	5.17		
123	1.23	228	0.24		
127	40.28	229	0.31		
128	1.69	231	0.26		
129	16.01	234	0.14		
135	0.79	235	0.10		
137	0.03	243	0.48		
141	1.63	244	7.51		
143	0.50	245	0.79		
147	0.09	246	0.93		
148	1.48	248	0.15		
149	0.97	253	0.34		
153	0.41	255	39.46		
162	0.34	256	6.33		
165	0.31	258	2.02		
166	0.20	259	0.16		
167	3.97	265	0.72		
168	2.13	273	0.96		
169	0.44	274	3.06		
171	0.81	275	19.91		
173	0.33	276	2.19		
174	0.70	277	1.36		
175	0.83	283	0.24		
176	0.37	293	0.29		
177	0.56	296	4.67		
179	2.01	297	0.64		
181	0.22	304	0.08		
191	0.33	314	0.20		
192	0.72	315	0.67		
193	0.91	323	1.98		

COMPUCHEM LABS

MASS SPECTRUM
05/25/85 6:18:00 + 4:45
SAMPLE: 1UL DFTPP 14650(7050)ON#7
#312 TO #313 SUMMED

DATA: DH850525C07 #312

BASE M/E: 198
RIC: 13893600.



COMPUCHEM LABS

MASS LIST DATA: DHS0525C07 # 312 BASE M/E: 198
05/25/85 6:18:00 + 4:45 RIC: 13893600.
SAMPLE: 1UL DFTPP 1465B(7050)ON#7
#312 TO #313 SUMMED

41 0.00 MINIMA MIN INTEN: 4968. MAX INTEN: 1921020.
468 # 0 MAXIMA

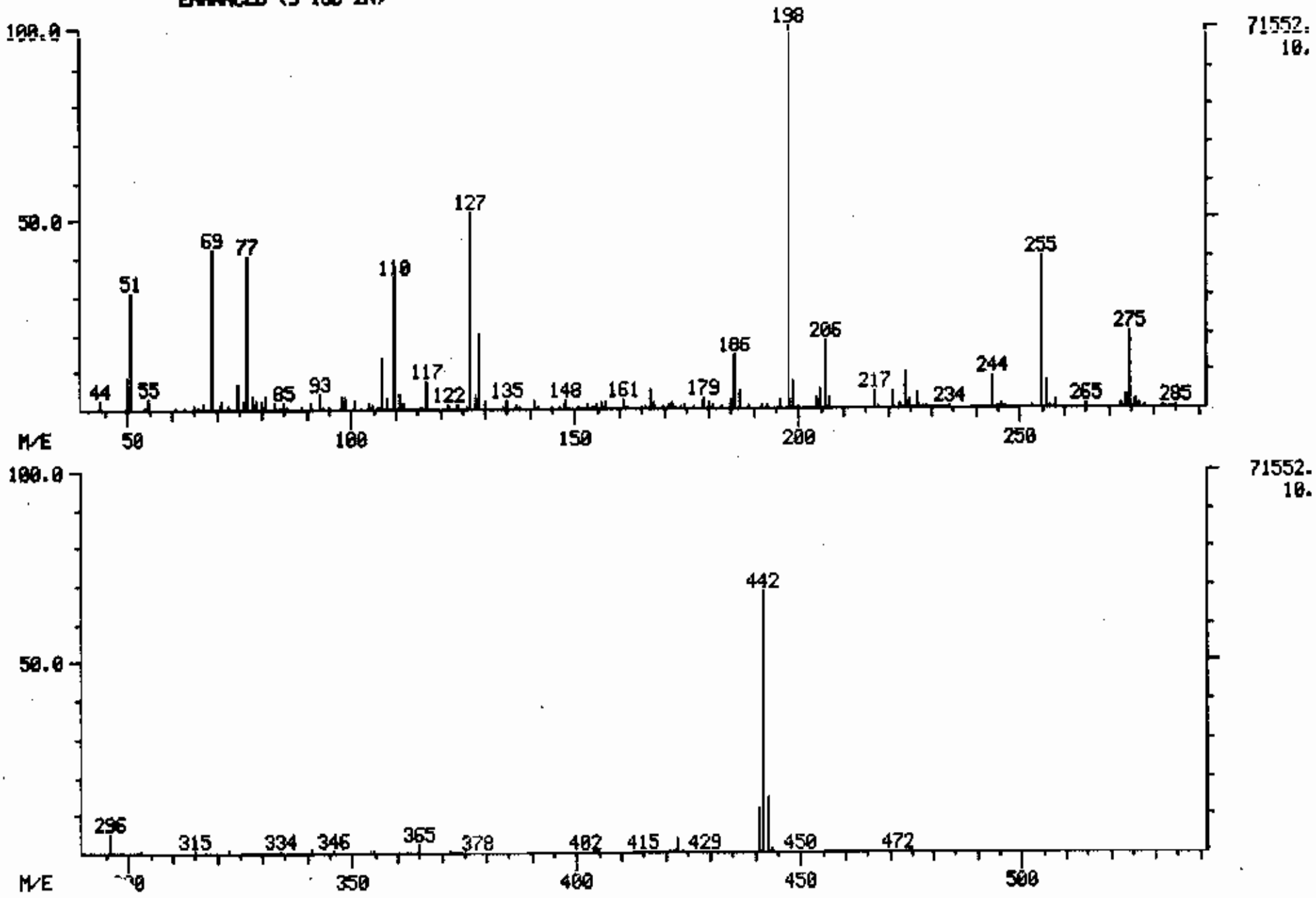
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	1.91	98	2.83	161	1.09	231	0.33
42	0.48	99	2.56	162	0.35	235	0.42
43	1.66	101	1.90	165	0.77	237	0.40
44	0.63	103	0.40	166	0.69	242	0.57
45	0.31	104	0.98	167	3.52	243	0.45
47	0.97	105	0.88	168	1.98	244	6.79
49	0.44	106	0.41	169	0.42	245	1.01
50	10.17	107	12.55	172	0.38	246	1.37
51	42.38	108	1.81	173	0.56	253	0.30
52	1.98	110	26.63	174	0.78	255	42.00
53	0.37	111	3.48	175	1.39	256	5.43
54	0.37	112	0.47	176	0.34	257	0.34
55	1.70	116	0.67	177	0.81	258	1.98
56	1.57	117	6.53	179	2.61	259	0.29
57	3.35	118	0.70	180	2.00	265	0.86
58	0.31	119	0.31	181	0.99	273	1.03
59	0.42	120	0.27	184	0.27	274	3.39
60	0.26	121	0.29	185	1.47	275	19.46
61	0.50	122	0.82	186	11.30	276	2.94
63	1.67	123	1.38	187	3.15	277	1.55
64	0.27	124	0.60	188	0.54	281	0.51
65	0.90	125	0.77	189	0.69	283	0.26
66	0.45	127	42.32	191	0.51	293	0.46
67	0.76	128	2.87	192	0.87	296	4.14
68	0.37	129	17.08	193	1.04	297	0.60
69	46.38	130	1.53	194	0.30	303	0.60
70	0.50	131	0.39	196	2.00	315	0.47
71	0.48	133	0.38	198	100.00	316	0.30
73	1.42	134	0.54	199	5.53	323	1.61
74	3.28	135	1.70	200	0.42	324	0.32
75	5.52	136	0.77	201	0.40	327	0.34
76	2.14	137	0.83	203	0.93	334	0.97
77	39.13	138	0.26	204	2.57	341	0.26
78	2.93	141	2.13	205	4.13	352	0.41
79	2.48	142	0.69	206	18.92	353	0.41
80	1.76	143	0.60	207	3.03	354	0.64
81	3.16	146	0.99	208	0.91	355	0.29
82	1.00	147	1.33	209	0.47	365	1.73
83	1.20	148	2.23	210	0.43	372	1.01
84	0.63	149	1.43	211	0.86	402	0.28
85	0.72	150	0.29	217	4.19	403	0.35
86	0.96	151	0.45	218	0.95	421	0.27
87	0.62	153	0.65	221	3.26	422	0.31
91	1.02	154	0.56	222	0.71	423	2.30
92	0.41	155	1.21	223	1.15	424	0.99
93	3.89	156	1.71	224	9.97	441	5.58
94	0.44	157	0.30	225	2.16	442	45.58
95	0.53	158	0.56	227	3.85	443	8.08
96	0.53	159	0.43	228	0.64	444	0.65
97	0.55	160	0.78	229	0.91		

COMPUCHEM LABS

MASS SPECTRUM
05/17/85 19:11:00 + 4:46
SAMPLE: 1 UL DFTPP #14612(7050)
ENHANCED (S 150 2N)

DATA: DI850517016 #317

BASE M/E: 198
RIC: 551936.

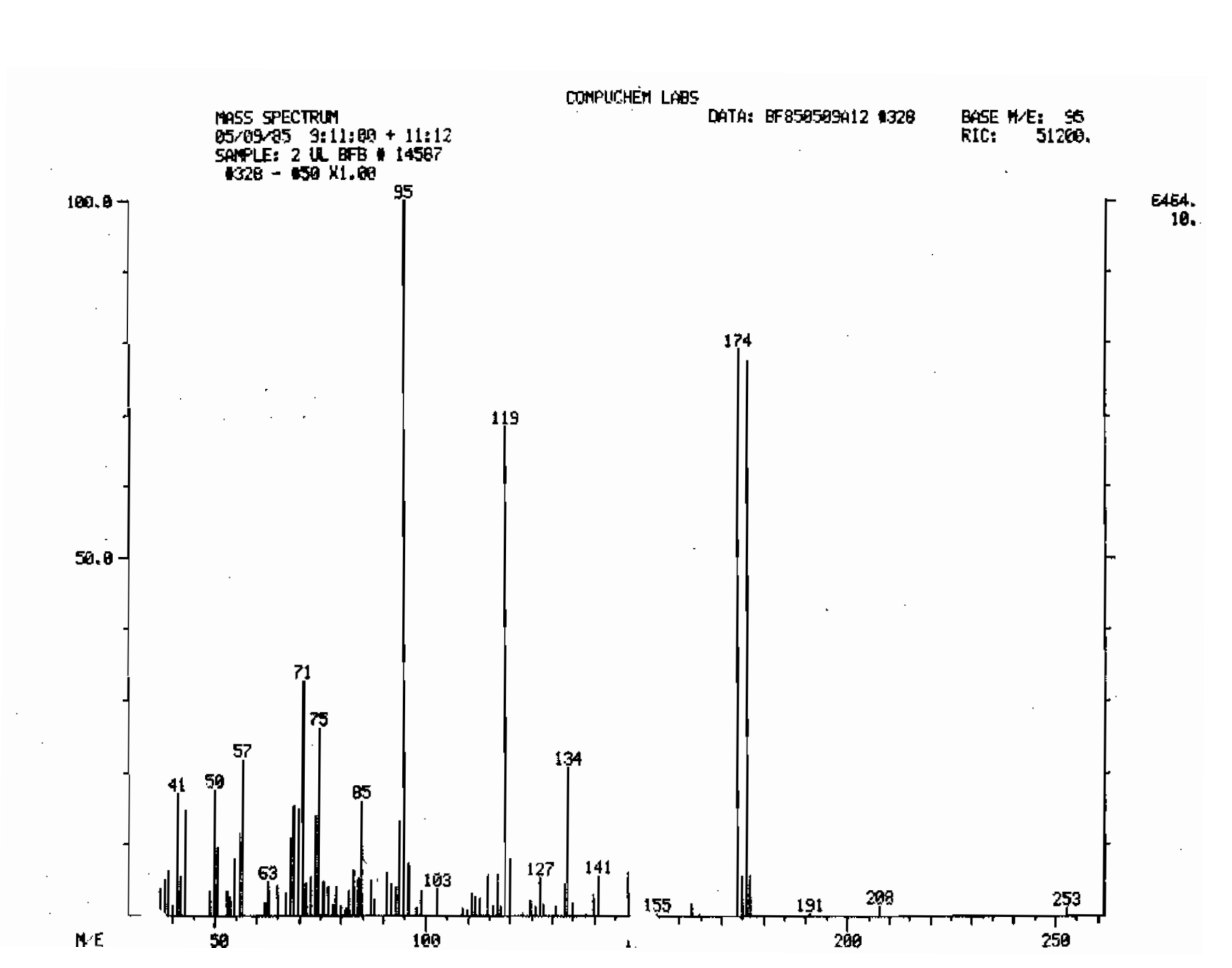


COMPUCHEM LABS

MASS LIST DATA: DI850517B16 # 317 BASE M/E: 198
05/17/85 19:11:00 + 4:46 RIC: 551936.
SAMPLE: 1 UL DFTPP #14612(7050)
HANCED (B 15B 2N 0T)

44 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 71552.
472 # 0 MAXIMA

MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
44	2.17	127	51.70	200	0.62	297	0.19
45	0.13	128	3.90	201	0.28	303	0.36
49	0.16	129	20.28	203	0.16	315	0.40
50	8.52	130	2.12	204	2.74	321	0.16
51	30.86	134	0.81	205	4.94	323	1.37
54	0.63	135	2.03	206	18.22	324	0.28
55	2.85	137	1.31	207	2.61	325	0.18
61	0.70	138	0.35	211	0.40	334	0.58
63	0.57	140	0.22	212	0.16	341	1.12
64	0.28	141	2.16	216	0.30	342	0.16
65	1.29	142	0.45	217	4.79	346	0.61
66	0.49	144	0.02	218	0.51	347	0.21
67	1.79	145	0.30	221	4.26	353	0.27
69	42.49	146	0.27	223	0.96	354	0.83
71	2.11	147	0.78	224	9.36	355	0.57
73	0.86	148	2.09	225	2.54	365	2.35
75	6.81	150	0.07	227	3.95	366	0.19
76	2.27	151	0.44	228	0.39	367	0.15
77	40.88	153	0.86	229	0.46	369	0.12
78	3.27	154	0.60	230	0.21	372	0.60
79	2.19	155	1.21	231	0.21	378	0.09
80	2.21	156	1.59	234	0.48	399	0.06
81	3.19	157	1.42	237	0.18	402	0.22
83	1.71	161	1.98	241	0.25	403	0.16
84	0.56	162	0.41	242	0.22	406	0.18
85	1.86	165	0.60	244	8.42	415	0.18
86	0.50	166	0.85	245	0.67	421	0.33
89	0.50	167	4.97	246	0.99	422	0.71
91	1.43	168	1.84	247	0.37	423	3.71
93	4.05	170	0.43	249	0.08	424	0.40
94	0.55	171	1.08	250	0.27	429	0.23
95	0.78	172	1.44	253	0.49	441	12.05
98	3.59	173	0.64	255	40.21	442	68.60
99	3.49	174	0.63	256	7.28	443	14.45
101	2.50	175	0.98	257	0.39	444	0.92
104	1.66	177	0.60	258	2.50	450	0.21
105	1.16	179	3.03	262	0.24	472	0.16
106	0.66	180	1.48	263	0.13		
107	13.57	181	1.09	265	0.87		
108	3.01	183	0.40	269	0.09		
110	34.97	185	2.33	273	1.07		
111	4.01	186	14.38	274	3.34		
112	1.89	187	4.70	275	20.39		
114	0.26	189	1.33	276	2.47		
116	0.64	192	1.03	277	0.88		
117	7.44	193	0.88	278	0.34		
120	0.22	194	0.10	282	0.29		
122	1.09	196	2.52	285	0.50		
124	0.93	198	100.00	293	0.28		
126	0.33	199	7.12	296	5.10		

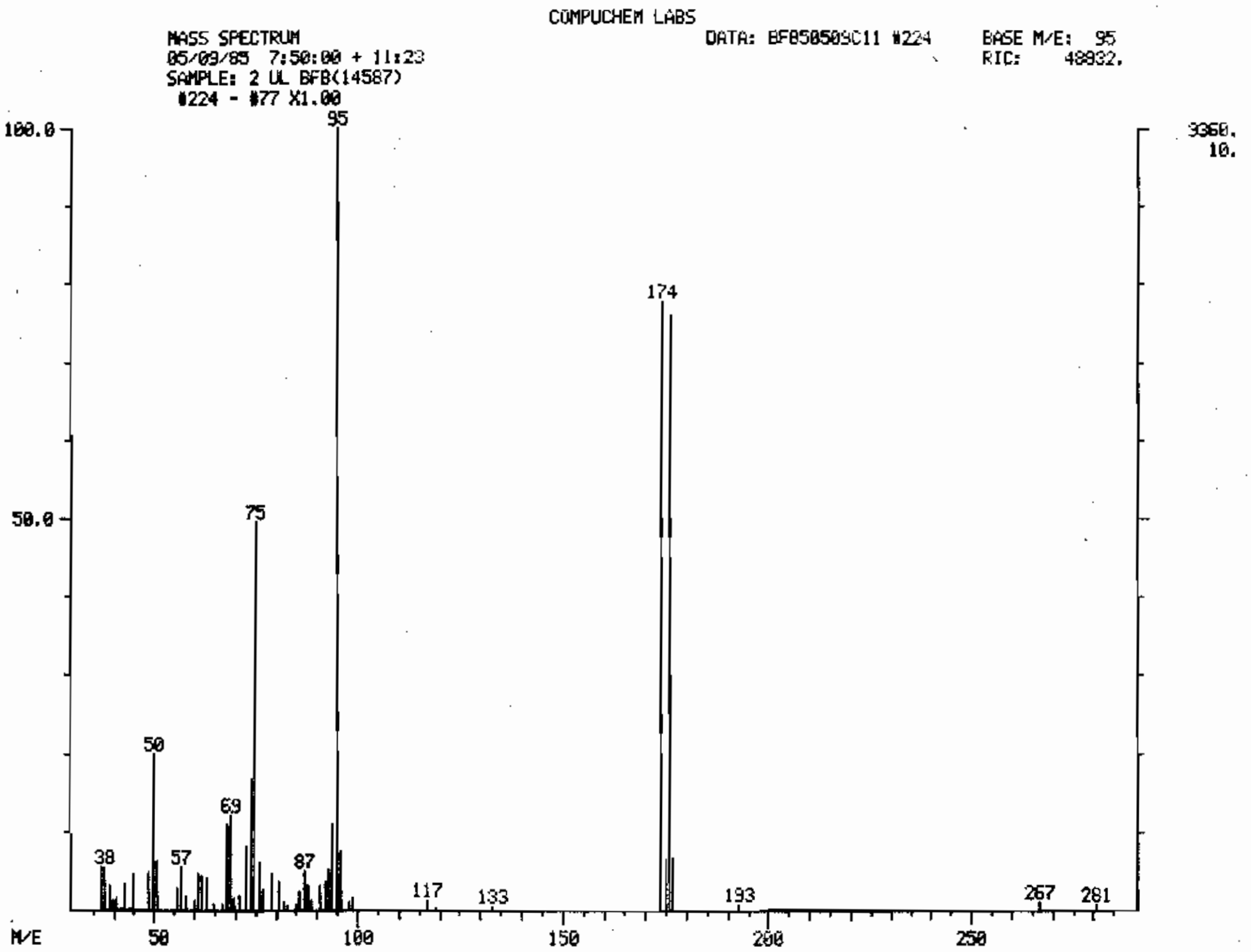

COMPUCHEM LABS
MASS SPECTRUM
05/09/85 9:11:00 + 11:12
SAMPLE: 2 UL BFB # 14587
#328 - #50 X1.00
DATA: BF850509A12 #328
BASE M/E: 95
RIC: 51200.
100.0
50.0
6464.
10.
M/E
50
100
200
250
95
174
119
71
75
57
134
41
50
85
63
103
127
141
155
191
200
253

COMPUCHEM LABS

MASS LIST DATA: BF850509A12 # 328 BASE M/E: 95
05/09/85 9:11:00 + 11:12 RIC: 51200.
SAMPLE: 2 UL BFB # 14587
28 - #50 X1.00

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 6464.
253 # 0 MAXIMA

MASS	% RA	MASS	% RA
37	3.57	110	0.84
38	4.92	111	3.05
39	6.37	112	2.57
40	1.33	113	2.29
41	16.92	115	5.85
42	5.45	116	1.42
43	14.71	117	5.85
49	3.40	118	1.25
50	17.67	119	68.44
51	9.31	120	7.77
53	3.37	123	0.53
54	2.61	125	1.96
55	7.78	126	1.39
56	11.43	127	5.31
57	21.69	128	1.59
61	0.05	131	1.21
62	1.73	133	4.44
63	4.63	134	20.76
65	4.18	135	1.73
67	3.02	138	0.17
68	10.80	140	2.85
69	15.08	141	5.60
70	15.04	148	6.02
71	32.74	155	0.22
72	4.35	163	1.67
73	5.57	165	0.22
74	13.91	168	0.06
75	26.14	174	79.08
76	4.75	175	5.43
77	3.99	176	77.60
78	1.52	177	5.77
79	3.88	191	0.19
80	1.41	208	1.21
81	1.01	253	1.16
82	3.48		
83	6.22		
84	5.34		
85	15.93		
87	5.11		
88	2.34		
91	6.13		
92	4.39		
93	3.99		
94	13.06		
95	100.00		
96	7.35		
98	1.08		
99	3.48		
103	3.73		
109	0.94		


COMPUCHEM LABS
MASS SPECTRUM
05/09/85 7:50:00 + 11:23
SAMPLE: 2 UL BFB(14587)
#224 - #77 X1.00
DATA: BFB850509C11 #224
BASE M/E: 95
RIC: 48932.
100.0
50.0
3360.
10.
95
174
75
50
69
38
57
87
117
133
193
267
281
M/E
50
100
150
200
250

COMPUCHEM LABS

MASS LIST DATA: BF850509C11 # 224 BASE M/E: 95
05/09/85 7:50:00 + 11:23 RIC: 48932.
SAMPLE: 2 UL BFB(14587)
#224 - #77 X1.00

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 9360.
281 # 0 MAXIMA

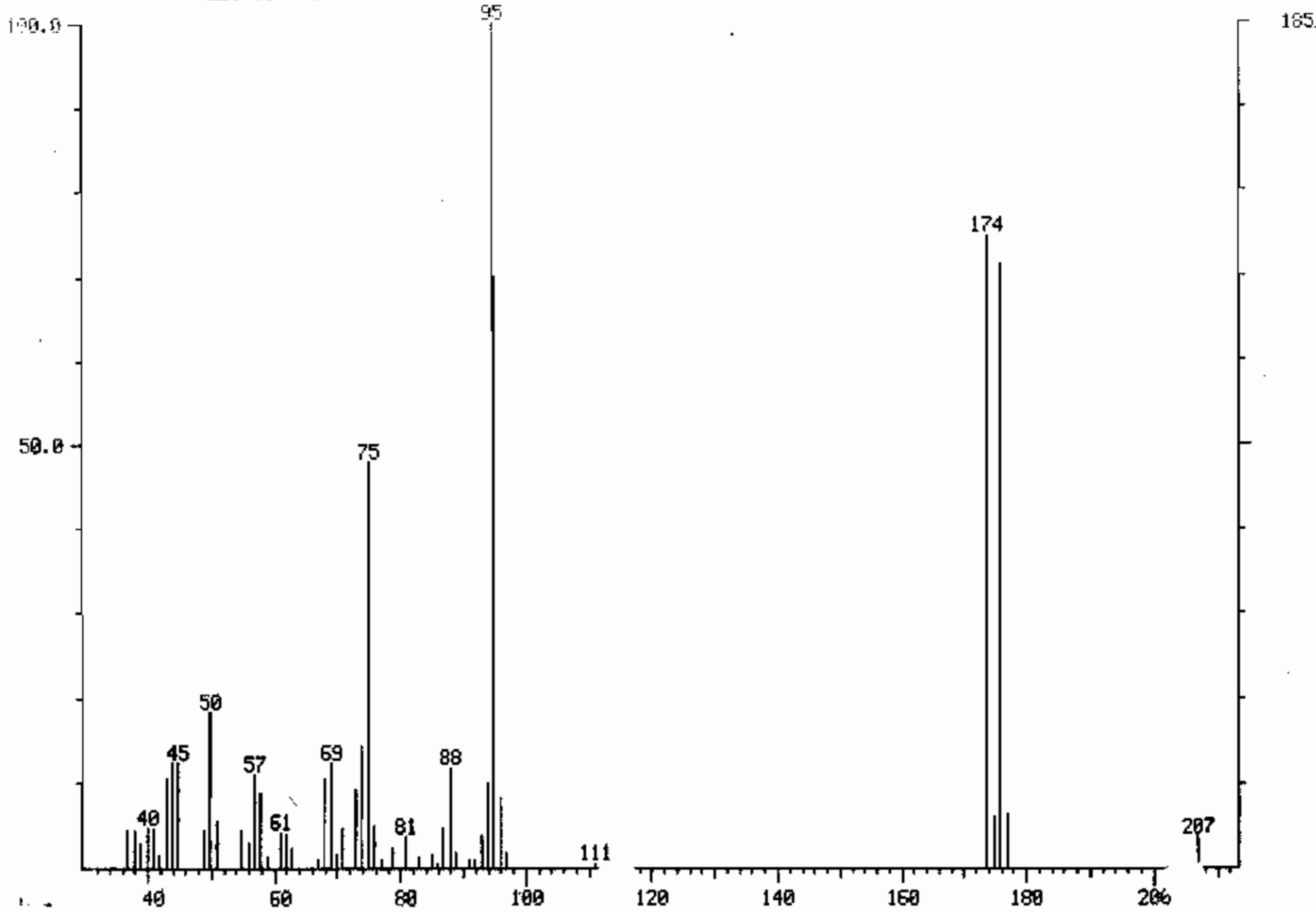
MASS	% RA	MASS	% RA
37	5.46	133	0.40
38	5.60	174	77.69
39	3.14	175	6.65
40	1.20	176	75.98
41	1.50	177	6.75
42	0.37	193	0.82
43	3.32	267	1.12
44	0.14	281	0.88
45	4.69		
49	5.01		
50	19.87		
51	6.41		
55	0.13		
56	2.97		
57	5.42		
58	1.84		
60	1.21		
61	4.84		
62	4.39		
63	4.11		
65	0.84		
67	0.87		
68	11.11		
69	12.16		
70	1.54		
71	1.75		
73	8.13		
74	16.77		
75	49.49		
76	6.10		
77	2.51		
79	4.63		
81	3.62		
82	1.09		
83	0.65		
85	0.89		
86	2.37		
87	5.03		
88	3.04		
89	1.30		
91	3.15		
92	3.59		
93	5.17		
94	11.00		
95	100.00		
96	7.53		
98	1.01		
99	1.66		
117	1.40		
119	0.32		

COMPUCHEM LABS

MASS SPECTRUM
05/07/85 4:24:00 + 11:20
SAMPLE: 2ULOF BFB#14541(7008)
#223 TO #224 SUMMED

DATA: BF850507C11 #223

BASE M/E: 95
RIC: 101760.



COMPUCHEM LABS

] ; LIST DATA: BF050507C11 # 223 BASE M/E: 95

08/07/85 4:24:00 + 11:20 RIC: 101760.

SAMPLE: 2ULOF BFB#14541(7008)

#223 TO #224 SUMMED

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 18528.

207 # 0 MAXIMA

MASS	% RA	MASS	% RA
37	4.35	207	3.59
38	4.38		
39	2.90		
40	4.84		
41	4.64		
42	1.52		
43	10.60		
44	12.22		
45	12.44		
49	4.45		
50	18.20		
51	5.58		
55	4.39		
56	2.96		
57	11.00		
58	8.89		
59	1.36		
61	4.08		
62	3.91		
63	2.26		
67	1.07		
68	10.38		
69	12.26		
70	1.49		
71	4.66		
73	9.13		
74	14.40		
75	48.01		
76	5.04		
77	0.97		
79	2.40		
81	3.73		
83	1.37		
85	1.58		
86	0.44		
87	4.84		
88	11.90		
89	1.88		
91	1.12		
92	0.96		
93	3.81		
94	9.82		
95	100.00		
96	8.32		
97	1.92		
111	0.55		
174	74.61		
175	6.02		
176	71.33		

ironmental Protection Agency, CLP Sample Management Office
. Box 818, Alexandria, VA 22313 703-557-2490

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CB850509B1
Sample matrix: solid
Data Release
Authorized By: _____

Case:
GC Report No: _____
Contract No: 68-01-7017
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed:
Conc/Dil Factor: 1.00 pH:
Percent moisture: 0%
Percent moisture (decanted):

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	4.3	J	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	9.2	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

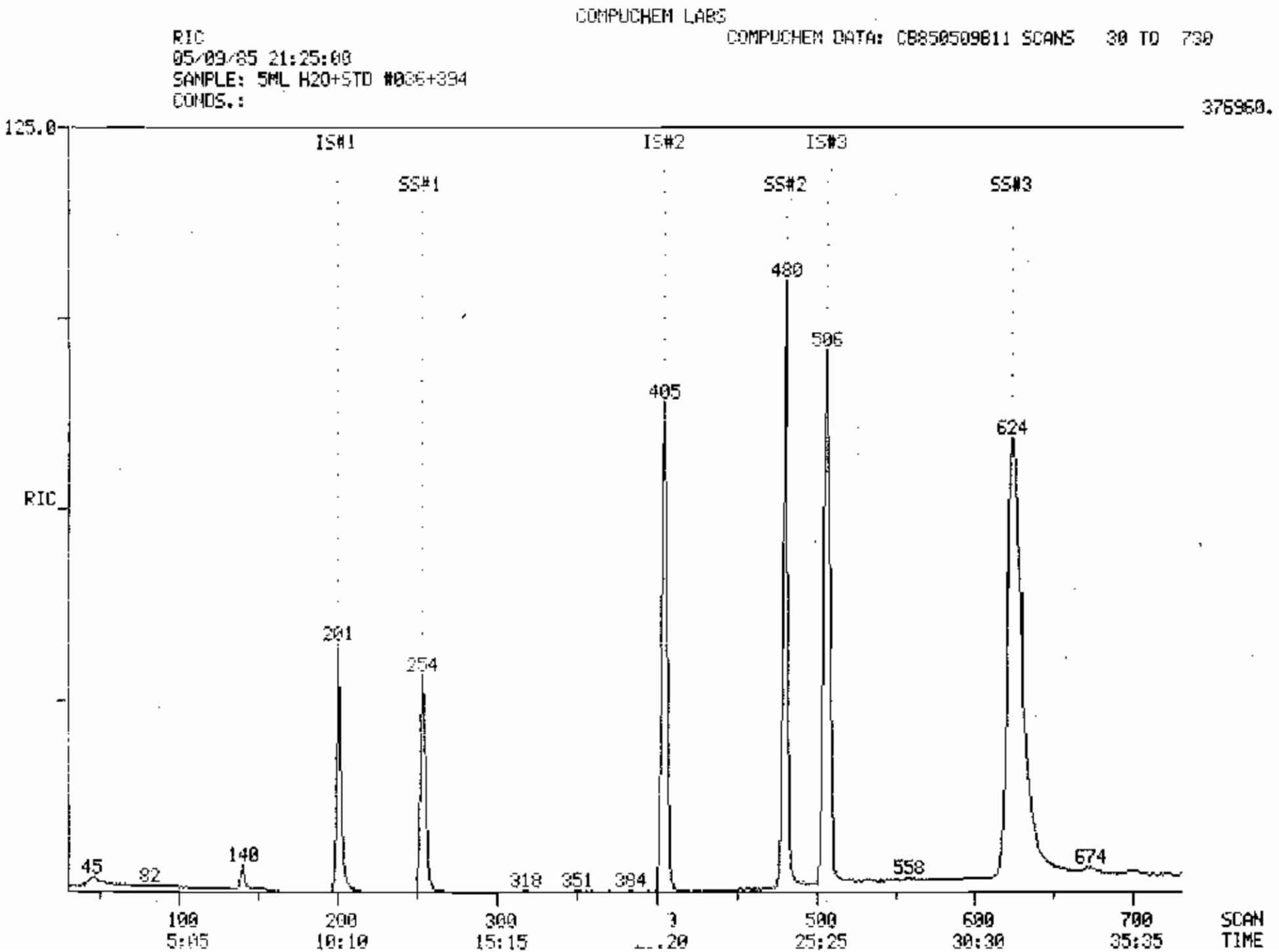
Environmental Protection Agency. CLP Sample Management Office.
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
INST. 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.	NONE	VOA		
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: CB850509B11 SCANS 30 TO 730
05/09/85 21:25:00
SAMPLE: 5ML H2O+STD #0036+394
CONDS.:
376960.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
480
506
405
624
201
254
RIC
45
82
140
318
351
384
558
674
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 5/09/85 22:12.38
DATA FILE: CB850509B11
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	3	1	1	42	7	1	62	E237S/E237U

42 COMPOUNDS PROCESSED. 7 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	E1	1	-198	201	201	.	1	985	.	128	201	.	1
2	E2	1	-404	405	405	.	1	994	.	114	405	.	1
3	E3	1	-506	506	506	.	1	977	.	117	506	.	1
4	E1	2	-41	44	.	.	.	.	.	50	.	.	.
5	E1	3	-60	63	.	.	.	.	.	94	.	.	.
6	E1	4	-76	79	.	.	.	.	.	62	.	.	.
7	E1	5	-95	98	.	.	.	.	.	64	.	.	.
8	E1	6	-137	140	140	.	1	946	.	84	140	.	1
9	E1	7	-148	151	.	.	.	.	.	43	152	.	1
10	E1	8	-167	170	.	.	.	.	.	76	.	.	.
11	E1	9	-190	192	.	.	.	.	.	96	.	.	.
12	E1	10	-215	217	.	.	.	.	.	63	.	.	.
13	E1	11	-230	232	.	.	.	.	.	96	.	.	.
14	E1	12	-240	242	.	.	.	.	.	83	.	.	.
15	E1	13	-255	257	.	.	.	.	.	62	.	.	.
16	E2	2	-253	255	.	.	.	.	.	72	.	.	.
	E2	3	-281	283	.	.	.	.	.	97	.	.	.
18	E2	4	-289	291	.	.	.	.	.	117	.	.	.
19	E2	5	-291	293	.	.	.	.	.	43	.	.	.
20	E2	6	-298	300	.	.	.	.	.	83	.	.	.
21	E2	7	-326	328	.	.	.	.	.	63	.	.	.
22	E2	8	-331	333	.	.	.	.	.	75	.	.	.
23	E2	9	-342	343	.	.	.	.	.	130	.	.	.
24	E2	10	-354	355	.	.	.	.	.	129	.	.	.
25	E2	11	-356	357	.	.	.	.	.	97	.	.	.
26	E2	12	-353	354	.	.	.	.	.	78	355	.	1
27	E2	13	-357	358	.	.	.	.	.	75	.	.	.
28	E2	14	-378	379	.	.	.	.	.	63	.	.	.
29	E2	15	-408	409	.	.	.	.	.	173	.	.	.
30	E3	2	-419	420	.	.	.	.	.	43	.	.	.
31	E3	3	-450	451	.	.	.	.	.	43	451	.	2
32	E3	4	-455	456	.	.	.	.	.	164	.	.	.
33	E3	5	-454	455	.	.	.	.	.	83	.	.	.
34	E3	6	-483	484	.	.	.	.	.	92	483	.	1
35	E3	7	-508	508	.	.	.	.	.	112	.	.	.
36	E3	8	-558	558	.	.	.	.	.	106	559	.	1
37	E3	9	-665	664	.	.	.	.	.	104	.	.	.
38	E3	10	-674	673	.	.	.	.	.	106	673	.	2
39	E3	11	-701	700	.	.	.	.	.	106	700	.	3
40	E4	2	-253	255	254	-1	1	977	.	65	254	.	1
41	E4	3	-624	624	624	.	1	993	.	95	624	.	1
2	E4	4	-479	480	480	.	1	987	.	98	480	.	1

QUANTITATION REPORT FILE: CB[illegible]B11

DATA: CB850509B11.TI
05/09/85 21:35:00
MPLE: 5ML H2O+STD #036+394
NDS.:
SUBMITTED BY: 11 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORH
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
[illegible]	212 BROMODICHLOROMETHANE
[illegible]	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROHOFLUOROBENZENE
42	# DB-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
.	128	201	10:13	1	1.000	A BV	67089.	50.000 UG/L	15.62
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
	64	NOT FOUND								
6	84	140	7:07	1	0.697	A BB	9777.	4.338	UG/L	1.36
7	43	152	7:44	1	0.756	A VB	3439.	9.255	UG/L	2.89
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	405	20:35	14	1.000	A BV	333618.	50.000	UG/L	15.62
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	355	18:03	14	0.877	A BB	457.	0.083	UG/L	0.03
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	506	25:43	29	1.000	A BV	339513.	50.000	UG/L	15.62
30	43	NOT FOUND								
	43	451	22:56	29	0.891	A*VV	1748.	2.400	UG/L	0.75
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	483	24:33	29	0.955	A BB	1335.	0.310	UG/L	0.10
35	112	NOT FOUND								
36	106	559	28:25	29	1.105	A BB	450.	0.125	UG/L	0.04
37	104	NOT FOUND								
38	106	673	34:13	29	1.330	A*VV	3189.	0.644	UG/L	0.20
39	106	700	35:35	29	1.383	A*VV	2573.	0.600	UG/L	0.19
40	65	254	12:55	1	1.264	A BV	136148.	49.633	UG/L	15.51
41	95	624	31:43	29	1.233	A BB	339837.	51.735	UG/L	16.16
42	98	480	24:24	1	2.388	A BV	398919.	50.964	UG/L	15.92

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:04	1.02	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:05		10.000			50.00		1.788	
3	3:03		10.000			50.00		2.014	
4	3:52		10.000			50.00		1.752	
5	4:50		10.000			50.00		0.978	
6	6:58	1.02	5.000	0.14	4.34	50.00	0.146	1.680	0.09
7	7:31	1.03	10.000	0.08	9.25	50.00	0.051	0.277	0.19
8	8:29		5.000			50.00		2.546	
9	9:39		5.000			50.00		1.075	
10	10:56		5.000			50.00		1.983	
11	11:41		5.000			50.00		1.153	
12	12:12		5.000			50.00		2.753	
13	12:58		5.000			50.00		1.914	
14	20:32	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	12:52		10.000			50.00		0.019	
16	14:17		5.000			50.00		0.416	
	14:41		5.000			50.00		0.421	
	14:48		10.000			50.00		0.302	
19	15:09		5.000			50.00		0.484	
20	16:34		5.000			50.00		0.280	
21	16:50		5.000			50.00		0.181	
22	17:23		5.000			50.00		0.432	
23	18:00		5.000			50.00		0.478	
24	18:06		5.000			50.00		0.296	
25	17:57	1.01	5.000	0.18	0.08	50.00	0.001	0.827	0.00
26	18:09		5.000			50.00		0.622	
27	19:13		10.000			50.00		0.122	
28	20:44		5.000			50.00		0.305	
29	25:43	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:18		10.000			50.00		0.174	
31	22:52	1.00	10.000	0.09	2.40	50.00	0.005	0.107	0.05
32	23:08		5.000			50.00		0.437	
33	23:05		5.000			50.00		0.403	
34	24:33	1.00	5.000	0.19	0.31	50.00	0.004	0.635	0.01
35	25:49		5.000			50.00		0.972	
36	28:22	1.00	5.000	0.22	0.13	50.00	0.001	0.530	0.00
37	33:48		5.000			50.00		1.075	
38	34:16	1.00	5.000	0.27	0.64	50.00	0.009	0.729	0.01
39	35:38	1.00	5.000	0.28	0.60	100.00	0.004	0.631	0.01
40	12:52	1.00	10.000	0.13	49.63	50.00	2.029	2.044	0.99
41	31:43	1.00	10.000	0.12	51.74	50.00	1.001	0.967	1.03
42	24:21	1.00	10.000	0.24	50.96	50.00	5.946	5.834	1.02

INTERNAL ST

METHOD: E237 FILENAME: CB050509B11 DATE: 05/09/85
SHIFT STD: CT050509A11 TIME: 21:25

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
* BROMOCHLOROMETHANE (I8)	67088.	59680.	12.	PASS
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	333617.	309280.	8.	PASS
* D5 CHLOROBENZENE(INTERNAL STANDARD)	339512.	322431.	5.	PASS

Volatile - Medium or Low Level Liquid

No	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result(*) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	4.3		J	5.0
7	252	___	ACETONE (2-PROPANONE)	9.2		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE			BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
[illegible]	203	___	BENZENE			BDL	5.0
	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
27	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/	___	241 O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

No	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40		D4-1,2-DICHLOROETHANE	49.6	50.0	99.0	77-120	X	
41		BROMOFLUOROBENZENE	51.7	50.0	103.0	85-121	X	
42		D8-TOLUENE	51.0	50.0	102.0	86-119	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:

$$\frac{5000 \text{ uL}}{\text{Volume of Sample Purged (uL)}} =$$

$$\frac{5000 \text{ uL}}{5000. \text{ (uL)}} = 1.000$$

Quant Report amount spiked conversion factor:

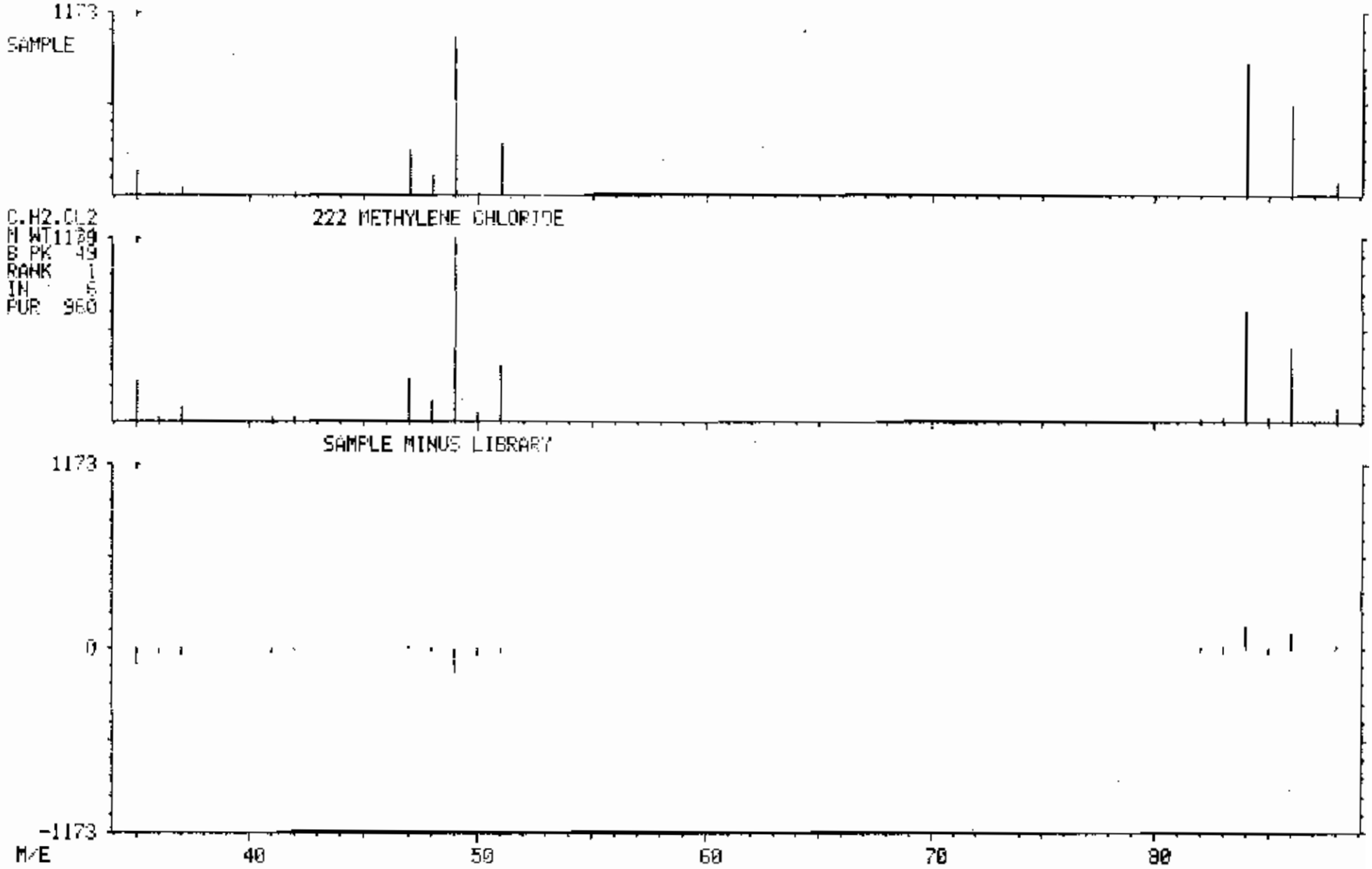
The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

COMPUCHEM LABS

LIBRARY SEARCH
05/09/85 21:25:00 + 7:07
SAMPLE: 5ML H20+STD #03E+3S4
ENHANCED (S 15B 2N 0T)

DATA: CB850509B11 # 140

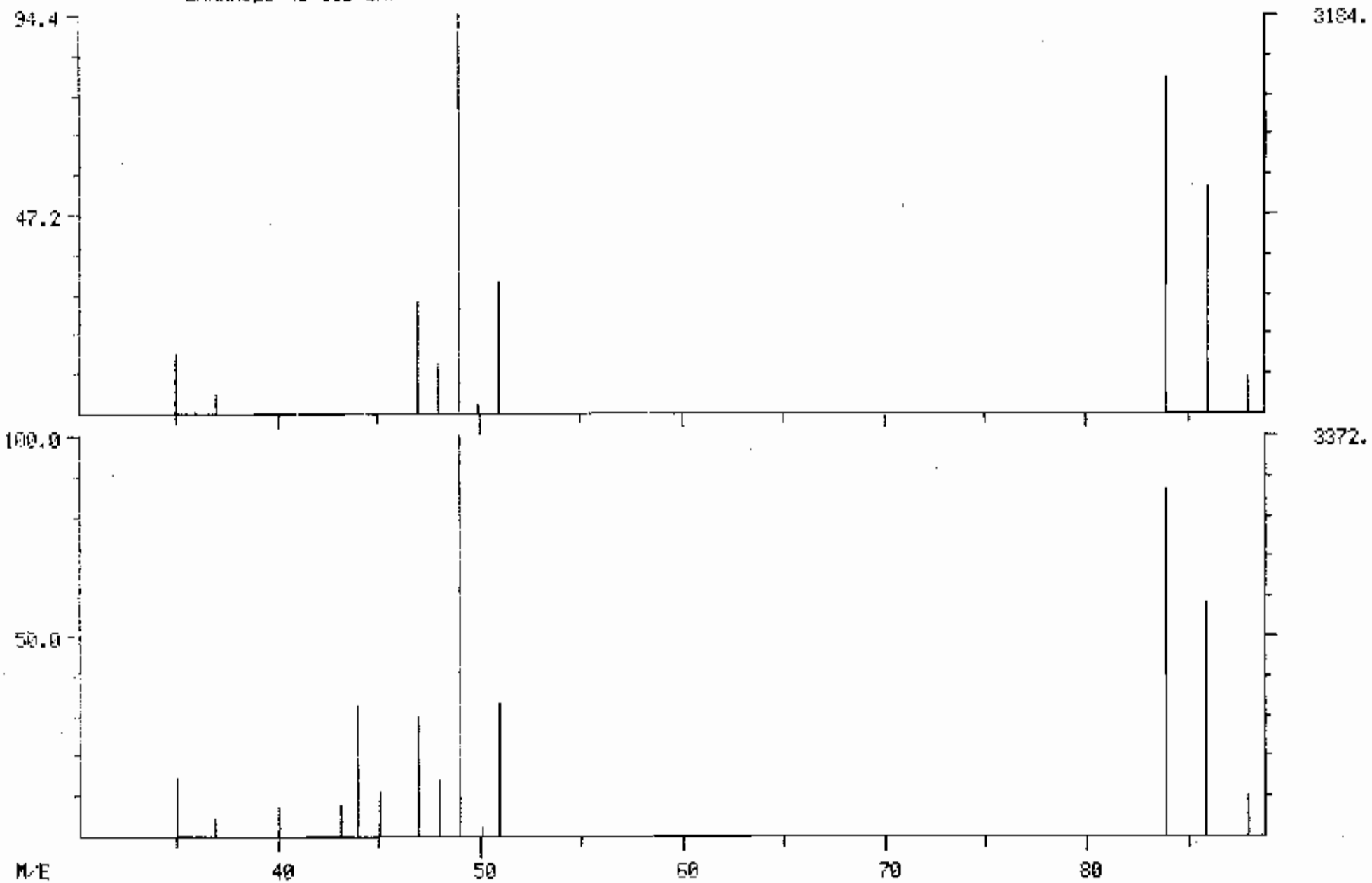
BASE M/E: 49
RIC: 11103.



COMPUCHEM LABS

DUAL MASS SPECTRUM
05/09/85 21:25:00 + 7:07
SAMPLE: 5ML H2O+STD #0036+0394
ENHANCED (S 15B 2ND)

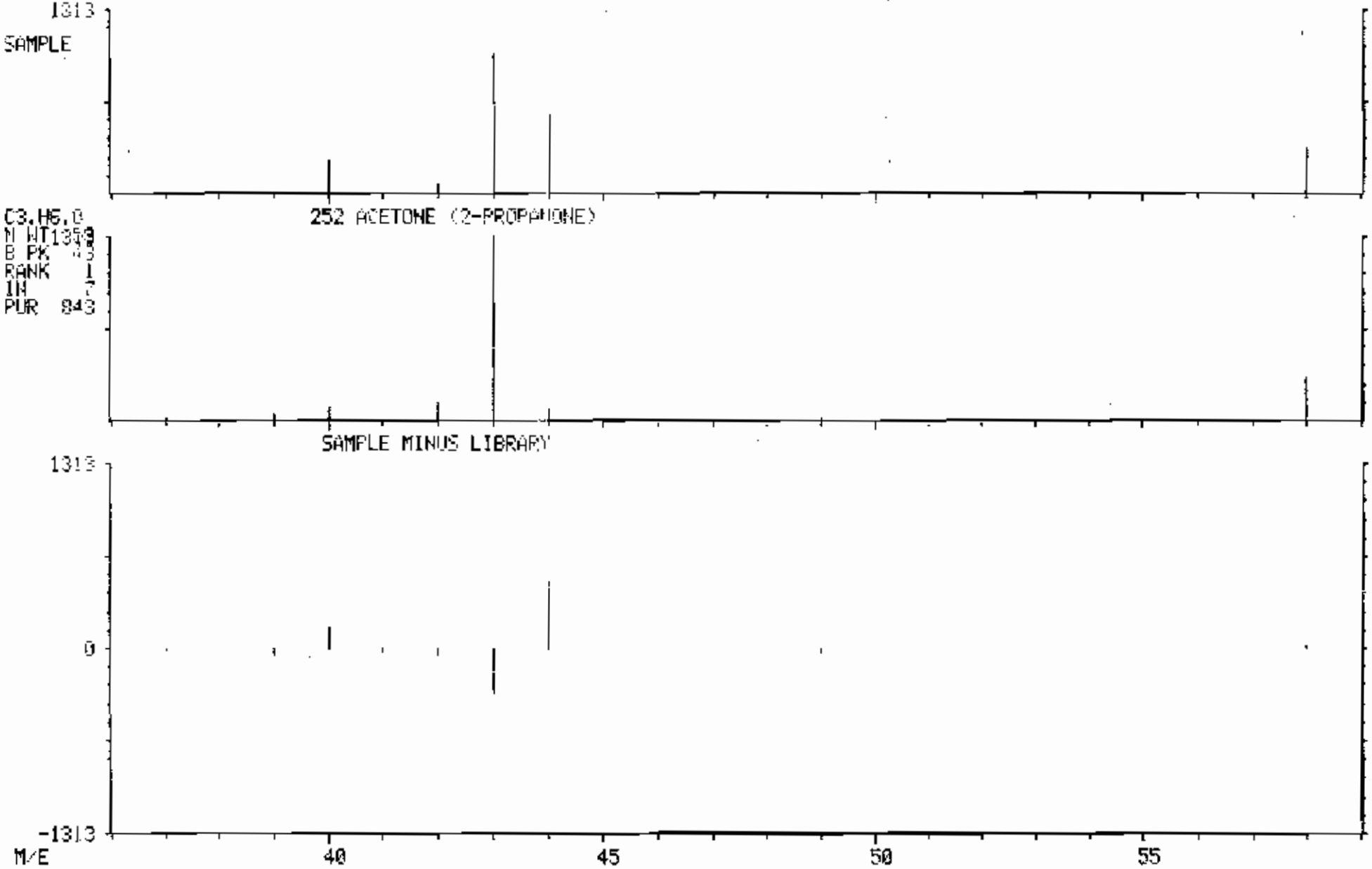
DATA: CB850509B11 #140 BASE M/E: 49/ 49
RIC: 11193./ 13871.



COMPUCHEM LABS

LIBRARY SEARCH
05/09/85 21:25:00 + 7:44
SAMPLE: 5ML H20+STD #0364-384
ENHANCED (S 15B 2N 0T)

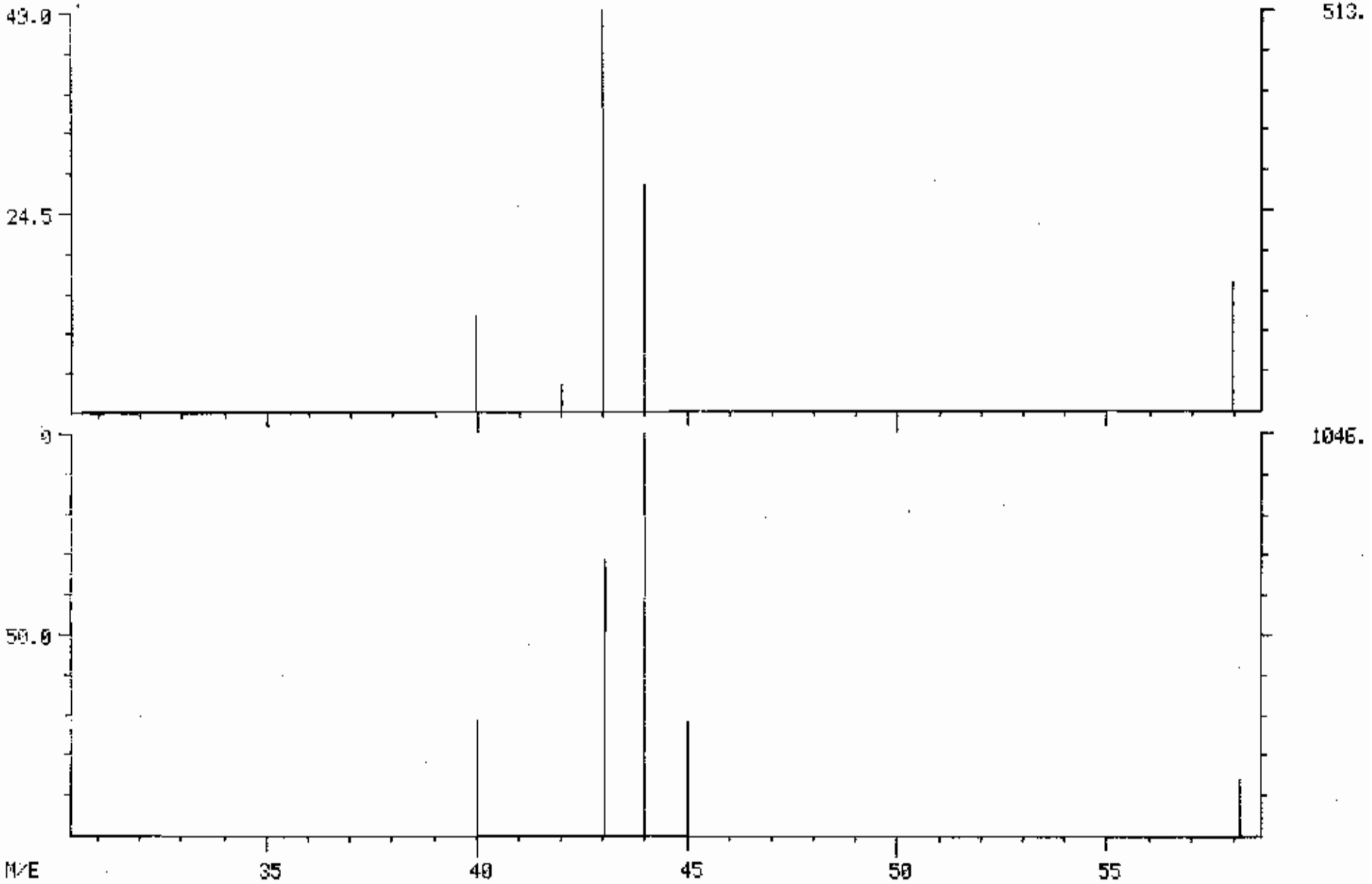
DATA: C8850503B11 # 152
BASE M/E: 43
RIC: 1127.



CC ...EN LABS

DUAL MASS SPECTRUM
05/09/85 21:25:00 + 7:44
SAMPLE: 5ML H2O+STD #0036+334
ENHANCED (S 15B 2N)

DATA: CB850509B11 #152 BASE M/E: 43/ 44
RIC: 1127./ 2507.



onmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CC650509A12
Sample matrix: liquid
Data Release
Authorized By: _____

Case:
QC Report No: _____
Contract No: 68-01-7017
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed:
Conc/Dil Factor: 1.00 pH:
Percent moisture: N/A
Percent moisture (decanted):

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	3.7	J	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	10.	U	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

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

Sample Number
INST. 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.	NONE	VOA		
2.				
3.				
4.				
5.				
6.				
7.				
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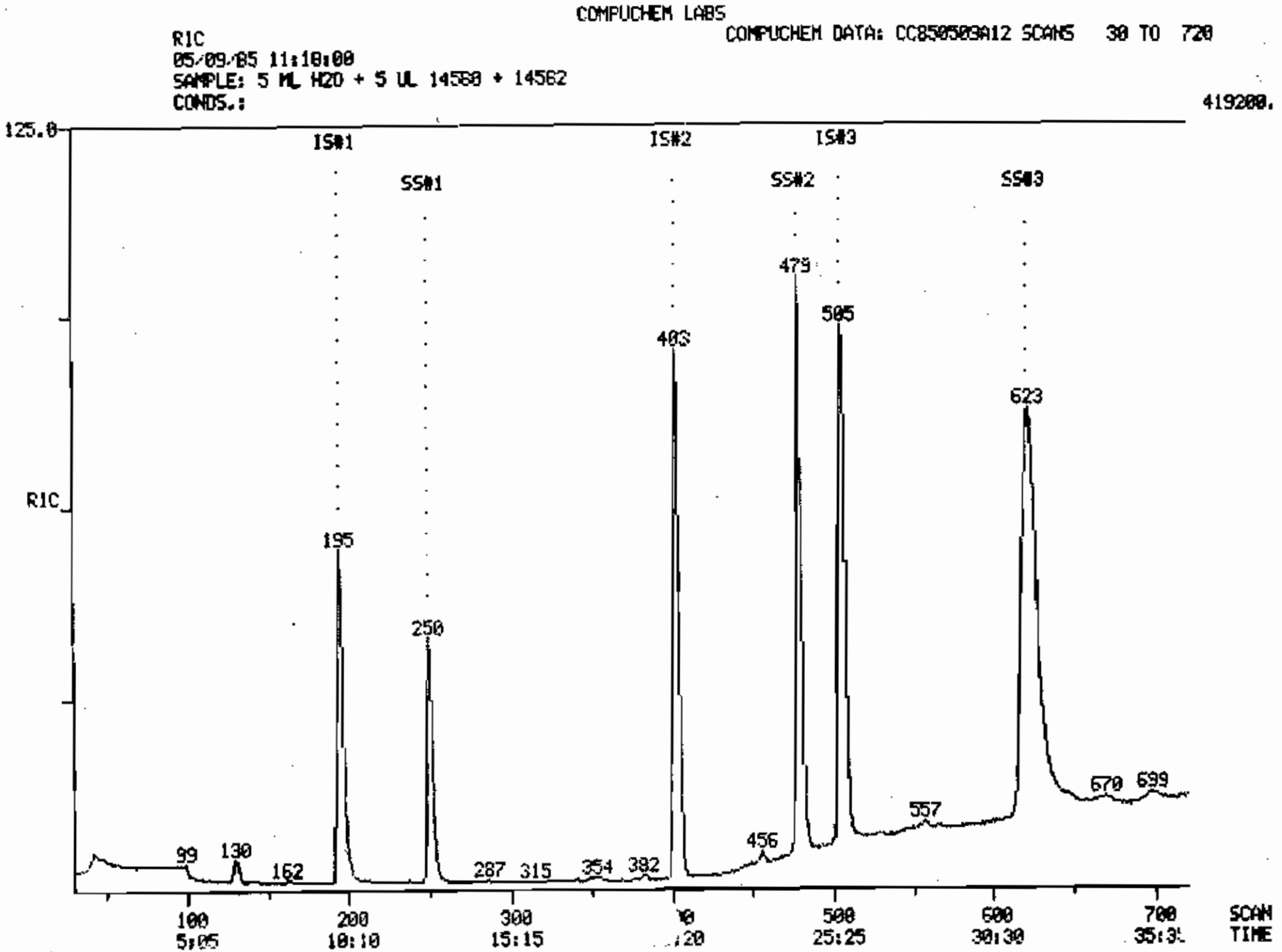
28.				
29.				
30.				


COMPUCHEM LABS
COMPUCHEM DATA: CC850503A12 SCANS 30 TO 720
RIC
05/09/85 11:18:00
SAMPLE: 5 ML H2O + 5 UL 14588 + 14562
CONDS.:
419200.
125.0
RIC
IS#1
SS#1
IS#2
SS#2
IS#3
SS#3
195
250
403
479
505
623
99
130
162
287
315
354
382
456
557
670
699
100
5:05
200
10:10
300
15:15
20
500
25:25
600
30:30
700
35:3
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 5/07/85 11:32:55
DATA FILE: CC850509A12
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E2378

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	42	7	1	BT	E237S/E23TU

42 COMPOUNDS PROCESSED, 7 FOUND

COMPOUND			SEARCH					BAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-197	195	195	.	1	970	.	128	195	.	1
2	E2	1	-403	403	403	.	1	997	.	114	403	.	1
3	E3	1	-505	505	505	.	1	984	.	117	505	.	1
4	E1	2	-38	35	.	.	.	.	.	50	.	.	.
5	E1	3	-57	54	.	.	.	.	.	94	.	.	.
6	E1	4	-72	69	.	.	.	.	.	62	.	.	.
7	E1	5	-91	88	.	.	.	.	.	64	.	.	.
8	E1	6	-134	131	130	-1	1	931	.	84	130	.	1
9	E1	7	-145	142	.	.	.	.	.	43	142	.	1
10	E1	8	-165	163	.	.	.	.	.	76	163	.	1
11	E1	9	-188	186	.	.	.	.	.	96	.	.	.
12	E1	10	-213	211	.	.	.	.	.	63	213	.	1
13	E1	11	-227	225	.	.	.	.	.	96	.	.	.
14	E1	12	-238	236	.	.	.	.	.	83	238	.	1
15	E1	13	-253	251	.	.	.	.	.	62	.	.	.
16	E2	2	-251	249	.	.	.	.	.	72	251	.	1
17	E2	3	-280	278	.	.	.	.	.	97	279	.	1
18	E2	4	-288	286	.	.	.	.	.	117	287	.	1
19	E2	5	-290	288	.	.	.	.	.	43	.	.	.
20	E2	6	-297	295	.	.	.	.	.	83	297	.	1
21	E2	7	-325	324	.	.	.	.	.	60	.	.	.
22	E2	8	-330	329	.	.	.	.	.	75	.	.	.
23	E2	9	-341	340	.	.	.	.	.	130	341	.	1
24	E2	10	-353	352	.	.	.	.	.	129	353	.	1
25	E2	11	-355	354	.	.	.	.	.	97	355	.	1
26	E2	12	-352	351	.	.	.	.	.	78	352	.	1
27	E2	13	-356	355	.	.	.	.	.	75	356	.	1
28	E2	14	-378	377	.	.	.	.	.	63	.	.	.
29	E2	15	-408	407	.	.	.	.	.	173	408	.	1
30	E3	2	-419	418	.	.	.	.	.	43	419	.	1
31	E3	3	-450	450	.	.	.	.	.	43	.	.	.
32	E3	4	-456	456	.	.	.	.	.	164	456	.	1
33	E3	5	-454	454	.	.	.	.	.	83	454	.	1
34	E3	6	-483	483	.	.	.	.	.	92	483	.	1
35	E3	7	-508	508	.	.	.	.	.	112	508	.	1
36	E3	8	-557	557	.	.	.	.	.	106	558	.	1
37	E3	9	-662	663	.	.	.	.	.	104	663	.	1
38	E3	10	-670	671	.	.	.	.	.	106	671	.	1
39	E3	11	-697	698	.	.	.	.	.	106	699	.	1
40	E4	2	-251	249	250	1	1	978	.	65	250	.	1
41	E4	3	-622	623	622	-1	1	995	.	95	622	.	1
42	E4	4	-479	479	479	.	1	988	.	98	479	.	1

QUANTITATION REPORT FILE: CC850509A12

DATA: CC850509A12.TI
05/09/85 11:18:00
SAMPLE: 5 ML H20 + 5 UL 14580 + 14582
METHOD:
SUBMITTED BY: 12 ANALYST: 577

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
	212 BROMODICHLOROMETHANE
	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* 05 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	* D4-1,2-DICHLOROETHANE
41	* BROMOFLUOROBENZENE
42	* D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	195	9:55	1	1.000	A BB	133942.	50.000 UG/L	15.62
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	94	NOT FOUND								
4	62	NOT FOUND								
	64	NOT FOUND								
6	84	130	6:36	1	0.667	A BB	11316.	3.769	UG/L	1.18
7	43	142	7:13	1	0.728	A BV	2514.	4.338	UG/L	1.36
8	76	163	8:17	1	0.836	A BB	2228.	0.265	UG/L	0.08
9	96	NOT FOUND								
10	63	213	10:50	1	1.092	A BB	508.	0.102	UG/L	0.03
11	96	NOT FOUND								
12	83	238	12:06	1	1.221	A BB	1404.	0.216	UG/L	0.07
13	62	NOT FOUND								
14	114	403	20:29	14	1.000	A BV	492578.	50.000	UG/L	15.62
15	72	251	12:46	14	0.623	A BB	1310.	5.410	UG/L	1.69
16	97	279	14:11	14	0.692	A BB	927.	0.183	UG/L	0.06
17	117	287	14:35	14	0.712	A BB	1303.	0.242	UG/L	0.08
18	43	NOT FOUND								
19	83	297	15:06	14	0.737	A BB	882.	0.150	UG/L	0.05
20	63	NOT FOUND								
21	75	NOT FOUND								
22	130	341	17:20	14	0.846	A BB	1082.	0.224	UG/L	0.07
23	129	353	17:57	14	0.876	A BB	923.	0.173	UG/L	0.05
24	97	355	18:03	14	0.881	A BB	1076.	0.361	UG/L	0.11
25	78	352	17:54	14	0.873	A BB	5577.	0.837	UG/L	0.26
26	75	356	18:06	14	0.883	A BB	2083.	0.332	UG/L	0.10
27	63	NOT FOUND								
28	173	408	20:44	14	1.012	A BB	1766.	0.384	UG/L	0.12
29	117	505	25:40	29	1.000	A BB	458666.	50.000	UG/L	15.62
30	43	419	21:18	29	0.830	A BB	3483.	1.313	UG/L	0.41
	43	NOT FOUND								
32	164	456	23:11	29	0.903	A BB	1937.	8.392	UG/L	0.12
33	83	454	23:05	29	0.899	A BB	3149.	0.707	UG/L	0.22
34	92	483	24:33	29	0.956	A BB	3731.	0.695	UG/L	0.22
35	112	508	25:49	29	1.006	A VB	5780.	0.662	UG/L	0.21
36	186	558	28:22	29	1.105	A BB	3422.	0.736	UG/L	0.23
37	104	663	33:42	29	1.313	A BV	6556.	0.583	UG/L	0.18
38	106	671	34:07	29	1.329	A BB	5847.	0.931	UG/L	0.29
39	106	699	35:32	29	1.384	A BB	11557.	1.913	UG/L	0.60
40	65	250	12:42	1	1.282	A BB	202222.	48.732	UG/L	15.23
41	95	622	31:37	29	1.232	A BB	356577.	48.397	UG/L	15.12
42	98	479	24:21	1	2.456	A BB	458088.	48.024	UG/L	15.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	10:01	0.99	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:56		10.000			50.00		0.880	
3	2:54		10.000			50.00		1.474	
4	3:40		10.000			50.00		1.198	
5	4:38		10.000			50.00		0.626	
6	6:49	0.97	5.000	0.13	3.77	50.00	0.084	1.121	0.08
7	7:22	0.98	10.000	0.07	4.34	50.00	0.019	0.216	0.09
8	8:23	0.99	5.000	0.17	0.27	50.00	0.017	3.133	0.01
9	9:33		5.000			50.00		1.062	
10	10:53	1.00	5.000	0.22	0.10	50.00	0.004	1.852	0.00
11	11:35		5.000			50.00		1.077	
12	12:09	1.00	5.000	0.24	0.22	50.00	0.010	2.421	0.00
13	12:55		5.000			50.00		1.550	
14	20:32	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	12:49	1.00	10.000	0.06	5.41	50.00	0.003	0.025	0.11
16	14:17	0.99	5.000	0.14	0.18	50.00	0.002	0.515	0.00
	14:41	0.99	5.000	0.14	0.24	50.00	0.003	0.546	0.00
18	14:44		10.000			50.00		0.417	
19	15:09	1.00	5.000	0.15	0.15	50.00	0.002	0.596	0.00
20	16:34		5.000			50.00		0.335	
21	16:50		5.000			50.00		0.234	
22	17:23	1.00	5.000	0.17	0.22	50.00	0.002	0.490	0.00
23	18:00	1.00	5.000	0.18	0.17	50.00	0.002	0.541	0.00
24	18:06	1.00	5.000	0.18	0.36	50.00	0.002	0.303	0.01
25	17:57	1.00	5.000	0.17	0.84	50.00	0.011	0.676	0.02
26	18:09	1.00	5.000	0.18	0.33	50.00	0.004	0.638	0.01
27	19:13		10.000			50.00		0.190	
28	20:44	1.00	5.000	0.20	0.38	50.00	0.004	0.467	0.01
29	25:43	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:18	1.00	10.000	0.08	1.31	50.00	0.008	0.289	0.03
31	22:56		10.000			50.00		0.188	
32	23:11	1.00	5.000	0.18	0.39	50.00	0.004	0.538	0.01
33	23:08	1.00	5.000	0.18	0.71	50.00	0.007	0.486	0.01
34	24:36	1.00	5.000	0.19	0.70	50.00	0.008	0.585	0.01
35	25:52	1.00	5.000	0.20	0.66	50.00	0.013	0.952	0.01
36	28:22	1.00	5.000	0.22	0.74	50.00	0.007	0.507	0.01
37	33:42	1.00	5.000	0.26	0.58	50.00	0.014	1.226	0.01
38	34:10	1.00	5.000	0.27	0.93	50.00	0.013	0.685	0.02
39	35:29	1.00	5.000	0.28	1.91	100.00	0.013	0.659	0.02
40	12:49	0.99	10.000	0.13	48.73	50.00	1.510	1.549	0.97
41	31:40	1.00	10.000	0.12	48.40	50.00	0.777	0.803	0.97
42	24:24	1.00	10.000	0.25	48.02	50.00	3.420	3.561	0.96

internal standard monitor

file

	sample	slift std	% Diff	P/F
Bromochloromethane	133942	135458	1	Pass
Difluorobenzene	492578	512685	4	Pass
D5 Chlorobenzene	458666	467399	2	Pass

Volatile - Medium or Low Level Liquid

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(#) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	3.7		J	5.0
7	232	___	ACETONE (2-PROPANONE)			BDL	10.0
8	234	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE	3.4		BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENIENE			BDL	5.0
[illegible]	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
27	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/241	___	O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

No	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40		D4-1,2-DICHLOROETHANE	48.7	50.0	97.0	77-120	X	
41		BROMOFLUOROBENZENE	46.4	50.0	97.0	85-121	X	
42		D8-TOLUENE	48.0	50.0	96.0	86-119	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:

$$\frac{5000 \text{ uL}}{\text{Volume of Sample Purged (uL)}} =$$

$$\frac{5000 \text{ uL}}{5000. \text{ (uL)}} = 1.000$$

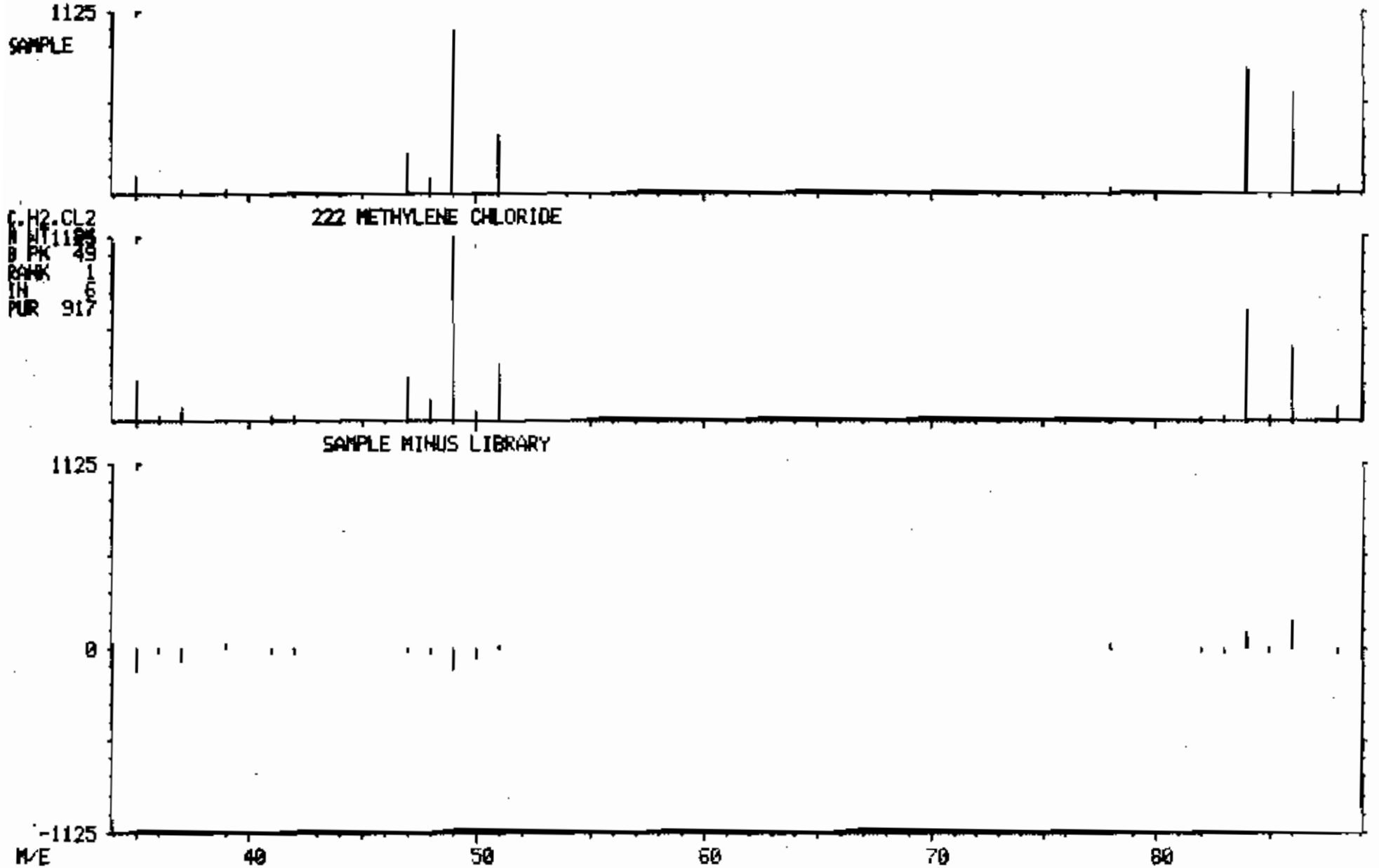
Quant Report Amount Spiked conversion factor:

The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

COMPUCHEM LABS

LIBRARY SEARCH
05/09/85 11:18:00 + 6:36
SAMPLE: 5 ML H20 + 5 UL 14580 + 14562
ENHANCED (S 150 2N 0T)

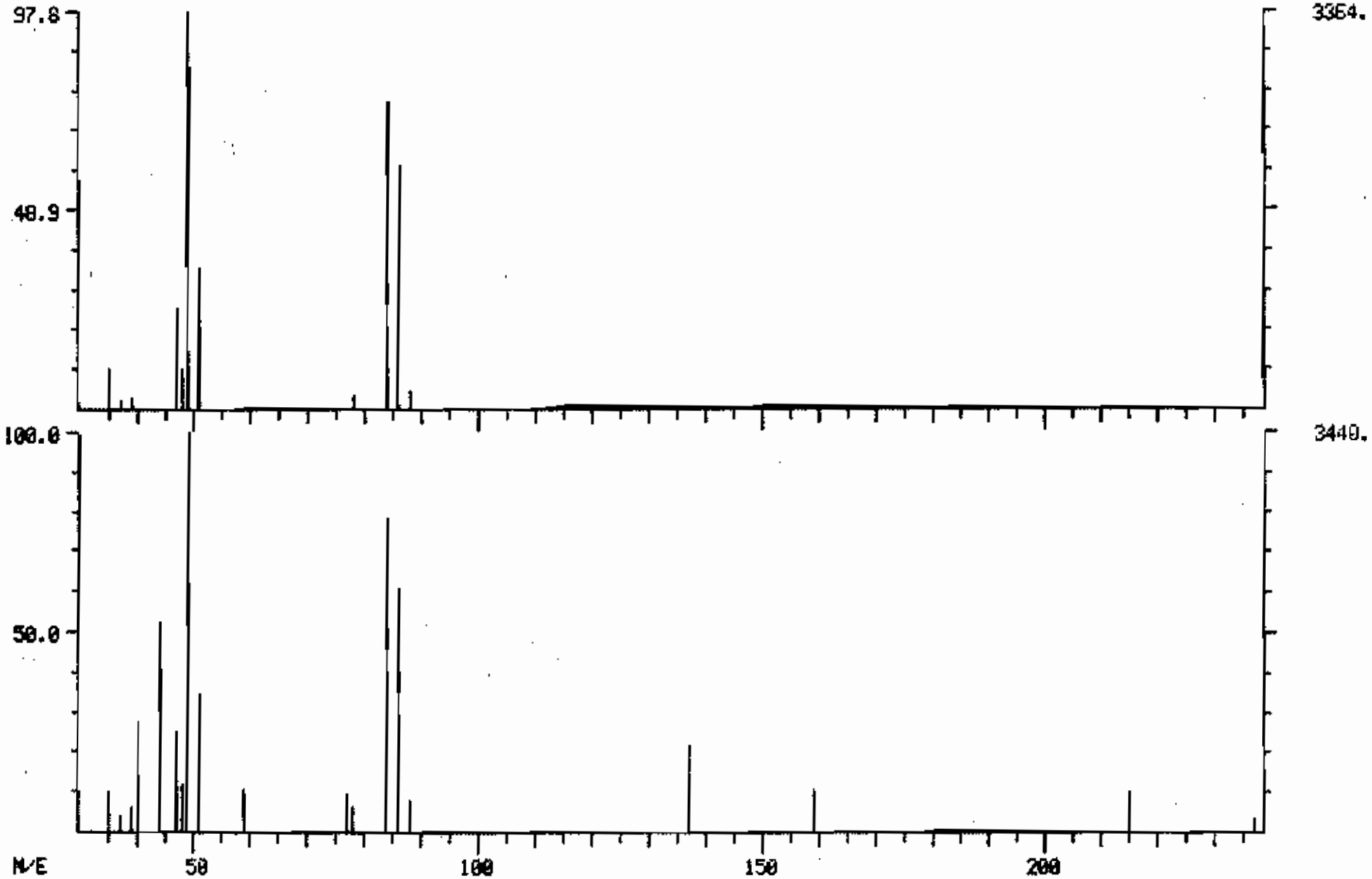
DATA: CC850509A12 # 130
BASE M/E: 49
RIC: 11151.



COMPUCHEM LABS

DUAL MASS SPECTRUM
05/03/85 11:16:00 + 5:36
SAMPLE: 5 ML H20 + 5 UL 14580 + 14582
ENHANCED (S 150 2H)

DATA: CC850509A12 #130 BASE M/E: 49/ 49
RIC: 11151./ 16863.



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

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CF850509AII
Sample matrix: liquid
Data Release
Authorized By: _____

Case:
QC Report No: _____
Contract No: 68-01-7017
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed:
Conc/Dil Factor: 1.00 pH:
Percent moisture: N/A
Percent moisture (decanted):

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	4.3 J ~~5.0 U~~		79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	10 U ~~4.3 J~~		71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/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.

[illegible]
P.O. Box [illegible], [illegible], Virginia 22313 703/557-2400

Sample Number
INST. 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.	NONE	VOA		
2.				
3.				
4.				
5.				
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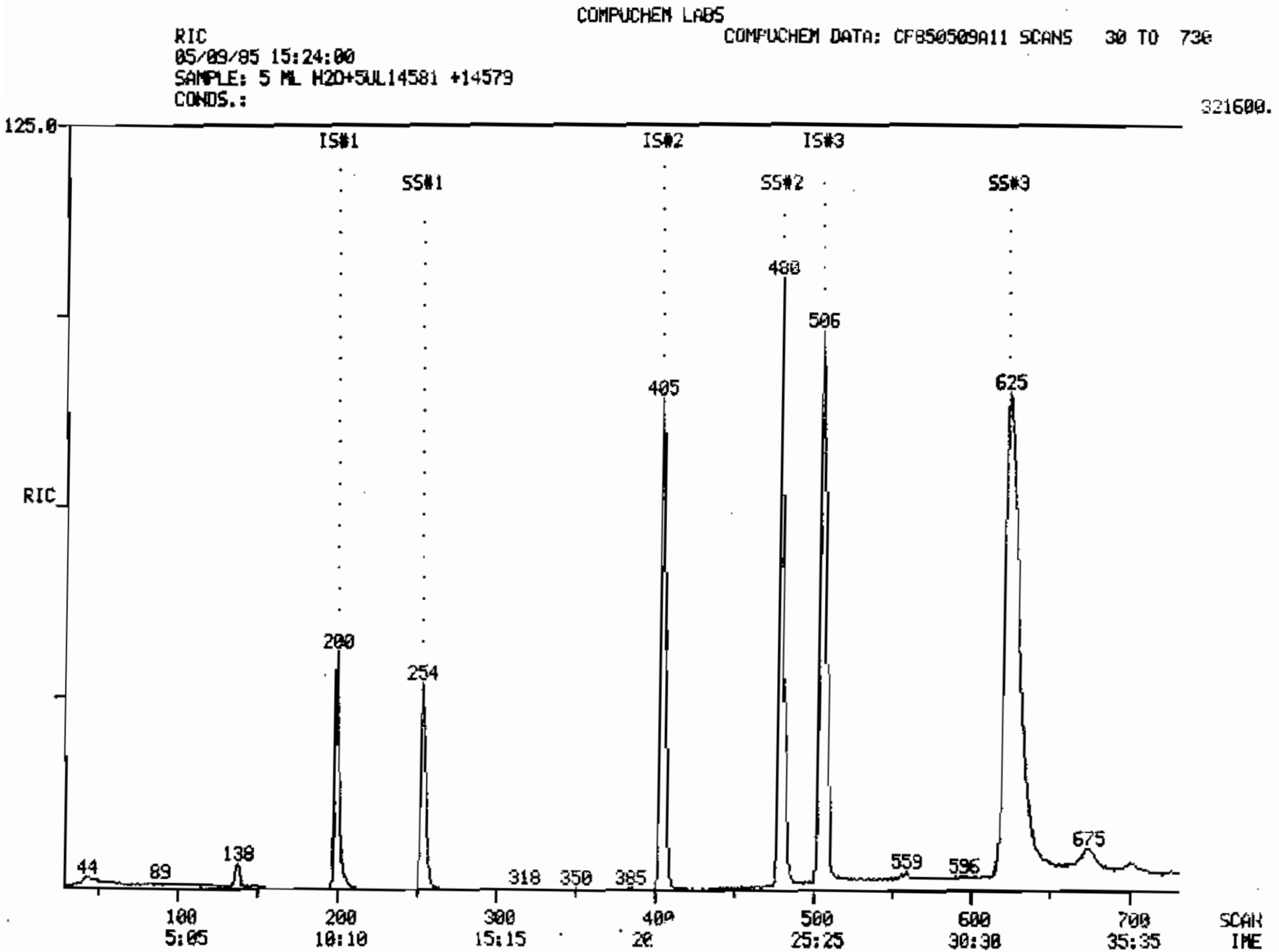
26.				
27.				
28.				
29.				
30.				


COMPUCHEM LABS
RIC
05/09/85 15:24:00
SAMPLE: 5 ML H2O+5UL14581 +14579
CONDS.:
COMPUCHEM DATA: CP850509A11 SCANS 30 TO 730
321600.
125.0
IS#1
SS#1
IS#2
IS#3
SS#2
SS#3
480
506
405
625
200
254
RIC
44
89
138
318
350
385
559
596
675
100
5:05
200
10:10
300
15:15
400
20:
500
25:25
600
30:30
700
35:35
SCAN
IME

PROCEDURE: RK DIAGNOSTIC REPORT 5/09/85 16:17:27
DATA FILE: CF850509A11
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	27	42	8	1	45	E237S/E237U

42 COMPOUNDS PROCESSED, 8 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-195	200	200	.	1	980	.	128	200	.	1
2	E2	1	-404	405	405	.	1	993	.	114	405	.	1
3	E3	1	-506	506	506	.	1	985	.	117	506	.	1
4	E1	2	-41	43	.	.	.	.	.	50	.	.	.
5	E1	3	-60	62	.	.	.	.	.	94	.	.	.
6	E1	4	-76	78	.	.	.	.	.	62	.	.	.
7	E1	5	-95	97	.	.	.	.	.	64	.	.	.
8	E1	6	-137	139	138	-1	1	913	.	84	138	.	1
9	E1	7	-148	150	.	.	.	.	.	43	149	.	1
10	E1	8	-167	168	.	.	.	.	.	76	.	.	.
11	E1	9	-190	191	.	.	.	.	.	96	.	.	.
12	E1	10	-215	216	.	.	.	.	.	63	.	.	.
13	E1	11	-230	231	.	.	.	.	.	96	.	.	.
14	E1	12	-240	241	.	.	.	.	.	83	.	.	.
15	E1	13	-255	256	.	.	.	.	.	62	.	.	.
16	E2	2	-253	254	.	.	.	.	.	72	.	.	.
17	E2	3	-281	282	.	.	.	.	.	97	.	.	.
18	E2	4	-289	290	.	.	.	.	.	117	.	.	.
19	E2	5	-291	292	.	.	.	.	.	43	.	.	.
20	E2	6	-298	299	.	.	.	.	.	83	.	.	.
21	E2	7	-326	327	.	.	.	.	.	63	.	.	.
22	E2	8	-331	332	.	.	.	.	.	75	.	.	.
23	E2	9	-342	343	.	.	.	.	.	130	.	.	.
24	E2	10	-354	355	.	.	.	.	.	129	.	.	.
25	E2	11	-356	357	.	.	.	.	.	97	.	.	.
26	E2	12	-353	354	.	.	.	.	.	78	355	.	2
27	E2	13	-357	358	.	.	.	.	.	75	.	.	.
28	E2	14	-378	379	.	.	.	.	.	63	.	.	.
29	E2	15	-408	409	.	.	.	.	.	173	.	.	.
30	E3	2	-419	420	.	.	.	.	.	43	.	.	.
31	E3	3	-450	451	.	.	.	.	.	43	453	.	2
32	E3	4	-455	456	.	.	.	.	.	164	.	.	.
33	E3	5	-454	455	.	.	.	.	.	83	.	.	.
34	E3	6	-483	484	.	.	.	.	.	92	484	.	1
35	E3	7	-508	508	.	.	.	.	.	112	505	.	2
36	E3	8	-558	558	.	.	.	.	.	106	559	.	1
37	E3	9	-665	665	.	.	.	.	.	104	665	.	3
38	E3	10	-674	674	674	.	1	925	.	106	673	-1	2
39	E3	11	-701	701	.	.	.	.	.	106	701	.	1
40	E4	2	-253	254	254	.	1	980	.	65	254	.	1
41	E4	3	-624	624	624	.	1	997	.	95	625	1	1
42	E4	4	-479	480	480	.	1	988	.	98	480	.	1

QUANTITATION REPORT FILE: CFB50509A11

DATA: CFB50509A11.TI
05/09/85 15:24:00
SAMPLE: 5 ML H2O+5UL14581 +14579
  NDS. :
SUBMITTED BY: 11 ANALYST: 577

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARSON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
0	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMDMETHANE
24	225 1,1,2-TRICHLOROETHANE
25	203 BENIENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMDFLUOROBENZENE
42	# D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	200	10:10	1	1.000	A BV	55717.	50.000 UG/L	15.60
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	138	7:01	1	0.690	A BB	8076.	4.315	UG/L	1.35
7	43	149	7:34	1	0.745	A BB	2224.	7.208	UG/L	2.25
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	405	20:35	14	1.000	A BV	285118.	50.000	UG/L	15.60
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	355	18:03	14	0.877	A*BB	411.	0.087	UG/L	0.03
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	506	25:43	29	1.000	A BB	298191.	50.000	UG/L	15.60
30	43	NOT FOUND								
31	43	453	23:02	29	0.895	A*BV	690.	1.079	UG/L	0.34
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	484	24:36	29	0.957	A BB	1693.	0.447	UG/L	0.14
35	112	508	25:49	29	1.004	A*BB	533.	0.092	UG/L	0.03
36	106	559	28:25	29	1.105	A BB	2362.	0.747	UG/L	0.23
37	104	665	33:48	29	1.314	A*BB	434.	0.068	UG/L	0.02
38	106	673	34:13	29	1.330	A*BV	9834.	2.262	UG/L	0.71
39	106	701	35:38	29	1.385	A BV	7559.	2.007	UG/L	0.63
40	65	254	12:55	1	1.270	A BV	110837.	48.653	UG/L	15.18
41	95	625	31:46	29	1.235	A BB	299130.	51.849	UG/L	16.18
42	98	480	24:24	1	2.400	A BV	335903.	51.673	UG/L	16.12

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:04	1.01	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:05		10.000			50.80		1.788	
3	3:03		10.000			50.00		2.014	
4	3:52		10.000			50.00		1.752	
5	4:50		10.000			50.00		0.978	
6	6:58	1.01	5.000	0.14	4.31	50.00	0.145	1.680	0.09
7	7:31	1.01	10.000	0.07	7.21	50.00	0.040	0.277	0.14
8	8:29		5.000			50.00		2.546	
9	9:39		5.000			50.00		1.075	
10	10:56		5.000			50.00		1.983	
11	11:41		5.000			50.00		1.153	
12	12:12		5.000			50.00		2.753	
13	12:58		5.000			50.00		1.914	
14	20:32	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	12:52		10.000			50.00		0.019	
16	14:17		5.000			50.00		0.416	
17	14:41		5.000			50.00		0.421	
18	14:48		10.000			50.00		0.302	
19	15:09		5.000			50.00		0.484	
20	16:34		5.000			50.00		0.280	
21	16:50		5.000			50.00		0.181	
22	17:23		5.000			50.00		0.432	
23	18:00		5.000			50.00		0.478	
24	18:06		5.000			50.00		0.296	
25	17:57	1.01	5.000	0.18	0.09	50.00	0.001	0.827	0.00
26	18:09		5.000			50.00		0.622	
27	19:13		10.000			50.00		0.122	
28	20:44		5.000			50.00		0.305	
29	25:43	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:18		10.000			50.00		0.174	
31	22:52	1.01	10.000	0.09	1.08	50.00	0.002	0.107	0.02
32	23:08		5.000			50.00		0.437	
33	23:05		5.000			50.00		0.403	
34	24:33	1.00	5.000	0.19	0.45	50.00	0.006	0.635	0.01
35	25:49	1.00	5.000	0.20	0.09	50.00	0.002	0.972	0.00
36	28:22	1.00	5.000	0.22	0.75	50.00	0.008	0.530	0.01
37	33:48	1.00	5.000	0.26	0.07	50.00	0.001	1.075	0.00
38	34:16	1.00	5.000	0.27	2.26	50.00	0.033	0.729	0.05
39	35:38	1.00	5.000	0.28	2.01	100.00	0.013	0.631	0.02
40	12:52	1.00	10.000	0.13	48.65	50.00	1.989	2.044	0.97
41	31:43	1.00	10.000	0.12	51.85	50.00	1.003	0.967	1.04
42	24:21	1.00	10.000	0.24	51.67	50.00	6.029	5.834	1.03

Internal Standard Area Monitor

Method: E237 Filename: CFB50509A11 Date: 05/09/85
Shift Std: CT850509A11 Time: 15:24

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
* BROMOCHLOROMETHANE (IS)	55716.	59680.	-6.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	285117.	309280.	-7.	Pass
* D5 CHLOROBENZENE(INTERNAL STANDARD)	298191.	322431.	-7.	Pass

Volatile - Medium or Low Level Liquid

	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	4.3		J	5.0
7	252	___	ACETONE (2-PROPANONE)	7.2		BDL	10.0
8	234	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE			BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE			BDL	5.0
	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE	5.2		BDL	5.0
39	240/___		241 O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40	D4-1,2-DICHLOROETHANE	48.6	50.0	97.0	77-120	X	
41	BROMOFLUOROBENZENE	51.8	50.0	104.0	85-121	X	
42	D8-TOLUENE	51.7	50.0	103.0	86-119	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:

$$\frac{5000 \text{ UL}}{\text{Volume of Sample Purged (UL)}} =$$

$$\frac{5000 \text{ UL}}{5000. \text{ (UL)}} = 1.000$$

Quant Report Amount Spiked Conversion Factor:

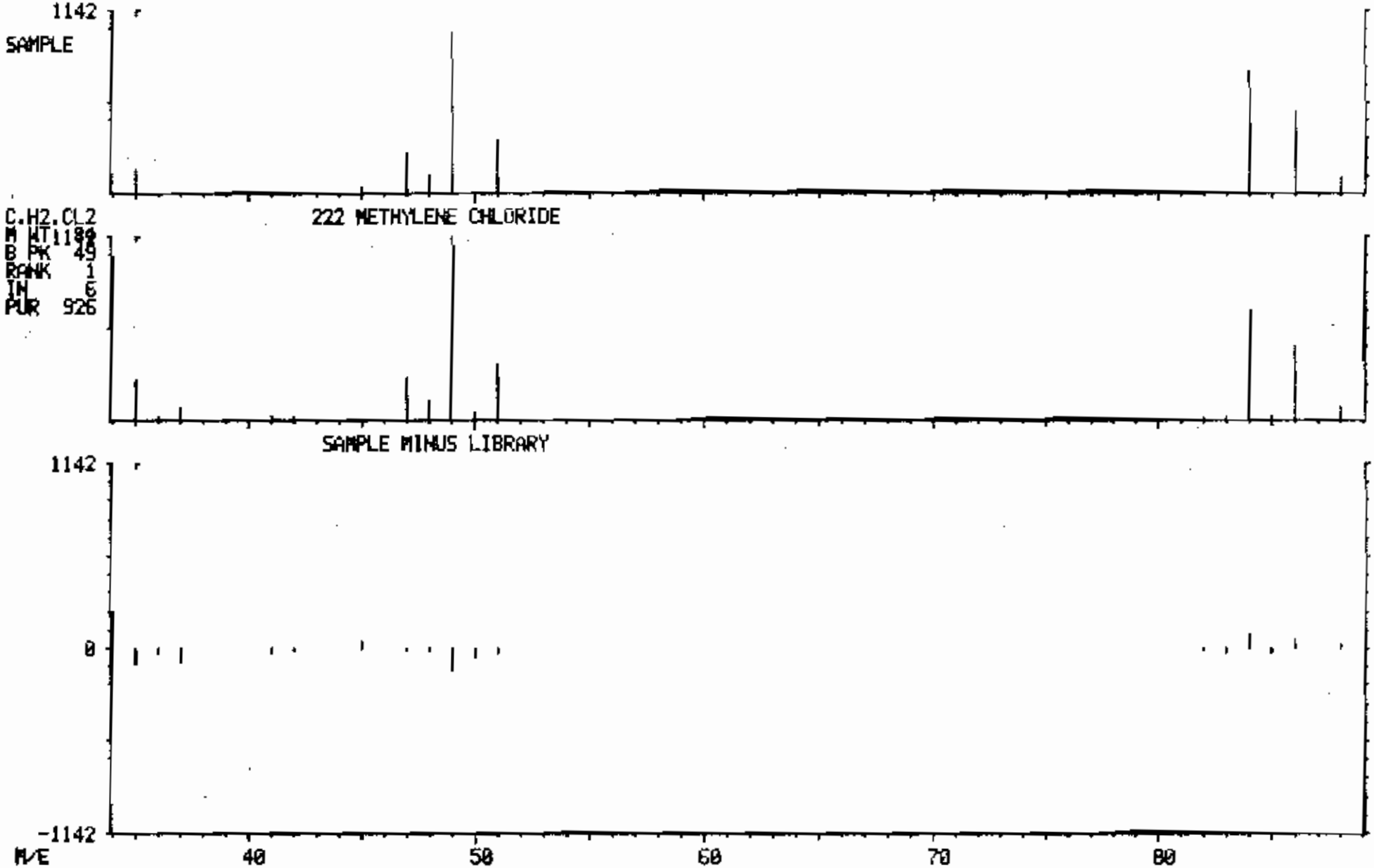
The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

COMPUCHEM LABS

LIBRARY SEARCH
05/09/85 15:24:00 + 7:01
SAMPLE: 5 ML H2O+5UL14581 +14579
ENHANCED (S 15B 2N 0T)

DATA: CF050509A11 # 138

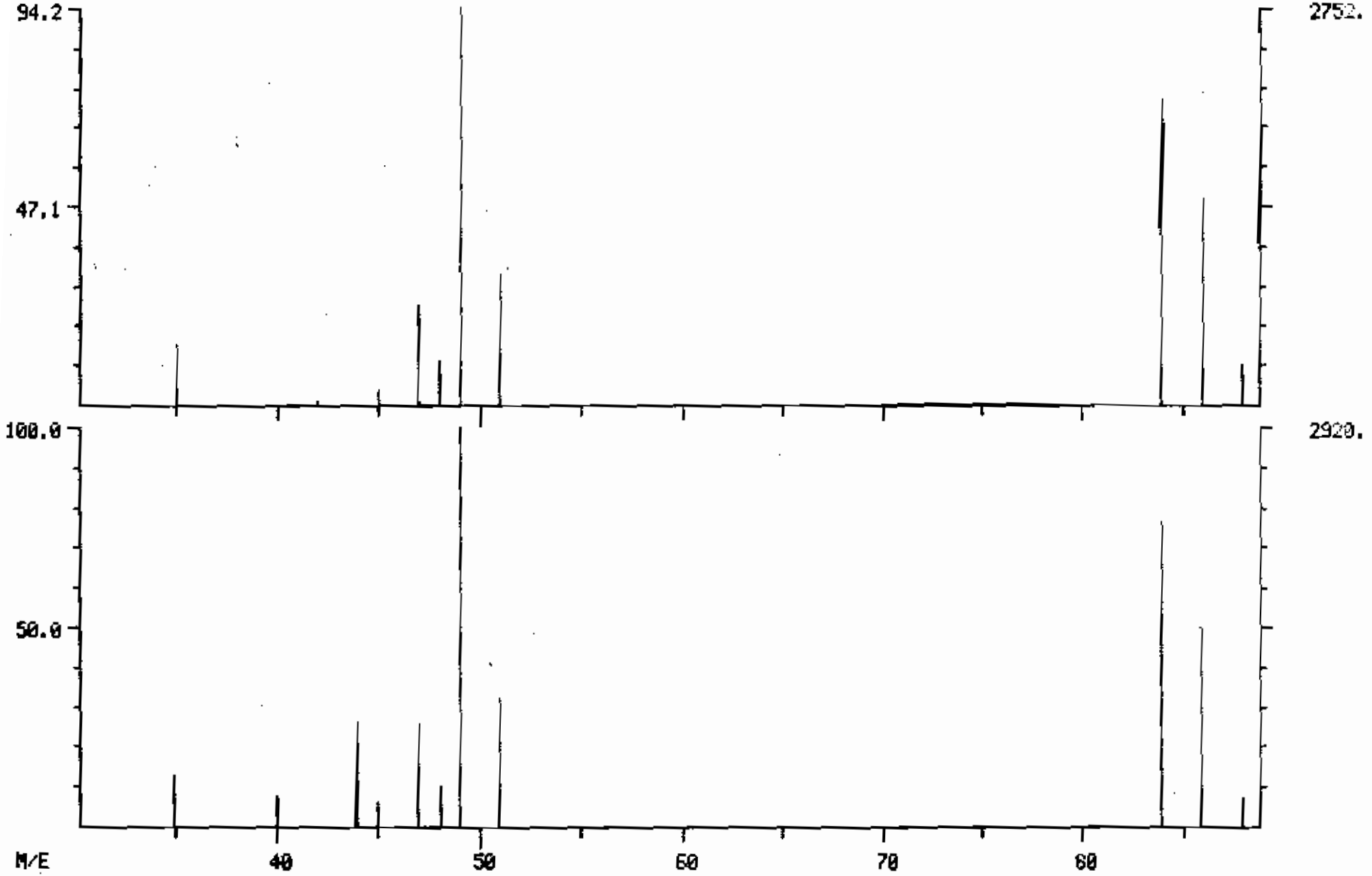
BASE M/E: 49
RIC: 9071.



COMPUCHEM LABS

DUAL MASS SPECTRUM
05/09/85 15:24:00 + 7:01
SAMPLE: 5 ML H2O+5UL14581 +14579
ENHANCED (5 15B 2N)

DATA: All #130 BASE M/E: 49/ 49
RIC: 9071./ 10367.



nmental Protection Agency, CLP Sample Management Office
P. O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CB850507C11
Sample matrix: liquid
Data Release
Authorized By: _____

Case:
QC Report No: _____
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared:
Date analyzed:
Conc/Dil Factor: 1.00 pH:
Percent moisture: N/A
Percent moisture (decanted):

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	4.1	J	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	7.2	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

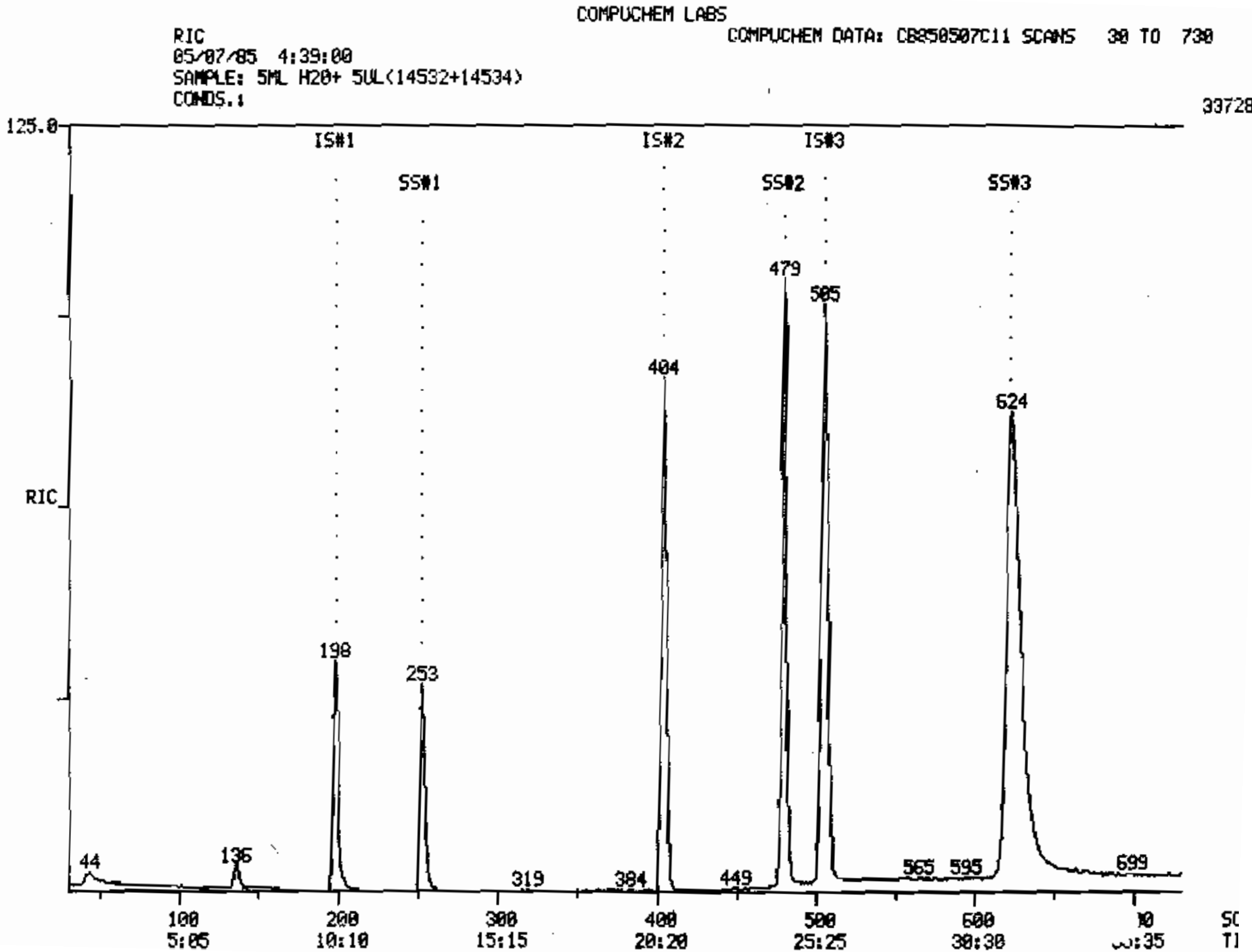
Environmental Protection Agency - CLP Sample Management Office
P.O. Box 818 - Alexandria, Virginia 22313 703/557-2490

Sample Number
INST. 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.	NONE	VOA		
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: CB850507C11 SCANS 30 TO 730
05/07/85 4:39:00
SAMPLE: 5ML H20+ 5UL(14532+14534)
CONDS.:
33728
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
479
505
404
624
RIC
198
253
44
136
319
384
449
565
595
699
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30

PROCEDURE: RK DIAGNOSTIC REPORT 5/07/85 5:50:25
A FILE: C8850507C11
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E2376

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POS	RMS	PROC	USED	POS	RMS	STANDARD/UNKNOWN
3	3	1	26	42	7	1	38	E237S/E237U

42 COMPOUNDS PROCESSED, 7 FOUND

COMPOUND		SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-198	199	199	.	1	987	.	128	198	-1	1
2	E2	1	-404	404	404	.	1	993	.	114	404	.	1
3	E3	1	-505	505	505	.	1	987	.	117	505	.	1
4	E1	2	-41	43	.	.	.	.	.	50	.	.	.
5	E1	3	-61	63	.	.	.	.	.	94	.	.	.
6	E1	4	-76	78	.	.	.	.	.	62	.	.	.
7	E1	5	-94	96	.	.	.	.	.	64	.	.	.
8	E1	6	-135	136	137	1	1	962	.	84	136	-1	1
9	E1	7	-146	147	.	.	.	.	.	43	148	.	1
10	E1	8	-166	167	.	.	.	.	.	76	.	.	.
11	E1	9	-189	190	.	.	.	.	.	96	.	.	.
12	E1	10	-215	216	.	.	.	.	.	63	.	.	.
.	E1	11	-229	230	.	.	.	.	.	96	.	.	.
.	E1	12	-239	240	.	.	.	.	.	83	.	.	.
15	E1	13	-254	255	.	.	.	.	.	62	.	.	.
16	E2	2	-252	253	.	.	.	.	.	72	254	.	1
17	E2	3	-281	282	.	.	.	.	.	97	.	.	.
18	E2	4	-289	290	.	.	.	.	.	117	.	.	.
19	E2	5	-291	292	.	.	.	.	.	43	.	.	
20	E2	6	-298	299	.	.	.	.	.	83	.	.	
21	E2	7	-326	327	.	.	.	.	.	63	.	.	
22	E2	8	-331	332	.	.	.	.	.	75	.	.	
23	E2	9	-342	343	.	.	.	.	.	130	.	.	
24	E2	10	-353	354	.	.	.	.	.	129	.	.	.
25	E2	11	-356	357	.	.	.	.	.	97	.	.	.
26	E2	12	-353	354	.	.	.	.	.	78	.	.	.
27	E2	13	-356	357	.	.	.	.	.	75	.	.	.
28	E2	14	-378	379	.	.	.	.	.	63	.	.	.
29	E2	15	-407	407	.	.	.	.	.	173	.	.	.
30	E3	2	-418	418	.	.	.	.	.	43	.	.	.
31	E3	3	-449	449	.	.	.	.	.	43	450	.	1
32	E3	4	-455	455	.	.	.	.	.	164	.	.	.
33	E3	5	-454	454	.	.	.	.	.	83	.	.	.
34	E3	6	-483	483	.	.	.	.	.	92	463	.	1
35	E3	7	-508	508	.	.	.	.	.	112	.	.	.
36	E3	8	-557	557	.	.	.	.	.	106	.	.	.
37	E3	9	-664	663	.	.	.	.	.	104	.	.	.
38	E3	10	-672	671	.	.	.	.	.	106	.	.	.
.	E3	11	-699	698	.	.	.	.	.	106	.	.	.
40	E4	2	-252	253	253	.	1	984	.	65	253	.	1
41	E4	3	-623	623	623	.	1	1000	.	95	623	.	1
42	E4	4	-479	479	479	.	1	983	.	98	479	.	1

QUANTITATION REPORT FILE: CB850507C11

L..,A: CB850507C11.TI
05/07/85 4:39:00
SAMPLE: 5ML H20+ 5UL(14532+14534)
CONDS.:
SUBMITTED BY: 11 ANALYST: 817

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

NO	NAME
1	* , BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	* D4-1,2-DICHLOROETHANE
	* BROMOFLUOROBENZENE
	* D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	198	10:04	1	1.000	A BV	59220.	50.000 UG/L	15.60
2	50	NOT FOUND							

	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	12:49	1.01	10.000	0.06	3.82	50.00	0.002	0.024	0.08
16	14:17		5.000			50.00		0.411	
17	14:41		5.000			50.00		0.437	
18	14:48		10.000			50.00		0.395	
19	15:09		5.000			50.00		0.502	
20	16:34		5.000			50.00		0.278	
21	16:50		5.000			50.00		0.185	
22	17:23		5.000			50.00		0.453	
23	17:57		5.000			50.00		0.539	
24	18:06		5.000			50.00		0.326	
25	17:57		5.000			50.00		0.876	
26	18:06		5.000			50.00		0.671	
27	19:13		10.000			50.00		0.156	
28	20:41		5.000			50.00		0.324	
29	25:40	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:15		10.000			50.00		0.197	
31	22:49	1.00	10.000	0.09	0.87	50.00	0.002	0.121	0.02
32	23:08		5.000			50.00		0.437	
33	23:05		5.000			50.00		0.409	
34	24:33	1.00	5.000	0.19	0.23	50.00	0.003	0.666	0.00
35	25:49		5.000			50.00		1.028	
36	28:19		5.000			50.00		0.542	
37	33:45		5.000			50.00		1.341	
38	34:10		5.000			50.00		0.897	
	35:32		5.000			100.00		0.874	
	12:49	1.00	10.000	0.13	51.65	50.00	1.982	1.919	1.03
41	31:40	1.00	10.000	0.12	52.30	50.00	0.954	0.912	1.05
42	24:21	1.00	10.000	0.24	50.13	50.00	6.142	6.126	1.00

Internal Standard Area Monitor

Method: E237 Filename: CB050507C11 Date: 05/07/85
Shift Std: CT850506B11 Time: 4:39

	Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
*	BROMOCHLOROMETHANE (IS)	59219.	66192.	-10.	Pass
*	1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	318590.	351812.	-8.	Pass
*	D5 CHLOROBENZENE(INTERNAL STANDARD)	332303.	383833.	-12.	Pass

CompuChem # 850507 File: CB850507C11 Compound List 145 Page 1

Volatile - Medium or Low Level Liquid

No	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result(*) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLORDMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	4.1		J	5.0
7	252	___	ACETONE (2-PROPANONE)	7.2		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE			BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE			BDL	5.0
26	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
27	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/	___	241 O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

No	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40		D4-1,2-DICHLOROETHANE	51.6	50.0	103.0	77-120	X	
41		BROMOFLUOROBENZENE	52.3	50.0	104.0	85-121	X	
42		D8-TOLUENE	50.1	50.0	100.0	86-119	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:

5000 ul
---------- =
Volume of Sample Purged (ul)

5000 ul
---------- = 1.000
5000. (ul)

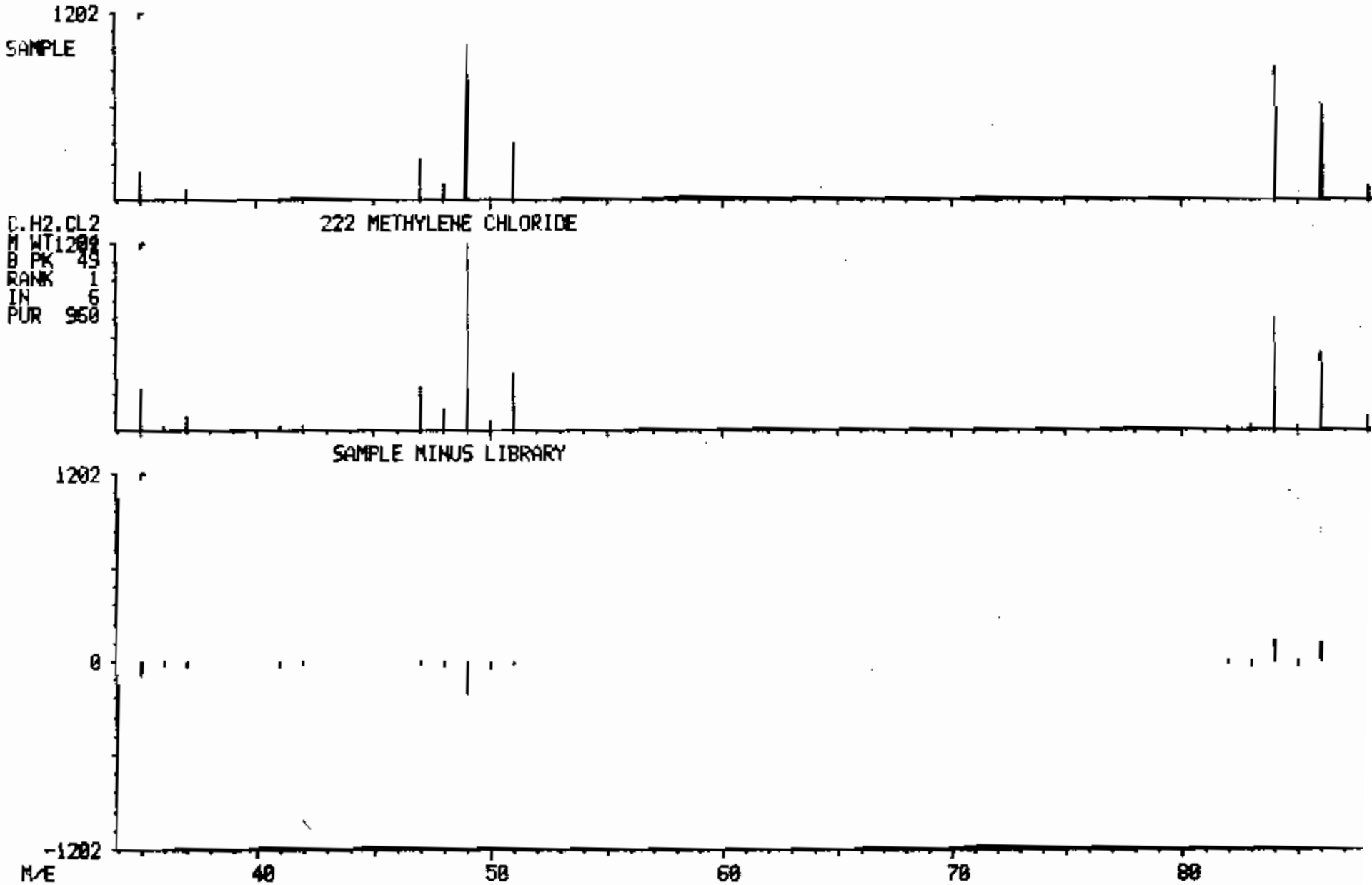
Quant Report amount spiked conversion factor:

The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

COMPUCHEM LABS

LIBRARY SEARCH
05/07/85 4:39:00 + 6:55
SAMPLE: 5ML H20+ 5UL(14532+14534)
EHMANCED (S 15B 2H 0T)

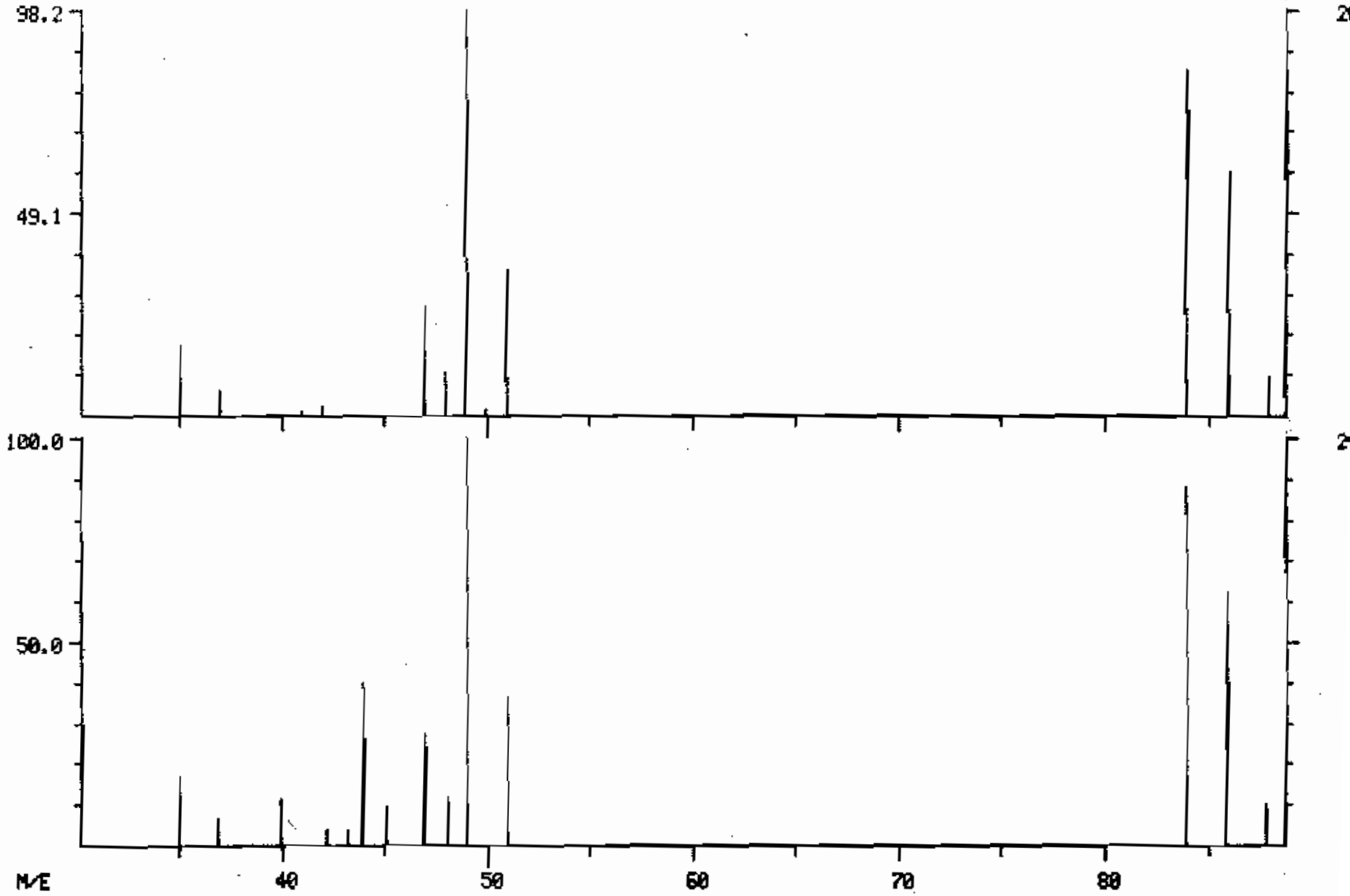
DATA: CB850507C11 # 136 BASE M/E: 49
RIC: 9423.



COMPUCHEM LABS

DUAL MASS SPECTRUM
05/07/85 4:39:00 + 6:55
SAMPLE: 5ML H20+ 5UL(14532+14534)
ENHANCED (S 15B 2N)

DATA: CB850507C11 #136 BASE M/E: 49/ 49
RIC: 9423./ 11503.

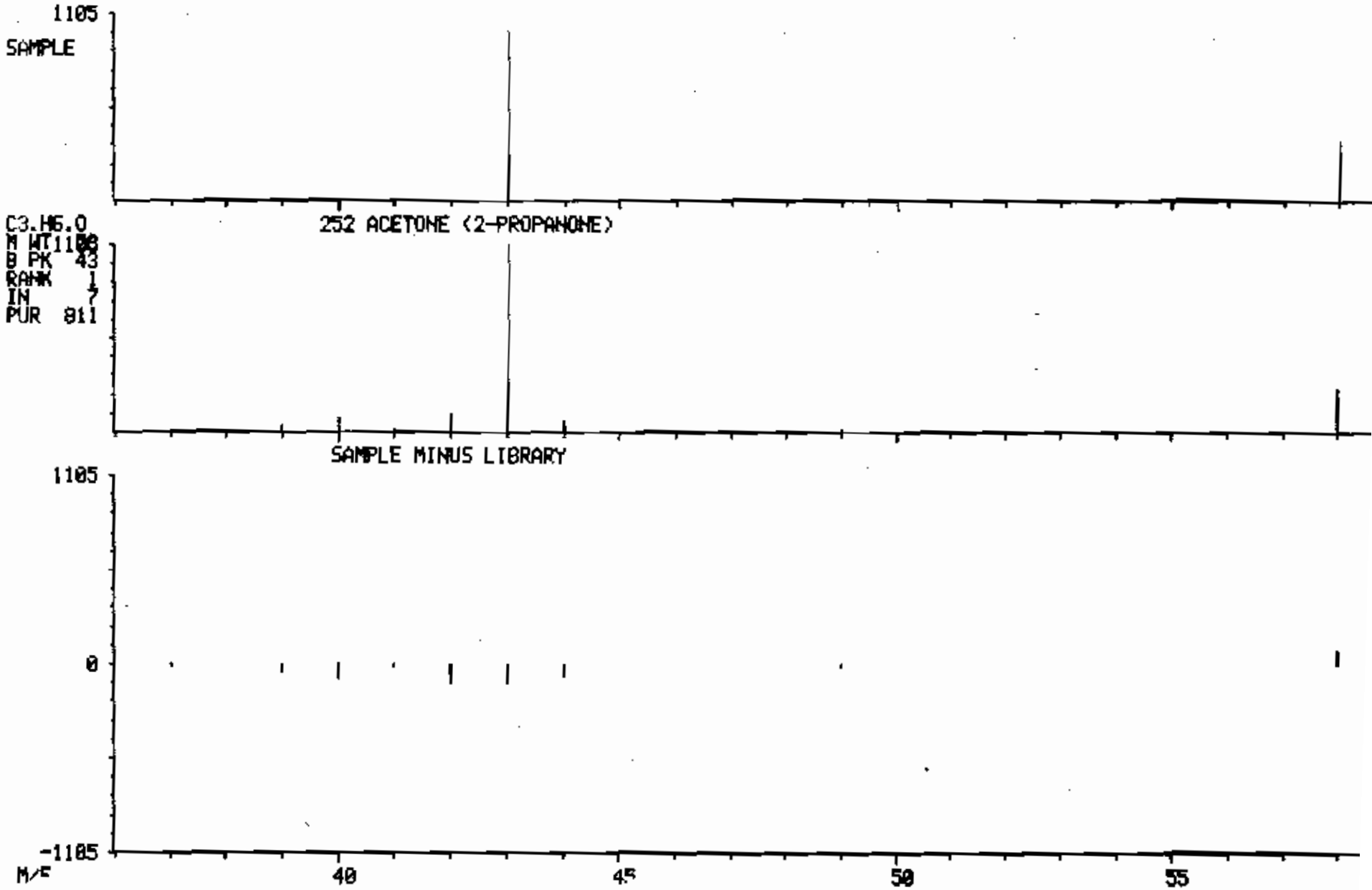


COMPUCHEM LABS

LIBRARY SEARCH
05/07/85 4:39:00 + 7:31
SAMPLE: 5ML H20+ 5UL(14532+14534)
ENHANCED (5 15B 2N 0T)

DATA: C8850507C11 # 148

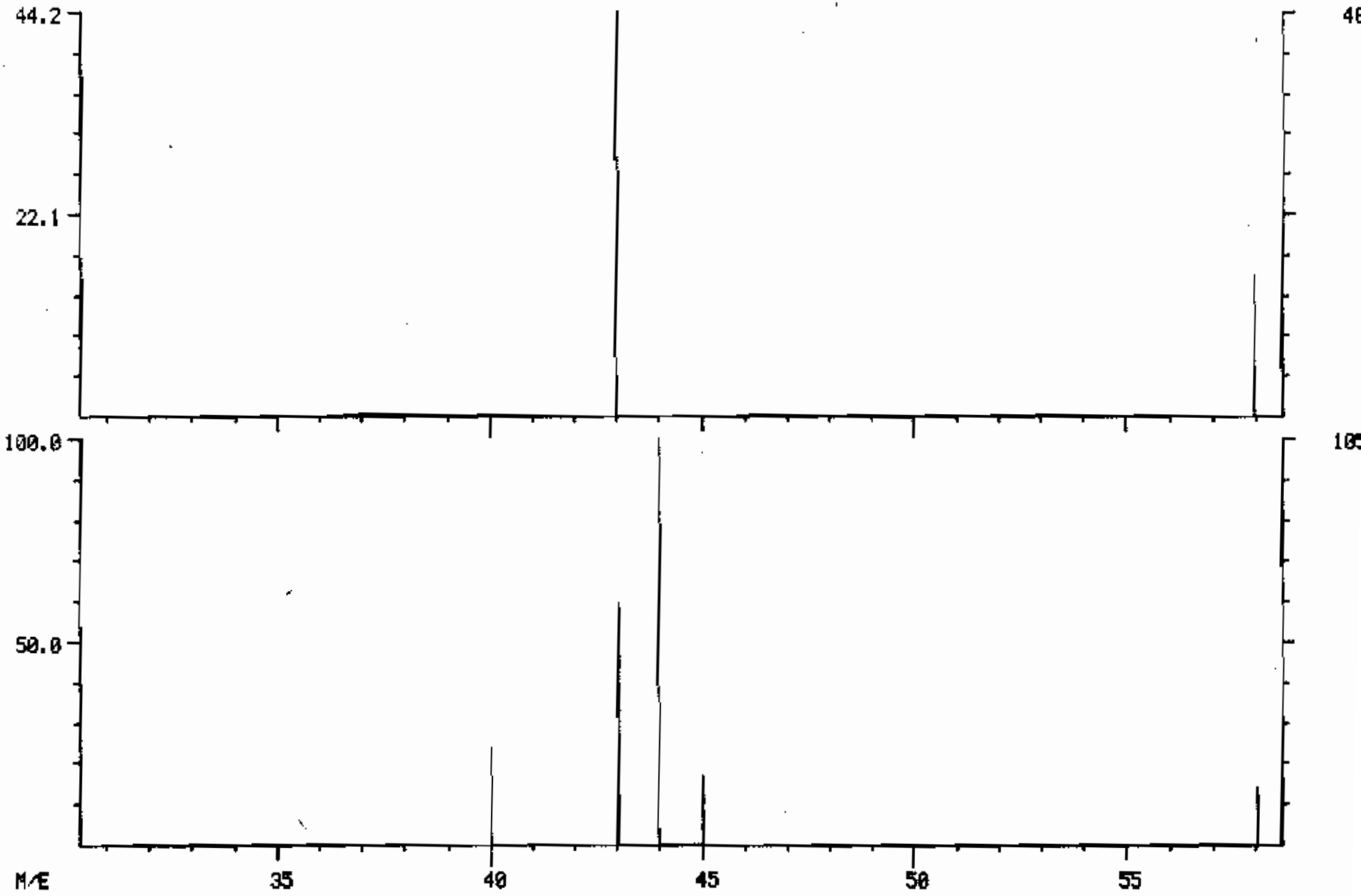
BASE M/E: 43
RIC: 625.



COMPUCHEM LABS

DUAL MASS SPECTRUM
05/07/85 4:39:00 + 7:31
SAMPLE: 5ML H20+ 5UL(14532+14534)
ENHANCED (S 15B 2N)

DATA: C8850507C11 #148 BASE M/E: 43/ 44
RIC: 625./ 2255.



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

Sample Number
CN049720A11

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: 49720
Sample matrix: liquid
Data Release Authorized By:

Case: GCA Test
QC Report No: 290/372
Contract No: 68-01-6784
Date Sample Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 05-07-85
Date analyzed: 05-07-85
Conc/Dil Factor: 1.00 pH:
Percent moisture: N/A
Percent moisture (decanted):

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	5.2		79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	7.6	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

Environmental Protection Agency. CLP Sample ... Office.
P O Box 818. Alexandria Virginia 22313 703 ...

Sample Number
CN049720A11

C... ...ics 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.	None	VOA	—	ug/l
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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14.				
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16.				
17.				
18.				
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20.				
21.				
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23.				
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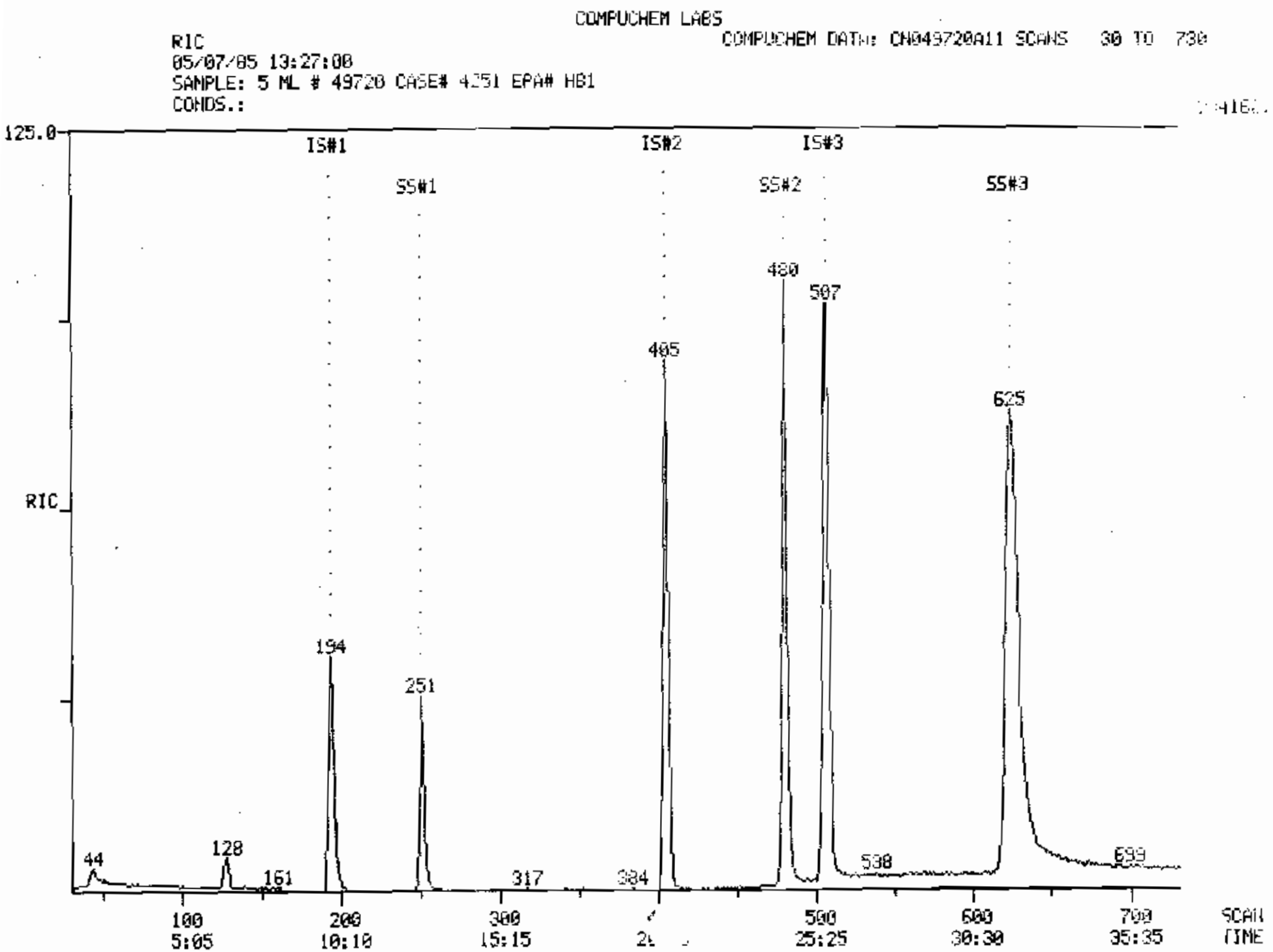
25.				
26.				
27.				
28.				
29.				
30.				


COMPUCHEM LABS
RIC
05/07/85 13:27:00
COMPUCHEM DATA: CN049720A11 SCANS 30 TO 730
SAMPLE: 5 ML # 49720 CASE# 4251 EPA# HB1
CONDS.:
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
44
128
161
194
251
317
384
405
480
507
538
625
699
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35
SCAN
TIME

PROCEDURE: RK
DATA FILE: CN049720A11
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	78	42	6	1	96	E237S/E237U

42 COMPOUNDS PROCESSED, 6 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-198	194	194	.	1	980 .	128	194	.	1
2	E2	1	-404	404	405	1	1	995 .	114	405	.	1
3	E3	1	-505	507	507	.	1	984 .	117	506	-1	1
4	E1	2	-41	36	.	.	.	. .	50	.	.	.
5	E1	3	-60	55	.	.	.	. .	94	.	.	.
6	E1	4	-76	71	.	.	.	. .	62	.	.	.
7	E1	5	-95	90	.	.	.	. .	64	.	.	.
8	E1	6	-137	133	.	.	.	. .	84	.	.	.
9	E1	7	-148	144	.	.	.	. .	43	.	.	.
10	E1	8	-167	164	.	.	.	. .	76	.	.	.
11	E1	9	-190	187	.	.	.	. .	96	.	.	.
12	E1	10	-216	213	.	.	.	. .	63	.	.	.
13	E1	11	-230	227	.	.	.	. .	96	.	.	.
14	E1	12	-240	238	.	.	.	. .	83	.	.	.
15	E1	13	-255	253	.	.	.	. .	62	.	.	.
16	E2	2	-253	251	.	.	.	. .	72	251	.	1
17	E2	3	-282	280	.	.	.	. .	97	.	.	.
18	E2	4	-289	287	.	.	.	. .	117	.	.	.
19	E2	5	-291	289	.	.	.	. .	43	.	.	.
20	E2	6	-298	296	.	.	.	. .	83	.	.	.
21	E2	7	-327	326	.	.	.	. .	63	.	.	.
22	E2	8	-331	330	.	.	.	. .	75	.	.	.
23	E2	9	-342	341	.	.	.	. .	130	.	.	.
24	E2	10	-354	353	.	.	.	. .	129	.	.	.
25	E2	11	-356	355	.	.	.	. .	97	.	.	.
26	E2	12	-354	353	.	.	.	. .	78	353	.	.
27	E2	13	-357	356	.	.	.	. .	75	.	.	.
28	E2	14	-379	379	.	.	.	. .	63	.	.	.
29	E2	15	-408	408	.	.	.	. .	173	.	.	.
30	E3	2	-419	419	.	.	.	. .	43	.	.	.
31	E3	3	-450	451	.	.	.	. .	43	453	.	1
32	E3	4	-456	457	.	.	.	. .	164	.	.	.
33	E3	5	-454	455	.	.	.	. .	83	.	.	.
34	E3	6	-483	484	.	.	.	. .	92	484	.	1
35	E3	7	-508	509	.	.	.	. .	112	509	.	1
36	E3	8	-558	560	.	.	.	. .	106	.	.	.
37	E3	9	-664	668	.	.	.	. .	104	.	.	.
38	E3	10	-672	676	.	.	.	. .	106	.	.	.
39	E3	11	-700	704	.	.	.	. .	106	.	.	.
40	E4	2	-253	251	251	.	1	980 .	65	251	.	1
41	E4	3	-623	626	625	-1	1	998 .	95	625	.	1
42	E4	4	-479	480	480	.	1	982 .	98	480	.	1

Internal Standard Area Monitor

Method: E237 Filename: CN049720A11 Date: 05/07/85
Shift Std: CT850507C11 Time: 13:27

	Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
*	BROMOCHLOROMETHANE (IS)	49354.	58487.	-15.	Pass
*	1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	270404.	323678.	-15.	Pass
*	D5 CHLOROBENZENE(INTERNAL STANDARD)	288157.	341064.	-15.	Pass

QUANTITATION REPORT FILE: CN049720A11

DATA: CN049720A11.TI
05/07/85 13:27:00
SAMPLE: 5 ML # 49720 CASE# 4251 EPA# HB1
NOS. :
SUBMITTED BY: 11 ANALYST: 577

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# DB-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	194	9:52	1	1.000	A BV	49355.	50 000 UG/L	15.86
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	128	6:30	1	0.660	A BB	9763.	5.221	UG/L	1.66
7	43	139	7:04	1	0.716	A BB	2877.	7.613	UG/L	2.41
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	405	20:35	14	1.000	A BV	270405.	50.000	UG/L	15.86
15	72	251	12:46	14	0.620	A BB	393.	3.261	UG/L	1.03
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	353	17:57	14	0.872	A BB	717.	0.141	UG/L	0.04
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	506	25:43	29	1.000	A BB	288158.	50.000	UG/L	15.86
30	43	NOT FOUND								
31	43	453	23:02	29	0.895	A BV	798.	1.056	UG/L	0.33
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	484	24:36	29	0.957	A BB	2761.	0.665	UG/L	0.21
35	112	509	25:52	29	1.006	A BB	4367.	0.680	UG/L	0.22
36	106	NOT FOUND								
37	104	NOT FOUND								
38	106	NOT FOUND								
39	106	NOT FOUND								
40	65	251	12:46	1	1.294	A BV	93755.	46.682	UG/L	14.81
41	95	625	31:46	29	1.235	A BB	275905.	51.062	UG/L	16.20
42	98	480	24:24	1	2.474	A BV	307884.	48.930	UG/L	15.52

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:04	0.98	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:05		10.000			50.00		2.324	
3	3:03		10.000			50.00		2.599	
4	3:52		10.000			50.00		2.164	
5	4:50		10.000			50.00		1.122	
6	6:58	0.93	5.000	0.13	5.22	50.00	0.198	1.894	0.10
7	7:31	0.94	10.000	0.07	7.61	50.00	0.058	0.383	0.15
8	8:29		5.000			50.00		4.380	
9	9:39		5.000			50.00		1.245	
10	10:59		5.000			50.00		2.221	
11	11:41		5.000			50.00		1.350	
12	12:12		5.000			50.00		3.051	
13	12:58		5.000			50.00		2.151	
14	20:32	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

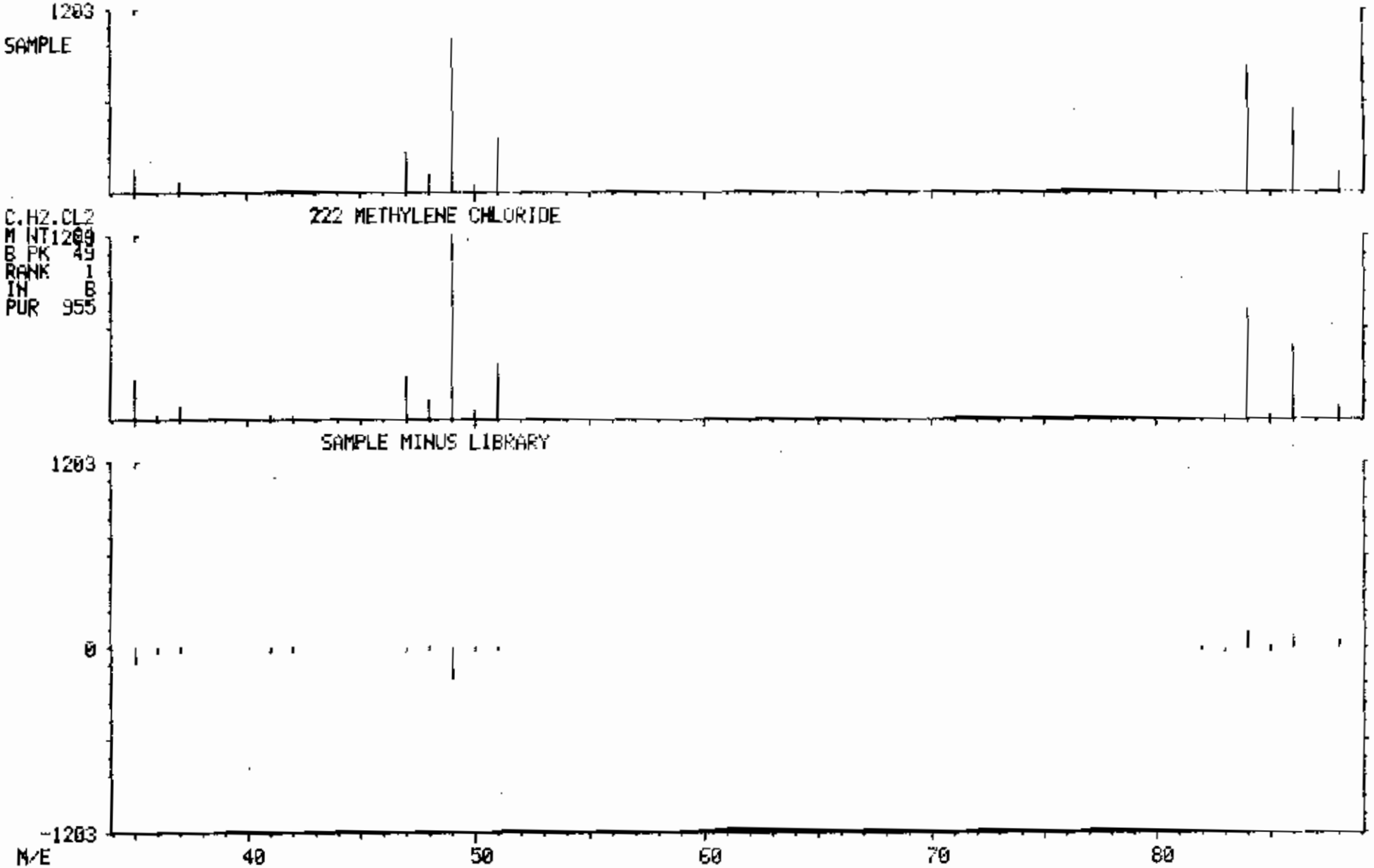
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	12:52	0.99	10.000	0.06	3.26	50.00	0.001	0.022	0.07
16	14:20		5.000			50.00		0.438	
17	14:41		5.000			50.00		0.460	
18	14:48		10.000			50.00		0.395	
19	15:09		5.000			50.00		0.531	
20	16:37		5.000			50.00		0.300	
21	16:50		5.000			50.00		0.211	
22	17:23		5.000			50.00		0.488	
23	18:00		5.000			50.00		0.561	
24	18:06		5.000			50.00		0.353	
25	18:00	1.00	5.000	0.17	0.14	50.00	0.003	0.943	0.00
26	18:09		5.000			50.00		0.717	
27	19:16		10.000			50.00		0.135	
28	20:44		5.000			50.00		0.347	
29	25:40	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:18		10.000			50.00		0.209	
31	22:52	1.01	10.000	0.09	1.06	50.00	0.003	0.131	0.02
32	23:11		5.000			50.00		0.476	
33	23:05		5.000			50.00		0.454	
34	24:33	1.00	5.000	0.19	0.66	50.00	0.010	0.721	0.01
35	25:49	1.00	5.000	0.20	0.68	50.00	0.015	1.115	0.01
36	28:22		5.000			50.00		0.580	
37	33:45		5.000			50.00		1.337	
38	34:10		5.000			50.00		0.897	
39	35:35		5.000			100.00		0.877	
40	12:52	0.99	10.000	0.13	46.68	50.00	1.900	2.035	0.93
41	31:40	1.00	10.000	0.12	51.06	50.00	0.957	0.938	1.02
42	24:21	1.00	10.000	0.25	48.93	50.00	6.238	6.375	0.98

COMPUCHEM LABS

LIBRARY SEARCH
05/07/85 13:27:00 + 6:30
SAMPLE: 5 ML # 49720 CASE# 4251 EPA# HB1
ENHANCED (S 15B 2H 0T)

DATA: CN049720A11 # 128

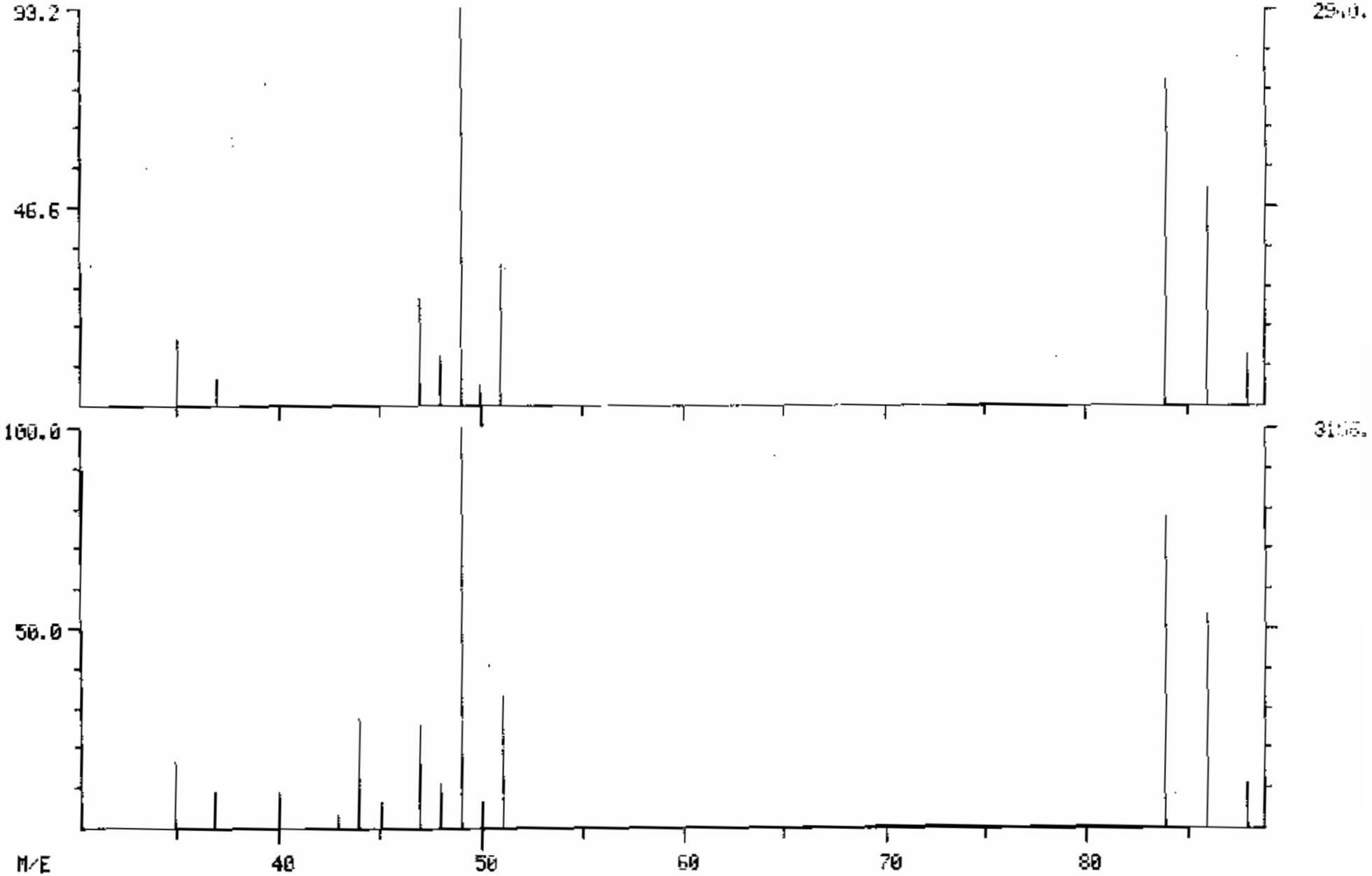
BASE M/E: 49
RIC: 10383.



COMPUCHEM LABS

DUAL MASS SPECTRUM
05/07/85 13:27:00 + 6:30
SAMPLE: 5 ML # 49720 CASE# 4251 EPA# HB1
ENHANCED (S 15B 2N)

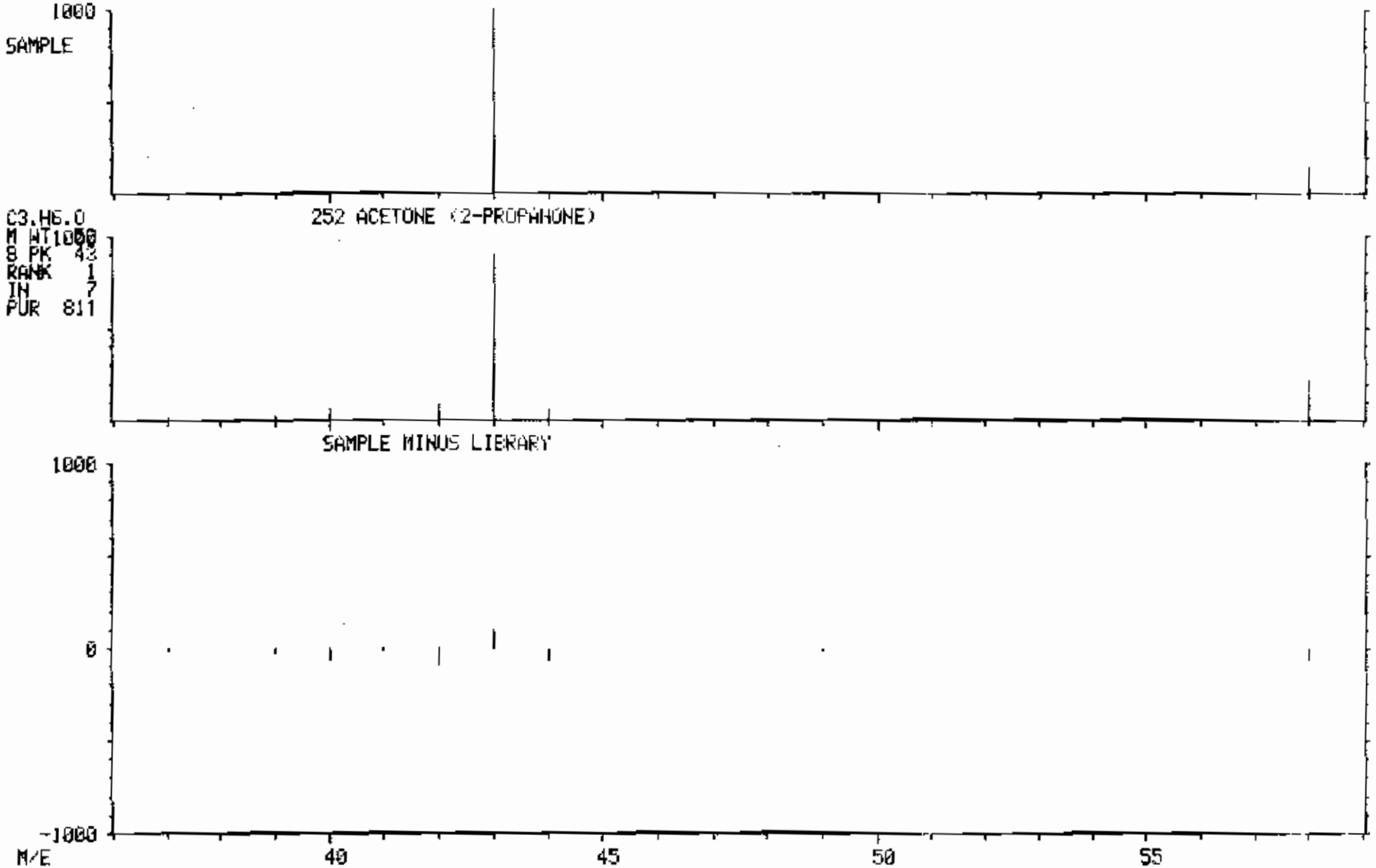
DATA: CN049720A11 #128 BASE M/E: 49/ 49
RIC: 10389./ 12351.



COMPUCHEM LABS

LIBRARY SEARCH
05/07/85 13:27:00 + 7:04
SAMPLE: 5 ML # 49720 CASE# 4351 EPA# HBI
ENHANCED (S 15B 2N 0T)

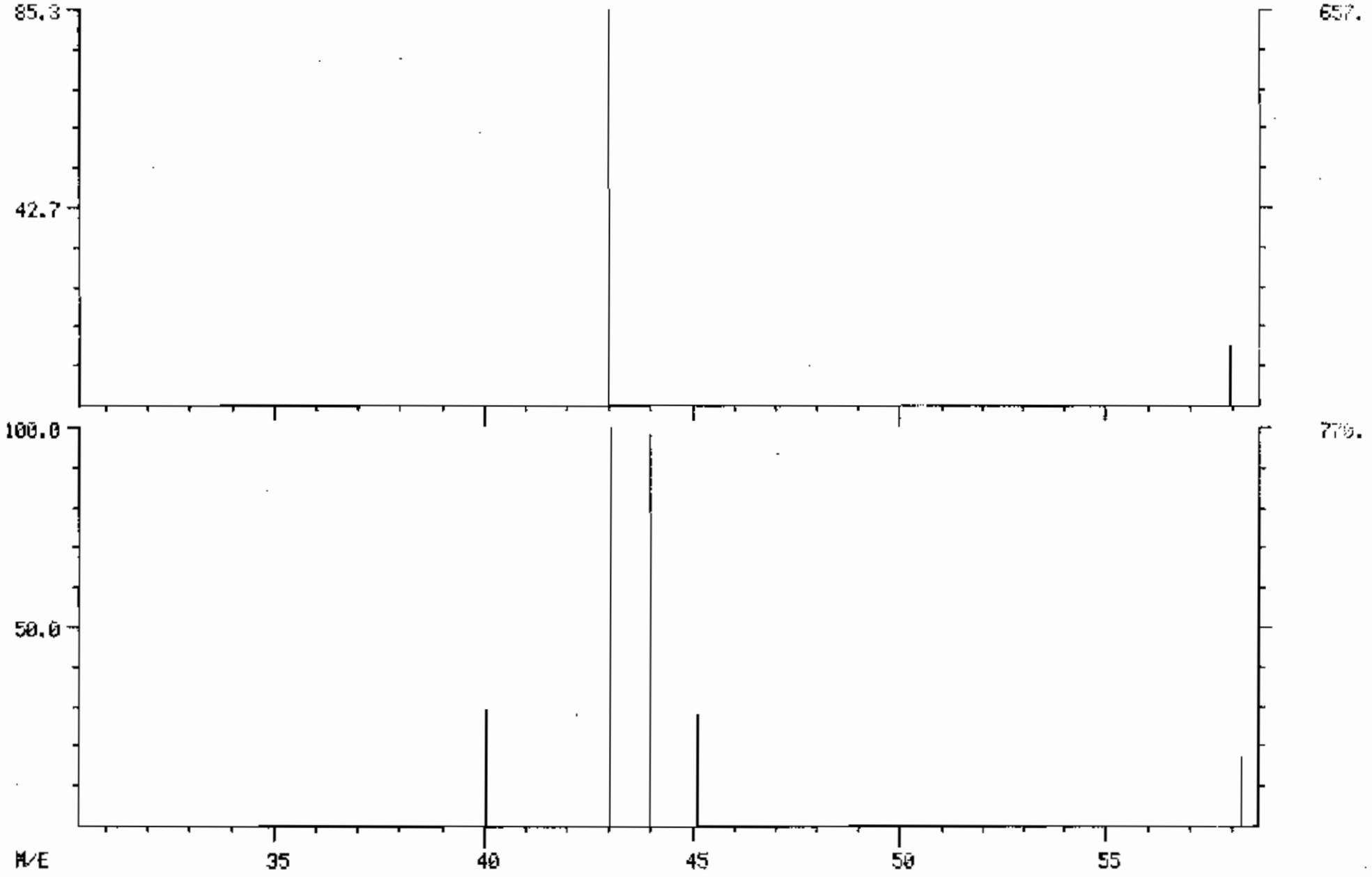
DATA: CN0497:0A11 # 139
BASE M/E: 43
RIC: 755.



COMPUCHEM LABS

DUAL MASS SPECTRUM
05/07/85 13:27:00 + 7:04
SAMPLE: 5 ML # 49720 CASE# 4251 EPA# HB1
ENHANCED (S 15B 2N)

DATA: CH04972@A11 #139 BASE M/E: 43/ 4
RIC: 755./ 20@9.



CASE#: 4257 DUE DATE: 5/24/85

VOA
GC/MS WORKSHEET COMPUCHEM#: 49720

J1[ ] J3[ ] D1[ ] (:1)
J2[ ] J4[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---000
Instrument Code---256
Compound List---145
Surrogate Std---394
Internal Std---036

SAS: EPA#: HOCKING BLDG BL 290/372

GC/MS ANALYSIS

Amount Purged: [ ] 5mls or [ ] Dilution_____ul/5000ul Sparged
Internal Standard Volume Added 5 ul
Surrogate Standard Volume Added 5 ul
BFB Filename BFB50507.11 Disk( )
Blank Filename CB50507.11 Disk ( )
Standard Filename CT50507.11 Disk ( )
Sample Filename CN04920A11 Disk ( )

ANALYST(S): Injection 577 Work-up 577

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes OK,JS,SM,SL,SH,JA,DA

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,NR
IF,LA,DI,CO,RN,DW,SI,SF
UP,BS,QF,VC,FO,SM

Disposition: [ ] Complete

Extraneous Peak Search Results:
# of Peaks Found: 0

[ ] Reinject Neat

[ ] Dilute (:1)

Quality Assurance Notice(s):
Notices Required_____

COMMENTS:

GC/MS Review JAH Date 5/7/85 Auditor_____ Date___/___/___

REPORT INTEGRATION Total # of Injections: 1
Final Reportable Package(s): CN04920A11 /_____

QA COMMENTS:

Initials_____ Date___/___/___

FINAL REVIEW: Initials_____ Date___/___/___

REGISTERED (11/84)

5/7/85

received 5/7/85

Volatile - Medium or Low Level Liquid

	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result (#) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	5.2		5.2	5.0
7	252	___	ACETONE (2-PROPANONE)	7.6		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BOL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE			BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE			BDL	5.0
[illegible]	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5
36	219	___	ETHYLBENZENE			BDL	5
37	251	___	STYRENE			BDL	5
38	239	___	M-XYLENE			BDL	5.
39	240/241	___	O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

NO	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40		D4-1,2-DICHLOROETHANE	46.7	50.0	93.0	77-120	X	
41		BROMOFLUOROBENZENE	51.1	50.0	102.0	85-121	X	
42		DB-TOLUENE	48.9	50.0	98.0	86-119	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:

$$\frac{5000 \text{ uL}}{\text{Volume of Sample Purged (uL)}} =$$

$$\frac{5000 \text{ uL}}{5000. \text{ (uL)}} = 1.000$$

Quant Report Amount Spiked Conversion Factor:

The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

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

Sample Number
BH049895E18

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: low
Date extracted/prepared: 05-06-85
Date analyzed: 05-17-85
Conc/Dil Factor: 2.00

CAS Number		ug/l		CAS Number		ug/l	
62-75-9	N-Nitrosodimethylamine	20.	U	99-09-2	3-Nitroaniline	100	U
108-95-2	Phenol	20.	U	83-32-9	Acenaphthene	20.	U
62-53-3	Aniline	20.	U	51-28-5	2,4-Dinitrophenol	100	U
111-44-4	bis(2-Chloroethyl) ether	20.	U	100-02-7	4-Nitrophenol	100	U
95-57-8	2-Chlorophenol	20.	U	132-64-9	Dibenzofuran	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U	121-14-2	2,4-Dinitrotoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U	606-20-2	2,6-Dinitrotoluene	20.	U
100-51-6	Benzyl Alcohol	20.	U	84-66-2	Diethylphthalate	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U	7005-72-3	4-Chlorophenyl Phenyl ether	20.	U
95-48-7	2-Methylphenol	20.	U	86-73-7	Fluorene	20.	U
39638-32-9	bis(2-Chloroisopropyl) ether	20.	U	100-01-6	4-Nitroaniline	100	U
106-44-5	4-Methylphenol	20.	U	534-52-1	4,6-Dinitro-2-methylphenol	100	U
621-64-7	N-Nitroso-Dipropylamine	20.	U	86-30-6	N-nitrosodiphenylamine (1)	20.	U
67-72-1	Hexachloroethane	20.	U	101-55-3	4-Bromophenyl Phenyl ether	20.	U
98-95-3	Nitrobenzene	20.	U	118-74-1	Hexachlorobenzene	20.	U
78-59-1	Isophorone	20.	U	87-86-5	Pentachlorophenol	100	U
88-75-5	2-Nitrophenol	20.	U	85-01-8	Phenanthrene	20.	U
105-67-9	2,4-Dimethylphenol	20.	U	120-12-7	Anthracene	20.	U
65-85-0	Benzoic Acid	100	U	84-74-2	Di-n-butylphthalate	20.	U
111-91-1	bis(2-Chloroethoxyl) methane	20.	U	206-44-0	Fluoranthene	20.	U
120-83-2	2,4-Dichlorophenol	20.	U	92-87-5	Benzidine	100	U
120-82-1	1,2,4-Trichlorobenzene	20.	U	129-00-0	Pyrene	20.	U
91-20-3	Naphthalene	20.	U	85-68-7	Butyl benzyl Phthalate	20.	U
106-47-8	4-Chloroaniline	20.	U	91-94-1	3,3'-Dichlorobenzidine	40.	U
87-68-3	Hexachlorobutadiene	20.	U	56-55-3	Benzo(a)anthracene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U	117-81-7	bis(2-ethylhexyl)phthalate	20.	U
91-57-6	2-Methylnaphthalene	20.	U	218-01-9	Chrysene	20.	U
77-47-4	Hexachlorocyclopentadiene	20.	U	117-84-0	Di-n-octyl Phthalate	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U	205-99-2	Benzo(b)fluoranthene	20.	U
95-95-4	2,4,5-Trichlorophenol	100	U	207-08-9	Benzo(k)fluoranthene	20.	U
91-58-7	2-Chloronaphthalene	20.	U	50-32-8	Benzo(a)pyrene	20.	U
88-74-4	2-Nitroaniline	100	U	193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
131-11-3	Dimethyl Phthalate	20.	U	53-70-3	Dibenz(a,h)anthracene	20.	U
208-96-8	Acenaphthylene	20.	U	191-24-2	Benzo(g,h,i)perylene	20.	U

(1) Cannot be separated from diphenylamine

SAMPLE NUMBER BLANK#1

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

COMPUCHEM FILE CH049899B16

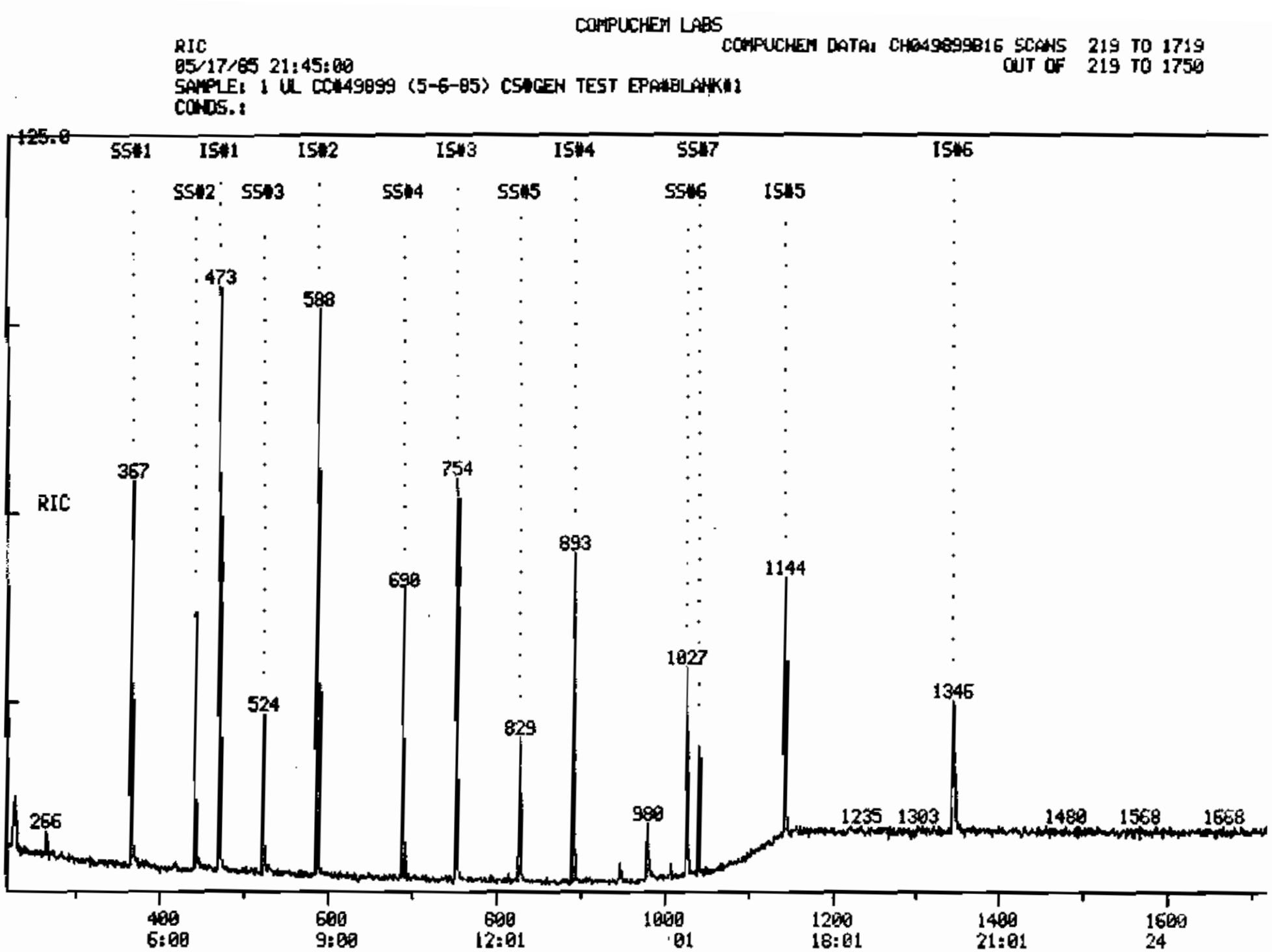
TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	21964-48-7	1,12-TRIDECADIENE ALIPHATIC, UNSATURATED - lab artifact	SEMI	980	25.	J

2.000 40.00

SPECTROSCOPIST JR

DATE 3-10-85


COMPUCHEM LABS
RIC
COMPUCHEM DATA: CH049899B16 SCANS 219 TO 1719
05/17/85 21:45:00
OUT OF 219 TO 1750
SAMPLE: 1 UL CC#49899 (5-6-85) CS#GEN TEST EPA#BLANK#1
CONDS.:
125.0
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
473
588
367
754
RIC
893
690
1144
1027
524
1346
829
266
980
1235
1303
1480
1568
1668
400
6:00
600
9:00
800
12:01
1000
01
1200
18:01
1400
21:01
1600
24

COMPUCHEM LABS

RIC COMPUCHEM DATA: CH049899816 SCANS 1719 TO 1750
05/17/85 21:45:00 OUT OF 219 TO 1750
SAMPLE: 1 UL CC#49899 (5-6-85) CS#GEN TEST EPA#BLANK#1
CONDS.:

2293750.

SCAN
TIME

PROCEDURE: RR DIAGNOSTIC REPORT 5/17/85 22:28:03
DATA FILE: GH049899B16
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
4	4	1	34	53	8	1	28	SEMI1S1/SEMI1U1
4	4	2	62	29	7	1	48	SEMI1S2/SEMI1U2

61 COMPOUNDS PROCESSED, 14 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEL DELTA	SEL PEAKS	BAT FIT	BAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	G1	1	-473	473	473	1	959		152	473		1
2	G2	1	-589	588	588	1	987		136	588		1
3	G3	1	-755	754	754	1	985		164	754		1
4	G7	2	-367	367	367	1	899		112	367		2
5	G1	2	-249	249					42	252		3
6	G1	3	-444	444					94			
7	G1	4	-448	448					93			
8	G1	5	-452	452					93			
9	G1	6	-457	457					128			
10	G1	7	-470	470					146			
11	G1	8	-475	475					146			
12	G1	9	-486	486					108			
13	G1	10	-491	491					146			
14	G1	11	-497	497					108			
15	G1	12	-500	500					45	5D2		1
6	G1	13	-509	509					108			
7	G1	14	-512	512					70	51D		3
18	G1	15	-519	519					117			
19	G1	16	-526	526					77			
20	G2	2	-547	547					82	545		1
21	G2	3	-555	555					139			
22	G2	4	-557	557					122			
23	G2	5	-564	564					122			
24	G2	6	-567	567					93			
25	G2	7	-576	576					162			
26	G2	8	-585	584					160			
27	G2	9	-591	590					128			
28	G2	10	-596	595					127			
29	G2	11	-607	606					225			
30	G2	12	-640	639					107			
31	G2	13	-655	654					142			
32	G3	2	-676	675					237			
33	G3	3	-683	682					196			
34	G3	4	-683	682					196			
35	G3	5	-701	700					162			
36	G3	6	-712	711					65			
37	G3	7	-732	731					163			
38	G3	8	-741	740					152			
39	G3	9	-751	750					138			
40	G3	10	-758	757					153			
41	G3	11	-761	760					184			
2	G3	12	-764	763					139			
43	G3	13	-773	772					168			
44	G3	14	-775	774					89			
45	G3	15	-738	737					165			
46	G3	16	-798	797					149			
47	G3	17	-805	804					2D4			

50	G7	3	-443	443	443	.	1	906	.	99	443	.
51	G7	4	-524	524	524	.	1	962	.	82	524	.
52	G7	5	-691	690	690	.	1	967	.	172	690	.
53	G7	6	-830	829	829	.	1	916	.	141	829	.
54	G4	1	-894	893	893	.	1	979	.	188	893	.
55	G5	1	-1147	1143	1144	1	1	930	.	240	1144	.
56	G6	1	-1352	1346	1346	.	2	999	.	264	1346	.
57	G4	2	-813	812	.	.	.	.	.	198	.	.
58	G4	3	-816	815	815	.	1	684	.	169	815	.
59	G4	4	-851	850	.	.	.	.	.	248	.	.
60	G4	5	-866	865	.	.	.	.	.	284	.	.
61	G4	6	-881	880	.	.	.	.	.	266	.	.
62	G4	7	-897	896	.	.	.	.	.	178	.	.
63	G4	8	-901	899	.	.	.	.	.	178	.	.
64	G4	9	-950	948	.	.	.	.	.	149	948	.
65	G4	10	-1010	1007	.	.	.	.	.	202	1008	.
66	G5	2	-1021	1018	.	.	.	.	.	184	.	.
67	G5	3	-1031	1028	.	.	.	.	.	202	1029	.
68	G5	4	-1090	1087	.	.	.	.	.	149	1088	.
69	G5	5	-1140	1136	.	.	.	.	.	252	.	.
70	G5	6	-1145	1141	.	.	.	.	.	228	.	.
71	G5	7	-1146	1142	.	.	.	.	.	149	1143	.
72	G5	8	-1150	1146	.	.	.	.	.	228	.	.
73	G6	2	-1218	1214	.	.	.	.	.	149	1214	.
74	G6	3	-1290	1285	.	.	.	.	.	252	.	.
75	G6	4	-1290	1285	.	.	.	.	.	252	.	.
76	G6	5	-1342	1336	.	.	.	.	.	252	.	.
77	G6	6	-1596	1588	.	.	.	.	.	276	.	.
78	G6	7	-1599	1591	.	.	.	.	.	278	.	.
79	G6	8	-1670	1661	.	.	.	.	.	276	.	.
80	G7	7	-1044	1041	1041	.	1	961	.	244	1041	.
81	G8	2	-1030	1027	1027	.	1	946	.	212	1027	.

INTERNAL STANDARD AREA

METHOD: SEMI1 FILENAME: QH049899B16 DATE: 05/17/85
SHIFT STD: HI850517B16 TIME: 21:45

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
*494 D4-1,4-DICHLORLBENZENE (IS#1)	371231.	495327.	-24.	PASS
*460 D8-NAPHTHALENE (IS#2)	1268250.	1898650.	-32.	PASS
*495 D10-ACENAPHTHENE (IS#3)	506623.	728607.	-29.	PASS
*467 D10-PHENANTHRENE (IS#4)	653279.	977695.	-32.	PASS
*459 D12-CHRYSENE (IS#5)	365951.	482783.	-23.	PASS
*497 D12-PERYLENE (IS#6)	358239.	467167.	-22.	PASS

QUANTITATION

DATA: GH049899B16.TI
05/17/85 21:45:00
AMPLE: 1 UL CC#49899 (5-6-85) CS#GEN TEST EPA#BLANK#1
UNDS.:
SUBMITTED BY: 16 ANALYST: 803

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

NO	NAME
1	*494 D4-1,4-DICHLORLBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	610 PHENOL (G1#3) <108-95-2>
4	473 ANILINE (G1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
6	601 2-CHLOROPHENOL (G1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
9	474 BENZYL ALCOHOL (G1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
11	620 2-METHYLPHENOL (G1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
13	622 4-METHYLPHENOL (G1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
15	436 HEXACHLOROETHANE (G1#15) <67-72-1>
16	440 NITROBENZENE (G1#16) <98-95-3>
17	*460 D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (G2#2) <78-59-1>
19	606 2-NITROPHENOL (G2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
21	625 BENZOIC ACID (G2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
25	439 NAPHTHALENE (G2#9) <91-20-3>
26	475 4-CHLOROANILINE (G2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
30	*495 D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
35	478 2-NITROANILINE (G3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
37	402 ACENAPHTHYLENE (G3#8) <208-96-8>
38	479 3-NITROANILINE (G3#9) <99-09-2>
39	401 ACENAPHTHENE (G3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (G3#11) <51-28-5>
41	607 4-NITROPHENOL (G3#12) <100-02-7>
42	476 DIBENZOFURAN (G3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
49	*467 D10-PHENANTHRENE (I8#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	*459 D12-CHRYSENE (I6#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	*497 D12-PERYLENE (I6#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
75	#619 2-FLUOROPHENOL (SS#1)
76	#612 D5-PHENOL (SS#2)
77	#447 D5-NITROBENEZENE (SS#3)
78	#448 2-FLUOROBIPHENYL (SS#4)
79	#628 2,4,6-TRIBROMOPHENOL (SS#5)
80	#496 D14-TERPHENYL (SS#7)
81	#471 D10-PYRENE (SS#6)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%T
1	152	473	7:06	1	1.000	A BV	371232.	40.000	NG	9.4
2	42	252	3:47	1	0.533	A*VV	15296.	1.217	NG	0.29
3	94	NOT FOUND								
4	93	NOT FOUND								
5	93	NOT FOUND								
6	128	NOT FOUND								
7	146	NOT FOUND								
8	146	NOT FOUND								
9	108	NOT FOUND								
10	146	NOT FOUND								
11	108	NOT FOUND								
12	45	502	7:32	1	1.061	A BB	4032.	0.115	NG	0.03
13	108	NOT FOUND								
14	70	510	7:39	1	1.078	A*VV	23788.	1.668	NG	0.39
15	117	NOT FOUND								
16	77	NOT FOUND								
17	136	588	8:50	17	1.000	A BV	1268250.	40.000	NG	9.40
18	82	545	8:11	17	0.927	A VB	1280.	0.040	NG	0.01
19	139	NOT FOUND								

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	NOT FOUND								
21	122	NOT FOUND								
22	93	NOT FOUND								
23	162	NOT FOUND								
24	180	NOT FOUND								
25	128	NOT FOUND								
26	127	NOT FOUND								
27	225	NOT FOUND								
28	107	NOT FOUND								
29	142	NOT FOUND								
30	164	754	11:19	30	1.000	A BB	506624.	40.000	NG	9.40
31	237	NOT FOUND								
32	196	NOT FOUND								
33	196	NOT FOUND								
34	162	NOT FOUND								
35	65	NOT FOUND								
36	163	NOT FOUND								
37	152	NOT FOUND								
38	138	NOT FOUND								
39	153	NOT FOUND								
40	184	NOT FOUND								
41	139	NOT FOUND								
42	168	NOT FOUND								
43	89	NOT FOUND								
44	165	NOT FOUND								
45	149	NOT FOUND								
46	204	NOT FOUND								
47	166	NOT FOUND								
48	138	NOT FOUND								
49	188	893	13:24	49	1.000	A BB	653280.	40.000	NG	9.40
50	198	NOT FOUND								
51	169	815	12:14	49	0.913	A*BB	11552.	1.150	NG	0.27
52	248	NOT FOUND								
53	284	NOT FOUND								
54	266	NOT FOUND								
55	178	NOT FOUND								
56	178	NOT FOUND								
57	149	948	14:14	49	1.062	A BB	57344.	1.932	NG	0.45
58	202	1008	15:08	49	1.129	A BB	25920.	1.783	NG	0.42
59	240	1144	17:10	59	1.000	A BB	365952.	40.000	NG	9.40
60	184	NOT FOUND								
61	202	1029	15:27	59	0.899	A BB	30336.	1.756	NG	0.41
62	149	1088	16:20	59	0.951	A VV	6720.	0.630	NG	0.15
63	252	NOT FOUND								
64	228	NOT FOUND								
65	149	1143	17:09	59	0.999	A*VV	20768.	1.255	NG	0.29
66	228	NOT FOUND								
67	264	1346	20:12	67	1.000	A BV	358240.	40.000	NG	9.40
68	149	1214	18:13	67	0.902	A*VV	16736.	0.604	NG	0.14
69	252	NOT FOUND								
70	252	NOT FOUND								
71	252	NOT FOUND								
72	276	NOT FOUND								
73	278	NOT FOUND								
74	276	NOT FOUND								
75	112	367	5:31	1	0.776	A*VV	494336.	33.467	NG	7.87

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	443	6:39	1	0.937	A BV	447360.	22.231	NG	5.23
77	82	524	7:52	17	0.891	A BV	261024.	15.754	NG	3.70
78	172	690	10:21	30	0.915	A BB	359136.	20.410	NG	4.80
79	141	829	12:27	30	1.099	A BB	41472.	33.308	NG	7.83
80	244	1041	15:38	59	0.910	A BV	236096.	23.580	NG	5.54
81	212	1027	15:25	59	0.898	A BV	352384.	24.454	NG	5.75

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:44	1.01	10.000	0.05	1.22	50.00	0.033	1.354	0.02
3	6:40		10.000			50.00		2.447	
4	6:43		10.000			50.00		2.065	
5	6:47		10.000			50.00		2.184	
6	6:52		10.000			50.00		1.543	
7	7:03		10.000			50.00		1.532	
8	7:08		10.000			50.00		1.748	
9	7:18		10.000			50.00		1.050	
10	7:22		10.000			50.00		1.597	
11	7:28		10.000			50.00		1.499	
12	7:30	1.00	10.000	0.11	0.11	50.00	0.009	3.779	0.00
13	7:38		10.000			50.00		1.743	
14	7:41	1.00	10.000	0.11	1.67	50.00	0.051	1.537	0.03
15	7:47		10.000			50.00		0.830	
16	7:54		10.000			50.00		2.030	
17	8:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:13	1.00	10.000	0.09	0.04	50.00	0.001	1.015	0.00
19	8:20		10.000			50.00		0.190	
20	8:22		10.000			50.00		0.337	
21	8:28		50.000			50.00		0.103	
22	8:31		10.000			50.00		0.530	
23	8:39		10.000			50.00		0.231	
24	8:47		10.000			50.00		0.253	
25	8:52		10.000			50.00		1.157	
26	8:57		10.000			50.00		0.412	
27	9:07		10.000			50.00		0.126	
28	9:36		10.000			50.00		0.338	
29	9:50		10.000			50.00		0.607	
30	11:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:09		10.000			50.00		0.293	
32	10:15		10.000			100.00		0.319	
33	10:15		100.000			100.00		0.319	
34	10:31		10.000			50.00		1.302	
35	10:41		50.000			50.00		0.481	
36	10:59		10.000			50.00		1.343	
37	11:07		10.000			50.00		2.159	
38	11:16		50.000			50.00		0.321	
39	11:23		10.000			50.00		1.398	
40	11:25		50.000			50.00		0.054	
41	11:28		50.000			50.00		0.195	
42	11:36		10.000			50.00		1.632	
43	11:38		10.000			50.00		0.424	
44	11:05		10.000			50.00		0.259	
45	11:59		10.000			50.00		1.637	
46	12:05		10.000			50.00		0.472	
47	12:06		10.000			50.00		1.173	
48	12:09		50.000			50.00		0.238	

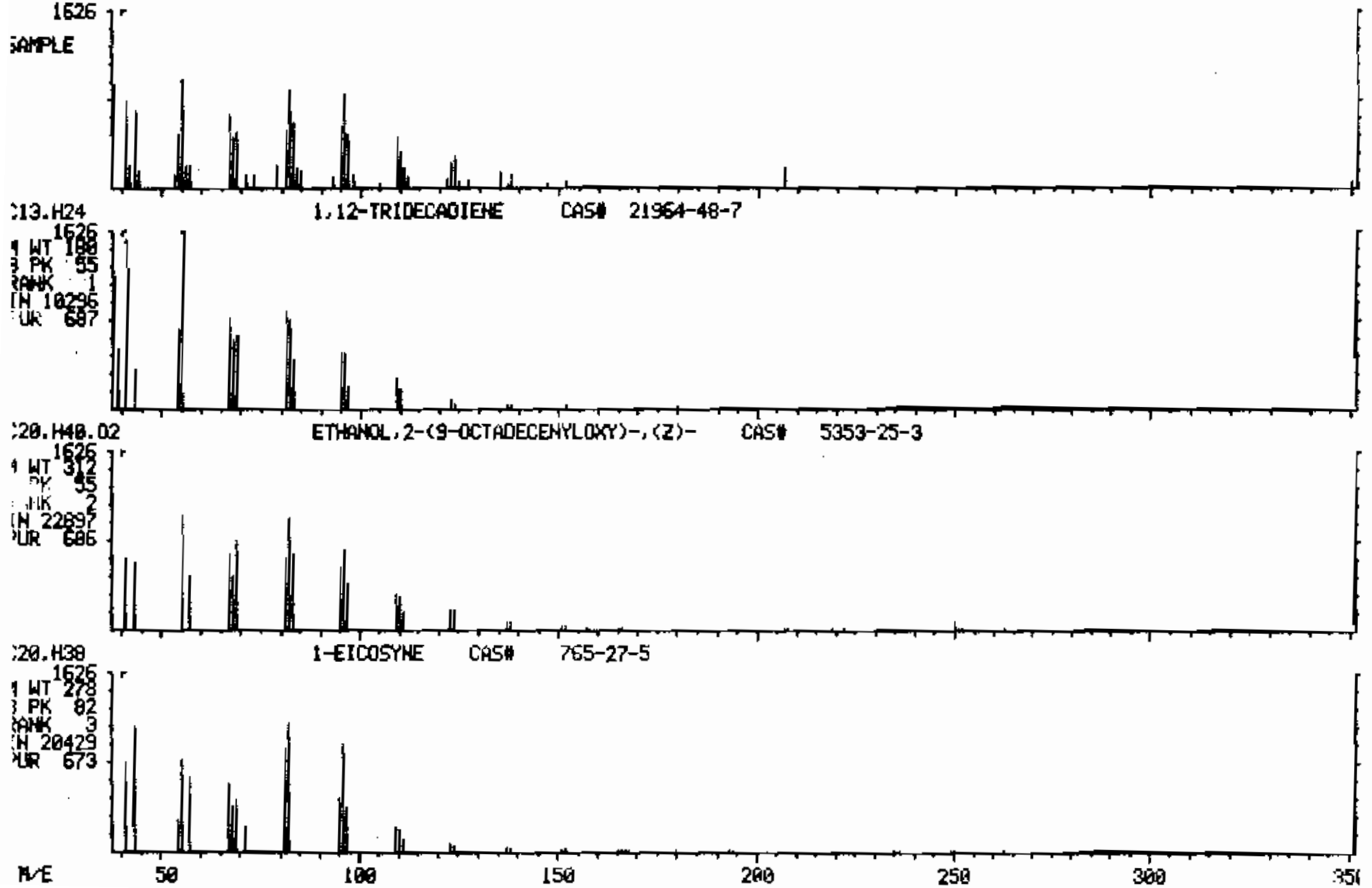
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:12		50.000			50.00		0.075	
51	12:15	1.00	10.000	0.09	1.15	50.00	0.014	0.615	0.02
52	12:46		10.000			50.00		0.197	
53	13:00		10.000			50.00		0.256	
54	13:13		50.000			50.00		0.094	
55	13:28		10.000			50.00		1.151	
56	13:31		10.000			50.00		1.085	
57	14:16	1.00	10.000	0.11	1.93	50.00	0.070	1.817	0.04
58	15:10	1.00	10.000	0.11	1.78	50.00	0.032	0.890	0.04
59	17:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:20		50.000			50.00		0.040	
61	15:29	1.00	10.000	0.09	1.76	50.00	0.066	1.888	0.04
62	16:22	1.00	10.000	0.10	0.63	50.00	0.015	1.167	0.01
63	17:07		20.000			50.00		0.285	
64	17:11		10.000			50.00		1.210	
65	17:12	1.00	10.000	0.10	1.25	50.00	0.045	1.809	0.03
66	17:16		10.000			50.00		1.238	
67	20:18	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:17	1.00	10.000	0.09	0.60	50.00	0.037	3.095	0.01
69	19:22		10.000			100.00		1.128	
70	19:22		10.000			100.00		1.128	
71	20:09		10.000			50.00		0.981	
72	23:57		10.000			50.00		1.230	
73	24:00		10.000			50.00		0.983	
74	25:04		10.000			50.00		1.039	
75	5:31	1.00	0.742	1.05	33.47	50.00	1.065	1.592	0.67
76	6:39	1.00	0.948	0.99	22.23	50.00	0.964	2.168	0.44
77	7:52	1.00	0.875	1.02	15.75	50.00	0.165	0.523	0.32
78	10:22	1.00	0.906	1.01	20.41	50.00	0.567	1.389	0.41
79	12:28	1.00	1.118	0.98	33.31	50.00	0.065	0.098	0.67
80	15:40	1.00	0.907	1.00	23.58	50.00	0.516	1.094	0.47
81	15:28	1.00	0.906	0.99	24.45	50.00	0.770	1.575	0.49

COMPUCHEM LABS

LIBRARY SEARCH
05/17/85 21:45:00 + 14:43
SAMPLE: 1 UL CC#49899 (5-6-85) CS#GEN TEST EPA#BLANK#1

DATA: GH049899B16 # 980
ENHANCED (10B 2N 0T)

BASE M/E: 55
RIC: 172287.



CASE#: GEN. TEST   DUE DATE:

SEMI-VOLATILE
GC/MS WORKSHEET   COMPUCHEM#: 44899

J[ ] R[ ] D[ ] (:1)
J2[ ] R2[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---056
Instrument Code---254
Compound List---142
Surrogate Std---392
Internal Std---935 (added by GC/MS)

SAS#:   EPA#: BLANK # 1

GC/MS ANALYSIS
Volumes mixed: BN 100 ul Acid 100 ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 1 ul
Date of Sample Bottle Analyzed 5 / 6 / 85
DFTPP Filename DI8505171B16 Disk (2917)
Standard Filename HI8505171B16 Disk ( )
Sample Filename GH044999B16 Disk ( )

ANALYST(S): Injection 903 Work-up 903

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes DK,EA,JA, ES,AL,AH,PL,PH,FL,JS,FH,NL,NH,YL,SL,SH,BM,YH

Non-Entry Codes IM,IL,IH,SV,CT,CS,PC,OT,NS,ED,IF,LA,DI,CO,RH,DW,DA

Disposition: [✓] Complete
[ ] Reinjection required
[ ] Reextraction required
[ ] Dilute (:1)
[ ] Reinject Neat
[ ] Send to QA

Extraneous Peak Search Results:
# of Peaks Found: 1

Quality Assurance Notice(s):
Notices Required ______

COMMENTS: PK 2035.60

GC/MS Review JR Date 5 / 2_ / 85 Auditor ______ Date __/__/__

REPORT INTEGRATION   Total # of Injections: 1
Final Reportable Package(s): GH-BL /

QA COMMENTS:

Initials ______ Date __/__/__

FINAL REVIEW: Initials ______ Date __/__/__

received

WORKSHEET (11/84)

SEMI-VOLATILE - LIQUID

P #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
494	152	I	D4-1,4-DICHLORLBENZENE (IS#	473	371000.	40.0		
441	42		N-NITROSODIMETHYLAMINE (G1#				BDL	20.
610	94		PHENOL (G1#3) <108-95-2>				BDL	20.
473	93		ANILINE (G1#4) <62-53-3>				BDL	20.
411	93		BIS(2-CHLORDETHYL)ETHER (G1				BDL	20.
601	128		2-CHLOROPHENOL (G1#6) <95-5				BDL	20.
421	146		1,3-DICHLOROBENZENE (G1#7)				BDL	20.
422	146		1,4-DICHLOROBENZENE (G1#8)				BDL	20.
474	108		BENZYL ALCOHOL (G1#9) <100-				BDL	20.
420	146		1,2-DICHLOROBENZENE (G1#10)				BOL	20.
620	108		2-METHYLPHENOL (G1#11) <95-				BDL	20.
412	45		BIS(2-CHLOROISOPROPYL)ETHER				BDL	20.
622	108		4-METHYLPHENOL (G1#13) <106				BDL	20.
442	70		N-NITROSO-DI-N-PROPYLAMINE				BDL	20.
436	117		HEXACHLORDETHANE (G1#15) <6				BDL	20.
440	77		NITROBENZENE (G1#16) <98-95				BDL	20.
460	136	I	D8-NAPHTHALENE (IS#2)	588	1270000.	40.0		
438	82		ISOPHORONE (G2#2) <78-59-1>				BDL	20.
606	139		2-NITROPHENOL (G2#3) <88-75				BDL	20.
603	122		2,4-DIMETHYLPHENOL (G2#4) <				BDL	20.
625	122		BENZOIC ACID (G2#5) <65-85-				BDL	100.
410	93		BIS(2-CHLOROETHOXY)METHANE				BDL	20.
602	162		2,4-DICHLOROPHENOL (G2#7) <				BDL	20.
6	180		1,2,4-TRICHLOROBENZENE (G2#				BDL	20.
39	128		NAPHTHALENE (G2#9) <91-20-3				BDL	20.
475	127		4-CHLORDANILINE (G2#10) <10				BDL	20.
434	225		HEXACHLOROBUTADIENE (G2#11)				BDL	20.
608	107		P-CHLORO-M-CRESOL (G2#12) <				BOL	20.
477	142		2-METHYLNAPHTHALENE (G2#13)				BDL	20
495	164	I	D10-ACENAPHTHENE (IS#3)	754	507000.	40.0		
435	237		HEXACHLOROCYCLOPENTADIENE (				BOL	
611	196		2,4,6-TRICHLOROPHENOL (G3#3				BDL	
626	196		2,4,5-TRICHLORDPHENOL (G3#4				BDL	
416	162		2-CHLORONAPHTHALENE (G3#5)				BDL	
478	65		2-NITROANILINE (G3#6) <88-7				BDL	100.
425	163		DIMETHYL PHTHALATE (G3#7) <				BDL	20.
402	152		ACENAPHTHYLENE (G3#8) <208-				BDL	20.
479	138		3-NITROANILINE (G3#9) <99-0				BDL	100.
401	153		ACENAPHTHENE (G3#10) <83-32				BDL	20.
605	184		2,4-DINITROPHENOL (G3#11) <				BDL	100.
607	139		4-NITROPHENOL (G3#12) <100-				BDL	100.
476	168		DIBENZOFURAN (G3#13) <132-6				BDL	20.
427	89		2,4-DINITROTOLUENE (G3#14)				BDL	20.
428	165		2,6-DINITROTOLUENE (G3#15)				BDL	20.
424	149		DIETHYL PHTHALATE (G3#16) <				BDL	20.
417	204		4-CHLOROPHENYL PHENYL ETHER				BDL	20.
432	166		FLUORENE (G3#18) <86-73-7>				BDL	20.
480	138		4-NITROANILINE (G3#19) <100				BDL	100.
47	188	I	D10-PHENANTHRENE (IS#4)	893	653000.	40.0		
4	198		4,6-DINITRO-2-METHYLPHENOL				BOL	100.
443	169		N-NITROSODIPHENYLAMINE (G4#				BDL	20.
414	248		4-BROMOPHENYL PHENYL ETHER				BOL	20.
433	284		HEXACHLOROBENZENE (G4#5) <1				BDL	20.
609	266		PENTACHLOROPHENOL (G4#6) <8				BDL	100.

SEMI-VOLATILE - LIQUID

CMP #	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
444	178		PHENANTHRENE (G4#7) <85-01-				BDL	20.
403	178		ANTHRACENE (G4#8) <120-12-7				BDL	20.
426	149		DI-N-BUTYL PHTHALATE (G4#9)				BDL	20.
431	202		FLUORANTHENE (G4#10) <206-4				BDL	20.
459	240	I	D12-CHRYSENE (IS#5)	1144	366000.	40.0		
404	184		BENZIDINE (G5#2) <92-87-5>				BDL	100.
445	202		PYRENE (G5#3) <129-00-0>				BDL	20.
415	149		BUTYLBENZYL PHTHALATE (G5#4				BDL	20.
423	252		3,3'-DICHLOROBENZIDINE (G5#				BDL	40.
405	228		BENZO(A)ANTHRACENE (G5#6) <				BDL	20.
413	149		BIS(2-ETHYLHEXYL) PHTHALATE				BDL	20.
418	228		CHRYSENE (G5#8) <218-01-9>				BDL	20.
497	264	I	D12-PERYLENE (IS#6)	1346	358000.	40.0		
429	149		DI-N-OCTYL PHTHALATE (G6#2)				BDL	20.
407	252		BENZO(B)FLUORANTHENE (G6#3)				BDL	20.
409	252		BENZO(K)FLUORANTHENE (G6#4)				BDL	20.
406	252		BENZO(A)PYRENE (G6#5) <50-3				BDL	20.
437	276		INDENO(1,2,3-C,D)PYRENE (G6				BDL	20.
419	278		DIBENZO(A,H)ANTHRACENE (G6#				BDL	20.
408	276		BENZO(G,H,I)PERYLENE (G6#8)				BDL	20.
619	112	S	2-FLUOROPHENOL (SB#1)			33.5	67.0%	
612	99	S	D5-PHENOL (SS#2)			22.2	44.0%	
447	82	S	D5-NITROBENEZENE (SB#3)			15.8	63.0%	
48	172	S	2-FLUOROBIPHENYL (SS#4)			20.4	82.0%	
28	141	S	2,4,6-TRIBROMOPHENOL (SS#5)			33.3	67.0%	
496	244	S	D14-TERPHENYL (SS#7)			23.6	94.0%	
471	212	S	D10-PYRENE (SS#6)			24.4	98.0%	
CHECKSUMS:								
6593.	2206			5198	3525000.	413.2	515.0	

SEMI-VOLATILE - LIQUID

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
75	619	2-FLUOROPHENOL (SS#1)	33.5	50.0	67.0	23-121	X	
76	612	D5-PHENOL (SS#2)	22.2	50.0	44.0	15-103	X	
77	447	D5-NITROBENEZENE (SS#3)	15.8	25.0	63.0	41-120	X	
78	445	2-FLUOROBIPHENYL (SS#4)	20.4	25.0	82.0	44-119	X	
79	628	2,4,6-TRIBROMOPHENOL (SS#5)	39.3	50.0	67.0	10-130	X	
80	496	D14-TERPHENYL (SS#7)	23.6	25.0	94.0	33-128	X	
81	471	D10-PYRENE (SS#6)	24.4	25.0	98.0	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:

$$\frac{\text{FINAL EXTRACT VOLUME (ML)}}{\text{1.0ML FOR ACID \& 1.0ML FOR BN}} \times \frac{\text{1000 ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{\text{1.0ML}}{\text{1.0ML \& 1.0ML}} \times \frac{\text{1000.ML}}{\text{1000.ML}} \times \frac{\text{1.0}}{\text{DILUTION FACTOR}} \times 2 = 2.000$$

GUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{\text{500 UL}}{\text{AMOUNT SURROGATE ADDED (UL)}} \times \frac{\text{FINAL EXTRACT VOL (ML)}}{\text{1.0ML FOR ACID \& 1.0ML FOR BN}} \times \text{GCMS DILUTION FACTOR} \times$$

$$\frac{\text{500 UL}}{\text{500 UL}} \times \frac{\text{1.0ML}}{\text{1.0ML \& 1.0ML}} \times \frac{\text{1.0}}{\text{DILUTION FACTOR}} \times 2 = 2.000$$

(R)

EXTRACTION WORKSHEET

Semi-Volatiles/Miscellaneous

ASSIGNED TO: Cyril (CKH)

DATE ASSIGNED 5/6/85

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
49804	-56	Gen. Test		BS		500 ml		0.5 ml	0.5 ml		13	1	5/6	diluted all samples w/ 500 ml extra H2O and used 250 µl surrogate 273/300
49805		Gen Test		SS	49803	500 ml		0.5 ml	0.5 ml		13	1	5/6	use 49803, *use 500 µl
49806		Gen Test		SS	49803	500 ml		0.5 ml	0.5 ml		13	1	5/6	
49803		Gen Test	50705H			1,000 ml		1.0 ml	1.0 ml		13	1	5/6	
49811			50705F			1,000 ml		1.0 ml	1.0 ml		13	1	5/6	
49812			50705B			1,000 ml		1.0 ml	1.0 ml		13	1	5/6	
49813			50705C			1,000 ml		1.0 ml	1.0 ml		13	1	5/6	
49814			T/Blk 11446			1,000 ml		1.0 ml	1.0 ml		13	1	5/6	
49899				B		1,000 ml		1.0 ml	1.0 ml		13	1	5/6	
49900				B^2		1,000 ml		1.0 ml	1.0 ml		13	1	5/6	

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393					
	AMT.	0.5 ml					
	LOT	14598					
SPIKE	NO.		3012	2021			
	AMT.		0.250 ml	0.250 ml			
	LOT		14558	14560			

issued 5/6 PM

MANUAL COUNTER 272/445 ✓ 273/300 ✓

FINAL VOLUME VERIFIED OK

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY BP 5/6/85

MeCl2 17, 20, 21, 22B

№ 6070

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

Sample Number
GH031C5407

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: low
Date extracted/prepared: 05-25-85
Date analyzed: 05-25-85
Conc/Dil Factor: 2.00

CAS Number		ug/l		CAS Number		ug/l	
62-75-9	N-Nitrosodimethylamine	20.	U	99-09-2	3-Nitroaniline	100	U
108-95-2	Phenol	20.	U	83-32-9	Acenaphthene	20.	U
62-53-3	Aniline	20.	U	51-28-5	2,4-Dinitrophenol	100	U
111-44-4	bis(2-Chloroethyl) ether	20.	U	100-02-7	4-Nitrophenol	100	U
95-57-8	2-Chlorophenol	20.	U	132-64-9	Dibenzofuran	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U	121-14-2	2,4-Dinitrotoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U	606-20-2	2,6-Dinitrotoluene	20.	U
100-51-6	Benzyl Alcohol	20.	U	84-66-2	Diethylphthalate	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U	7005-72-3	4-Chlorophenyl Phenyl ether	20.	U
95-48-7	2-Methylphenol	20.	U	86-73-7	Fluorene	20.	U
39638-32-9	bis(2-Chloroisopropyl) ether	20.	U	100-01-6	4-Nitroaniline	100	U
106-44-5	4-Methylphenol	20.	U	534-52-1	4,6-Dinitro-2-methylphenol	100	U
621-64-7	N-Nitroso-Dipropylamine	20.	U	86-30-6	N-nitrosodiphenylamine (1)	20.	U
67-72-1	Hexachloroethane	20.	U	101-55-3	4-Bromophenyl Phenyl ether	20.	U
98-95-3	Nitrobenzene	20.	U	118-74-1	Hexachlorobenzene	20.	U
78-59-1	Isophorone	20.	U	87-86-5	Pentachlorophenol	100	U
88-75-5	2-Nitrophenol	20.	U	85-01-8	Phenanthrene	20.	U
105-67-9	2,4-Dimethylphenol	20.	U	120-12-7	Anthracene	20.	U
65-85-0	Benzoic Acid	100	U	84-74-2	Di-n-butylphthalate	20.	U
111-91-1	bis(2-Chloroethoxy) methane	20.	U	206-44-0	Fluoranthene	20.	U
120-83-2	2,4-Dichlorophenol	20.	U	91-22-5	Benzidine	100	U
120-82-1	1,2,4-Trichlorobenzene	20.	U	129-00-0	Pyrene	20.	U
91-20-3	Naphthalene	20.	U	85-68-7	Butyl Benzyl Phthalate	20.	U
106-47-8	4-Chloroaniline	20.	U	91-94-1	3,3'-Dichlorobenzidine	40.	U
87-68-3	Hexachlorobutadiene	20.	U	56-55-3	Benzo(a)anthracene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U	117-81-7	bis(2-ethylhexyl)phthalate	20.	U
91-57-6	2-Methylnaphthalene	20.	U	218-01-9	Chrysene	20.	U
77-47-4	Hexachlorocyclopentadiene	20.	U	117-84-0	Di-n-octyl Phthalate	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U	205-99-2	Benzo(b)fluoranthene	20.	U
95-95-4	2,4,5-Trichlorophenol	100	U	207-08-9	Benzo(k)fluoranthene	20.	U
91-58-7	2-Chloronaphthalene	20.	U	50-32-8	Benzo(a)pyrene	20.	U
88-74-4	2-Nitroaniline	100	U	193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
131-11-3	Dimethyl Phthalate	20.	U	53-70-3	Dibenz(a,h)anthracene	20.	U
208-96-8	Acenaphthylene	20.	U	191-24-2	Benzo(g,h,i)perylene	20.	U

(1) Cannot be separated from diphenylamine

QUALITY ASSURANCE NOTICE

sample # 5162

fraction 6L

Peaks on the RIC of this sample at the retention times (scans) listed below were identified as laboratory artifacts. This was concluded from a comparison of tentatively identified compound spectra and retention times found by the Library Search routine of the sample and its associated method blank. These compounds should not be considered actual constituents of this sample fraction.

scans: 994

SG

5/25/85

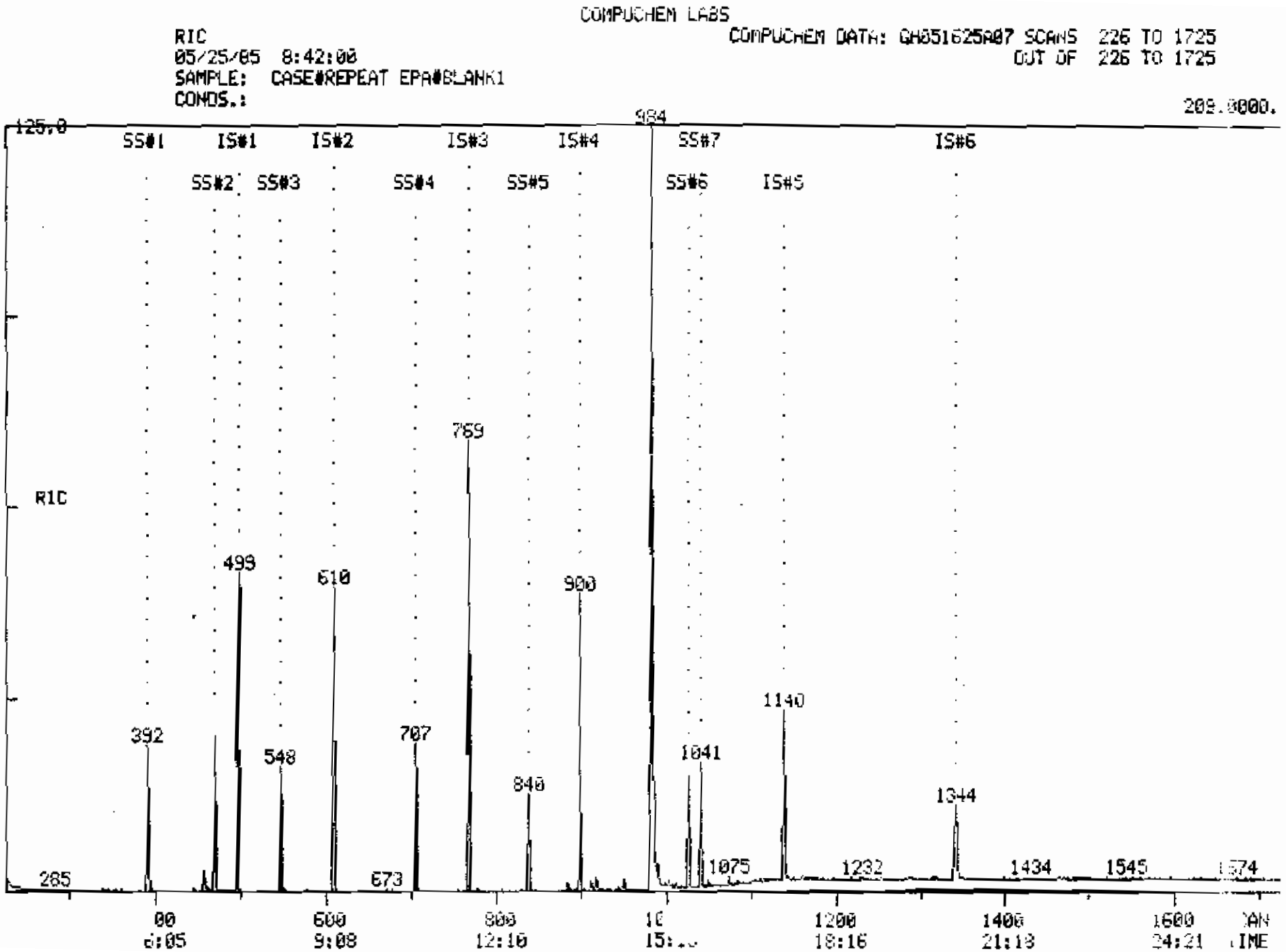
QANIOS
850218

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	629-74-3	1-HEXADECYNE	SEMI1	984	280.	J


COMPUCHEM LABS
RIC
05/25/85 8:42:00
SAMPLE: CASE#REPEAT EPA#BLANK1
CONDS.:
COMPUCHEM DATA: GH051625A07 SCANS 226 TO 1725
OUT OF 226 TO 1725
209.0000.
125.0
984
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
RIC
769
499
610
900
1140
392
707
548
1041
840
1344
285
673
1075
1232
1434
1545
1574
00
6:05
600
9:08
800
12:10
1000
15:13
1200
18:16
1400
21:18
1600
24:21
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 5/25/85 9:12:12
DATA FILE: GH051625A07
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI161

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
4	4	1	60	53	8	1	56	SEMI1S1/SEMI1U1
3	3	5	7	28	6	1	33	SEMI1S2/SEMI1U2

81 COMPOUNDS PROCESSED, 14 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SAT SEL	SAT DELTA	SAT PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	G1	1	-498	499	499	.	1	963	.	152	499	.	1
2	G3	1	-768	769	769	.	1	992	.	164	769	.	1
3	G2	1	-610	611	610	-1	1	989	.	136	610	.	1
4	G7	2	-391	392	392	.	1	908	.	112	392	.	1
5	G1	2	-256	257	.	.	.	.	.	42	256	.	3
6	G1	3	-471	472	.	.	.	.	.	94	.	.	.
7	G1	4	-473	474	.	.	.	.	.	93	.	.	.
8	G1	5	-478	479	.	.	.	.	.	93	.	.	.
9	G1	6	-482	483	.	.	.	.	.	128	.	.	.
10	G1	7	-495	496	.	.	.	.	.	146	.	.	.
11	G1	8	-499	500	.	.	.	.	.	146	.	.	.
12	G1	9	-511	512	.	.	.	.	.	108	.	.	.
13	G1	10	-515	516	.	.	.	.	.	146	.	.	.
14	G1	11	-522	523	.	.	.	.	.	108	.	.	.
15	G1	12	-525	526	.	.	.	.	.	45	527	.	2
16	G1	13	-534	535	.	.	.	.	.	108	.	.	.
17	G1	14	-537	538	.	.	.	.	.	70	.	.	.
18	G1	15	-543	544	.	.	.	.	.	117	.	.	.
19	G1	16	-550	551	.	.	.	.	.	77	.	.	.
20	G2	2	-570	571	.	.	.	.	.	82	.	.	.
21	G2	3	-578	579	.	.	.	.	.	139	.	.	.
22	G2	4	-581	582	.	.	.	.	.	122	.	.	.
23	G2	5	-589	590	.	.	.	.	.	122	.	.	.
24	G2	6	-589	590	.	.	.	.	.	93	.	.	.
25	G2	7	-598	599	.	.	.	.	.	162	.	.	.
26	G2	8	-606	607	.	.	.	.	.	180	.	.	.
27	G2	9	-612	613	.	.	.	.	.	128	.	.	.
28	G2	10	-617	618	.	.	.	.	.	127	.	.	.
29	G2	11	-620	629	.	.	.	.	.	225	.	.	.
30	G2	12	-659	660	.	.	.	.	.	107	.	.	.
31	G2	13	-673	674	.	.	.	.	.	142	.	.	.
32	G3	2	-693	694	.	.	.	.	.	237	.	.	.
33	G3	3	-700	701	.	.	.	.	.	196	.	.	.
34	G3	4	-700	701	.	.	.	.	.	196	.	.	.
35	G3	5	-716	717	.	.	.	.	.	162	.	.	.
36	G3	6	-727	728	.	.	.	.	.	65	.	.	.
37	G3	7	-746	747	.	.	.	.	.	163	.	.	.
38	G3	8	-754	755	.	.	.	.	.	152	.	.	.
39	G3	9	-727	728	.	.	.	.	.	138	.	.	.
40	G3	10	-771	772	.	.	.	.	.	153	.	.	.
41	G3	11	-773	774	.	.	.	.	.	184	.	.	.
42	G3	12	-785	786	.	.	.	.	.	139	.	.	.
43	G3	13	-785	786	.	.	.	.	.	168	.	.	.
44	G3	14	-787	788	.	.	.	.	.	89	.	.	.
45	G3	15	-752	753	.	.	.	.	.	165	.	.	.
46	G3	16	-809	810	.	.	.	.	.	149	809	.	1
47	G3	17	-815	816	.	.	.	.	.	204	.	.	.
48	G3	18	-816	817	.	.	.	.	.	166	.	.	.
49	G3	19	-820	821	.	.	.	.	.	125	.	.	.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.	1	918	.	[illegible]	771	.
51	Q7	4	-548	549	548	-1	1	951	.	82	548	.
52	Q7	5	-707	708	707	-1	1	966	.	172	707	.
53	Q7	6	-839	840	840	.	1	932	.	141	840	.
54	Q4	1	-900	900	900	.	1	989	.	188	900	.
55	Q5	1	-1139	1140	1140	.	1	981	.	240	1140	.
56	Q6	1	-1342	1344	1344	.	5	998	.	264	1344	.
7	Q4	2	-823	823	.	.	.	.	.	198	.	.
58	Q4	3	-826	826	.	.	.	.	.	169	.	.
59	Q4	4	-858	858	.	.	.	.	.	248	.	.
60	Q4	5	-872	872	.	.	.	.	.	284	.	.
61	Q4	6	-887	887	.	.	.	.	.	266	.	.
62	Q4	7	-902	902	.	.	.	.	.	178	.	.
63	Q4	8	-906	906	.	.	.	.	.	178	.	.
64	Q4	9	-952	953	953	.	1	950	.	149	953	.
65	Q4	10	-1008	1009	.	.	.	.	.	202	.	.
66	Q5	2	-1018	1019	.	.	.	.	.	184	.	.
67	Q5	3	-1029	1030	.	.	.	.	.	202	.	.
68	Q5	4	-1085	1086	.	.	.	.	.	149	1085	.
69	Q5	5	-1133	1134	.	.	.	.	.	252	.	.
70	Q5	6	-1138	1139	.	.	.	.	.	228	1140	.
71	Q5	7	-1139	1140	.	.	.	.	.	149	1139	.
72	Q5	8	-1142	1143	.	.	.	.	.	228	1140	.
73	Q6	2	-1211	1213	.	.	.	.	.	149	1212	.
74	Q6	3	-1281	1283	.	.	.	.	.	252	.	.
75	Q6	4	-1281	1283	.	.	.	.	.	252	.	.
76	Q6	5	-1333	1335	.	.	.	.	.	252	.	.
77	Q6	6	-1585	1588	.	.	.	.	.	276	.	.
78	Q6	7	-1590	1593	.	.	.	.	.	278	.	.
79	Q6	8	-1659	1662	.	.	.	.	.	276	.	.
80	Q7	7	-1040	1041	1041	.	1	970	.	244	1041	.
81	Q8	2	-1027	1028	1028	.	1	912	.	212	1027	-1

Internal Sta[illegible]a Monitor

Method: SEM11 Fil[illegible] GH051625A07 Date: 05/25/85
Shift Std: HGB50525C07 Time: 8:42

Compound	Peak Area Sample	Peak Area Shift Std	XDiff	P/F
*** D4-1,4-DICHLOROBENZENE (IS#1)	1614810.	1563640.	3.	Pass
*** D8-NAPHTHALENE (IS#2)	4920410.	4905690.	0.	Pass
*** D10-ACENAPHTHENE (IS#3)	2642840.	2473720.	7.	Pass
*** D10-PHENANTHRENE (IS#4)	3802910.	4007800.	-4.	Pass
*** D12-CHRYSENE (IS#5)	2155800.	2657500.	-18.	Pass
*** D12-PERYLENE (IS#6)	2138170.	2356030.	-8.	Pass

```
QUANTITATION

DATA: GH051625A07.TI
05/25/85  8:42:00
SAMPLE:  CASE#REPEAT EPA#BLANK1
COMMENTS:
SUBMITTED BY: D7            ANALYST: 644

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

 NO  NAME
  1  *** D4-1,4-DICHLOROBENZENE (IS#1)
  2  441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
  3  610 PHENOL (Q1#3) <108-95-2>
  4  473 ANILINE (Q1#4) <62-53-3>
  5  411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
  6  601 2-CHLOROPHENOL (Q1#6) <95-57-8>
  7  421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
  8  422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
  9  474 BENZYL ALCOHOL (Q1#9) <100-51-6>
 10  420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
 11  620 2-METHYLPHENOL (Q1#11) <95-48-7>
 12  412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
 13  622 4-METHYLPHENOL (Q1#13) <106-44-5>
 14  442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
 15  436 HEXACHLOROETHANE (Q1#15) <67-72-1>
 16  440 NITROBENZENE (Q1#16) <98-95-3>
 17  *** D8-NAPHTHALENE (IS#2)
 18  438 ISOPHORONE (Q2#2) <78-59-1>
 19  606 2-NITROPHENOL (Q2#3) <88-75-5>
 20  603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
 21  625 BENZOIC ACID (Q2#5) <65-85-0>
 22  410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
 23  602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
 24  446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
 25  439 NAPHTHALENE (Q2#9) <91-20-3>
 26  475 4-CHLOROANILINE (Q2#10) <106-47-8>
 27  434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
 28  608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
 29  477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
 30  *** D10-ACENAPHTHENE (IS#3)
 31  435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
 32  611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
 33  626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
 34  416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
 35  478 2-NITROANILINE (Q3#6) <88-74-4>
 36  425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
 37  402 ACENAPHTHYLENE (Q3#8) <208-96-8>
 38  479 3-NITROANILINE (Q3#9) <99-09-2>
 39  401 ACENAPHTHENE (Q3#10) <83-32-9>
 40  605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
 41  607 4-NITROPHENOL (Q3#12) <100-02-7>
 42  476 DIBENZOFURAN (Q3#13) <132-64-9>
 43  427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
 44  428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
 45  424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
     417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
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NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	*** D12-CHRYSENE (I6#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
75	### 2-FLUOROPHENOL (SS#1)
76	### D5-PHENOL (SS#2)
77	### D5-NITROBENZENE (SS#3)
78	### 2-FLUOROBIPHENYL (SS#4)
79	### 2,4,6-TRIBROMOPHENOL (SS#5)
80	### D14-TERPHENYL (SS#6)
81	### D10 PYRENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	499	7:36	1	1.000	A BB	1614810.	40.000 NG	9.91
2	42	256	3:54	1	0.513	A*BV	4256.	0.060 NG	0.01
3	94	NOT FOUND							
4	93	NOT FOUND							
5	93	NOT FOUND							
6	128	NOT FOUND							
7	146	NOT FOUND							
8	146	NOT FOUND							
9	108	NOT FOUND							
10	146	NOT FOUND							
11	108	NOT FOUND							
12	45	527	8:01	1	1.056	A*BB	2592.	0.022 NG	0.01
13	108	NOT FOUND							
14	70	NOT FOUND							
15	117	NOT FOUND							
16	77	NOT FOUND							
17	136	610	9:17	17	1.000	A BV	4920410.	40.000 NG	9.91
9	82	NOT FOUND							
	128	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	NOT FOUND								
21	122	NOT FOUND								
22	93	NOT FOUND								
23	162	NOT FOUND								
24	180	NOT FOUND								
25	128	NOT FOUND								
26	127	NOT FOUND								
27	225	NOT FOUND								
28	107	NOT FOUND								
29	142	NOT FOUND								
30	164	769	11:42	30	1.000	A BB	2642840.	40.000	NG	9.91
31	237	NOT FOUND								
32	196	NOT FOUND								
33	196	NOT FOUND								
34	162	NOT FOUND								
35	65	NOT FOUND								
36	163	NOT FOUND								
37	152	NOT FOUND								
38	138	NOT FOUND								
39	153	NOT FOUND								
40	184	NOT FOUND								
41	139	NOT FOUND								
42	168	NOT FOUND								
43	89	NOT FOUND								
44	165	NOT FOUND								
45	149	809	12:19	30	1.052	A BB	15328.	0.142	NG	0.04
46	204	NOT FOUND								
47	166	NOT FOUND								
48	138	NOT FOUND								
49	188	900	13:42	49	1.000	A BV	3802910.	40.000	NG	9.91
50	198	NOT FOUND								
51	169	NOT FOUND								
52	248	NOT FOUND								
53	284	NOT FOUND								
54	266	NOT FOUND								
55	178	NOT FOUND								
56	178	NOT FOUND								
57	149	953	14:30	49	1.059	A BB	183264.	1.300	NG	0.32
58	202	NOT FOUND								
59	240	1140	17:21	59	1.000	A BV	2155800.	40.000	NG	9.91
60	184	NOT FOUND								
61	202	NOT FOUND								
62	149	1085	16:31	59	0.952	A*VV	17326.	0.387	NG	0.10
63	252	NOT FOUND								
64	228	1140	17:21	59	1.000	A BB	8864.	0.139	NG	0.03
65	149	1139	17:20	59	0.999	A VV	58756.	0.798	NG	0.20
66	228	1140	17:21	59	1.000	A BB	8864.	0.152	NG	0.04
67	264	1344	20:27	67	1.000	A BV	2138170.	40.000	NG	9.91
68	149	1212	18:27	67	0.902	A*VV	16476.	0.141	NG	0.03
69	252	NOT FOUND								
70	252	NOT FOUND								
71	252	NOT FOUND								
72	276	NOT FOUND								
73	278	NOT FOUND								
74	276	NOT FOUND								
	112	397	5:58	1	0.786	A BV	1325270	23.758	NG	5.88

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	471	7:10	1	0.944	A BV	1089950.	15.445	NG	3.82
77	82	548	8:20	17	0.898	A BV	1306970.	18.971	NG	4.70
78	172	707	10:46	30	0.919	A BV	1679000.	17.624	NG	4.36
79	141	840	12:47	30	1.092	A BV	236736.	32.349	NG	8.01
80	244	1041	15:50	59	0.913	A BV	1529910.	25.849	NG	6.40
81	212	1027	15:38	59	0.901	A BV	2015000.	26.699	NG	6.61

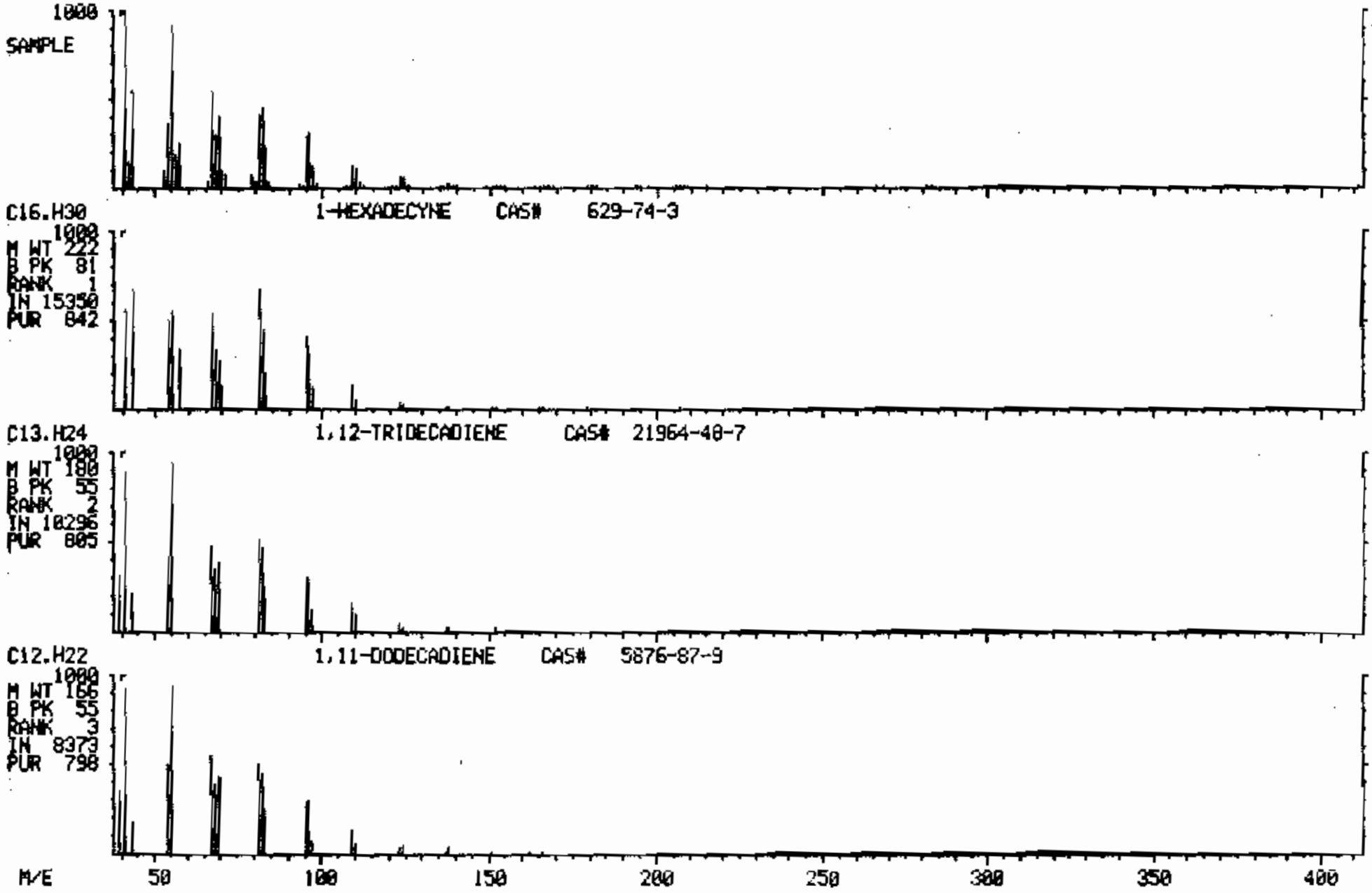
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:54	1.00	10.000	0.05	0.06	50.00	0.002	1.764	0.00
3	7:10		10.000			50.00		1.901	
4	7:12		10.000			50.00		1.705	
5	7:16		10.000			50.00		1.598	
6	7:20		10.000			50.00		1.329	
7	7:32		10.000			50.00		1.574	
8	7:36		10.000			50.00		1.623	
9	7:47		10.000			50.00		0.768	
10	7:50		10.000			50.00		1.461	
11	7:57		10.000			50.00		1.099	
12	7:59	1.00	10.000	0.11	0.02	50.00	0.001	2.878	0.00
13	8:08		10.000			50.00		1.225	
14	8:10		10.000			50.00		1.340	
15	8:16		10.000			50.00		0.735	
16	8:22		10.000			50.00		1.810	
17	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:40		10.000			50.00		0.981	
19	8:46		10.000			50.00		0.194	
20	8:50		10.000			50.00		0.358	
21	8:58		50.000			50.00		0.165	
22	8:58		10.000			50.00		0.485	
23	9:06		10.000			50.00		0.327	
24	9:13		10.000			50.00		0.386	
25	9:19		10.000			50.00		1.114	
26	9:23		10.000			50.00		0.306	
27	9:33		10.000			50.00		0.222	
28	10:02		10.000			50.00		0.400	
29	10:14		10.000			50.00		0.688	
30	11:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:33		10.000			50.00		0.305	
32	10:39		10.000			100.00		0.388	
33	10:39		50.000			100.00		0.388	
34	10:54		10.000			50.00		1.271	
35	11:04		50.000			50.00		0.589	
36	11:21		10.000			50.00		1.482	
37	11:28		10.000			50.00		1.775	
38	11:04		50.000			50.00		0.408	
39	11:44		10.000			50.00		1.253	
40	11:46		50.000			50.00		0.070	
41	11:57		50.000			50.00		0.895	
42	11:57		10.000			50.00		1.665	
43	11:59		10.000			50.00		0.463	
44	11:27		10.000			50.00		0.293	
45	12:19	1.00	10.000	0.11	0.14	50.00	0.005	1.631	0.00
46	12:24		10.000			50.00		0.598	
47	12:25		10.000			50.00		1.313	
	12:51		50.000			50.00		0.164	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:31		50.000			50.00		0.084	
51	12:34		10.000			50.00		0.476	
	13:03		10.000			50.00		0.212	
	13:16		10.000			50.00		0.297	
54	13:30		50.000			50.00		0.066	
55	13:44		10.000			50.00		1.069	
56	13:47		10.000			50.00		0.999	
57	14:29	1.00	10.000	0.11	1.30	50.00	0.039	1.483	0.03
58	15:20		10.000			50.00		1.042	
59	17:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:29		50.000			50.00		0.006	
61	15:40		10.000			50.00		1.619	
62	16:31	1.00	10.000	0.10	0.39	50.00	0.006	0.830	0.01
63	17:14		20.000			50.00		0.182	
64	17:19	1.00	10.000	0.10	0.14	50.00	0.003	1.183	0.00
65	17:20	1.00	10.000	0.10	0.80	50.00	0.022	1.367	0.02
66	17:23	1.00	10.000	0.10	0.15	50.00	0.003	1.084	0.00
67	20:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:26	1.00	10.000	0.09	0.14	50.00	0.006	2.193	0.00
69	19:30		10.000			100.00		1.126	
70	19:30		10.000			100.00		1.126	
71	20:17		10.000			50.00		1.029	
72	24:07		10.000			50.00		1.190	
73	24:12		10.000			50.00		0.979	
74	25:15		10.000			50.00		0.961	
75	5:57	1.00	0.742	1.06	23.76	50.00	0.657	1.382	0.48
76	7:09	1.00	0.948	1.00	15.45	50.00	0.538	1.742	0.31
77	8:20	1.00	0.875	1.03	18.97	50.00	0.212	0.560	0.38
	10:46	1.00	0.906	1.01	17.62	50.00	0.508	1.442	0.35
	12:46	1.00	1.118	0.98	32.35	50.00	0.072	0.111	0.65
80	15:50	1.00	0.907	1.01	25.85	50.00	0.568	1.098	0.52
81	15:38	1.00	0.906	0.99	26.70	50.00	0.748	1.400	0.53

COMPUCHEM LABS

LIBRARY SEARCH
05/25/85 8:42:00 + 14:56
SAMPLE: CASE#REPEAT EPA#BLANK1

DATA: GH051625A07 # 984 BASE M/E: 41
ENHANCED (100 2N 0T) RIC: 16678900.



CASE#: REPEATS DUE DATE: 5/24

SEMI-VOLATILE /MS WORKSHEET COMPUCHEM#: 51625

J1[ ] R1[ ] D1[ ] (1)

J2[ ] R2[ ] D2[ ] (1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---056
Instrument Code---254
Compound List---142
Surrogate Std---392
Internal Std---035 (added by GC/MS)

SAS: EPA#: BLANK 1

GC/MS ANALYSIS

Volumes mixed: BN 100 ul Acid 100 ul
Internal Standard Volume Added 5.0 ul
Mixed Sample Volume Injected 1.0 ul
Date of Sample Bottle Analyzed 5/24/84
DFTPP Filename DFB50525.C08 Disk (78)
Standard Filename MG50521.C02 Disk (78)
Sample Filename GMS1625A02 Disk (78)

ANALYST(S): Injection 644 Work-up 644

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes OK,EA,JA, ES,AL,AN,PL,PK,FL,JS FM,NL,NH,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,OT,NS ED,IF,LA,DI,CO,RN,DW,DA

Disposition:
[X] Complete
[ ] Reinjection required
[ ] Reextraction required
[ ] Dilute (1)
[ ] Reinject Neat
[ ] Send to QA

Extraneous Peak Search Results:
# of Peaks Found: PK 20

Quality Assurance Notice(s):
Notices Required

COMMENTS:

GC/MS Review SM Date 5/24/85 Auditor Date / /

REPORT INTEGRATION Total # of Injections: 1
Final Reportable Package(s): /

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

ENTERED 5/24/85

received 5/28/85

EPAWATER (11/84)

Semi-Volatile - Liquid

	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/l)	Detection Limit (ug/l)
2	441	___	N-NITROSODIMETHYLAMINE (Q1#2) <62-			BDL	20.0
3	610	___	PHENOL (Q1#3) <108-95-2>			BDL	20.0
4	473	___	ANILINE (Q1#4) <62-53-3>			BDL	20.0
5	411	___	BIS(2-CHLOROETHYL)ETHER (Q1#5) <11			BDL	20.0
6	601	___	2-CHLOROPHENOL (Q1#6) <95-57-8>			BDL	20.0
7	421	___	1,3-DICHLOROBENZENE (Q1#7) <541-73			BDL	20.0
8	422	___	1,4-DICHLOROBENZENE (Q1#8) <106-46			BDL	20.0
9	474	___	BENZYL ALCOHOL (Q1#9) <100-51-6>			BDL	20.0
10	420	___	1,2-DICHLOROBENZENE (Q1#10) <95-50			BDL	20.0
11	620	___	2-METHYLPHENOL (Q1#11) <95-48-7>			BDL	20.0
12	412	___	BIS(2-CHLOROISOPROPYL)ETHER (Q1#12			BDL	20.0
13	622	___	4-METHYLPHENOL (Q1#13) <106-44-5>			BDL	20.0
14	442	___	N-NITROSO-DI-N-PROPYLAMINE (Q1#14)			BDL	20.0
15	436	___	HEXACHLOROETHANE (Q1#15) <67-72-1>			BDL	20.0
16	440	___	NITROBENZENE (Q1#16) <98-95-3>			BDL	20.0
18	438	___	ISOPHORONE (Q2#2) <78-59-1>			BDL	20.0
19	606	___	2-NITROPHENOL (Q2#3) <88-75-5>			BDL	20.0
20	603	___	2,4-DIMETHYLPHENOL (Q2#4) <105-67-			BDL	20.0
21	625	___	BENZOIC ACID (Q2#5) <65-85-0>			BDL	100.0
22	410	___	BIS(2-CHLOROETHOXY)METHANE (Q2#6)			BDL	20.0
23	602	___	2,4-DICHLOROPHENOL (Q2#7) <120-83-			BDL	20.0
24	446	___	1,2,4-TRICHLOROBENZENE (Q2#8) <120			BDL	20.0
25	439	___	NAPHTHALENE (Q2#9) <91-20-3>			BDL	20.0
26	475	___	4-CHLOROANILINE (Q2#10) <106-47-8>			BDL	20.0
	434	___	HEXACHLOROBUTADIENE (Q2#11) <87-68			BDL	20.0
[illegible]	608	___	P-CHLORO-M-CRESOL (Q2#12) <59-50-7			BDL	20.0
29	477	___	2-METHYLNAPHTHALENE (Q2#13) <91-57			BDL	20.0
31	435	___	HEXACHLOROCYCLOPENTADIENE (Q3#2) <			BDL	20.0
32	611	___	2,4,6-TRICHLOROPHENOL (Q3#3) <88-0			BDL	20.0
33	626	___	2,4,5-TRICHLOROPHENOL (Q3#4) <95-9			BDL	100.0
34	416	___	2-CHLORONAPHTHALENE (Q3#5) <91-58-			BDL	20.0
35	478	___	2-NITROANILINE (Q3#6) <88-74-4>			BDL	100.0
36	425	___	DIMETHYL PHTHALATE (Q3#7) <131-11-			BDL	20.0
37	402	___	ACENAPHTHYLENE (Q3#8) <208-96-8>			BDL	20.0
38	479	___	3-NITROANILINE (Q3#9) <99-09-2>			BDL	100.0
39	401	___	ACENAPHTHENE (Q3#10) <83-32-9>			BDL	20.0
40	605	___	2,4-DINITROPHENOL (Q3#11) <51-28-5			BDL	100.0
41	607	___	4-NITROPHENOL (Q3#12) <100-02-7>			BDL	100.0
42	476	___	DIBENZOFURAN (Q3#13) <132-64-9>			BDL	20.0
43	427	___	2,4-DINITROTOLUENE (Q3#14) <121-14			BDL	20.0
44	428	___	2,6-DINITROTOLUENE (Q3#15) <606-20			BDL	20.0
45	424	___	DIETHYL PHTHALATE (Q3#16) <84-66-2			BDL	20.0
46	417	___	4-CHLOROPHENYL PHENYL ETHER (Q3#17			BDL	20.0
47	432	___	FLUORENE (Q3#18) <86-73-7>			BDL	20.0
48	480	___	4-NITROANILINE (Q3#19) <100-01-6>			BDL	100.0
50	604	___	4,6-DINITRO-2-METHYLPHENOL (Q4#2)			BDL	100.0
51	443	___	N-NITROSODIPHENYLAMINE (Q4#3) <86-			BDL	20.0
52	414	___	4-BROMOPHENYL PHENYL ETHER (Q4#4)			BDL	20.0
53	433	___	HEXACHLOROBENZENE (Q4#5) <118-74-1			BDL	20.0
[illegible]	609	___	PENTACHLOROPHENOL (Q4#6) <87-86-5>			BDL	100.0
	444	___	PHENANTHRENE (Q4#7) <85-01-8>			BDL	20.0
56	403	___	ANTHRACENE (Q4#8) <120-12-7>			BDL	20.0
57	426	___	DI-N-BUTYL PHTHALATE (Q4#9) <84-74			BDL	20.0
58	431	___	FLUORANTHENE (Q4#10) <206-44-0>			BDL	20.0

	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/l)	Detection Limit (ug/l)
60	404	___	BENZIDINE (G5#2) <92-87-5>			BDL	100.0
61	445	___	PYRENE (G5#3) <129-00-0>			BDL	20.0
62	415	___	BUTYLBENZYL PHTHALATE (G5#4) <85-6			BDL	20.0
63	423	___	3,3'-DICHLOROBENZIDINE (G5#5) <91-			BDL	40.0
64	405	___	BENZO(A)ANTHRACENE (G5#6) <56-55-3			BDL	20.0
65	413	___	BIS(2-ETHYLHEXYL) PHTHALATE (G5#7)			BDL	20.0
66	418	___	CHRYSENE (G5#8) <218-01-9>			BDL	20.0
68	429	___	DI-N-OCTYL PHTHALATE (G6#2) <117-8			BDL	20.0
69	407	___	BENZO(B)FLUORANTHENE (G6#3) <205-9			BDL	20.0
70	409	___	BENZO(K)FLUORANTHENE (G6#4) <207-0			BDL	20.0
71	406	___	BENZO(A)PYRENE (G6#5) <50-32-8>			BDL	20.0
72	437	___	INDENO(1,2,3-C,D)PYRENE (G6#6) <19			BDL	20.0
73	419	___	DIBENZO(A,H)ANTHRACENE (G6#7) <53-			BDL	20.0
74	408	___	BENZO(G,H,I)PERYLENE (G6#8) <191-2			BDL	20.0

Semi-Volatile - Liquid

	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
75	##	2-FLUOROPHENOL (SS#1)	23.8	50.0	48.0	23-121	X	
76	##	D5-PHENOL (SS#2)	15.4	50.0	31.0	15-103	X	
77	##	D5-NITROBENZENE (SS#3)	19.0	25.0	76.0	41-120	X	
78	##	2-FLUORDBIPHENYL (SS#4)	17.6	25.0	70.0	44-119	X	
79	##	2,4,6-TRIBROMOPHENOL (SS#5)	32.3	50.0	65.0	10-130	X	
80	##	D14-TERPHENYL (SS#6)	25.8	25.0	103.0	33-128	X	
81	##	D10 PYRENE	26.7	25.0	107.0	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:

$$\frac{\text{Final Extract Volume (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{1000\ \text{ml}}{\text{Vol Sample Extracted (ml)}} \times \text{Dilution Factor} \times 2 =$$

$$\frac{1.0\text{ml}}{1.0\text{ml \& } 1.0\text{ml}} \times \frac{1000.\text{ml}}{1000.\text{ml}} \times \frac{1.0}{1.0} \times 2 = 2.000$$

Quant Report amount spiked conversion factor:

$$\frac{500\ \text{ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \text{GCMS Dilution Factor} \times 2 =$$

$$\frac{500\ \text{ul}}{500\ \text{ul}} \times \frac{1.0\text{ml}}{1.0\text{ml \& } 1.0\text{ml}} \times \frac{1.0}{1.0} \times 2 = 2.000$$

EXTRACTION WORKSHEET

Semi-Volatiles / Miscellaneous

ASSIGNED TO: JCH Dchrmnk

DATE ASSIGNED 5/24/85

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
49806 R	-56	GenTest		SS	49813	500 ml		0.5 ml	0.5 ml		13	1	5/24	Rinse 49503 out / 49811, 12, 13, 14, 15 R/ 272/300
49805 R	-			SS		500 ml		0.5 ml	0.5 ml		13	1	5/24	Spiked 250 ml surrogate & diluted 500 ml w/ H2O for samples
49811 R			N/A			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
49812 R		↓	N/A			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
50168 R		4236	BB245			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
50173 R			BB246			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
50180 R		↓	BB249			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
51625				S'		1000 ml		1.0 ml	1.0 ml		13	1	5/24	
51626	↓			BS		1000 ml		1.0 ml	1.0 ml		13	1	5/24	

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393					
	AMT.	0.5 ml					
	LOT	14693					
SPIKE	NO.		2012	2021			
	AMT.		0.250 ml	0.250 ml			
	LOT		14655	14687			

MANUAL COUNTER 272/463

FINAL VOLUME VERIFIED OK

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY TD 5/24/85

Issued 5/24/85 TSD

Nº 6218

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

Sample Number
507050 MS

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CampuChem
Lab Sample ID No: CN049808812
Sample matrix: liquid
Data Release Authorized By: [signature]

Case: GEN TEST
QC Report No: 291/314
Contract No:
Date Sample Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 5-9-85
Date analyzed: ~~5-8-85~~ 5-9-85 [signature]
Conc/Dil Factor: 1.00 pH:
Percent moisture: N/A
Percent moisture (decanted):

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	5.9		79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	7.2	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	8.2		127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

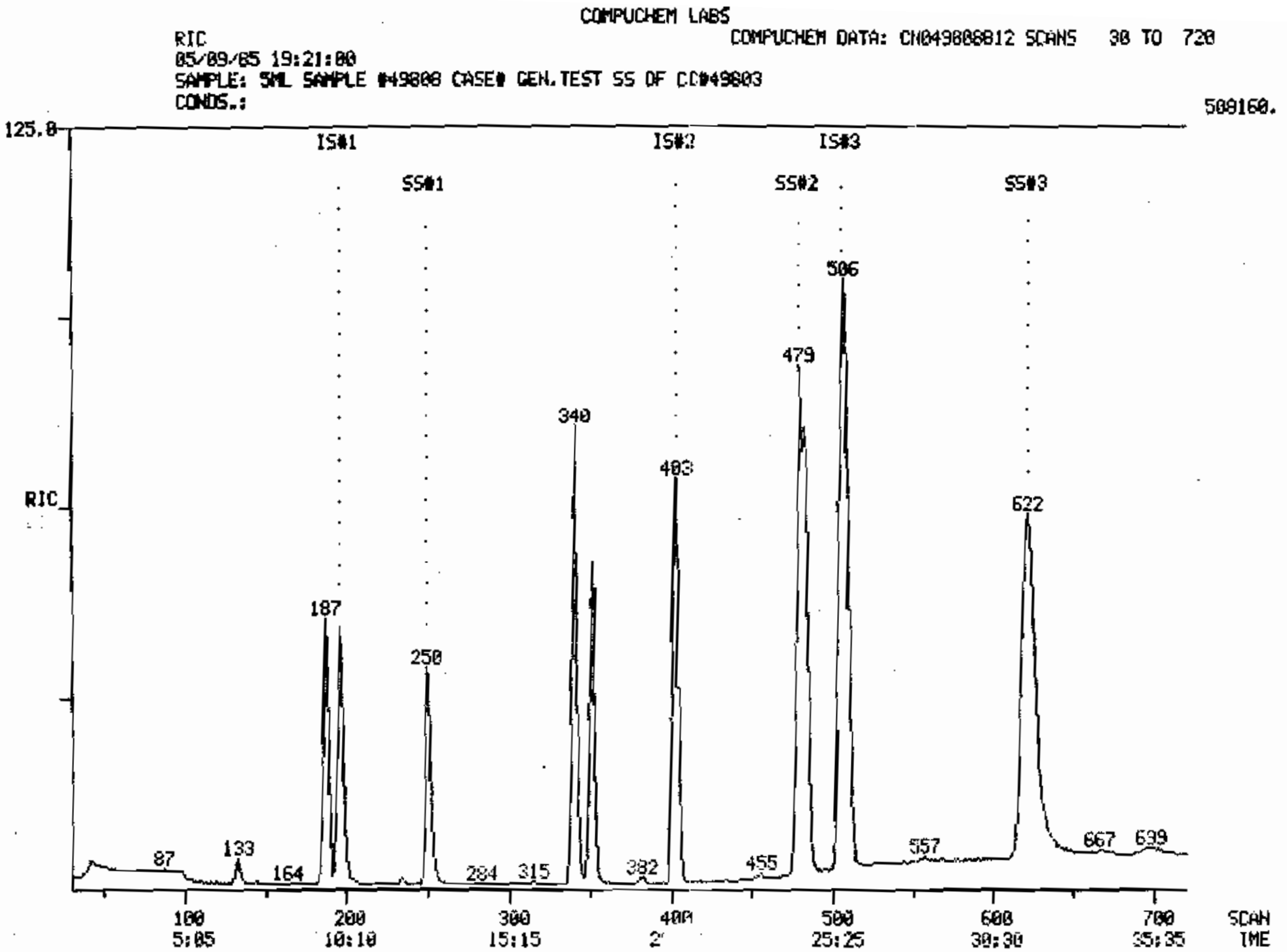
4/84

50705A MS

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.		None			
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: CN049808812 SCANS 30 TO 720
05/09/85 19:21:00
SAMPLE: SML SAMPLE #49808 CASE# GEN.TEST SS OF CC#49803
CONDS.:
508160.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
506
479
340
403
622
187
250
RIC
87
133
164
284
315
382
455
557
667
699
100
5:05
200
10:10
300
15:15
400
20
500
25:25
600
30:30
700
35:35
SCAN
TME

Internal Standard Area Monitor

Method: E237 Filename: CN049608B12 Date: 05/09/85
Shift Std: C8850509B12 Time: 19:21

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
* BROMOCHLOROMETHANE (IS)	116506.	135457.	-13.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	471827.	512684.	-7.	Pass
* D5 CHLOROBENZENE(INTERNAL STANDARD)	425717.	467399.	-8.	Pass

PROCEDURE: RK DIAG ; REPORT 5/09/85 20:08:38
DATA FILE: CN049808B12
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	3	1	27	42	12	1	36	E237S/E237U

42 COMPOUNDS PROCESSED, 12 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEL	DELTA	PEAKS	FIT	PEAKS	BAT M/E	CHRO TOP	DELTA	PEAKS
1	E1	1	-173	176	176	.	1	977	.	128	176	.	1
2	E2	1	-399	403	403	.	1	997	.	114	403	.	1
3	E3	1	-501	505	505	.	1	962	.	117	505	.	1
4	E1	2	-34	36	.	.	.	.	.	50	.	.	.
5	E1	3	-54	56	.	.	.	.	.	94	.	.	.
6	E1	4	-69	71	.	.	.	.	.	62	.	.	.
7	E1	5	-89	91	.	.	.	.	.	64	.	.	.
8	E1	6	-131	133	133	.	1	963	.	84	133	.	1
9	E1	7	-143	145	.	.	.	.	.	43	145	.	1
10	E1	8	-162	165	.	.	.	.	.	76	164	.	1
11	E1	9	-185	188	187	-1	1	981	.	96	187	.	1
12	E1	10	-210	213	.	.	.	.	.	63	212	.	1
13	E1	11	-224	227	.	.	.	.	.	96	226	.	1
14	E1	12	-234	237	.	.	.	.	.	83	237	.	1
15	E1	13	-249	252	.	.	.	.	.	62	252	.	1
16	E2	2	-247	250	.	.	.	.	.	72	250	.	1
17	E2	3	-276	279	.	.	.	.	.	97	279	.	1
8	E2	4	-284	287	.	.	.	.	.	117	.	.	.
19	E2	5	-285	288	.	.	.	.	.	43	.	.	.
20	E2	6	-293	296	.	.	.	.	.	83	.	.	.
21	E2	7	-321	324	.	.	.	.	.	63	.	.	.
22	E2	8	-326	329	.	.	.	.	.	75	.	.	.
23	E2	9	-337	340	340	.	1	974	.	130	340	.	1
24	E2	10	-349	352	.	.	.	.	.	129	.	.	.
25	E2	11	-351	354	.	.	.	.	.	97	.	.	.
26	E2	12	-347	350	351	1	1	993	.	78	351	.	.
27	E2	13	-351	354	.	.	.	.	.	75	351	.	.
28	E2	14	-373	376	.	.	.	.	.	63	.	.	.
29	E2	15	-403	406	.	.	.	.	.	173	407	.	1
30	E3	2	-414	417	.	.	.	.	.	43	418	.	1
31	E3	3	-446	449	.	.	.	.	.	43	446	.	1
32	E3	4	-451	454	.	.	.	.	.	164	455	.	1
33	E3	5	-450	453	.	.	.	.	.	83	454	.	1
34	E3	6	-479	483	482	-1	1	981	.	92	482	.	1
35	E3	7	-504	508	507	-1	1	986	.	112	508	1	1
36	E3	8	-553	557	.	.	.	.	.	106	558	.	1
37	E3	9	-658	662	.	.	.	.	.	104	663	.	1
38	E3	10	-667	671	.	.	.	.	.	106	671	.	2
39	E3	11	-694	698	.	.	.	.	.	106	698	.	2
40	E4	2	-247	250	250	.	1	978	.	65	250	.	1
41	E4	3	-618	622	622	.	1	991	.	95	622	.	1
42	E4	4	-475	479	478	-1	1	989	.	98	478	.	1

QUANTITATION REPORT FILE: CN049B08B12

DATA: CN049B08B12.TI
05/09/85 19:21:00
SAMPLE: 5ML SAMPLE #49808 CASE# GEN.TEST SS OF CC#49803
NDS. :
SUBMITTED BY: 12 ANALYST: 719

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

ND	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENIENE
42	# DB-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	196	9:58	1	1.000	A BV	116507.	50.000 UG/L	8.16
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							
	84	133	6:46	1	0.679	A BB	15600.	5.973 UG/L	0.97
7	43	145	7:22	1	0.740	A BB	3654.	7.249 UG/L	1.18
8	76	164	8:20	1	0.837	A BB	447.	0.061 UG/L	0.01
9	96	187	9:30	1	0.954	A BB	135723.	54.861 UG/L	8.73
10	63	212	10:47	1	1.082	A BB	578.	0.134 UG/L	0.02
11	96	226	11:29	1	1.153	A BB	814.	0.324 UG/L	0.05
12	83	237	12:03	1	1.209	A BB	889.	0.158 UG/L	0.03
13	62	252	12:49	1	1.286	A BB	29767.	8.241 UG/L	1.34
14	114	403	20:29	14	1.000	A BV	471830.	50.000 UG/L	8.16
15	72	250	12:42	14	0.620	A BB	2119.	9.133 UG/L	1.49
16	97	279	14:11	14	0.692	A BB	382.	0.079 UG/L	0.01
17	117	NOT FOUND							
18	43	NOT FOUND							
19	83	NOT FOUND							
20	63	NOT FOUND							
21	75	NOT FOUND							
22	130	340	17:17	14	0.844	A BB	223863.	48.415 UG/L	7.90
23	129	NOT FOUND							
24	97	NOT FOUND							
25	78	351	17:51	14	0.871	A BV	339668.	53.222 UG/L	8.68
26	75	351	17:51	14	0.871	A BB	8713.	1.448 UG/L	0.24
27	63	NOT FOUND							
28	173	407	20:41	14	1.010	A BB	576.	0.131 UG/L	0.02
29	117	505	25:40	29	1.000	A BV	425778.	50.000 UG/L	8.16
30	43	418	21:15	29	0.828	A BB	3363.	1.365 UG/L	0.22
31	43	446	22:40	29	0.883	A BB	4336.	2.703 UG/L	0.44
	164	455	23:88	29	0.901	A BB	695.	0.152 UG/L	0.02
33	83	454	23:05	29	0.899	A BV	2905.	0.703 UG/L	0.11
34	92	482	24:30	29	0.954	A BB	248041.	49.786 UG/L	8.12
35	112	508	25:49	29	1.006	A BV	387406.	47.812 UG/L	7.80
36	106	558	28:22	29	1.105	A BB	1863.	0.432 UG/L	0.07
37	104	663	33:42	29	1.313	A BV	3958.	0.379 UG/L	0.06
38	106	671	34:07	29	1.329	A*BB	3877.	0.665 UG/L	0.11
39	106	698	35:29	29	1.382	A*BB	7055.	1.258 UG/L	0.21
40	65	250	12:42	1	1.276	A BB	206389.	57.180 UG/L	9.33
41	95	622	31:37	29	1.232	A BB	367026.	53.663 UG/L	8.76
42	98	478	24:18	1	2.439	A BB	475528.	57.312 UG/L	9.35

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:49	1.02	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.880	
3	2:45		10.000			50.00		1.474	
4	3:30		10.000			50.00		1.198	
5	4:31		10.000			50.00		0.626	
6	6:40	1.02	5.000	0.14	5.97	50.00	0.134	1.121	0.12
7	7:16	1.01	10.000	0.07	7.25	50.00	0.031	0.216	0.14
8	8:14	1.01	5.000	0.17	0.06	50.00	0.004	3.133	0.00
9	9:24	1.01	5.000	0.19	54.86	50.00	1.165	1.062	1.10
10	10:40	1.01	5.000	0.22	0.13	50.00	0.005	1.852	0.00
11	11:23	1.01	5.000	0.23	0.32	50.00	0.007	1.077	0.01
12	11:54	1.01	5.000	0.24	0.16	50.00	0.008	2.421	0.00
13	12:39	1.01	5.000	0.26	8.24	50.00	0.255	1.550	0.16
	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	9.14	50.00	0.004	0.025	0.10
16	14:02	1.01	5.000	0.14	0.00	50.00	0.001	0.515	0.00
17	14:26		5.000			50.00		0.546	
8	14:29		10.000			50.00		0.417	
19	14:54		5.000			50.00		0.596	
20	16:19		5.000			50.00		0.333	
21	16:34		5.000			50.00		0.234	
22	17:08	1.01	5.000	0.17	48.42	50.00	0.474	0.490	0.97
23	17:44		5.000			50.00		0.541	
24	17:51		5.000			50.00		0.303	
25	17:38	1.01	5.000	0.17	53.22	50.00	0.720	0.676	1.06
26	17:51	1.00	5.000	0.17	1.45	50.00	0.018	0.638	0.03
27	18:58		10.000			50.00		0.190	
28	20:29	1.01	5.000	0.20	0.13	50.00	0.001	0.467	0.00
29	25:28	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.01	10.000	0.00	1.37	50.00	0.008	0.289	0.03
31	22:40	1.00	10.000	0.09	2.70	50.00	0.010	0.188	0.05
32	22:56	1.01	5.000	0.18	0.15	50.00	0.002	0.538	0.00
33	22:52	1.01	5.000	0.18	0.70	50.00	0.007	0.486	0.01
34	24:21	1.01	5.000	0.19	49.79	50.00	0.583	0.585	1.00
35	25:37	1.01	5.000	0.20	47.81	50.00	0.910	0.952	0.96
36	28:07	1.01	5.000	0.22	0.43	50.00	0.004	0.507	0.01
37	33:27	1.01	5.000	0.26	0.38	50.00	0.009	1.226	0.01
38	33:54	1.01	5.000	0.27	0.67	50.00	0.009	0.685	0.01
39	35:17	1.01	5.000	0.28	1.26	100.00	0.008	0.659	0.01
40	12:33	1.01	10.000	0.13	57.18	50.00	1.771	1.549	1.14
41	31:25	1.01	10.000	0.12	53.66	50.00	0.862	0.803	1.07
42	24:09	1.01	10.000	0.24	57.31	50.00	4.082	3.561	1.15

CASE: GEN.TEST DUE DATE: 5/24/85

VOA
GC/MS WORKSHEET COMPUCHEM#: 49808

J[ ] J3[ ] D[ ] (:1)
J2[ ] J4[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---000
Instrument Code---256
Compound List---145
Surrogate Std---294
Internal Std---036

SAS, EPA#: SS 241/314

GC/MS ANALYSIS
Amount Purged: [✓] 5mls or [ ] Dilution____ul/5000ul Sparged
Internal Standard Volume Added___5.0_ul
Surrogate Standard Volume Added___5.0__ul + wall spit
BFB Filename__BF850509A12___Disk(122)
Blank Filename__CC850509A12___Disk (
Standard Filename CS850509B12____Disk ( )
Sample Filename CN049808B12___Disk (122)

ANALYSTS ID Injection 719 Work-up 719

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes OK,JS,SM SL SH JA,DA

Non-Entry Codes IM,IL,IH,SW,CT,CS,RC,RR IF,LA,DI,CO,RN,DN SI,SF UP,SE,OT,VI,FD,SM

Disposition: [X] Complete
[ ] Reinject Neat
[ ] Dilute (:1

Extraneous Peak Search Results:
# of Peaks Found: Ø____

Quality Assurance Notice(s):
Notices Required ____

COMMENTS: SS of 49803

GC/MS Review: SUB Date 5/10/85 Auditor____ Date __/__/__

REPORT INFORMATION Total # of Injections:______
Final Report/QA Package(s):

QA COMMENTS,

Initials______ Date __/__/__

FINAL REVIEW: Initials______ Date __/__/__

5/12/85

Volatile - Medium or Low Level Liquid

	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result(*) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	5.9		6.0 B	5.0
7	252	___	ACETONE (2-PROPANONE)	7.2		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE	54.9		55.0	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE	8.2		8.2	5.0
15	253	___	2-BUTANONE	9.4		BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE	48.4		48.0	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE	53.2		53.0	5.0
26	218	___	CIS-1,3-DICHLOROPROFENE			BDL	5.0
	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE	49.8		50.0	5.0
35	207	___	CHLOROBENZENE	47.8		48.0	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/241	___	O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

..J	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40		D4-1,2-DICHLOROETHANE	57.2	50.0	114.0	77-120	X	
41		BROMOFLUOROBENZENE	53.7	50.0	107.0	85-121	X	
42		DB-TOLUENE	57.3	50.0	115.0	86-117	X	

* Advisory surrogate only
++ % recovery = Quant report value / Quant report amount spiked X 100 %

	P	F
Internal Standard (#1) Bromochloromethane > 10000 Counts	X	

Correction Factor Calculation:

$$\frac{5000 \text{ uL}}{\text{Volume of Sample Purged (uL)}} =$$

$$\frac{5000 \text{ uL}}{5000. \text{ (uL)}} = 1.000$$

Quant Report Amount Spiked Conversion Factor:

The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

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

Sample Number
50705C MS

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: low
Date extracted/prepared: 05-24-85
Date analyzed: 05-25-85
Conc/Dil Factor: 2.00

CAS Number		ug/l		CAS Number		ug/l	
62-75-9	N-Nitrosodimethylamine	20.	U	99-09-2	3-Nitroaniline	100	U
108-95-2	Phenol	20.	U	83-32-9	Acenaphthene	20.	U
62-53-3	Aniline	20.	U	51-28-5	2,4-Dinitrophenol	100	U
111-44-4	bis(2-Chloroethyl) ether	20.	U	100-02-7	4-Nitrophenol	100	U
95-57-8	2-Chlorophenol	20.	U	132-64-9	Dibenzofuran	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U	121-14-2	2,4-Dinitrotoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U	606-20-2	2,6-Dinitrotoluene	20.	U
100-51-6	Benzyl Alcohol	20.	U	84-66-2	Diethylphthalate	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U	7005-72-3	4-Chlorophenyl Phenyl ether	20.	U
95-48-7	2-Methylphenol	20.	U	86-73-7	Fluorene	20.	U
39638-32-9	bis(2-Chloroisopropyl) ether	20.	U	100-01-6	4-Nitroaniline	100	U
106-44-5	4-Methylphenol	20.	U	534-52-1	4,6-Dinitro-2-methylphenol	100	U
621-64-7	N-Nitroso-Dipropylamine	20.	U	86-30-6	N-nitrosodiphenylamine (1)	20.	U
67-72-1	Hexachloroethane	20.	U	101-55-3	4-Bromophenyl Phenyl ether	20.	U
98-95-3	Nitrobenzene	20.	U	118-74-1	Hexachlorobenzene	20.	U
78-59-1	Isophorone	20.	U	87-86-5	Pentachlorophenol	100	U
88-75-5	2-Nitrophenol	20.	U	85-01-8	Phenanthrene	20.	U
105-67-9	2,4-Dimethylphenol	20.	U	120-12-7	Anthracene	20.	U
65-85-0	Benzoic Acid	100	U	84-74-2	Di-n-butylphthalate	20.	U
111-91-1	bis(2-Chloroethoxy) methane	20.	U	206-44-0	Fluoranthene	20.	U
120-83-2	2,4-Dichlorphenol	20.	U	92-87-5	Benzidine	100	U
120-82-1	1,2,4-Trichlorobenzene	20.	U	129-00-0	Pyrene	20.	U
91-20-3	Naphthalene	20.	U	85-68-7	Butyl Benzyl Phthalate	20.	U
106-47-8	4-Chloroaniline	20.	U	91-94-1	3,3'-Dichlorobenzidine	40.	
87-68-3	Hexachlorobutadiene	20.	U	56-55-3	Benzo(a)anthracene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U	117-81-7	bis(2-ethylhexyl)phthalate	20.	U
91-57-6	2-Methylnaphthalene	20.	U	218-01-9	Chrysene	20.	U
77-47-4	Hexachlorocyclopentadiene	20.	U	117-84-0	Di-n-octyl Phthalate	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U	205-99-2	Benzo(b)fluoranthene	20.	U
95-95-4	2,4,5-Trichlorophenol	100	U	207-08-9	Benzo(k)fluoranthene	20.	U
91-58-7	2-Chloronapthalene	20.	U	50-32-8	Benzo(a)pyrene	20.	U
88-74-4	2-Nitroaniline	100	U	193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
131-11-3	Dimethyl Phthalate	20.	U	53-70-3	Dibenz(a,h)anthracene	20.	U
208-96-8	Acenaphthylene	20.	U	191-24-2	Benzo(g,h,i)perylene	20.	U

(1) Cannot be separated from diphenylamine

50705C MB

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	111-46-6	unknown ETHANOL,2,2'-OXYBIS-	SEMI1	468	11.	J
2	95-57-8	PHENOL,2-CHLORO-	SEMI1	483	38.	J
3	36653-82-4	unknown 1-HEXADECANOL	SEMI1	918	14.	J
4	629-74-3	Lgst Multifact 1-HEXADECYNE	SEMI1	985	450.	J
5	3854-92-8	unknown 3-PENTANOL,2,3,4-TRIMETHYL-	SEMI1	1075	10.	J

SA
5/18/87

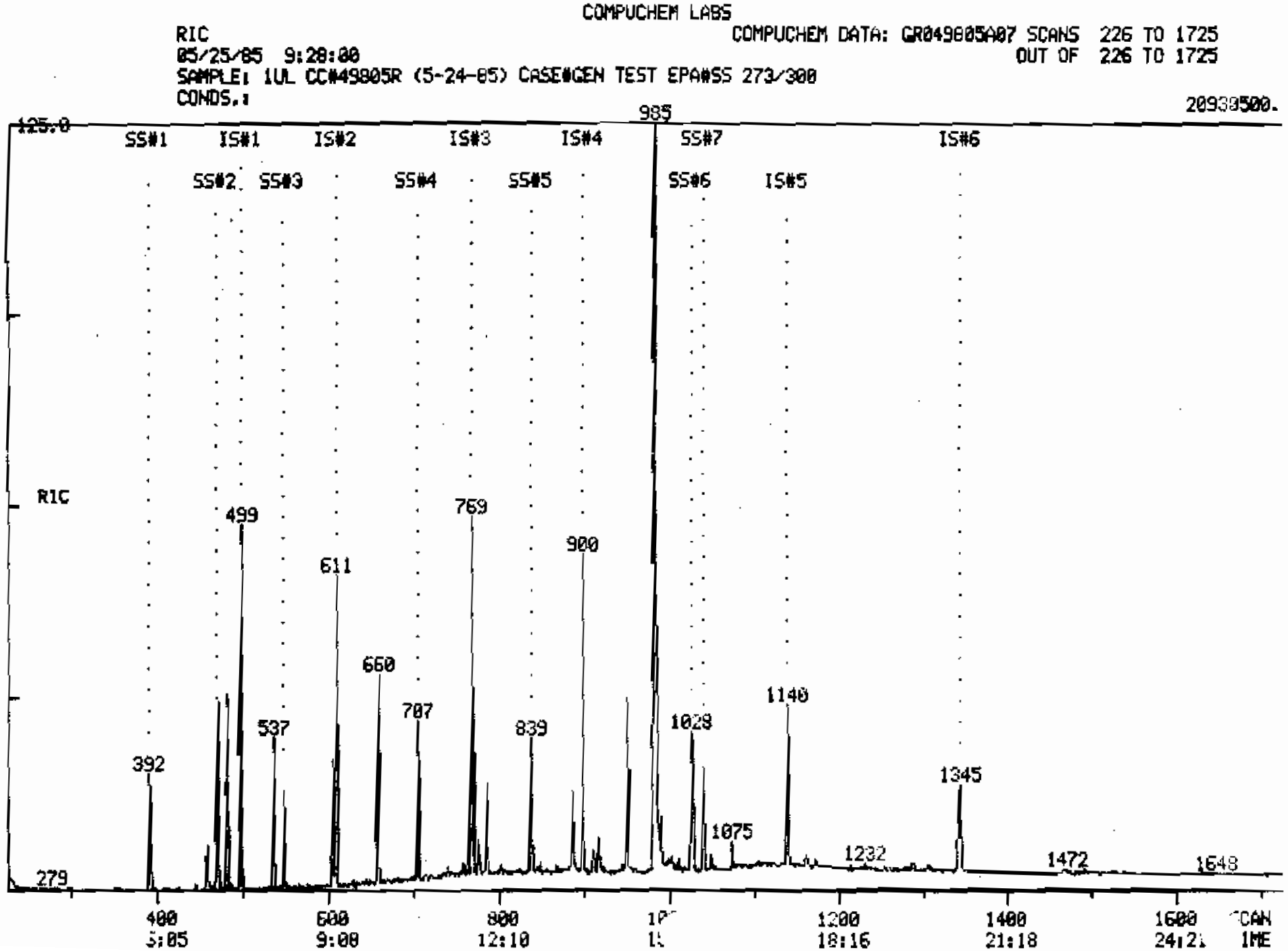
QUALITY ASSURANCE NOTICE
sample # 448or
fraction BL

Peaks on the RIC of this sample at the retention times (scans) listed below were identified as laboratory artifacts. This was concluded from a comparison of tentatively identified compound spectra and retention times found by the Library Search routine of the sample and its associated method blank. These compounds should not be considered actual constituents of this sample fraction.

scans: 98r

JC
5/24/85r

QAN10S
850218


COMPUCHEM LABS
RIC
COMPUCHEM DATA: GR049805A07 SCANS 226 TO 1725
05/25/85 9:28:00
OUT OF 226 TO 1725
SAMPLE: 1UL CC#49805R (5-24-85) CASE#GEN TEST EPA#SS 273/300
CONDS.:
20930500.
985
125.0
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
RIC
499
769
900
611
660
707
1140
537
839
1028
392
1345
1075
1232
1472
1648
279
400
600
800
1200
1400
1600
5:05
9:00
12:10
18:16
21:18
24:21
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 5/25/85 10:53:33
DATA FILE: QR049B05A07
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI181

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
4	4	1	0	33	15	1	118	SEMI181/SEMI1U1
3	3	1	31	28	9	1	47	SEMI182/SEMI1U2

81 COMPOUNDS PROCESSED, 24 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	G1	1	-498	499	499	.	1	966	.	132	499	.	1
2	G3	1	-768	769	769	.	1	993	.	164	769	.	1
3	G2	1	-610	611	611	.	1	989	.	136	611	.	1
4	G7	2	-391	392	392	.	1	910	.	112	392	.	1
5	G1	2	-256	258	.	.	.	.	.	42	.	.	.
6	G1	3	-471	472	.	.	.	.	.	94	472	.	1
7	G1	4	-473	474	.	.	.	.	.	93	472	.	1
8	G1	5	-478	479	.	.	.	.	.	93	.	.	.
9	G1	6	-482	483	.	.	.	.	.	128	483	.	1
10	G1	7	-495	496	500	4	1	932	.	146	500	.	1
11	G1	8	-499	500	500	.	1	938	.	146	500	.	1
12	G1	9	-511	512	.	.	.	.	.	108	.	.	.
13	G1	10	-515	516	.	.	.	.	.	146	.	.	.
14	G1	11	-522	523	.	.	.	.	.	108	.	.	.
15	G1	12	-525	526	.	.	.	.	.	45	526	.	2
16	G1	13	-534	535	.	.	.	.	.	108	.	.	.
17	G1	14	-537	538	537	-1	1	871	.	70	537	.	2
18	G1	15	-543	544	.	.	.	.	.	117	.	.	.
19	G1	16	-550	551	.	.	.	.	.	77	548	.	1
20	G2	2	-570	571	.	.	.	.	.	82	570	.	2
21	G2	3	-578	579	.	.	.	.	.	139	.	.	.
22	G2	4	-581	582	.	.	.	.	.	122	.	.	.
23	G2	5	-589	590	.	.	.	.	.	122	.	.	.
24	G2	6	-589	590	.	.	.	.	.	93	593	.	2
25	G2	7	-598	599	.	.	.	.	.	162	598	.	1
26	G2	8	-606	607	607	.	1	953	.	180	607	.	1
27	G2	9	-612	613	.	.	.	.	.	128	.	.	
28	G2	10	-617	618	.	.	.	.	.	127	.	.	.
29	G2	11	-628	629	.	.	.	.	.	225	.	.	.
30	G2	12	-659	660	660	.	1	909	.	107	660	.	1
31	G2	13	-673	674	.	.	.	.	.	142	.	.	.
32	G3	2	-693	694	.	.	.	.	.	237	.	.	.
33	G3	3	-700	701	.	.	.	.	.	196	.	.	.
34	G3	4	-700	701	.	.	.	.	.	196	.	.	.
35	G3	5	-716	716	.	.	.	.	.	162	.	.	.
36	G3	6	-727	727	.	.	.	.	.	65	724	.	2
37	G3	7	-746	746	.	.	.	.	.	163	746	.	2
38	G3	8	-754	754	.	.	.	.	.	152	756	.	1
39	G3	9	-727	727	.	.	.	.	.	138	.	.	.
40	G3	10	-771	771	771	.	1	967	.	153	771	.	1
41	G3	11	-773	773	.	.	.	.	.	184	.	.	.
42	G3	12	-785	785	.	.	.	.	.	139	782	.	2
43	G3	13	-785	785	.	.	.	.	.	168	.	.	.
44	G3	14	-787	787	787	.	1	919	.	89	787	.	1
45	G3	15	-752	752	.	.	.	.	.	165	753	.	3
46	G3	16	-809	809	.	.	.	.	.	149	808	.	2
47	G3	17	-815	815	.	.	.	.	.	204	.	.	.
48	G3	18	-816	816	.	.	.	.	.	166	.	.	.
										136	819		2

[illegible]												
51	G7	4	-548	549	548	-1	1	956	.	82	548	.
52	G7	5	-707	708	707	-1	1	963	.	172	707	.
53	G7	6	-839	839	839	.	1	920	.	141	839	.
54	G4	1	-900	900	900	.	1	995	.	188	900	.
55	G5	1	-1139	1140	1140	.	1	987	.	240	1140	.
56	G6	1	-1342	1345	1345	.	1	997	.	264	1345	.
7	G4	2	-823	823	.	.	.	.	.	198	.	.
8	G4	3	-826	826	.	.	.	.	.	169	826	.
59	G4	4	-858	858	.	.	.	.	.	248	.	.
60	G4	5	-872	872	.	.	.	.	.	284	.	.
61	G4	6	-887	887	888	1	1	966	.	266	888	.
62	G4	7	-902	902	.	.	.	.	.	178	900	.
63	G4	8	-906	906	.	.	.	.	.	178	907	.
64	G4	9	-952	953	953	.	1	965	.	149	953	.
65	G4	10	-1008	1009	.	.	.	.	.	202	1007	.
66	G5	2	-1018	1019	.	.	.	.	.	184	.	.
67	G5	3	-1029	1030	1030	.	1	991	.	202	1030	.
68	G5	4	-1085	1086	.	.	.	.	.	149	1086	.
69	G5	5	-1133	1134	.	.	.	.	.	252	1131	.
70	G5	6	-1138	1140	.	.	.	.	.	228	1140	.
71	G5	7	-1139	1141	1140	-1	1	863	.	149	1140	.
72	G5	8	-1142	1144	.	.	.	.	.	228	.	.
73	G6	2	-1211	1213	.	.	.	.	.	149	1212	.
74	G6	3	-1281	1283	.	.	.	.	.	252	.	.
75	G6	4	-1281	1283	.	.	.	.	.	252	.	.
76	G6	5	-1333	1335	.	.	.	.	.	252	.	.
77	G6	6	-1585	1589	.	.	.	.	.	276	.	.
78	G6	7	-1590	1594	.	.	.	.	.	278	.	.
79	G6	8	-1659	1663	.	.	.	.	.	276	.	.
80	G7	7	-1040	1041	1041	.	1	962	.	244	1041	.
81	G8	2	-1027	1028	1028	.	1	926	.	212	1028	.

Internal Standard Area Monitor

Method: SEMI1 Filename: 0R049805A07 Date: 05/25/85
Shift Std: HG850525C07 Time: 9:28

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
*** D4-1,4-DICHLOROBENZENE (IS#1)	1528990.	1563640.	-1.	Pass
*** D8-NAPHTHALENE (IS#2)	4289310.	4905690.	-12.	Pass
*** D10-ACENAPHTHENE (IS#3)	2222810.	2473720.	-9.	Pass
*** D10-PHENANTHRENE (IS#4)	3643480.	4007800.	-8.	Pass
*** D12-CHRYSENE (IS#5)	2250780.	2657500.	-14.	Pass
*** D12-PERYLENE (IS#6)	2308310.	2356030.	-1.	Pass

QUANTITATION REPORT FILE: GR049805A07

DATA: GR049805A07.TI
05/25/85 9:28:00
SAMPLE: 1UL CC#49805R (5-24-85) CASE#GEN TEST EPA#SS 273/300
IDS.:
SUBMITTED BY: 07 ANALYST: 644

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	610 PHENOL (G1#3) <108-95-2>
4	473 ANILINE (G1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
6	601 2-CHLOROPHENOL (G1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
9	474 BENZYL ALCOHOL (G1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
11	620 2-METHYLPHENOL (G1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
13	622 4-METHYLPHENOL (G1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
15	436 HEXACHLOROETHANE (G1#15) <67-72-1>
16	440 NITROBENZENE (G1#16) <98-95-3>
17	*** D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (G2#2) <78-59-1>
19	606 2-NITROPHENOL (G2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
21	625 BENZOIC ACID (G2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
25	439 NAPHTHALENE (G2#9) <91-20-3>
26	475 4-CHLOROANILINE (G2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
35	478 2-NITROANILINE (G3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
37	402 ACENAPHTHYLENE (G3#8) <208-96-8>
38	479 3-NITROANILINE (G3#9) <99-09-2>
39	401 ACENAPHTHENE (G3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (G3#11) <51-28-5>
41	607 4-NITROPHENOL (G3#12) <100-02-7>
42	476 DIBENZOFURAN (G3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	*** D12-CHRYSENE (IS#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
75	*** 2-FLUOROPHENOL (SS#1)
76	*** D5-PHENOL (SS#2)
	*** D5-NITROBENZENE (SS#3)
78	*** 2-FLUOROBIPHENYL (SS#4)
79	*** 2,4,6-TRIBROMOPHENOL (SS#5)
80	*** D14-TERPHENYL (SS#6)
81	*** D10 PYRENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	499	7:36	1	1.000	A BB	1528990.	40.000	NG	5.95
2	42	NOT FOUND								
3	94	472	7:11	1	0.946	A BB	1175960.	16.188	NG	2.41
4	93	472	7:11	1	0.946	A BB	28448.	0.436	NG	0.06
5	93	NOT FOUND								
6	128	483	7:21	1	0.968	A BV	1592790.	31.342	NG	4.67
7	146	500	7:37	1	1.002	A BB	964896.	16.032	NG	2.39
8	146	500	7:37	1	1.002	A BB	964896.	15.549	NG	2.31
9	108	NOT FOUND								
10	146	NOT FOUND								
11	108	NOT FOUND								
12	45	526	8:00	1	1.054	A*VB	9216.	0.084	NG	0.01
13	108	NOT FOUND								
14	70	537	8:10	1	1.076	A*BV	764288.	14.925	NG	2.22
15	117	NOT FOUND								
16	77	548	8:20	1	1.098	A BB	6592.	0.095	NG	0.01
17	136	611	9:18	17	1.000	A BV	4289310.	40.000	NG	5.95
18	82	570	8:40	17	0.933	A*VV	7072.	0.067	NG	0.01
	139	NOT FOUND								

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
20	122	NOT FOUND								
21	122	NOT FOUND								
22	93	593	9:01	17	0.971	A*BB	4032.	0.078	NG	0.01
	162	598	9:06	17	0.979	A BB	6976.	0.199	NG	0.03
	180	607	9:14	17	0.993	A BB	693440.	16.769	NG	2.50
25	128	NOT FOUND								
26	127	NOT FOUND								
27	225	NOT FOUND								
28	107	660	10:03	17	1.080	A VV	1243260.	28.966	NG	4.31
29	142	NOT FOUND								
30	164	769	11:42	30	1.000	A BB	2222810.	40.000	NG	5.95
31	237	NOT FOUNO								
32	196	NOT FOUND								
33	196	NOT FOUND								
34	162	NOT FOUND								
35	65	724	11:01	30	0.941	A*VB	4591.	0.140	NG	0.02
36	163	746	11:21	30	0.970	A*VV	12928.	0.157	NG	0.02
37	152	756	11:30	30	0.983	A BB	4768.	0.048	NG	0.01
38	138	NOT FOUND								
39	153	771	11:44	30	1.003	A BV	1302940.	18.717	NG	2.79
40	184	NOT FOUNO								
41	139	782	11:54	30	1.017	A*VV	19232.	0.387	NG	0.06
42	168	NOT FOUND								
43	89	787	11:59	30	1.023	A VV	404672.	15.713	NG	2.34
44	165	753	11:28	30	0.979	A*VV	16004.	0.982	NG	0.15
45	149	808	12:18	30	1.051	A*VV	41840.	0.462	NG	0.07
46	204	NOT FOUND								
47	166	NOT FOUND								
48	138	819	12:28	30	1.065	A*VB	2592.	0.282	NG	0.04
	188	900	13:42	49	1.000	A VV	3643480.	40.000	NG	5.95
	198	NOT FOUND								
51	169	826	12:34	49	0.918	A*BB	6704.	0.156	NG	0.02
52	248	NOT FOUND								
53	284	NOT FOUND								
54	266	888	13:31	49	0.987	A VB	250528.	41.555	NG	6.19
55	178	900	13:42	49	1.000	A*VV	10033.	0.103	NG	0.02
56	178	907	13:48	49	1.008	A*VV	8286.	0.091	NG	0.01
57	149	953	14:30	49	1.059	A VV	2653960.	19.650	NG	2.92
58	202	1007	15:19	49	1.119	A*VV	24512.	0.258	NG	0.04
59	240	1140	17:21	59	1.000	A VV	2250780.	40.000	NG	5.95
60	184	NOT FOUNO								
61	202	1030	15:40	59	0.904	A VV	2120280.	23.278	NG	3.46
62	149	1086	16:32	59	0.953	A*VB	11812.	0.253	NG	0.04
63	252	1131	17:13	59	0.992	A BB	1536.	0.150	NG	0.02
64	228	1140	17:21	59	1.000	A BB	6176.	0.093	NG	0.01
65	149	1140	17:21	59	1.000	A VV	94412.	1.228	NG	0.18
66	228	NOT FOUND								
67	264	1345	20:28	67	1.000	A BV	2308310.	40.000	NG	5.95
68	149	1212	18:27	67	0.901	A BV	16582.	0.131	NG	0.02
69	252	NOT FOUND								
70	252	NOT FOUND								
71	252	NOT FOUND								
72	276	NOT FOUND								
73	278	NOT FOUND								
74	276	NOT FOUND								
	112	392	5:58	1	0.786	A BV	1199640.	22.712	NG	3.38

NO	M/E	BCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	471	7:10	1	0.944	A BV	1075800.	16.160	NG	2.41
77	82	548	8:20	17	0.897	A VV	1047960.	17.450	NG	2.60
78	172	707	10:46	30	0.919	A BB	1602010.	19.994	NG	2.98
?	141	839	12:46	30	1.091	A VV	255942.	41.582	NG	6.19
?	244	1041	15:50	59	0.913	A VV	1514680.	24.512	NG	3.65
81	212	1028	15:39	59	0.902	A VV	1959000.	24.862	NG	3.70

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:54		10.000			50.00		1.764	
3	7:10	1.00	10.000	0.09	16.19	50.00	0.615	1.901	0.32
4	7:12	1.00	10.000	0.09	0.44	50.00	0.015	1.705	0.01
5	7:16		10.000			50.00		1.598	
6	7:20	1.00	10.000	0.10	31.34	50.00	0.833	1.329	0.63
7	7:32	1.01	10.000	0.10	16.03	50.00	0.505	1.574	0.32
8	7:36	1.00	10.000	0.10	15.55	50.00	0.505	1.623	0.31
9	7:47		10.000			50.00		0.768	
10	7:50		10.000			50.00		1.461	
11	7:57		10.000			50.00		1.099	
12	7:59	1.00	10.000	0.11	0.08	50.00	0.005	2.878	0.00
13	8:08		10.000			50.00		1.225	
14	8:10	1.00	10.000	0.11	14.92	50.00	0.400	1.340	0.30
15	8:16		10.000			50.00		0.735	
16	8:22	1.00	10.000	0.11	0.10	50.00	0.003	1.810	0.00
17	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:40	1.00	10.000	0.09	0.07	50.00	0.001	0.981	0.00
19	8:48		10.000			50.00		0.194	
20	8:50		10.000			50.00		0.358	
21	8:58		50.000			50.00		0.165	
?	8:58	1.01	10.000	0.10	0.08	50.00	0.001	0.485	0.00
?	9:06	1.00	10.000	0.10	0.20	50.00	0.001	0.327	0.00
24	9:13	1.00	10.000	0.10	16.77	50.00	0.129	0.386	0.34
25	9:19		10.000			50.00		1.114	
26	9:23		10.000			50.00		0.306	
27	9:33		10.080			50.00		0.222	
28	10:02	1.00	10.000	0.11	28.97	50.00	0.232	0.400	0.58
29	10:14		10.000			50.00		0.688	
30	11:41	1.00	10.000	0.10	40.00	40.00	1.008	1.000	1.00
31	10:33		10.000			50.00		0.305	
32	10:39		10.000			100.00		0.388	
33	10:39		50.000			100.00		0.388	
34	10:54		10.000			50.00		1.271	
35	11:04	1.00	50.000	0.02	0.14	50.00	0.002	0.589	0.00
36	11:21	1.00	10.000	0.10	0.16	50.00	0.005	1.482	0.00
37	11:28	1.00	10.000	0.10	0.05	50.00	0.002	1.775	0.00
38	11:04		50.000			50.00		0.408	
39	11:44	1.00	10.000	0.10	18.72	50.00	0.469	1.253	0.37
40	11:46		50.000			50.00		0.070	
41	11:57	1.00	50.000	0.02	0.39	50.00	0.007	0.895	0.01
42	11:57		10.000			50.00		1.665	
43	11:59	1.00	10.000	0.10	15.71	50.00	0.146	0.463	0.31
44	11:27	1.00	10.000	0.10	0.98	50.00	0.006	0.293	0.02
45	12:19	1.00	10.000	0.11	0.46	50.00	0.015	1.631	0.01
46	12:24		10.000			50.00		0.598	
47	12:25		10.000			50.00		1.313	
?	12:29	1.00	50.000	0.02	0.28	50.00	0.001	0.166	0.01

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:31		50.000			50.00		0.084	
51	12:34	1.00	10.000	0.09	0.16	50.00	0.001	0.476	0.00
2	13:03		10.000			50.00		0.212	
3	13:16		10.000			50.00		0.297	
54	13:30	1.00	50.000	0.02	41.55	50.00	0.055	0.066	0.83
55	13:44	1.00	10.000	0.10	0.10	50.00	0.002	1.069	0.00
56	13:47	1.00	10.000	0.10	0.09	50.00	0.002	0.999	0.00
57	14:29	1.00	10.000	0.11	19.65	50.00	0.583	1.483	0.39
58	15:20	1.00	10.000	0.11	0.26	50.00	0.005	1.042	0.01
59	17:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:29		50.000			50.00		0.006	
61	15:40	1.00	10.000	0.09	23.28	50.00	0.754	1.619	0.47
62	16:31	1.00	10.000	0.10	0.25	50.00	0.004	0.830	0.01
63	17:14	1.00	20.000	0.05	0.15	50.00	0.001	0.182	0.00
64	17:19	1.00	10.000	0.10	0.09	50.00	0.002	1.183	0.00
65	17:20	1.00	10.000	0.10	1.23	50.00	0.034	1.367	0.02
66	17:23		10.000			50.00		1.084	
67	20:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:26	1.00	10.000	0.09	0.13	50.00	0.006	2.193	0.00
69	19:30		10.000			100.00		1.126	
70	19:30		10.000			100.00		1.126	
71	20:17		10.000			50.00		1.029	
72	24:07		10.000			50.00		1.190	
73	24:12		10.000			50.00		0.979	
74	25:15		10.000			50.00		0.961	
75	5:57	1.00	0.742	1.06	22.71	50.00	0.628	1.382	0.45
76	7:09	1.00	0.948	1.00	16.16	50.00	0.563	1.742	0.32
77	8:20	1.00	0.875	1.03	17.45	50.00	0.195	0.560	0.35
3	10:46	1.00	0.906	1.01	19.99	50.00	0.577	1.442	0.40
9	12:46	1.00	1.118	0.98	41.58	50.00	0.092	0.111	0.83
80	15:50	1.00	0.907	1.01	24.51	50.00	0.538	1.098	0.49
81	15:38	1.00	0.906	1.00	24.86	50.00	0.696	1.400	0.50

CASE#: GEN TEST DUE DATE: 5/24

...II-VOLATILE
GC/MS WORKSHEET COMPUCHEM#: 49805R

J( ) R(X) D( ) (:1)

J2( ) R2( ) D2( ) (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---056
Instrument Code---254
Compound List---142
Surrogate Std---392
Internal Std---035 (added by GC/MS)

SAS: EPA#: 33 243/300

GC/MS ANALYSIS
Volumes mixed: BN 100 ul Acid 100 ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 10 ul
Date of Sample Bottle Analyzed 5/24/85
DFTFP Filename DF850525C07 Disk (78)
Standard Filename MS850525C07 Disk (78)
Sample Filename GL049805A07 Disk (78)

ANALYST(S): Injection 644 Work-up

GC/MS REVIEW

CONDITION CODE: FH

Entry Codes OK,EA,JA, ES,AL,AN,PL,PH,FL,JS
FH,NL,HH,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IN,SW,CT,CS,PC,OT,NS
ED,IF,LA,DI,CO,RH,DW,DA

Disposition: [X] Complete

Extraneous Peak Search Results:
# of Peaks Found: 4

Needs Dilute

[ ] Reinjection required

[ ] Reextraction required

Quality Assurance Notice(s):
Notices Required 1

[ ] Dilute (:1)

COMMENTS:

[ ] Reinject Heat

[ ] Send to QA

GC/MS Review SH Date 5/25/85 Auditor Date / /

REPORT INTEGRATION Total # of Injections: 2
Final Reportable Package(s): CR /

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

ENTERED EA 5/28/85

5/28/85

EPAWATER (11/84)

Semi-Volatile - Liquid

	CC ID#	Lab Cd#	Compound Name	Quant Report Value	X	Result(#) (ug/l)	Detection Limit (ug/l)
2	441	___	N-NITROSODIMETHYLAMINE (G1#2) <62-			BDL	20.0
3	610	___	PHENOL (G1#3) <108-95-2>	16.2		32.0	20.0
4	473	___	ANILINE (G1#4) <62-53-3>			BDL	20.0
5	411	___	BIS(2-CHLOROETHYL)ETHER (G1#5) <11			BDL	20.0
6	601	___	2-CHLOROPHENOL (G1#6) <95-57-8>	31.3		63.0	20.0
7	421	___	1,3-DICHLOROBENZENE (G1#7) <541-73	~~16.8~~		~~33.0~~ BDL	20.0
8	422	___	1,4-DICHLOROBENZENE (G1#8) <106-46	15.5		31.0	20.0
9	474	___	BENZYL ALCOHOL (G1#9) <100-51-6>			BDL	20.0
10	420	___	1,2-DICHLOROBENZENE (G1#10) <95-50			BDL	20.0
11	620	___	2-METHYLPHENOL (G1#11) <95-48-7>			BDL	20.0
12	412	___	BIS(2-CHLOROISOPROPYL)ETHER (G1#12			BDL	20.0
13	622	___	4-METHYLPHENOL (G1#13) <106-44-5>			BDL	20.0
14	442	___	N-NITROSO-DI-N-PROPYLAMINE (G1#14)	14.9		30.0	20.0
15	436	___	HEXACHLOROETHANE (G1#15) <67-72-1>			BDL	20.0
16	440	___	NITROBENZENE (G1#16) <98-95-3>			BDL	20.0
18	438	___	ISOPHORONE (G2#2) <78-59-1>			BDL	20.0
19	606	___	2-NITROPHENOL (G2#3) <88-75-5>			BDL	20.0
20	603	___	2,4-DIMETHYLPHENOL (G2#4) <105-67-			BDL	20.0
21	625	___	BENZOIC ACID (G2#5) <65-85-0>			BDL	100.0
22	410	___	BIS(2-CHLOROETHOXY)METHANE (G2#6)			BDL	20.0
23	602	___	2,4-DICHLOROPHENOL (G2#7) <120-83-			BDL	20.0
24	446	___	1,2,4-TRICHLOROBENZENE (G2#8) <120	16.8		34.0	20.0
25	439	___	NAPHTHALENE (G2#9) <91-20-3>			BDL	20.0
26	475	___	4-CHLOROANILINE (G2#10) <106-47-8>			BDL	20.0
	434	___	HEXACHLOROBUTADIENE (G2#11) <87-68			BDL	20.0
	608	___	P-CHLORO-M-CRESOL (G2#12) <59-50-7	29.0		58.0	20.0
29	477	___	2-METHYLNAPHTHALENE (G2#13) <91-57			BDL	20.0
31	435	___	HEXACHLOROCYCLOPENTADIENE (G3#2) <			BDL	20.0
32	611	___	2,4,6-TRICHLOROPHENOL (G3#3) <88-0			BDL	20.0
33	626	___	2,4,5-TRICHLOROPHENOL (G3#4) <95-9			BDL	100.0
34	416	___	2-CHLORONAPHTHALENE (G3#5) <91-58-			BDL	20.0
35	478	___	2-NITROANILINE (G3#6) <88-74-4>			BDL	100.0
36	425	___	DIMETHYL PHTHALATE (G3#7) <131-11-			BDL	20.0
37	402	___	ACENAPHTHYLENE (G3#8) <208-96-8>			BDL	20.0
38	479	___	3-NITROANILINE (G3#9) <99-09-2>			BDL	100.0
39	401	___	ACENAPHTHENE (G3#10) <83-32-9>	18.7		37.0	20.0
40	605	___	2,4-DINITROPHENOL (G3#11) <51-28-5			BDL	100.0
41	607	___	4-NITROPHENOL (G3#12) <100-02-7>			BDL	100.0
42	476	___	DIBENZOFURAN (G3#13) <132-64-9>			BDL	20.0
43	427	___	2,4-DINITROTOLUENE (G3#14) <121-14	15.7		31.0	20.0
44	428	___	2,6-DINITROTOLUENE (G3#15) <606-20			BDL	20.0
45	424	___	DIETHYL PHTHALATE (G3#16) <84-66-2			BDL	20.0
46	417	___	4-CHLOROPHENYL PHENYL ETHER (G3#17			BDL	20.0
47	432	___	FLUORENE (G3#18) <86-73-7>			BDL	20.0
48	480	___	4-NITROANILINE (G3#19) <100-01-6>			BDL	100.0
50	604	___	4,6-DINITRO-2-METHYLPHENOL (G4#2)			BDL	100.0
51	443	___	N-NITROSODIPHENYLAMINE (G4#3) <86-			BDL	20.0
52	414	___	4-BROMOPHENYL PHENYL ETHER (G4#4)			BDL	20.0
53	433	___	HEXACHLOROBENZENE (G4#5) <118-74-1			BDL	20.0
54	609	___	PENTACHLOROPHENOL (G4#6) <87-86-5>	41.6		J	100.0
	444	___	PHENANTHRENE (G4#7) <85-01-8>			BDL	20.0
56	403	___	ANTHRACENE (G4#8) <120-12-7>			BDL	20.0
57	426	___	DI-N-BUTYL PHTHALATE (G4#9) <84-74	19.6		39.0	20.0
58	431	___	FLUORANTHENE (G4#10) <206-44-0>			BDL	20.0

	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/l)	Detection Limit (ug/l)
60	404	___	BENZIDINE (Q5#2) <92-87-5>			BDL	100.0
61	445	___	PYRENE (Q5#3) <129-00-0>	23.3		47.0	20.0
62	415	___	BUTYLBENZYL PHTHALATE (Q5#4) <85-6			BDL	20.0
63	423	___	3,3'-DICHLOROBENZIDINE (Q5#5) <91-			BDL	40.0
64	405	___	BENZO(A)ANTHRACENE (Q5#6) <56-55-3			BDL	20.0
65	413	___	BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7)			BDL	20.0
66	418	___	CHRYSENE (Q5#8) <218-01-9>			BDL	20.0
68	429	___	DI-N-OCTYL PHTHALATE (Q6#2) <117-8			BDL	20.0
69	407	___	BENZO(B)FLUORANTHENE (Q6#3) <205-9			BDL	20.0
70	409	___	BENZO(K)FLUORANTHENE (Q6#4) <207-0			BDL	20.0
71	406	___	BENZO(A)PYRENE (Q6#5) <50-32-8>			BDL	20.0
72	437	___	INDENO(1,2,3-C,D)PYRENE (Q6#6) <19			BDL	20.0
73	419	___	DIBENZO(A,H)ANTHRACENE (Q6#7) <53-			BDL	20.0
74	408	___	BENZO(G,H,I)PERYLENE (Q6#8) <191-2			BDL	20.0

Semi-Volatile - Liquid

	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
75	**	2-FLUOROPHENOL (SS#1)	22.7	100.0	~~28.0~~ 46	23-121	X	
76	**	D5-PHENOL (SS#2)	16.2	100.0	~~16.0~~ 32	15-103	X	
77	**	D5-NITROBENZENE (SS#3)	17.4	50.0	~~35.0~~ 70	41-120	X	X
78	**	2-FLUOROBIPHENYL (SS#4)	20.0	50.0	~~40.0~~ 80	44-119	X	X
79	**	2,4,6-TRIBROMOPHENOL (SS#5)	41.6	100.0	~~42.0~~ 84	10-130	X	
80	**	D14-TERPHENYL (SS#6)	24.5	50.0	~~49.0~~ 98	33-125	X	
81	**	D10 PYRENE	24.9	50.0	~~50.0~~ 100	33-128*	X	

* Advisory surrogate only

++ % recovery = Guant report value / Guant report amount spiked X 100 %

P F

Internal Standard (#52) D10-Phenanthrene > 40000 Cnts ___ ___

Correction Factor Calculation:

$$\frac{\text{Final Extract Volume (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{\text{1000 ml}}{\text{Vol Sample Extracted (ml)}} \times \text{Dilution Factor} \times 2 =$$

$$\frac{0.5\text{ml}}{1.0\text{ml \& } 1.0\text{ml}} \times \frac{1000.\text{ml}}{500.\text{ml}} \times \frac{1.0}{} \times 2 = 2.000$$

Quant Report amount spiked conversion factor:

$$\frac{\text{500 ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \text{GCMS Dilution Factor} \times$$

$$\frac{500\text{ ul}}{500\text{ ul}} \times \frac{0.5\text{ml}}{1.0\text{ml \& } 1.0\text{ml}} \times \frac{1.0}{} \times 2 = \sim\!\!\sim\ 1.000$$

EXTRACTION WORKSHEET

Semi-Volatiles/Miscellaneous

ASSIGNED TO: Debrunk

DATE ASSIGNED 5/24/85

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
49806N	-SG	GenTest		SS	49813	500 ml		0.5 ml	0.5 ml		13	1	5/24	Spike 49803 out / 49811, 12, 13, 14, 49816
49805N	-			SS		500 ml		0.5 ml	0.5 ml		13	1	5/24	Spiked 25 ml surrogate & dilute to 500 ml w/ DI. H2O to 30 ml
49811 N			NA			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
49812 N		↓	NA			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
50168N		4236	BB245			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
50173N			BB246			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
50180N		↓	BB249			1000 ml		1.0 ml	1.0 ml		13	1	5/24	
51625				SS		1000 ml		1.0 ml	1.0 ml		13	1	5/24	
51626	↓			BS		1000 ml		1.0 ml	1.0 ml		13	1	5/24	

		S-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	393					
	AMT.	0.5ml					
	LOT	14693					
SPIKE	NO.		2012	2621			
	AMT.		0.25ml	0.25ml			
	LOT		14655	14687			

MANUAL COUNTER 272/463

FINAL VOLUME VERIFIED OK

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY TD 5/24/85

Issued 5/24/85 TD

№ 6218

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

Sample Number
50705A MSD

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CM049B09B12
Sample matrix: liquid
Data Release Authorized By: _____

Case: GEN TEST
QC Report No: 291134
Contract No:
Date Sample Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 5-9-85
Date analyzed: 5-9-85
Conc/Dil Factor: 1.00
Percent moisture: N/A
Percent moisture (decanted):
pH:

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	7.6		79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	7.1	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	6.1		127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

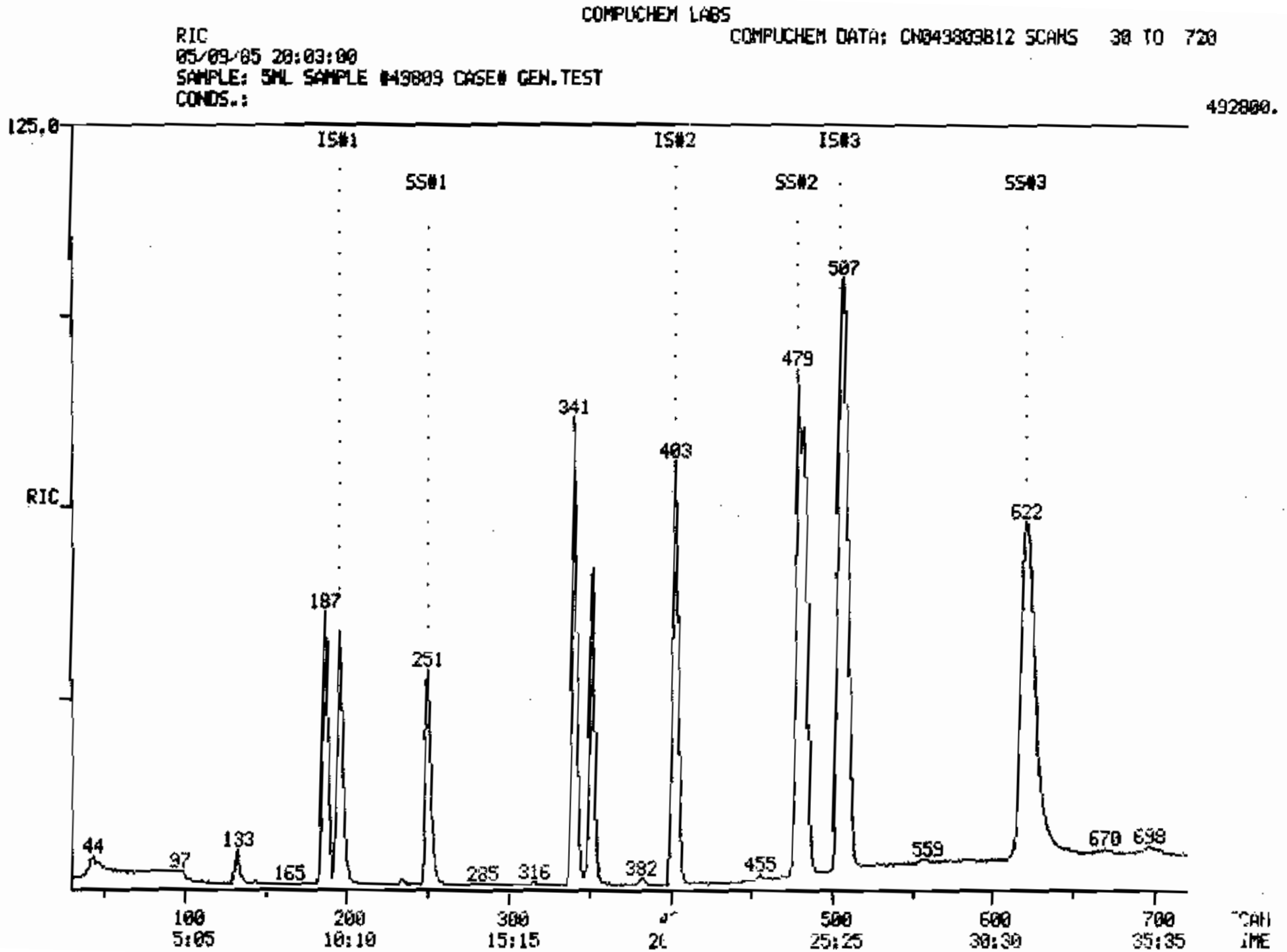
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
507705A MSD

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.		None			
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: CN043003B12 SCANS 30 TO 720
05/09/05 20:03:00
SAMPLE: SML SAMPLE #43003 CASE# GEN.TEST
CONDS.:
492800.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
507
479
341
403
187
251
622
RIC
44
97
133
165
285
316
382
455
559
670
698
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35
SCAN
TIME

Internal Standard Area Monitor

Method: E237 Filename: CN049B09B12 Date: 05/09/85
Shift Std: CS850509B12 Time: 20:03

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
* BROMOCHLOROMETHANE (IS)	114001.	133437.	-15.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	457190.	512684.	-7.	Pass
* D5 CHLOROBENZENE(INTERNAL STANDARD)	412023.	467379.	-11.	Pass

PROCEDURE: RK DIAGNOSTIC REPORT 5/09/85 20:50:42
DATA FILE: .CN049809812
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

---- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	27	42	12	1	70	E237S/E237U

42 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND ><			---------- SEARCH ----------					>< SAT ><		------ CHRO ------ >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-193	196	196	.	1	950	.	128	196	.	1
2	E2	1	-399	403	403	.	1	995	.	114	403	.	1
3	E3	1	-501	505	505	.	1	975	.	117	505	.	1
4	E1	2	-34	36	.	.	.	.	.	50	.	.	.
5	E1	3	-54	56	.	.	.	.	.	94	.	.	.
6	E1	4	-69	72	.	.	.	.	.	62	.	.	.
7	E1	5	-89	92	.	.	.	.	.	64	.	.	.
8	E1	6	-131	134	133	-1	1	979	.	84	133	.	1
9	E1	7	-143	146	.	.	.	.	.	43	144	.	1
10	E1	8	-162	165	.	.	.	.	.	76	.	.	.
11	E1	9	-185	188	187	-1	1	984	.	96	187	.	1
12	E1	10	-210	213	.	.	.	.	.	63	.	.	.
13	E1	11	-224	227	.	.	.	.	.	96	227	.	2
14	E1	12	-234	237	.	.	.	.	.	83	238	.	1
15	E1	13	-249	252	.	.	.	.	.	62	253	.	1
16	E2	2	-247	250	.	.	.	.	.	72	250	.	1
17	E2	3	-276	279	.	.	.	.	.	97	.	.	.
18	E2	4	-284	287	.	.	.	.	.	117	.	.	.
19	E2	5	-285	288	.	.	.	.	.	43	.	.	.
20	E2	6	-293	296	.	.	.	.	.	83	.	.	.
21	E2	7	-321	324	.	.	.	.	.	63	.	.	.
22	E2	8	-326	330	.	.	.	.	.	75	.	.	.
23	E2	9	-337	341	341	.	1	970	.	130	341	.	1
24	E2	10	-349	353	.	.	.	.	.	129	.	.	.
25	E2	11	-351	355	.	.	.	.	.	97	355	.	1
26	E2	12	-347	351	352	1	1	994	.	78	352	.	
27	E2	13	-351	355	.	.	.	.	.	75	352	.	
28	E2	14	-373	377	.	.	.	.	.	63	.	.	
29	E2	15	-403	407	.	.	.	.	.	173	408	.	
30	E3	2	-414	418	.	.	.	.	.	43	419	.	.
31	E3	3	-446	450	.	.	.	.	.	43	.	.	.
32	E3	4	-451	455	.	.	.	.	.	164	.	.	.
33	E3	5	-450	454	.	.	.	.	.	83	454	.	1
34	E3	6	-479	483	483	.	1	982	.	92	483	.	1
35	E3	7	-504	508	508	.	1	985	.	112	505	.	1
36	E3	8	-553	557	.	.	.	.	.	106	557	.	3
37	E3	9	-658	663	.	.	.	.	.	104	664	.	2
38	E3	10	-667	672	.	.	.	.	.	106	672	.	2
39	E3	11	-694	699	.	.	.	.	.	106	698	.	2
40	E4	2	-247	250	251	1	1	978	.	65	251	.	1
41	E4	3	-618	623	622	-1	1	989	.	95	622	.	1
42	E4	4	-475	479	479	.	1	989	.	98	479	.	1

QUANTITATION REPORT FILE: CN049809812

DATA: CN049809812.TI
05/09/85 20:03:00
SAMPLE: 5ML SAMPLE #49809 CASE# GEN.TEST
  NDS.:
  SMITTED BY: 12 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETMANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLORDETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLDROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUORDBENZENE
42	# D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	196	9:58	1	1.000	A BV	114002.	50.000 UG/L	8.23
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	133	6:46	1	0.679	A BB	19606.	T.672 UG/L	1.26
T	43	144	7:19	1	0.735	A BB	3530.	7.157 UG/L	1.18
8	T6	NOT FOUND							
9	96	187	9:30	1	0.954	A BV	132308.	54.656 UG/L	8.99
10	63	NOT FOUND							
11	96	227	11:32	1	1.158	A*BB	425.	0.173 UG/L	0.03
12	83	238	12:06	1	1.214	A BB	1044.	0.189 UG/L	0.03
13	62	253	12:52	1	1.291	A BB	28904.	8.178 UG/L	1.35
14	114	403	20:29	14	1.000	A BV	459181.	50.000 UG/L	8.23
15	72	250	12:42	14	0.620	A BB	2136.	9.462 UG/L	1.56
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	341	17:20	14	0.846	A BV	221271.	49.173 UG/L	8.89
23	129	NOT FOUND							
24	97	355	18:03	14	0.881	A VB	598.	0.215 UG/L	0.04
25	78	352	17:54	14	0.873	A BB	333691.	53.726 UG/L	8.84
26	75	352	17:54	14	0.873	A BB	8368.	1.429 UG/L	0.24
27	63	NOT FOUND							
28	173	408	20:44	14	1.012	A*BB	370.	0.086 UG/L	0.01
29	117	505	25:40	29	1.000	A BB	412524.	50.000 UG/L	8.23
30	43	419	21:18	29	0.830	A*BB	1953.	0.819 UG/L	0.13
31	43	NOT FOUND							
2	164	NOT FOUND							
33	83	454	23:05	29	0.899	A BB	2010.	0.502 UG/L	0.08
34	92	483	24:33	29	0.956	A BB	247433.	51.260 UG/L	8.43
35	112	508	25:49	29	1.006	A BB	377376.	48.070 UG/L	7.91
36	106	557	28:19	29	1.103	A*BB	1132.	0.271 UG/L	0.04
37	104	664	33:45	29	1.315	A*BB	3953.	0.391 UG/L	0.06
38	106	672	34:10	29	1.331	A*BB	2926.	0.518 UG/L	0.09
39	106	698	35:29	29	1.382	A*BB	6065.	1.116 UG/L	0.18
40	65	251	12:46	1	1.281	A BV	195222.	55.274 UG/L	9.09
41	95	622	31:37	29	1.232	A BB	347906.	52.502 UG/L	8.64
42	98	479	24:21	1	2.444	A BV	446503.	54.997 UG/L	9.05

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:49	1.02	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.880	
3	2:45		10.000			50.00		1.474	
4	3:30		10.000			50.00		1.198	
5	4:31		10.000			50.00		0.626	
6	6:40	1.02	5.000	0.14	7.67	50.00	0.172	1.121	0.15
7	7:16	1.01	10.000	0.07	7.16	50.00	0.031	0.216	0.14
8	8:14		5.000			50.00		3.133	
9	9:24	1.01	5.000	0.19	54.66	50.00	1.161	1.062	1.09
10	10:40		5.000			50.00		1.852	
11	11:23	1.01	5.000	0.23	0.17	50.00	0.004	1.077	0.00
12	11:54	1.02	5.000	0.24	0.19	50.00	0.009	2.421	0.00
13	12:39	1.02	5.000	0.26	8.18	50.00	0.254	1.550	0.16
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	9.46	50.00	0.005	0.025	0.19
16	14:02		5.000			50.00		0.515	
17	14:26		5.000			50.00		0.546	
18	14:29		10.000			50.00		0.417	
19	14:54		5.000			50.00		0.596	
20	16:19		5.000			50.00		0.335	
21	16:34		5.000			50.00		0.234	
22	17:08	1.01	5.000	0.17	49.17	50.00	0.482	0.490	0.98
23	17:44		5.000			50.00		0.541	
24	17:51	1.01	5.000	0.18	0.21	50.00	0.001	0.303	0.00
25	17:38	1.01	5.000	0.17	53.73	50.00	0.727	0.676	1.07
26	17:51	1.00	5.000	0.17	1.43	50.00	0.018	0.638	0.03
27	18:58		10.000			50.00		0.190	
28	20:29	1.01	5.000	0.20	0.09	50.00	0.001	0.467	0.00
29	25:28	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.01	10.000	0.08	0.82	50.00	0.005	0.289	0.02
31	22:40		10.000			50.00		0.188	
32	22:56		5.000			50.00		0.538	
33	22:52	1.01	5.000	0.18	0.50	50.00	0.005	0.486	0.01
34	24:21	1.01	6.000	0.19	51.26	50.00	0.600	0.585	1.03
35	25:37	1.01	5.000	0.20	48.07	50.00	0.915	0.952	0.96
36	28:07	1.01	5.000	0.22	0.27	50.00	0.003	0.507	0.01
37	33:27	1.01	5.000	0.26	0.39	50.00	0.010	1.226	0.01
38	33:54	1.01	5.000	0.27	0.52	50.00	0.007	0.685	0.01
39	35:17	1.01	5.000	0.28	1.12	100.00	0.007	0.639	0.01
40	12:33	1.02	10.000	0.13	55.27	50.00	1.T12	1.549	1.11
41	31:25	1.01	10.000	0.12	52.50	50.00	0.843	0.803	1.05
42	24:09	1.01	10.000	0.24	55.00	50.00	3.917	3.561	1.10

CASE#:GEN.TEST DUE DATE: 5/24/85

VOA J1[ ] J3[ ] D1[ ] (:1)
GC/MS WORKSHEET COMPUCHEM#: 49809 J2[ ] J4[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---000
Instrument Code---256
Compound List---145
Surrogate Std---394
Internal Std---036

SAS: EPA#: SS 291/314

GC/MS ANALYSIS

Amount Purged: [✓] 5mls or [ ] Dilution_____ul/5000ul Sparged
Internal Standard Volume Added 5.0 ul
Surrogate Standard Volume Added 5.0 ul
BFB Filename BF85050902.A12 Disk(b2)
Blank Filename CC85DS09.A12 Disk ( )
Standard Filename CS85DS09B10 Disk (b)
Sample Filename CN049809B12 Disk (D2)

ANALYST(S): Injection 7/9 Work-up 7/9

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes OK,JS,SK SL,SH,JA,DA

Non-Entry Codes IN,IL,IH,SW,CT,CS,PC,NR
IF,LP,DI,CC,RN,SW,SI,SF
UP,BE,UT,VC,FC,SM

Disposition: [X] Complete
[ ] Reinject Neat
[ ] Dilute (:1)

Surrogate Fail Search Results:
# of Fails Found: 0

Quality Assurance Notice(s):
Notices Required

COMMENTS: Spike of 49803

GC/MS Review SWB Date 5/10/85 Auditor Date / /

REPORT INFORMATION Total # of Injections:
Final Reportable Package(s):

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

5/12/85

Volatile — Medium or Low Level Liquid

	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result(#) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	T.6		T.T B	5.0
7	252	___	ACETONE (2-PROPANONE)	T.1		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE	54.6		55.0	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE	8.1		8.2	5.0
15	253	___	2-BUTANONE	~~9.9~~		BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE	49.2		49.0	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE	33.7		34.0	5.0
26	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE	51.2		51.0	5.0
35	207	___	CHLOROBENZENE	48.1		48.0	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/241	___	O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40	D4-1,2-DICHLOROETHANE	55.3	50.0	110.0	77-120	X	
41	BROMOFLUOROBENZENE	52.5	50.0	105.0	85-121	X	
42	D8-TOLUENE	55.0	50.0	110.0	86-119	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:

$$\frac{5000 \text{ UL}}{\text{Volume of Sample Purged (UL)}} =$$

$$\frac{5000 \text{ UL}}{5000. \text{ (UL)}} = 1.000$$

ant Report amount spiked conversion factor:

The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

ironmental Protection Agency, CLP Sample Management Office
.O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
50705C

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: low
Date extracted/prepared: 05-24-85
Date analyzed: 05-25-85
Conc/Dil Factor: 2.00

CAS Number		ug/l		CAS Number		ug/l	
62-75-9	N-Nitrosodimethylamine	20.	U	99-09-2	3-Nitroaniline	100	U
108-95-2	Phenol	20.	U	83-32-9	Acenaphthene	20.	U
62-53-3	Aniline	20.	U	51-28-5	2,4-Dinitrophenol	100	U
111-44-4	bis(2-Chloroethyl) ether	20.	U	100-02-7	4-Nitrophenol	100	U
95-57-8	2-Chlorophenol	20.	U	132-64-9	Dibenzofuran	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U	121-14-2	2,4-Dinitrotoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U	606-20-2	2,6-Dinitrotoluene	20.	U
100-51-6	Benzyl Alcohol	20.	U	84-66-2	Diethylphthalate	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U	7005-72-3	4-Chlorophenyl Phenyl ether	20.	U
95-48-7	2-Methylphenol	20.	U	86-73-7	Fluorene	20.	U
39638-32-9	bis(2-Chloroisopropyl) ether	20.	U	100-01-6	4-Nitroaniline	100	U
106-44-5	4-Methylphenol	20.	U	534-52-1	4,6-Dinitro-2-methylphenol	100	U
621-64-7	N-Nitroso-Dipropylamine	20.	U	86-30-6	N-nitrosodiphenylamine (1)	20.	U
67-72-1	Hexachloroethane	20.	U	101-55-3	4-Bromophenyl Phenyl ether	20.	U
98-95-3	Nitrobenzene	20.	U	118-74-1	Hexachlorobenzene	20.	U
78-59-1	Isophorone	20.	U	87-86-5	Pentachlorophenol	100	U
88-75-5	2-Nitrophenol	20.	U	85-01-8	Phenanthrene	20.	U
105-67-9	2,4-Dimethylphenol	20.	U	120-12-7	Anthracene	20.	U
65-85-0	Benzoic Acid	100	U	84-74-2	Di-n-butylphthalate	20.	U
111-91-1	bis(2-Chloroethoxy) methane	20.	U	206-44-0	Fluoranthene	20.	U
120-83-2	2,4-Dichlorphenol	20.	U	92-87-5	Benzidine	100	U
120-82-1	1,2,4-Trichlorobenzene	20.	U	129-00-0	Pyrene	20.	U
91-20-3	Naphthalene	20.	U	85-68-7	Butyl Benzyl Phthalate	20.	U
106-47-8	4-Chloroaniline	20.	U	91-94-1	3,3'-Dichlorobenzidine	40.	U
87-68-3	Hexachlorobutadiene	20.	U	56-55-3	Benzo(a)anthracene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U	117-81-7	bis(2-ethylhexyl)phthalate	20.	U
91-57-6	2-Methylnaphthalene	20.	U	218-01-9	Chrysene	20.	U
77-47-4	Hexachlorocyclopentadiene	20.	U	117-84-0	Di-n-octyl Phthalate	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U	205-99-2	Benzo(b)fluoranthene	20.	U
95-95-4	2,4,5-Trichlorophenol	100	U	207-08-9	Benzo(k)fluoranthene	20.	U
91-58-7	2-Chloronapthalene	20.	U	50-32-8	Benzo(a)pyrene	20.	U
88-74-4	2-Nitroaniline	100	U	193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
131-11-3	Dimethyl Phthalate	20.	U	53-70-3	Dibenz(a,h)anthracene	20.	U
208-96-8	Acenaphthylene	20.	U	191-24-2	Benzo(g,h,i)perylene	20.	U

(1) Cannot be separated from diphenylamine

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	111-46-6	unknown ETHANOL,2,2'-OXYBIS-	SEMI1	460	30.	J
2	95-57-8	PHENOL,2-CHLORO-	SEMI1	483	38.	J
3	629-74-3	unknown 1-HEXADECYNE	SEMI1	913	23.	J
4	1454-85-9	unknown 1-HEPTADECANOL	SEMI1	919	30.	J
5	629-74-3	Lab Artifact 1-HEXADECYNE	SEMI1	985	690.	J
6	629-74-3	unknown lab artifact 1-HEXADECYNE	SEMI1	1005	11.	J
7	2463-02-7	unknown 11,14-EICOSADIENOICACID,METHYLESTER	SEMI1	1012	8.	J
8	5353-25-3	unknown ETHANOL,2-(9-OCTADECENYLOXY)-,(Z)-	SEMI1	1051	29.	J
9	23436-19-3	unknown 2-PROPANOL,1-(2-METHYLPROPOXY)-	SEMI1	1076	23.	J
10	23436-19-3	unknown 2-PROPANOL,1-(2-METHYLPROPOXY)-	SEMI1	1163	14.	J
11	112-60-7	unknown ETHANOL,2,2'-[OXYBIS(2,1-ETHANEDIYLOXY)]BIS-	SEMI1	1174	14.	J
12	23436-19-3	unknown 2-PROPANOL,1-(2-METHYLPROPOXY)-	SEMI1	1290	10.	J
13	112-60-7	unknown ETHANOL,2,2'-[OXYBIS(2,1-ETHANEDIYLOXY)]BIS-	SEMI1	1309	21.	J

S-
5/18/11

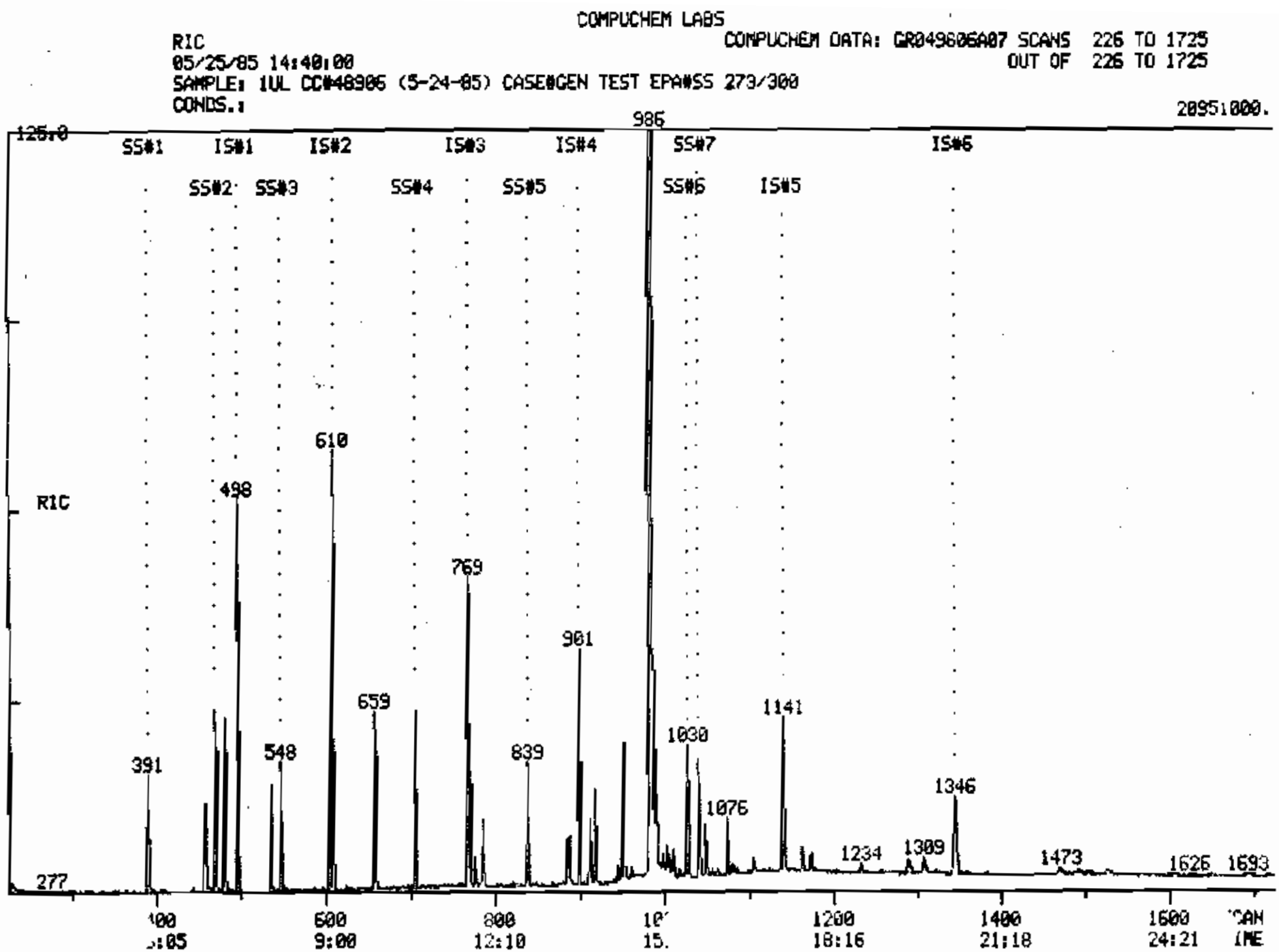
QUALITY ASSURANCE NOTICE
sample # 45106
fraction SV

Peaks on the RIC of this sample at the retention times (scans) listed below were identified as laboratory artifacts. This was concluded from a comparison of tentatively identified compound spectra and retention times found by the Library Search routine of the semple and its associated method blank. These compounds should not be considered actual constituents of this sample fraction.

scans: 985

SC
5/10/2

QAN10S
B50218


COMPUCHEM LABS
RIC
05/25/85 14:40:00
SAMPLE: 1UL CC#48906 (5-24-85) CASE#GEN TEST EPA#SS 273/300
CONDS.:
COMPUCHEM DATA: GR049806A07 SCANS 226 TO 1725
OUT OF 226 TO 1725
20951000.
125.0
986
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
610
498
RIC
769
901
659
1141
1030
391
548
839
1346
1076
1234
1309
1473
1626
1693
277
600
800
1200
1400
1600
9:00
12:10
18:16
21:18
24:21

PROCEDURE: RK DIA REPORT 5/25/85 15:11:55
DATA FILE: GR049806A07
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1S1

---- STANDARDS -----				PLUS UNKNOWNS				- LIST NAMES -
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
4	4	1	34	53	14	1	111	SEMI1S1/SEMI1U1
3	3	1	51	28	9	1	48	SEMI1S2/SEMI1U2

81 COMPOUNDS PROCESSED, 23 FOUND

COMPOUND		SEARCH					BAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	G1	1	-498	498	498	.	1	961	.	152	498	.	1
2	G3	1	-768	769	769	.	1	990	.	164	769	.	1
3	G2	1	-610	610	610	.	1	991	.	136	610	.	1
4	G7	2	-391	391	391	.	1	910	.	112	391	.	1
5	G1	2	-256	257	.	.	.	.	.	42	254	.	3
6	O1	3	-471	472	.	.	.	.	.	94	472	.	1
7	G1	4	-473	474	.	.	.	.	.	93	.	.	.
8	G1	5	-478	479	.	.	.	.	.	93	.	.	.
9	G1	6	-482	483	.	.	.	.	.	125	483	.	1
10	G1	7	-495	496	499	3	1	915	.	146	499	.	1
11	G1	8	-499	500	499	-1	1	930	.	146	499	.	1
12	G1	9	-511	512	.	.	.	.	.	108	.	.	
13	G1	10	-515	516	.	.	.	.	.	146	.		
14	G1	11	-522	523	.	.	.	.	.	108	.		
15	G1	12	-525	526	.	.	.	.	.	45	529		
16	G1	13	-534	534	.	.	.	.	.	108	.		
17	G1	14	-537	537	537	.	1	878	.	70	537	.	
18	G1	15	-543	543	.	.	.	.	.	117	.	.	
19	G1	16	-550	550	.	.	.	.	.	77	548	.	1
20	G2	2	-570	570	.	.	.	.	.	82	.	.	.
21	G2	3	-578	578	.	.	.	.	.	139	.	.	.
22	G2	4	-581	581	.	.	.	.	.	122	.	.	.
23	G2	5	-589	589	.	.	.	.	.	122	.	.	.
24	G2	6	-589	589	.	.	.	.	.	93	.	.	.
25	G2	7	-598	598	.	.	.	.	.	162	598	.	1
26	G2	8	-606	606	606	.	1	955	.	180	606	.	1
27	G2	9	-612	612	.	.	.	.	.	128	.	.	.
28	G2	10	-617	617	.	.	.	.	.	127	.	.	.
29	G2	11	-628	628	.	.	.	.	.	225	.	.	.
30	G2	12	-659	659	659	.	1	913	.	107	659	.	1
31	G2	13	-673	673	.	.	.	.	.	142	.	.	.
32	G3	2	-693	693	.	.	.	.	.	237	.	.	.
33	G3	3	-700	700	.	.	.	.	.	196	.	.	.
34	G3	4	-700	700	.	.	.	.	.	196	.	.	.
35	G3	5	-716	716	.	.	.	.	.	162	.	.	.
36	G3	6	-727	727	.	.	.	.	.	65	726	.	1
37	G3	7	-746	746	.	.	.	.	.	163	.	.	.
38	G3	8	-754	754	.	.	.	.	.	152	.	.	.
39	G3	9	-727	727	.	.	.	.	.	138	.	.	.
40	G3	10	-771	771	771	.	1	974	.	153	771	.	1
41	G3	11	-773	773	.	.	.	.	.	184	.	.	.
42	G3	12	-785	785	.	.	.	.	.	139	786	.	2
43	G3	13	-785	785	.	.	.	.	.	168	.	.	.
44	G3	14	-787	787	787	.	1	915	.	89	787	.	1
45	G3	15	-752	752	.	.	.	.	.	165	752	.	1
46	G3	16	-809	809	809	.	1	873	.	149	809	.	2
47	G3	17	-815	815	.	.	.	.	.	204	.	.	.
48	G3	18	-816	816	.	.	.	.	.	166	.	.	.
49	G3	19	-820	820	.	.	.	.	.	138	.	.	.

51	Q7	4	-548	548	548	.	1	954	.	82	548	.
52	Q7	5	-707	707	707	.	1	972	.	172	707	.
53	Q7	6	-839	839	.	.	.	.	.	141	839	.
54	Q4	1	-900	901	901	.	1	982	.	188	901	.
55	Q5	1	-1139	1141	1141	.	1	985	.	240	1141	.
56	Q6	1	-1342	1346	1346	.	1	995	.	264	1346	.
57	Q4	2	-823	824	.	.	.	.	.	198	.	.
.	Q4	3	-826	827	.	.	.	.	.	169	829	.
59	Q4	4	-858	859	.	.	.	.	.	248	.	.
60	Q4	5	-872	873	.	.	.	.	.	284	.	.
61	Q4	6	-887	888	888	.	1	947	.	266	888	.
62	Q4	7	-902	903	.	.	.	.	.	178	900	.
63	Q4	8	-906	907	.	.	.	.	.	178	910	.
64	Q4	9	-952	953	954	1	1	969	.	149	954	.
65	Q4	10	-1008	1010	.	.	.	.	.	202	1007	.
66	Q5	2	-1018	1020	.	.	.	.	.	184	.	.
67	Q5	3	-1029	1031	1030	-1	1	976	.	202	1030	.
68	Q5	4	-1085	1087	.	.	.	.	.	149	1086	.
69	Q5	5	-1133	1135	.	.	.	.	.	252	.	.
70	Q5	6	-1138	1140	.	.	.	.	.	228	1141	.
71	Q5	7	-1139	1141	1141	.	1	864	.	149	1141	.
72	Q5	8	-1142	1144	.	.	.	.	.	228	1141	.
73	Q6	2	-1211	1214	.	.	.	.	.	149	1213	.
74	Q6	3	-1281	1284	.	.	.	.	.	252	.	.
75	Q6	4	-1281	1284	.	.	.	.	.	252	.	.
76	Q6	5	-1333	1337	.	.	.	.	.	252	.	.
77	Q6	6	-1585	1590	.	.	.	.	.	276	.	.
78	Q6	7	-1590	1595	.	.	.	.	.	278	.	.
79	Q6	8	-1659	1664	.	.	.	.	.	276	.	.
80	Q7	7	-1040	1042	1042	.	1	978	.	244	1042	.
81	Q8	2	-1027	1029	1029	.	1	929	.	212	1029	.

Internal Standard Area Monitor

Method: SEMI1 Filename: QR049806A07 Date: 05/25/85
Shift Std: HG850525C07 Time: 14:40

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
*** D4-1,4-DICHLOROBENZENE (IS#1)	1460890.	1563640.	-6.	Pass
*** D8-NAPHTHALENE (IS#2)	4498430.	4905690.	-7.	Pass
*** D10-ACENAPHTHENE (IS#3)	2280190.	2473720.	-7.	Pass
*** D10-PHENANTHRENE (IS#4)	3597050.	4007800.	-9.	Pass
*** D12-CHRYSENE (IS#5)	2141880.	2657500.	-18.	Pass
*** D12-PERYLENE (IS#6)	2267900.	2356030.	-3.	Pass

QUANTITATION REPORT FILE: GR049806A07

DATA: GR049806A07.TI
05/25/85 14:40:00
SAMPLE: 1UL CC#48906 (5-24-85) CASE#GEN TEST EPA#SS 273/300
CONDS.:
)MITTED BY: 07 ANALYST: 644

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	610 PHENOL (G1#3) <108-95-2>
4	473 ANILINE (G1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
6	601 2-CHLOROPHENOL (G1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
9	474 BENZYL ALCOHOL (G1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
11	620 2-METHYLPHENOL (G1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
13	622 4-METHYLPHENOL (G1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
15	436 HEXACHLOROETHANE (G1#15) <67-72-1>
16	440 NITROBENZENE (G1#16) <98-95-3>
17	*** D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (G2#2) <78-59-1>
19	606 2-NITROPHENOL (G2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
1	625 BENZOIC ACID (G2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
25	439 NAPHTHALENE (G2#9) <91-20-3>
26	475 4-CHLOROANILINE (G2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
35	478 2-NITROANILINE (G3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
37	402 ACENAPHTHYLENE (G3#8) <208-96-8>
38	479 3-NITROANILINE (G3#9) <99-09-2>
39	401 ACENAPHTHENE (G3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (G3#11) <51-28-5>
41	607 4-NITROPHENOL (G3#12) <100-02-7>
42	476 DIBENZOFURAN (G3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	*** D12-CHRYSENE (IS#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
75	### 2-FLUOROPHENOL (SS#1)
76	### D5-PHENOL (SS#2)
	### D5-NITROBENZENE (SS#3)
78	### 2-FLUOROBIPHENYL (SS#4)
79	### 2,4,6-TRIBROMOPHENOL (BS#5)
80	### D14-TERPHENYL (SS#6)
81	### D10 PYRENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
1	152	498	7:35	1	1.000	A BV	1460890.	40.000	NG	6.16
2	42	254	3:52	1	0.510	A*BV	11008.	0.171	NG	0.03
3	94	472	7:11	1	0.948	A BB	1071070.	15.431	NG	2.38
4	93	NOT FOUND								
5	93	NOT FOUND								
6	128	483	7:21	1	0.970	A BB	1614940.	33.259	NG	5.12
7	146	499	7:36	1	1.002	A BB	897088.	15.600	NG	2.40
8	146	499	7:36	1	1.002	A BB	897088.	15.130	NG	2.33
9	108	NOT FOUND								
10	146	NOT FOUND								
11	108	NOT FOUND								
12	45	529	8:03	1	1.062	A BB	7488.	0.071	NG	0.01
13	108	NOT FOUND								
14	70	537	8:10	1	1.078	A BV	683072.	13.961	NG	2.15
15	117	NOT FOUND								
16	77	548	8:20	1	1.100	A BB	8832.	0.134	NG	0.02
17	136	610	9:17	17	1.000	A BV	4498430.	40.000	NG	6.16
18	82	NOT FOUND								
	139	NOT FOUND								

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	NOT FOUND								
21	122	NOT FOUND								
22	93	NOT FOUND								
23	162	598	9:06	17	0.980	A BB	8992.	0.244	NG	0.04
;	180	606	9:13	17	0.993	A BV	652896.	15.055	NG	2.32
25	128	NOT FOUND								
26	127	NOT FOUND								
27	225	NOT FOUND								
28	107	659	10:02	17	1.080	A BV	1418360.	31.509	NG	4.85
29	142	NOT FOUND								
30	164	769	11:42	30	1.000	A BV	2280190.	40.000	NG	6.16
31	237	NOT FOUND								
32	196	NOT FOUND								
33	196	NOT FOUND								
34	162	NOT FOUND								
35	65	726	11:03	30	0.944	A BB	4960.	0.148	NG	0.02
36	163	NOT FOUND								
37	152	NOT FOUND								
38	138	NOT FOUND								
39	153	771	11:44	30	1.003	A BB	1113370.	15.591	NG	2.40
40	184	NOT FOUND								
41	139	786	11:58	30	1.022	A*VB	3776.	0.074	NG	0.01
42	168	NOT FOUND								
43	89	787	11:58	30	1.023	A VV	325696.	12.328	NG	1.90
44	165	752	11:27	30	0.978	A BB	2784.	0.166	NG	0.03
45	149	809	12:19	30	1.052	A*BV	31936.	0.343	NG	0.05
46	204	NOT FOUND								
47	166	NOT FOUND								
48	138	NOT FOUND								
49	188	901	13:43	49	1.000	A VV	3597050.	40.000	NG	6.1
)	198	NOT FOUND								
51	169	829	12:37	49	0.920	A*BV	2400.	0.056	NG	0.01
52	248	NOT FOUND								
53	284	NOT FOUND								
54	266	888	13:31	49	0.986	A VB	197856.	33.242	NG	5.12
55	178	900	13:42	49	0.999	A BB	2560.	0.027	NG	0.00
56	178	910	13:51	49	1.010	A BV	1184.	0.013	NG	0.00
57	149	954	14:31	49	1.059	A VV	2430610.	18.228	NG	2.81
58	202	1007	15:19	49	1.118	A*VV	16192.	0.173	NG	0.03
59	240	1141	17:22	59	1.000	A VV	2141880.	40.000	NG	6.16
60	184	NOT FOUND								
61	202	1030	15:40	59	0.903	A VV	1891420.	21.821	NG	3.36
62	149	1086	16:31	59	0.952	A VV	9682.	0.218	NG	0.03
63	252	NOT FOUND								
64	228	1141	17:22	59	1.000	A BB	5952.	0.094	NG	0.01
65	149	1141	17:22	59	1.000	A VV	88614.	1.211	NG	0.19
66	228	1141	17:22	59	1.000	A BB	5952.	0.102	NG	0.02
67	264	1346	20:29	67	1.000	A BV	2267900.	40.000	NG	6.16
68	149	1213	18:27	67	0.901	A*VV	14200.	0.114	NG	0.02
69	252	NOT FOUND								
70	252	NOT FOUND								
71	252	NOT FOUND								
72	276	NOT FOUND								
73	278	NOT FOUND								
74	276	NOT FOUND								
1	112	391	5:57	1	0.765	A BB	1207160.	23.920	NG	3.69

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	471	7:10	1	0.946	A BV	1084190.	17.045	NG	2.63
77	82	548	8:20	17	0.898	A BV	1096830.	17.415	NG	2.68
78	172	707	10:45	30	0.919	A BB	1531800.	18.636	NG	2.87
7	141	839	12:46	30	1.091	A VV	256544.	40.631	NG	6.26
J	244	1042	15:51	59	0.913	A VV	1372540.	23.341	NG	3.60
81	212	1029	15:39	59	0.902	A VV	1771710.	23.628	NG	3.64

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:54	0.99	10.000	0.05	0.17	50.00	0.006	1.764	0.00
3	7:10	1.00	10.000	0.09	15.43	50.00	0.587	1.901	0.31
4	7:12		10.000			50.00		1.705	
5	7:16		10.000			50.00		1.398	
6	7:20	1.00	10.000	0.10	33.26	50.00	0.884	1.329	0.67
7	7:32	1.01	10.000	0.10	15.60	50.00	0.491	1.574	0.31
8	7:36	1.00	10.000	0.10	15.13	50.00	0.491	1.623	0.30
9	7:47		10.000			50.00		0.768	
10	7:50		10.000			50.00		1.461	
11	7:57		10.000			50.00		1.099	
12	7:59	1.01	10.000	0.11	0.07	50.00	0.004	2.878	0.00
13	8:08		10.000			50.00		1.225	
14	8:10	1.00	10.000	0.11	13.96	50.00	0.374	1.340	0.28
15	8:16		10.000			50.00		0.735	
16	8:22	1.00	10.000	0.11	0.13	50.00	0.005	1.810	0.00
17	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:40		10.000			50.00		0.981	
19	8:48		10.000			50.00		0.194	
20	8:50		10.000			50.00		0.358	
21	8:58		50.000			50.00		0.165	
	8:58		10.000			50.00		0.485	
J	9:06	1.00	10.000	0.10	0.24	50.00	0.002	0.327	0.00
24	9:13	1.00	10.000	0.10	15.05	50.00	0.116	0.386	0.30
25	9:19		10.000			50.00		1.114	
26	9:23		10.000			50.00		0.306	
27	9:33		10.000			50.00		0.222	
28	10:02	1.00	10.000	0.11	31.51	50.00	0.252	0.400	0.63
29	10:14		10.000			50.00		0.688	
30	11:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:33		10.000			50.00		0.305	
32	10:39		10.000			100.00		0.388	
33	10:39		50.000			100.00		0.388	
34	10:54		10.000			50.00		1.271	
35	11:04	1.00	50.000	0.02	0.15	50.00	0.002	0.589	0.00
36	11:21		10.000			50.00		1.482	
37	11:28		10.000			50.00		1.775	
38	11:04		50.000			50.00		0.408	
39	11:44	1.00	10.000	0.10	15.59	50.00	0.391	1.253	0.31
40	11:46		50.000			50.00		0.070	
41	11:57	1.00	50.000	0.02	0.07	50.00	0.001	0.895	0.00
42	11:57		10.000			50.00		1.665	
43	11:59	1.00	10.000	0.10	12.33	50.00	0.114	0.463	0.25
44	11:27	1.00	10.000	0.10	0.17	50.00	0.001	0.293	0.00
45	12:19	1.00	10.000	0.11	0.34	50.00	0.011	1.631	0.01
46	12:24		10.000			50.00		0.598	
47	12:25		10.000			50.00		1.313	
	12:29		50.000			50.00		0.166	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:31		50.000			50.00		0.084	
51	12:34	1.00	10.000	0.09	0.06	50.00	0.001	0.476	0.00
52	13:03		10.000			50.00		0.212	
	13:16		10.000			50.00		0.297	
54	13:30	1.00	50.000	0.02	33.24	50.00	0.044	0.066	0.66
55	13:44	1.00	10.000	0.10	0.03	50.00	0.001	1.069	0.00
56	13:47	1.00	10.000	0.10	0.01	50.00	0.000	0.999	0.00
57	14:29	1.00	10.000	0.11	18.23	50.00	0.541	1.483	0.36
58	15:20	1.00	10.000	0.11	0.17	50.00	0.004	1.042	0.00
59	17:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:29		50.000			50.00		0.006	
61	15:40	1.00	10.000	0.09	21.82	50.00	0.706	1.619	0.44
62	16:31	1.00	10.000	0.10	0.22	50.00	0.004	0.830	0.00
63	17:14		20.000			50.00		0.182	
64	17:19	1.00	10.000	0.10	0.09	50.00	0.002	1.183	0.00
65	17:20	1.00	10.000	0.10	1.21	50.00	0.033	1.367	0.02
66	17:23	1.00	10.000	0.10	0.10	50.00	0.002	1.084	0.00
67	20:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:26	1.00	10.000	0.09	0.11	50.00	0.005	2.193	0.00
69	19:30		10.000			100.00		1.126	
70	19:30		10.000			100.00		1.126	
71	20:17		10.000			50.00		1.029	
72	24:07		10.000			50.00		1.190	
73	24:12		10.000			50.00		0.979	
74	25:15		10.000			50.00		0.961	
75	5:57	1.00	0.742	1.06	23.92	50.00	0.661	1.382	0.48
76	7:09	1.00	0.948	1.00	17.04	50.00	0.594	1.742	0.34
77	8:20	1.00	0.875	1.03	17.41	50.00	0.195	0.560	0.35
78	10:46	1.00	0.906	1.01	18.64	50.00	0.537	1.442	0.37
	12:46	1.00	1.118	0.98	40.63	50.00	0.090	0.111	0.81
80	15:50	1.00	0.907	1.01	23.34	50.00	0.513	1.098	0.47
81	15:38	1.00	0.906	1.00	23.63	50.00	0.662	1.400	0.47

CASE#: GEN TEST DUE DATE: 5/24

SEMI-VOLATILE
LOW MS WORKSHEET COMPUCHEM#: 49806R

J1[ ] R1[X] D1[ ] (:1)

J2[ ] R2[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---056
Instrument Code---254
Compound List---142
Surrogate Std---392
Internal Std---035 (added by GC/MS)

SAS: EPA#: SS 293/300

GC/MS ANALYSIS
Volumes mixed: BN 160 ul Acid 160 ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 1.0 ul
Date of Sample Bottle Analyzed 5/24/85
DFTPP Filename DH50525B02 Disk (78)
Standard Filename HG850525B02 Disk (78)
Sample Filename GR049806A02 Disk (75)

ANALYST(S): Injection 644 Work-up 683

GC/MS REVIEW

CONDITION CODE: EA

Entry Codes OK,EA,JA, ES,AL,AH,PL,PH,FL,JS FN,NL,NH,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,OT,NS ED,IF,LA,DI,CO,RN,DW,DA

Extraneous Peak Search Results:
# of Peaks Found: 12

Quality Assurance Notice(s):
Notices Required:

COMMENTS:

Disposition:
[X] Complete
[ ] Reinjection required
[ ] Reextraction required
[ ] Dilute (:1)
[ ] Reinject Neat
[ ] Send to QA

GC/MS Review Date 5/28/85 Auditor Date

REPORT INTEGRATION Total # of Injections: 2
Final Reportable Package(s): GR

QA COMMENTS:

Initials Date

FINAL REVIEW: Initials Date

RECEIVED 5/28 5/28/85

EPAWATER (11/84)

Semi-Volatile - Liquid

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/l)	Detection Limit (ug/l)
2	441	___	N-NITROSODIMETHYLAMINE (G1#2) <62-			BDL	20.0
3	610	___	PHENOL (G1#3) <108-95-2>	15.4		31.0	20.0
4	473	___	ANILINE (G1#4) <62-53-3>			BDL	20.0
5	411	___	BIS(2-CHLOROETHYL)ETHER (G1#5) <11			BDL	20.0
6	601	___	2-CHLOROPHENOL (G1#6) <95-57-8>	33.2		66.0	20.0
7	421	___	1,3-DICHLOROBENZENE (G1#7) <541-73	~~46.6~~		~~93.0~~ M	20.0
8	422	___	1,4-DICHLOROBENZENE (G1#8) <106-46	15.1		30.0	20.0
9	474	___	BENZYL ALCOHOL (G1#9) <100-51-6>			BDL	20.0
10	420	___	1,2-DICHLOROBENZENE (G1#10) <95-50			BDL	20.0
11	620	___	2-METHYLPHENOL (G1#11) <95-48-7>			BDL	20.0
12	412	___	BIS(2-CHLORDISOPROPYL)ETHER (G1#12			BDL	20.0
13	622	___	4-METHYLPHENOL (G1#13) <106-44-5>			BDL	20.0
14	442	___	N-NITROSO-DI-N-PROPYLAMINE (G1#14)	14.0		28.0	20.0
15	436	___	HEXACHLOROETHANE (G1#15) <67-72-1>			BDL	20.0
16	440	___	NITROBENZENE (G1#16) <98-95-3>			BDL	20.0
18	438	___	ISOPHORONE (G2#2) <78-59-1>			BDL	20.0
19	606	___	2-NITROPHENOL (G2#3) <88-75-5>			BDL	20.0
20	603	___	2,4-DIMETHYLPHENOL (G2#4) <105-67-			BDL	20.0
21	625	___	BENZOIC ACID (G2#5) <65-85-0>			BDL	100.0
22	410	___	BIS(2-CHLOROETHOXY)METHANE (G2#6)			BDL	20.0
23	602	___	2,4-DICHLOROPHENOL (G2#7) <120-83-			BDL	20.0
24	446	___	1,2,4-TRICHLOROBENZENE (G2#8) <120	15.0		30.0	20.0
25	439	___	NAPHTHALENE (G2#9) <91-20-3>			BDL	20.0
26	475	___	4-CHLOROANILINE (G2#10) <106-47-8>			BDL	20.0
27	434	___	HEXACHLOROBUTADIENE (G2#11) <87-68			BDL	20.0
	608	___	P-CHLORO-M-CRESOL (G2#12) <59-50-7	31.5		63.0	20.0
29	477	___	2-METHYLNAPHTHALENE (G2#13) <91-57			BDL	20.0
31	435	___	HEXACHLOROCYCLOPENTADIENE (G3#2) <			BDL	20.0
32	611	___	2,4,6-TRICHLOROPHENOL (G3#3) <88-0			BDL	20.0
33	626	___	2,4,5-TRICHLOROPHENOL (G3#4) <95-9			BDL	100.0
34	416	___	2-CHLORONAPHTHALENE (G3#5) <91-58-			BDL	20.0
35	478	___	2-NITROANILINE (G3#6) <88-74-4>			BDL	100.0
36	425	___	DIMETHYL PHTHALATE (G3#7) <131-11-			BDL	20.0
37	402	___	ACENAPHTHYLENE (G3#8) <208-96-8>			BDL	20.0
38	479	___	3-NITROANILINE (G3#9) <99-09-2>			BDL	100.0
39	401	___	ACENAPHTHENE (G3#10) <83-32-9>	15.6		31.0	20.0
40	605	___	2,4-DINITROPHENOL (G3#11) <51-28-5			BDL	100.0
41	607	___	4-NITROPHENOL (G3#12) <100-02-7>			BDL	100.0
42	476	___	DIBENZOFURAN (G3#13) <132-64-9>			BDL	20.0
43	427	___	2,4-DINITROTOLUENE (G3#14) <121-14	12.3		25.0	20.0
44	428	___	2,6-DINITROTOLUENE (G3#15) <606-20			BDL	20.0
45	424	___	DIETHYL PHTHALATE (G3#16) <84-66-2			BDL	20.0
46	417	___	4-CHLOROPHENYL PHENYL ETHER (G3#17			BDL	20.0
47	432	___	FLUORENE (G3#18) <86-73-7>			BDL	20.0
48	480	___	4-NITROANILINE (G3#19) <100-01-6>			BDL	100.0
50	604	___	4,6-DINITRO-2-METHYLPHENOL (G4#2)			BDL	100.0
51	443	___	N-NITROSODIPHENYLAMINE (G4#3) <86-			BDL	20.0
52	414	___	4-BROMOPHENYL PHENYL ETHER (G4#4)			BDL	20.0
53	433	___	HEXACHLOROBENZENE (G4#5) <118-74-1			BDL	20.0
54	609	___	PENTACHLOROPHENOL (G4#6) <87-86-5>	33.2		J	100.0
	444	___	PHENANTHRENE (G4#7) <85-01-8>			BDL	20.0
	403	___	ANTHRACENE (G4#8) <120-12-7>			BDL	20.0
57	426	___	DI-N-BUTYL PHTHALATE (G4#9) <84-74	18.2		36.0	20.0
58	431	___	FLUORANTHENE (G4#10) <206-44-0>			BDL	20.0

P	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/l)	Detection Limit (ug/l)
60	404	___	BENZIDINE (G5#2) <92-87-5>			BDL	100.0
61	445	___	PYRENE (G5#3) <129-00-0>	21.8		44.0	20.0
62	415	___	BUTYLBENZYL PHTHALATE (G5#4) <85-6			BDL	20.0
63	423	___	3,3'-DICHLOROBENZIDINE (G5#5) <91-			BDL	40.0
64	405	___	BENZO(A)ANTHRACENE (G5#6) <56-55-3			BDL	20.0
65	413	___	BIS(2-ETHYLHEXYL) PHTHALATE (G5#7)			BDL	20.0
66	418	___	CHRYSENE (G5#9) <218-01-9>			BDL	20.0
68	429	___	DI-N-OCTYL PHTHALATE (G6#2) <117-8			BDL	20.0
69	407	___	BENZO(B)FLUORANTHENE (G6#3) <205-9			BDL	20.0
70	409	___	BENZO(K)FLUORANTHENE (G6#4) <207-0			BDL	20.0
71	406	___	BENZO(A)PYRENE (G6#5) <50-32-8>			BDL	20.0
72	437	___	INDENO(1,2,3-C,D)PYRENE (G6#6) <19			BDL	20.0
73	419	___	DIBENZO(A,H)ANTHRACENE (G6#7) <53-			BDL	20.0
74	408	___	BENZO(G,H,I)PERYLENE (G6#8) <191-2			BDL	20.0

	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P
75	●●	2-FLUOROPHENOL (SS#1)	23.9	50.0	48.0	23-121	X
76	●●	D5-PHENOL (SS#2)	17.0	50.0	34.0	15-103	X
77	●●	D5-NITROBENZENE (SS#3)	17.4	25.0	70.0	41-120	X
78	●●	2-FLUOROBIPHENYL (SS#4)	18.6	25.0	74.0	44-119	X
79	●●	2,4,6-TRIBROMOPHENOL (SS#5)	40.6	50.0	81.0	10-130	X
80	●●	D14-TERPHENYL (SS#6)	23.3	25.0	93.0	33-128	X
81	●●	D10 PYRENE	23.6	25.0	94.0	33-128*	X

SL

* 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:

$$\frac{\text{Final Extract Volume (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{1000\ \text{ml}}{\text{Vol Sample Extracted (ml)}} \times \text{Dilution Factor} \times 2 =$$

$$\frac{0.5\text{ml}}{1.0\text{ml \& } 1.0\text{ml}} \times \frac{1000.\text{ml}}{500.\text{ml}} \times \frac{1.0}{} \times 2 = 2.000$$

Quant Report amount spiked conversion factor:

$$\frac{500\ \text{ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \text{GCMS Dilution Factor} \times 2 =$$

$$\frac{500\ \text{ul}}{250\ \text{ul}} \times \frac{0.5\text{ml}}{1.0\text{ml \& } 1.0\text{ml}} \times \frac{1.0}{} \times 2 = 2.000$$

EXTRACTION WORKSHEET
Semi-Volatiles / Miscellaneous

ASSIGNED TO: Delmuth

DATE ASSIGNED 5/24/85

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
49806K	-SG	GenTest		SS	49813	500ml		0.5ml	0.5ml		13	1	5/24	49803 out / 49811, 12, 13, 14, 45861 added 250ml surrogate & added 500ml water to samples
49805K	-	↓		SS		500ml		0.5ml	0.5ml		13	1	5/24	
49811 K			NA			1000ml		1.0ml	1.0ml		13	1	5/24	
49812 K		↓	NA			1000ml		1.0ml	1.0ml		13	1	5/24	
50168K		4236	BB245			1000ml		1.0ml	1.0ml		13	1	5/24	
50173K			BB246			1000ml		1.0ml	1.0ml		13	1	5/24	
50180K		↓	BB249			1000ml		1.0ml	1.0ml		13	1	5/24	
51625				B'		1000ml		1.0ml	1.0ml		13	1	5/24	
51626	↓			B²		1000ml		1.0ml	1.0ml		13	1	5/24	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	341					
	AMT.	0.5ml					
	LOT	14693					
SPIKE	NO.		2012	2021			
	AMT.		0.250ml	0.250ml			
	LOT		14655	14687			

MANUAL COUNTER 272/463

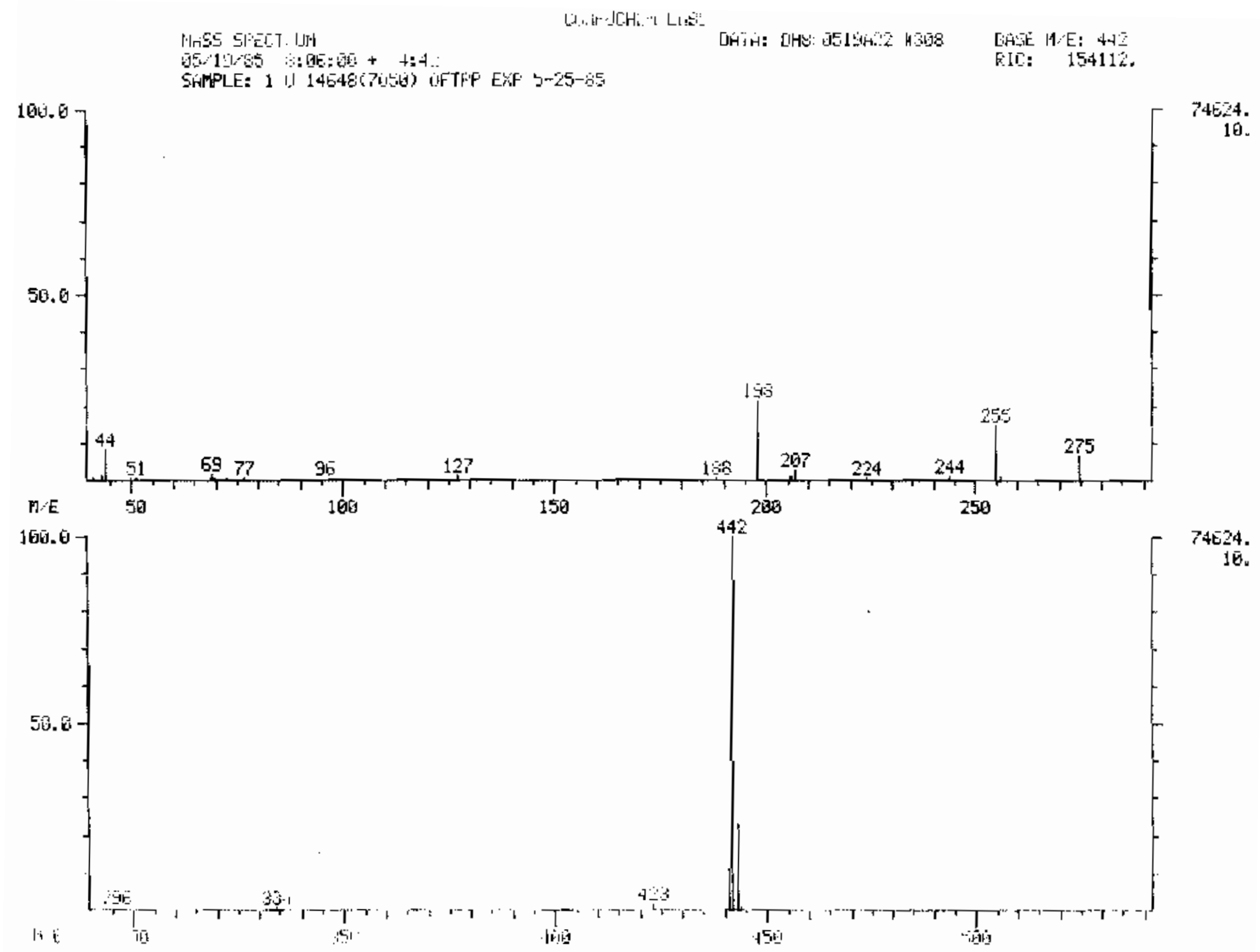
FINAL VOLUME VERIFIED OK

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY BD 5/24/85

Issued 5/24/85 BD

№ 6218


MASS SPECTRUM
05/10/85 8:06:00 + 4:4..
SAMPLE: 1 U 14648(7050) OFTPP EXP 5-25-85
DATA: DHS:0519A02 M308
BASE M/E: 442
RIC: 154112.
100.0
50.0
74624.
10.
44
51
69
77
96
127
168
198
207
224
244
255
275
M/E
50
100
150
200
250
442
423

COMPUCHEM LABS

BASE _IST DATA: DH850519A22 # 309 BASE M/E: 198
05/19/85 8:06:00 + 4:43 RIC: 5668860.
SAMPLE: 1 U 14648(7050) DFTPP EXP 5-25-85
#308 TO #311 SUMMED

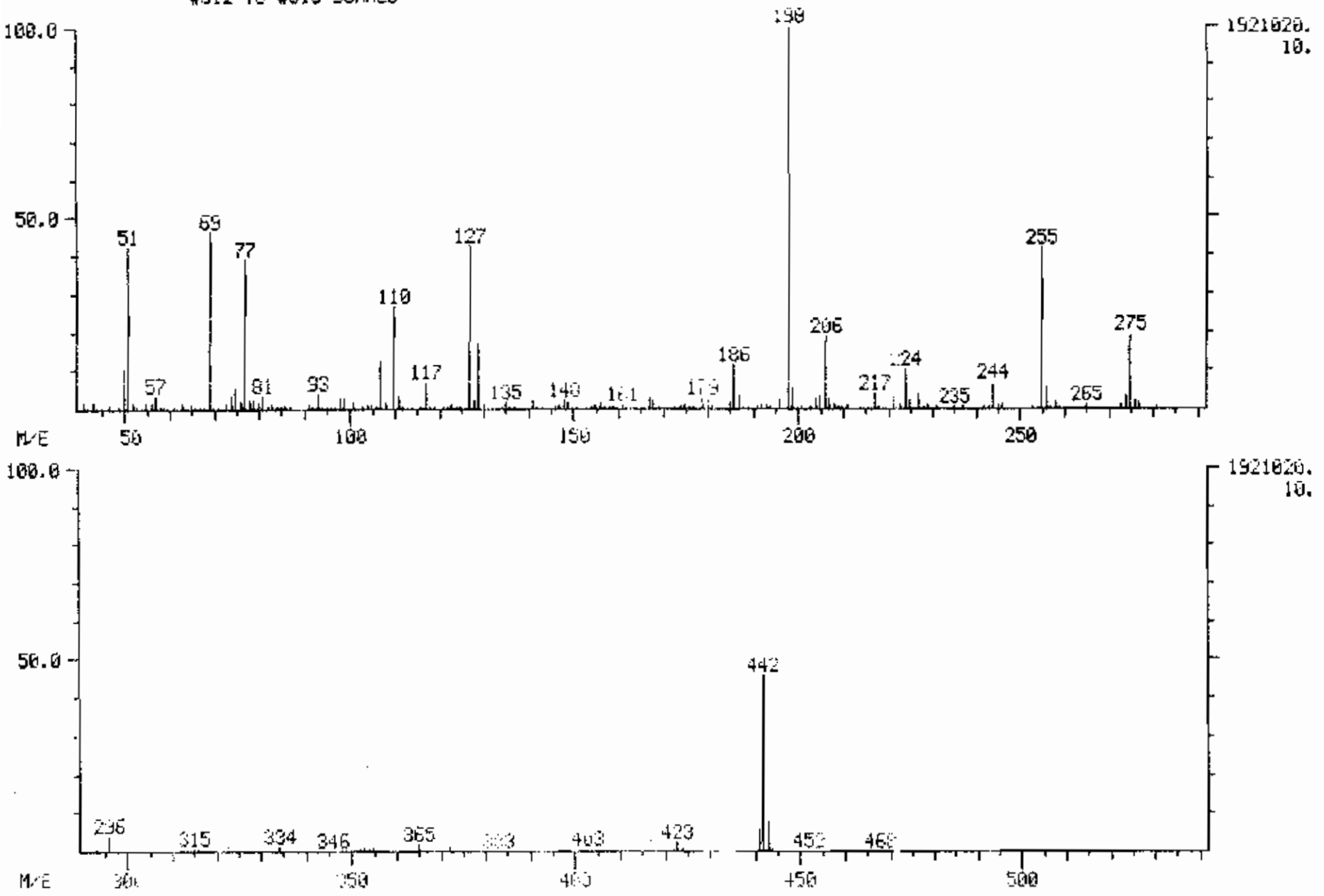
41 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 866304.
444 # 0 MAXIMA

MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	0.20	111	3.58	188	0.30	297	0.13
43	0.39	112	0.14	189	0.27	303	0.17
44	3.42	116	0.16	191	0.13	315	0.21
47	0.04	117	4.98	192	0.3?	323	1.09
50	11.82	118	0.38	193	0.33	324	0.04
51	50.24	122	0.25	196	2.39	334	0.72
52	2.46	123	0.65	198	100.00	341	0.06
53	0.03	125	0.10	199	6.51	346	0.08
55	0.13	127	41.31	200	0.3?	352	0.27
56	1.26	128	2.77	202	0.21	353	0.11
57	3.50	129	14.90	204	1.??	354	0.25
58	0.05	130	1.09	205	3.39	365	1.09
59	0.03	131	0.06	206	15.46	372	0.34
61	0.42	134	0.10	207	3.??	383	0.09
63	0.10	135	1.19	208	0.?6	402	0.04
65	1.65	136	0.12	210	0.16	403	0.21
64	0.08	137	0.47	211	0.52	423	1.71
65	0.75	141	1.30	217	3.1?	424	0.28
67	0.03	142	0.15	218	0.??	441	5.58
68	0.03	143	0.09	220	0.04	442	43.85
69	53.07	147	0.62	221	4.??	443	8.10
70	0.04	148	1.17	222	0.07	444	0.43
73	0.45	149	0.14	223	0.46		
74	3.61	151	0.04	224	7.??		
75	6.41	153	0.25	225	1.70		
76	0.57	154	0.07	226	0.0?		
77	50.77	155	0.48	227	2.64		
78	3.30	156	1.23	228	0.1?		
79	2.29	157	0.04	229	0.?7		
80	2.11	158	0.10	231	0.06		
81	2.87	159	0.04	237	0.05		
82	0.38	160	0.04	242	0.13		
83	0.53	161	0.48	244	7.44		
85	0.39	163	0.03	245	0.66		
86	0.33	165	0.29	246	0.58		
91	0.43	166	0.17	247	0.06		
92	0.37	167	2.93	249	0.07		
93	3.27	168	2.79	255	32.62		
94	0.06	169	0.10	256	4.43		
96	0.23	172	0.10	257	0.13		
98	1.89	174	0.41	258	1.16		
99	3.32	175	0.78	265	0.30		
101	1.32	177	0.21	273	0.62		
103	0.25	178	0.03	274	3.07		
104	0.71	179	1.85	275	16.37		
105	0.39	180	1.39	276	2.02		
106	0.07	181	0.51	277	0.63		
107	11.76	185	0.76	281	0.04		
108	1.50	186	9.74	293	0.06		
110	29.31	187	2.67	296	2.63		

COMPOSITE L-65

MASS SPECTRUM
05/25/85 6:18:00 + 4:+5
SAMPLE: 1UL DFTPP 14658(7050-ON#7
#312 TO #313 SUMMED

DATA: DH85052507 #312
BASE M/E: 198
RIC: 13853600.

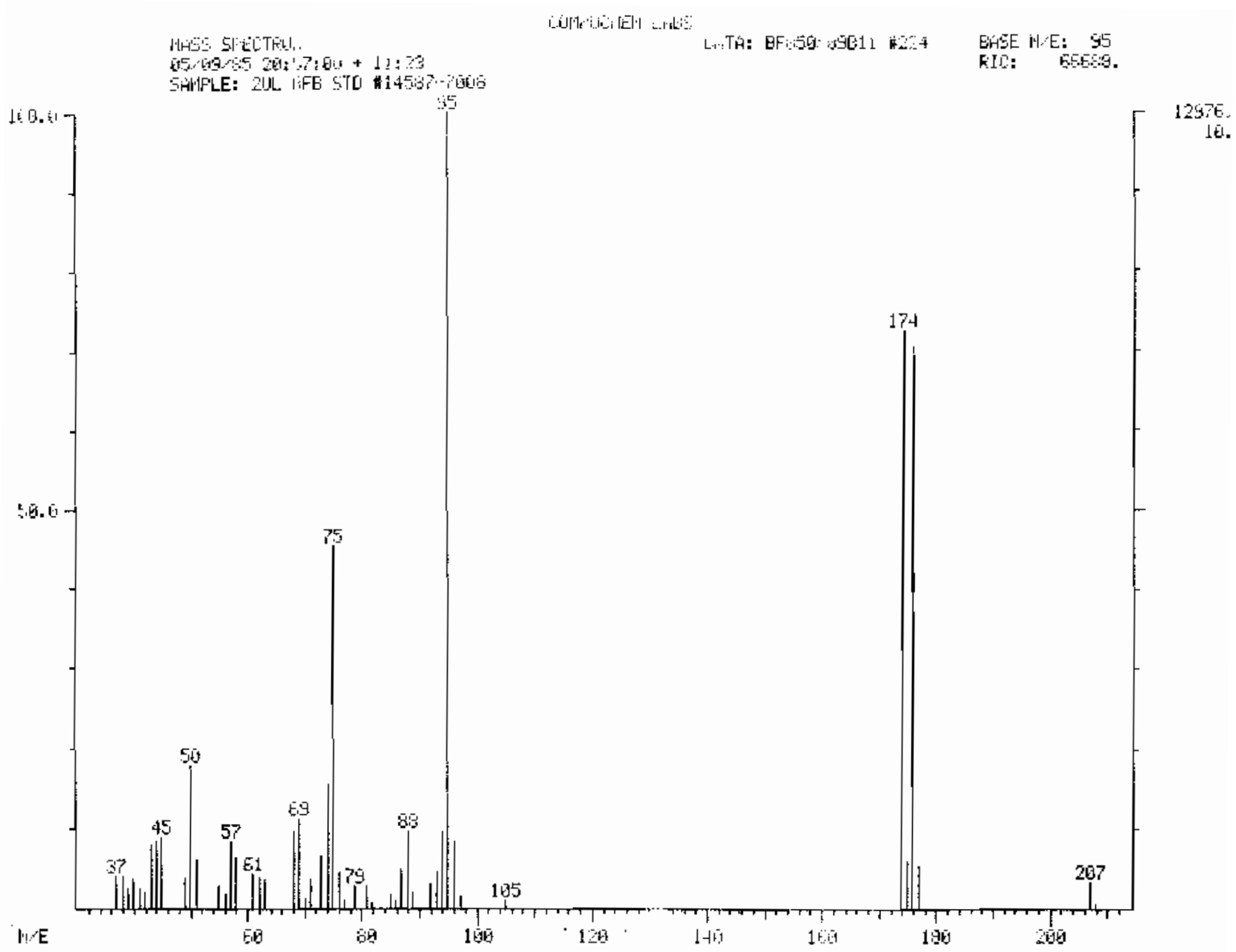


COMPUCHEM LABS

MASS LIST DATA: DH850525C07 # 312 BASE M/E: 198
05/25/85 6:18:00 + 4:45 RIC: 13893600.
SAMPLE: 1UL DFTPP 14658(7050)ON#7
#312 TO #313 SUMMED

41 0.00 MINIMA MIN INTEN: 4968. MAX INTEN: 1921020.
468 # 0 MAXIMA

MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	1.91	98	2.83	161	1.05	231	0.33
42	0.48	99	2.56	162	0.35	235	0.42
43	1.66	101	1.90	165	0.77	237	0.40
44	0.63	103	0.40	166	0.69	242	0.57
45	0.31	104	0.98	167	3.52	243	0.45
47	0.97	105	0.88	168	1.98	244	6.75
49	0.44	106	0.41	169	0.42	245	1.01
50	10.17	107	12.55	172	0.38	246	1.37
51	42.38	108	1.81	173	0.56	253	0.30
52	1.98	110	26.63	174	0.78	255	42.00
53	0.37	111	3.48	175	1.39	256	5.43
54	0.37	112	0.47	176	0.34	257	0.34
55	1.70	114	0.47	177	0.61	258	1.98
56	1.57	117	6.53	179	2.61	259	0.29
57	3.35	118	0.70	180	2.00	260	0.66
58	0.31	119	0.31	181	0.99	273	1.03
59	0.42	120	0.27	184	0.27	274	3.39
60	0.26	121	0.29	185	1.47	275	19.46
61	0.50	122	0.62	186	11.30	276	2.54
63	1.67	123	1.38	187	3.15	277	1.55
64	0.27	124	0.60	188	0.54	281	0.51
65	0.90	125	0.77	189	0.69	283	0.26
66	0.45	127	42.32	191	0.51	293	0.46
67	0.76	128	2.87	192	0.87	296	4.14
68	0.37	129	17.08	193	1.04	297	0.60
69	46.38	130	1.53	194	0.30	303	0.60
70	0.50	131	0.39	196	2.00	315	0.47
71	0.48	133	0.38	198	100.00	316	0.30
73	1.42	134	0.54	199	5.53	323	1.61
74	3.28	135	1.70	200	0.42	324	0.32
75	5.52	136	0.77	201	0.40	327	0.34
76	2.14	137	0.83	203	0.53	334	0.97
77	39.13	138	0.26	204	2.57	341	0.26
78	2.53	141	2.13	205	4.13	352	0.41
79	2.48	142	0.69	206	18.92	353	0.41
80	1.76	143	0.60	207	3.03	354	0.64
81	3.16	146	0.59	208	0.91	355	0.29
82	1.00	147	1.33	209	0.47	365	1.73
83	1.20	148	2.23	210	0.43	372	1.01
84	0.63	149	1.43	211	0.86	402	0.28
85	0.72	150	0.29	217	4.19	403	0.35
86	0.96	151	0.45	218	0.55	421	0.27
87	0.62	153	0.65	221	3.26	422	0.31
91	1.02	154	0.56	222	0.71	423	2.30
92	0.41	155	1.21	223	1.15	424	0.59
93	3.89	156	1.71	224	9.97	441	5.58
94	0.44	157	0.30	225	2.16	442	45.58
95	0.53	158	0.56	227	3.85	443	8.06
96	0.53	159	0.43	228	0.64	444	0.65
97	0.55	160	0.78	229	0.91		

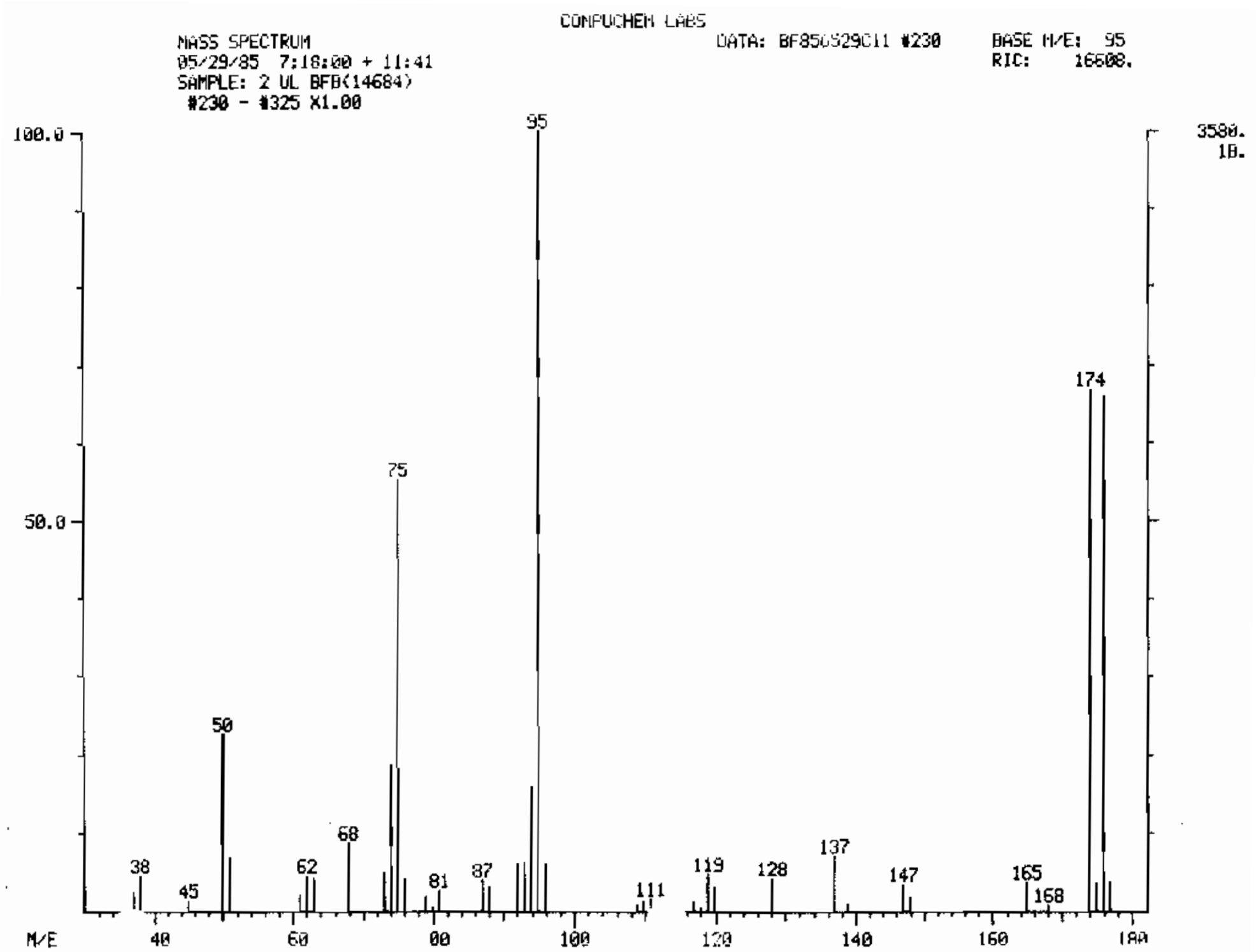

MASS SPECTRUM
05/09/85 20:47:00 + 12:23
SAMPLE: 20L BFB STD #14587-7006
BASE M/E: 95
RIC: 65688.
12976.
10.
100.0
50.0
M/E
95
174
75
50
69
45
57
88
37
61
79
105
207
60
80
100
120
140
160
180
200

COMPUCHEM LABS

MASS LIST DATA: BF850509B11 # 224 BASE M/E. 95
05/09/85 20:57:00 + 11:23 RIC: 66688.
SAMPLE: 2UL BFB STD #14587-7008

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 12976.
'08 # 0 MAXIMA
.A55 % RA

37	4.20
38	4.10
39	2.45
40	3.88
41	2.62
42	1.96
43	7.85
44	8.42
45	8.95
49	3.81
50	17.85
51	6.19
55	2.69
56	1.67
57	8.38
58	6.50
61	4.3[illegible]
62	3.85
63	3.58
68	9.79
69	11.21
70	1.26
71	3.55
73	6.57
74	15.47
75	45.50
76	4.58
77	1.01
79	2.73
81	2.73
82	0.71
85	1.79
86	0.91
87	4.97
88	9.69
89	1.93
92	2.98
93	4.55
94	9.76
95	100.00
96	8.51
97	1.44
105	1.09
174	72.50
175	5.96
176	70.41
177	5.24
207	3.41
208	0.61


COMPUCHEM LABS
MASS SPECTRUM
05/29/85 7:18:00 + 11:41
SAMPLE: 2 UL BFB(14684)
#230 - #325 X1.00
DATA: BF850529011 #230
BASE M/E: 95
RIC: 16608.
100.0
50.0
3580.
18.
95
75
174
50
68
38
62
45
81
87
111
119
128
137
147
165
168
M/E
40
60
80
100
120
140
160
180

COMPUCHEM LABS

MASS LIST DATA: BFB50529C11 # 230 BASE M/E: 95
05/29/85 7:18:00 + 11:41 RIC: 16608.
SAMPLE: 2 UL BFB(14684)
#230 - #325 X1.00

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 3580.
177 # 0 MAXIMA
MASS % RA

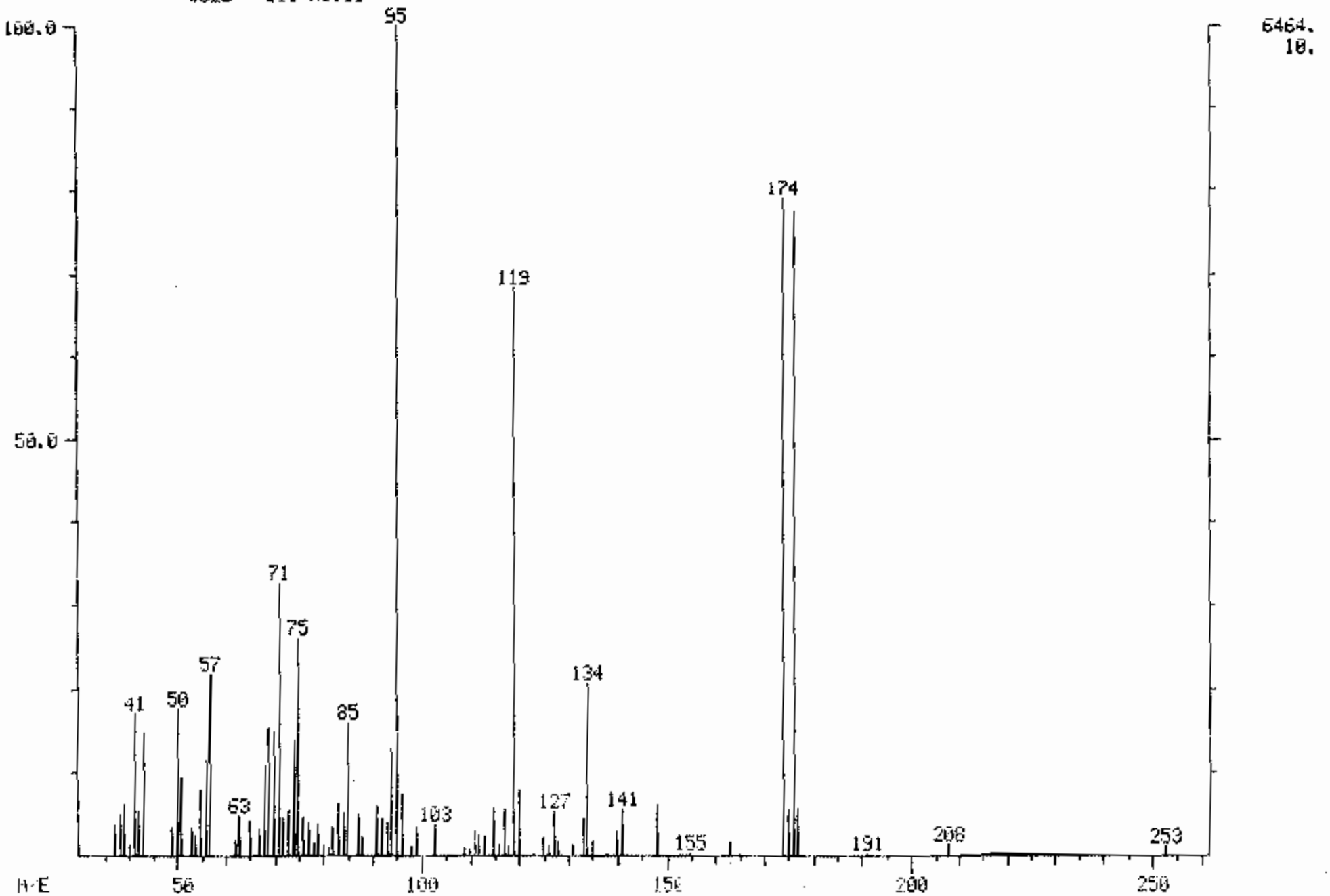
MASS	% RA
37	2.49
38	4.55
45	1.31
50	22.60
51	6.68
61	2.18
62	4.44
63	4.13
67	0.14
68	8.63
73	4.86
74	18.85
75	55.20
76	4.16
78	0.20
79	1.87
80	0.53
81	2.60
87	3.88
88	3.10
91	0.09
92	6.09
93	6.40
94	15.89
95	100.00
96	6.15
109	0.84
110	1.20
111	1.68
117	1.23
118	0.42
119	4.72
120	3.21
128	4.19
131	0.25
137	7.12
139	1.15
147	3.35
148	1.70
165	3.74
168	0.89
174	66.70
175	3.60
176	65.92
177	3.66

COMPUCHEM LABS

MASS SPECTRUM
05/09/85 3:11:00 + 11:13
SAMPLE: 2 UL BFB # 14587
#328 - #50 X1.00

DATA: BF8505@@A12 #328

BASE M/E: 95
RIC: 51200.



COMPUCHEM LABS

MASS LIST DATA: BFB50509A12 # 328 BASE M/E: 95
05/09/85 9:11:00 + 11:12 RIC: 51200.
SAMPLE: 2 UL BFB # 14587
#328 - #50 X1.00

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 6464.
253 # 0 MAXIMA

MASS	% RA	MASS	% RA
37	3.57	110	0.84
38	4.92	111	3.05
39	6.37	112	2.57
40	1.30	113	2.29
41	16.92	115	5.85
42	5.45	116	1.42
43	14.71	117	5.85
49	3.40	118	1.25
50	17.67	119	68.44
51	9.31	120	7.77
53	3.37	123	0.53
54	2.61	125	1.96
55	7.78	126	1.39
56	11.43	127	5.31
57	21.69	129	1.59
61	0.05	131	1.21
62	1.73	133	4.44
63	4.63	134	20.76
65	4.18	135	1.73
67	3.02	138	0.17
68	10.80	140	2.85
69	15.08	141	5.60
70	15.04	148	6.02
71	32.74	155	0.22
72	4.35	163	1.67
73	5.57	165	6.22
74	13.91	166	0.06
75	26.14	174	79.08
76	4.75	175	5.43
77	3.99	176	77.60
78	1.52	177	5.77
79	3.88	191	0.19
80	1.41	208	1.21
81	1.01	253	1.16
82	3.48		
83	6.22		
84	5.34		
85	15.93		
87	5.11		
88	2.34		
91	6.13		
92	4.39		
93	3.99		
94	13.06		
95	100.00		
96	7.35		
98	1.08		
99	3.48		
103	3.73		
109	0.94		

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

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CB856509B11
Sample matrix: liquid
Data Release
Authorized By: _____

Case:
QC Report No: _____
Contract No: 68-01-7017
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 05-09-85
Date analyzed: 05-09-85
Conc/Dil Factor: 1.00
Percent moisture: N/A
Percent moisture (decanted):

pH:

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	4.3	J	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	9.2	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

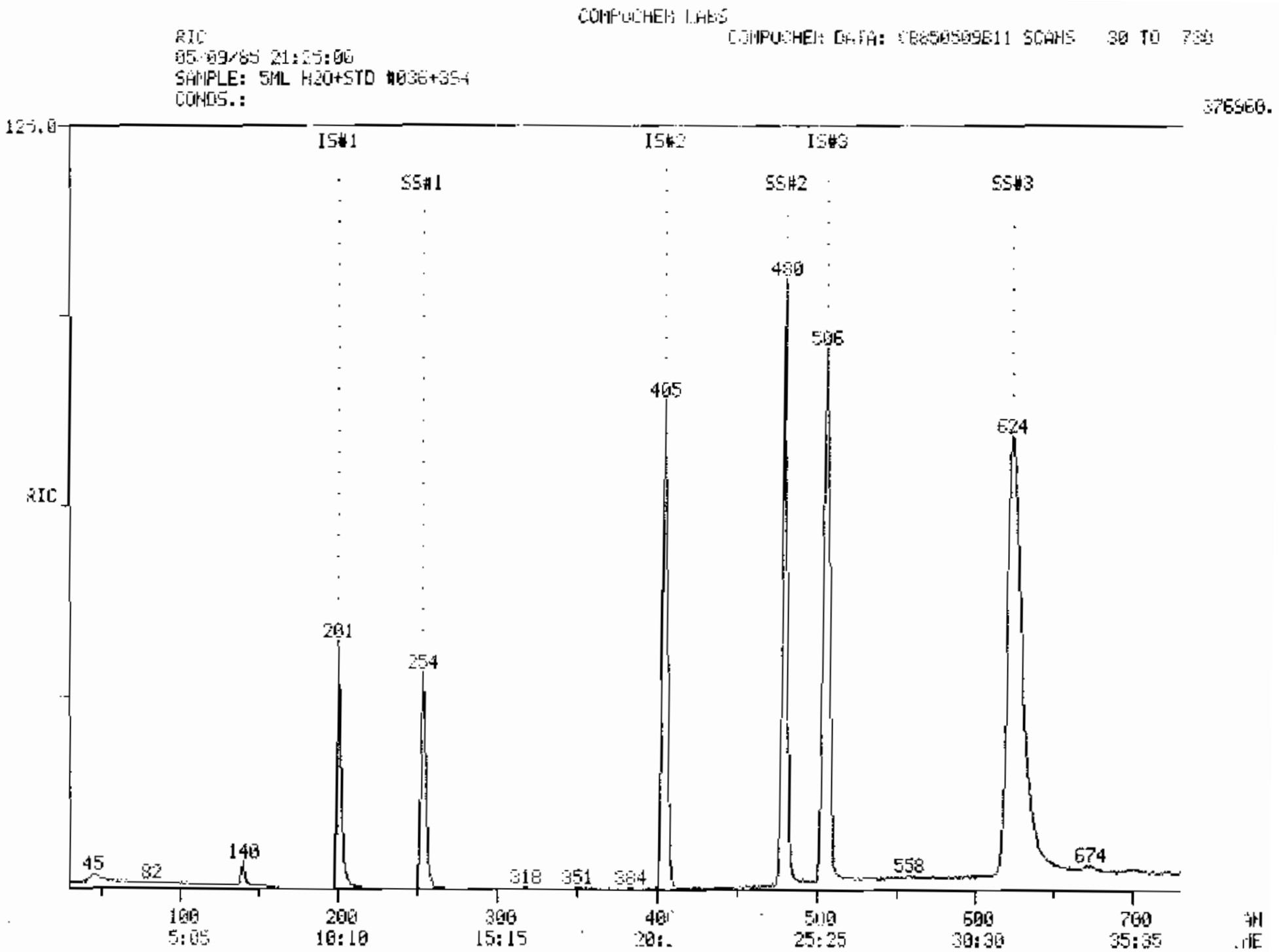
[illegible] Protection Agency. CLP Sample Management Office.
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
INST. 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.	NONE	VOA		
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
05/09/85 21:25:00
SAMPLE: 5ML H2O+STD #036+354
CONDS.:
COMPUCHEM DATA: CB850509B11 SCANS 30 TO 700
376960.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
45
82
140
201
254
318
351
384
405
480
506
558
624
674
100
5:05
200
10:10
300
15:15
400
20:
500
25:25
600
30:30
700
35:35

METHOD: 8237 FILENAME: CB850509B11 DATE: 05/05/85
SHIFT STD: CT850509A11 TIME: 21:25

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
* BROMOCHLOROMETHANE (IS)	67088.	59680.	12	PASS
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	333617.	309280.	8.	PASS
* D5 CHLOROBENZENE(INTERNAL STANDARD)	339512.	322431.	5.	PASS

PROCEDURE: RK DIAGNOSTIC REPORT 5/09/85 22:12:38
DATA FILE: C6B50509E11
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

--- STANDARDS ---				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	1	42	7	1	62	E237S/E23TU

42 COMPOUNDS PROCESSED, 7 FOUND

< COMPOUND ><			SEARCH					SAT ><		CHRO		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA PEAKS
1	E1	1	-199	201	201	.	1	985	.	128	201	. .
2	E2	1	-404	405	405	.	1	994	.	114	405	. 1
3	E3	1	-506	506	506	.	1	977	.	117	506	. 1
4	E1	2	-41	44	.	.	.	.	.	50	.	. .
5	E1	3	-60	63	.	.	.	.	.	94	.	. .
6	E1	4	-76	79	.	.	.	.	.	62	.	.
7	E1	5	-95	98	.	.	.	.	.	64	.	. .
8	E1	6	-137	140	140	.	1	946	.	E4	140	.
9	E1	7	-148	151	.	.	.	.	.	43	152	. 1
10	E1	8	-167	170	.	.	.	.	.	76	.	. .
11	E1	9	-190	193	.	.	.	.	.	96	.	.
12	E1	10	-215	217	.	.	.	.	.	63	.	.
13	E1	11	-230	232	.	.	.	.	.	96	.	
14	E1	12	-240	242	.	.	.	.	.	83	.	. .
15	E1	13	-255	257	.	.	.	.	.	62	.	.
16	E2	2	-253	255	.	.	.	.	.	72	.	
17	E2	3	-281	283	.	.	.	.	.	97	.	. .
3	E2	4	-289	291	.	.	.	.	.	117		
.	E2	5	-291	293	.	.	.	.	.	43	.	.
20	E2	6	-298	300	.	.	.	.	.	83	.	.
21	E2	7	-326	328	.	.	.	.	.	63	.	
22	E2	8	-331	333	.	.	.	.	.	75	.	. .
23	E2	9	-342	343	.	.	.	.	.	130		
24	E2	10	-354	355	.	.	.	.	.	129	.	. .
25	E2	11	-356	357	.	.	.	.	.	97	.	.
26	E2	12	-353	354	.	.	.	.	.	78	355	. 1
27	E2	13	-357	358	.	.	.	.	.	79	.	. .
28	E2	14	-378	379	.	.	.	.	.	63	.	. .
29	E2	15	-402	404	.	.	.	.	.	173	.	
30	E3	2	-419	420	.	.	.	.	.	43	.	. .
31	E3	3	-450	451	.	.	.	.	.	43	451	. 1
32	E3	4	-455	456	.	.	.	.	.	164	.	. .
33	E3	5	-454	455	.	.	.	.	.	83	.	.
34	E3	6	-483	484	.	.	.	.	.	92	483	. 1
35	E3	7	-508	508	.	.	.	.	.	112	.	.
36	E3	8	-558	558	.	.	.	.	.	106	559	. 1
37	E3	9	-665	664	.	.	.	.	.	104	.	. .
38	E3	10	-674	673	.	.	.	.	.	106	673	. 1
39	E3	11	-701	700	.	.	.	.	.	106	700	. 1
40	E4	2	-253	255	254	-1	1	977	.	65	254	. 1
41	E4	3	-624	624	624	.	1	993	.	95	624	. 1
42	E4	4	-479	480	480	.	1	987	.	98	480	. 1

DATA: CB950509B11.TX
05/09/85 21:25:00
SAMPLE: 5ML H2O+STD #036+394
CONDS. :
SUBMITTED BY: 11 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
?	217 1,2-DICHLOROPROPANE
.	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	201	10.13	1	1.000	A BV	67089.	50.000 UG/L	15.67
	50	NOT FOUND							

NO	M/E	SCAN	TIME	RE						
3	94	NOT FOUND								
4	62	NOT FOUND								
5	64	NOT FOUND								
6	84	140	7:07	1	0.697	A BB	9777.	4.338	UG/L	1.36
7	43	152	7:44	1	0.756	A VB	3439.	9.255	UG/L	2.89
8	76	NOT FOUNO								
9	96	NOT FOUND								
10	63	NOT FOUND								
11	96	NDT FOUND								
12	83	NDT FOUND								
13	62	NOT FOUND								
14	114	405	20:35	14	1.000	A BV	333618.	50.000	UG/L	15.62
15	72	NOT FOUND								
16	97	NDT FOUND								
17	117	NOT FOUND								
18	43	N0T 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	76	355	18 03	14	0.877	A BB	457.	0.083	UG/L	0 01
26	75	NOT FOUND								
27	63	NOT FOUND								
28	173	NOT FOUND								
29	117	506	25:43	29	1.000	A BV	339513.	50.000	UG/L	15 62
30	43	NOT FOUND								
31	43	451	22:56	29	0.891	A*VV	1748.	2.400	UG/L	0.75
32	164	NOT FOUND								
33	83	NOT FOUND								
34	92	483	24:33	29	0.955	A BB	1335.	0.310	UG/L	0 10
35	112	NOT FOUND								
36	106	559	28:25	29	1.105	A BB	450.	0.125	UG/L	0.04
37	104	NOT FOUND								
38	106	673	34:13	29	1.330	A*VV	3189.	0.644	UG/L	0.20
39	106	700	35:35	29	1 383	A*VV	2573.	0.600	UG/L	0 19
40	65	254	12:55	1	1.264	A BV	136148.	49.633	UG/L	15.51
41	95	624	31.43	29	1 238	A BB	339857.	51.735	UG/L	16.09
42	98	480	24:24	1	2.388	A BV	398919.	50.964	UG/L	15.92

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:04	1.02	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:05		10.000			50.00		1.788	
3	3:03		10.000			50.00		2.014	
4	3:52		10.000			50.00		1.752	
5	4:50		10.000			50.00		0.978	
6	6:58	1.02	5.000	0.14	4.34	50.00	0.146	1.680	0.09
7	7:31	1.03	10.000	0.08	9.25	50.00	0.051	0.277	0.19
8	8:29		5.000			50.00		2.546	
9	9:39		5.000			50.00		1.075	
10	10:56		5.000			50.00		1.983	
11	11:41		5.000			50.00		1.153	
12	12:12		5.000			50.00		2.753	
13	12:58		5.000			50.00		1.914	
	20:32	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

NO	RET(L)	RATIO	RR1(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
15	12:52		10.000			50.00		0.015	
16	14:17		5.000			50.00		0.416	
17	14:41		5.000			50.00		0.421	
18	14:48		10.000			50.00		0.302	
19	15:09		5.000			50.00		0.484	
20	16:34		5.000			50.00		0.280	
21	16:50		5.000			50.00		0.181	
22	17:23		5.000			50.00		0.432	
23	18:00		5.000			50.00		0.478	
24	18:06		5.000			50.00		0.296	
25	17:57	1.01	5.000	0.18	0.08	50.00	0.001	0.827	0.00
26	18:09		5.000			50.00		0.622	
27	19:13		10.000			50.00		0.122	
28	20:44		5.000			50.00		0.305	
29	25:43	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:18		10.000			50.00		0.174	
31	22:52	1.00	10.000	0.09	2.40	50.00	0.005	0.107	0.05
32	23:08		5.000			50.00		0.437	
33	23:05		5.000			50.00		0.403	
34	24:33	1.00	5.000	0.19	0.31	50.00	0.004	0.635	0.01
35	25:49		5.000			50.00		0.972	
36	28:22	1.00	5.000	0.22	0.13	50.00	0.001	0.530	0.00
37	33:46		5.000			50.00		1.075	
38	34:16	1.00	5.000	0.27	0.64	50.00	0.009	0.729	0.01
39	35:38	1.00	5.000	0.26	0.60	100.00	0.004	0.631	0.01
40	12:52	1.00	10.000	0.13	49.63	50.00	2.029	2.044	0.99
41	31:43	1.00	10.000	0.12	51.74	50.00	1.001	0.967	1.03
42	24:21	1.00	10.000	0.24	50.96	50.00	5.946	5.834	1.01

VOLATILE - MEDIUM OR LOW LEVEL LIQUID

	CC ID#	LAB CDE	COMPOUND NAME	QUANT REPORT VALUE	X	RESULT(*) (UG/L)	DETECTION LIMIT (UG/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	4.3		J	5.0
7	252	___	ACETONE (2-PROPANONE)	9.2		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE			BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE			BDL	5.0
26	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/	___	241 O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	F
40	D4-1,2-DICHLOROETHANE	49.6	50.0	99.0	77-120	X
41	BROMOFLUOROBENZENE	51.7	50.0	103.0	85-121	X
42	DB-TOLUENE	51.0	50.0	102.0	86-119	X

* Advisory surrogate only

++ % recovery = Quant report value / Quant report amount spiked X 100 %

F F

Internal Standard (#1) Bromochloromethane > 10000 Counts ___ ___

Correction Factor Calculation:

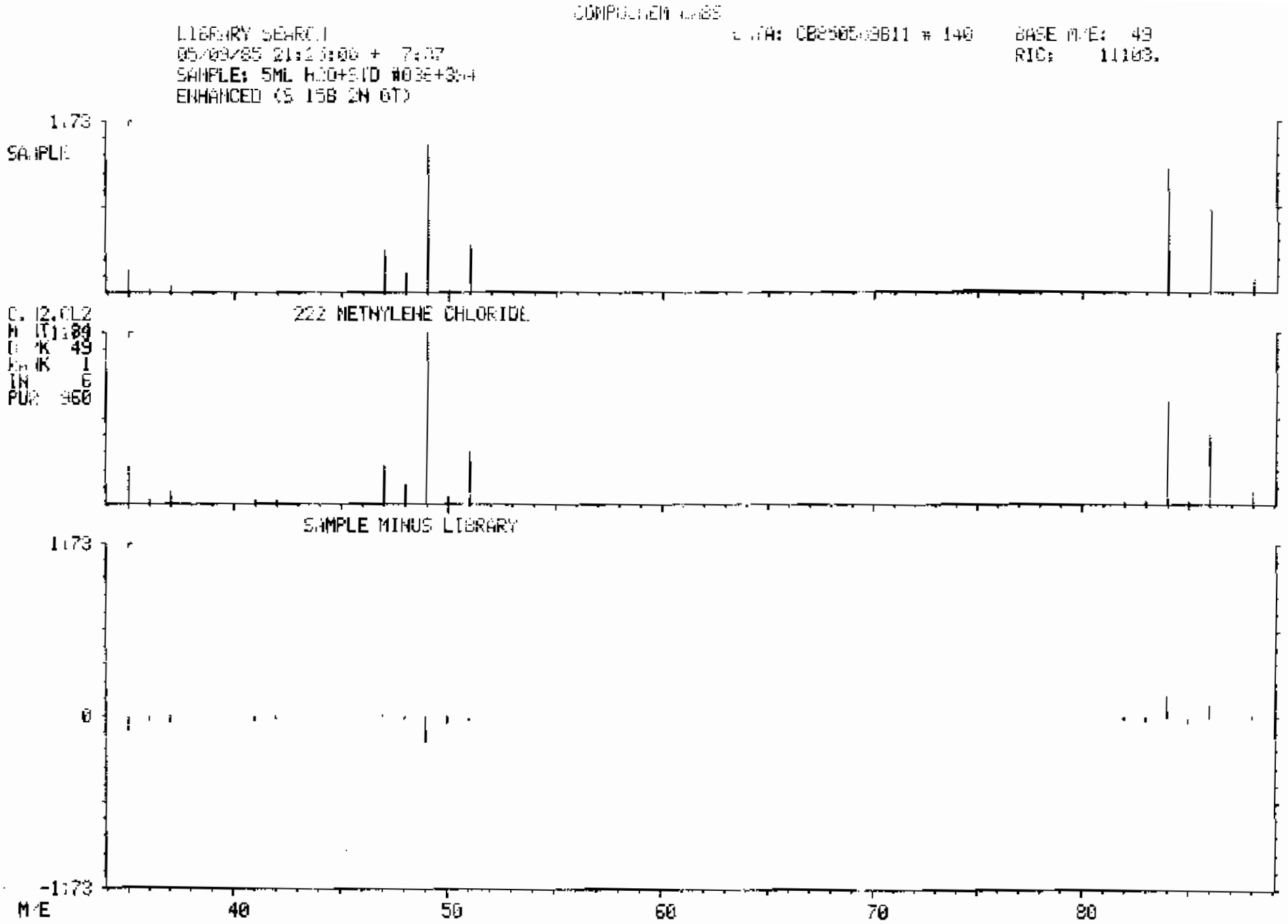
$$\frac{5000 \text{ UL}}{\text{Volume of Sample Purged (UL)}} =$$

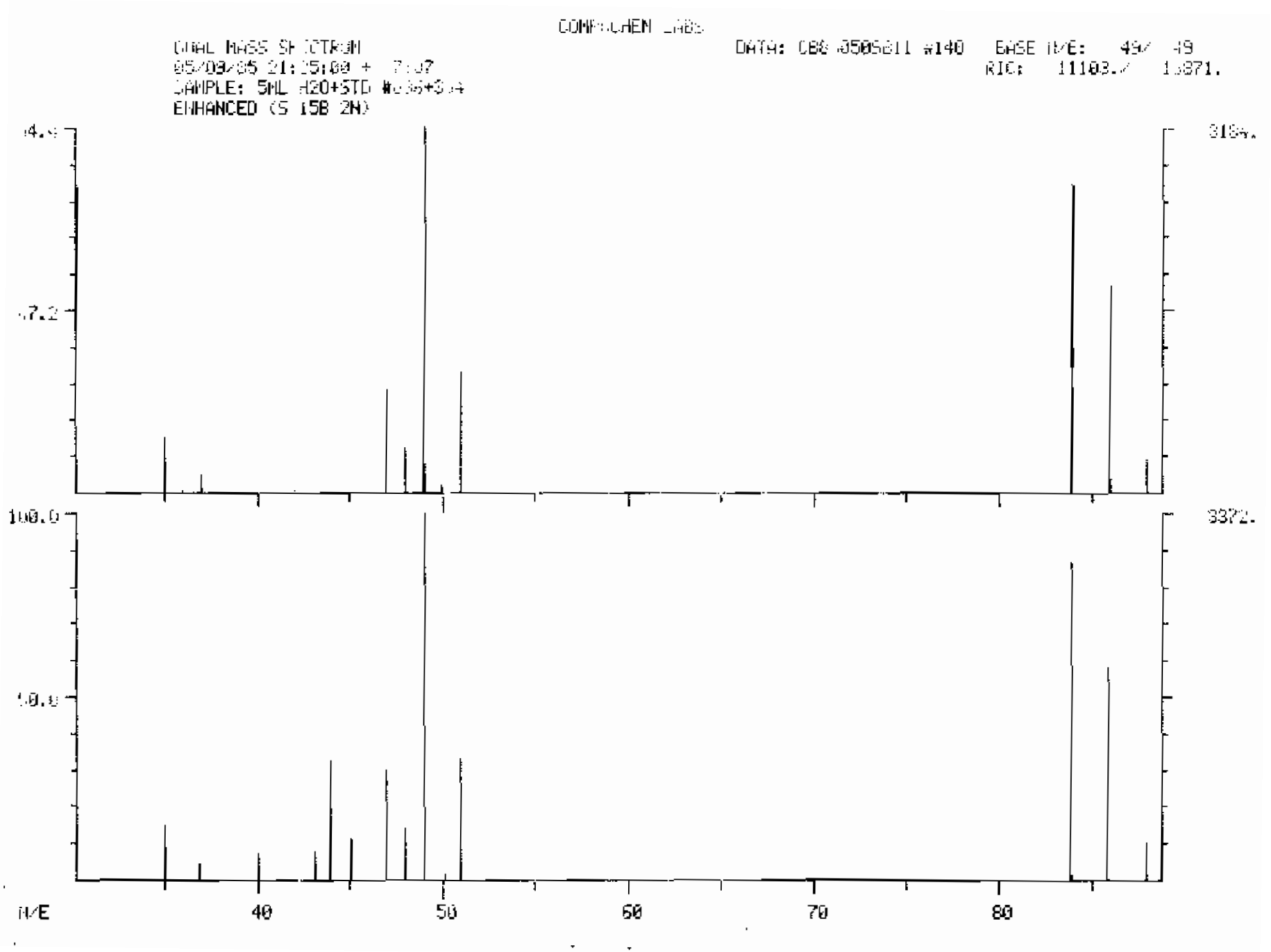
$$\frac{5000 \text{ UL}}{5000. \text{ (UL)}} = 1.000$$

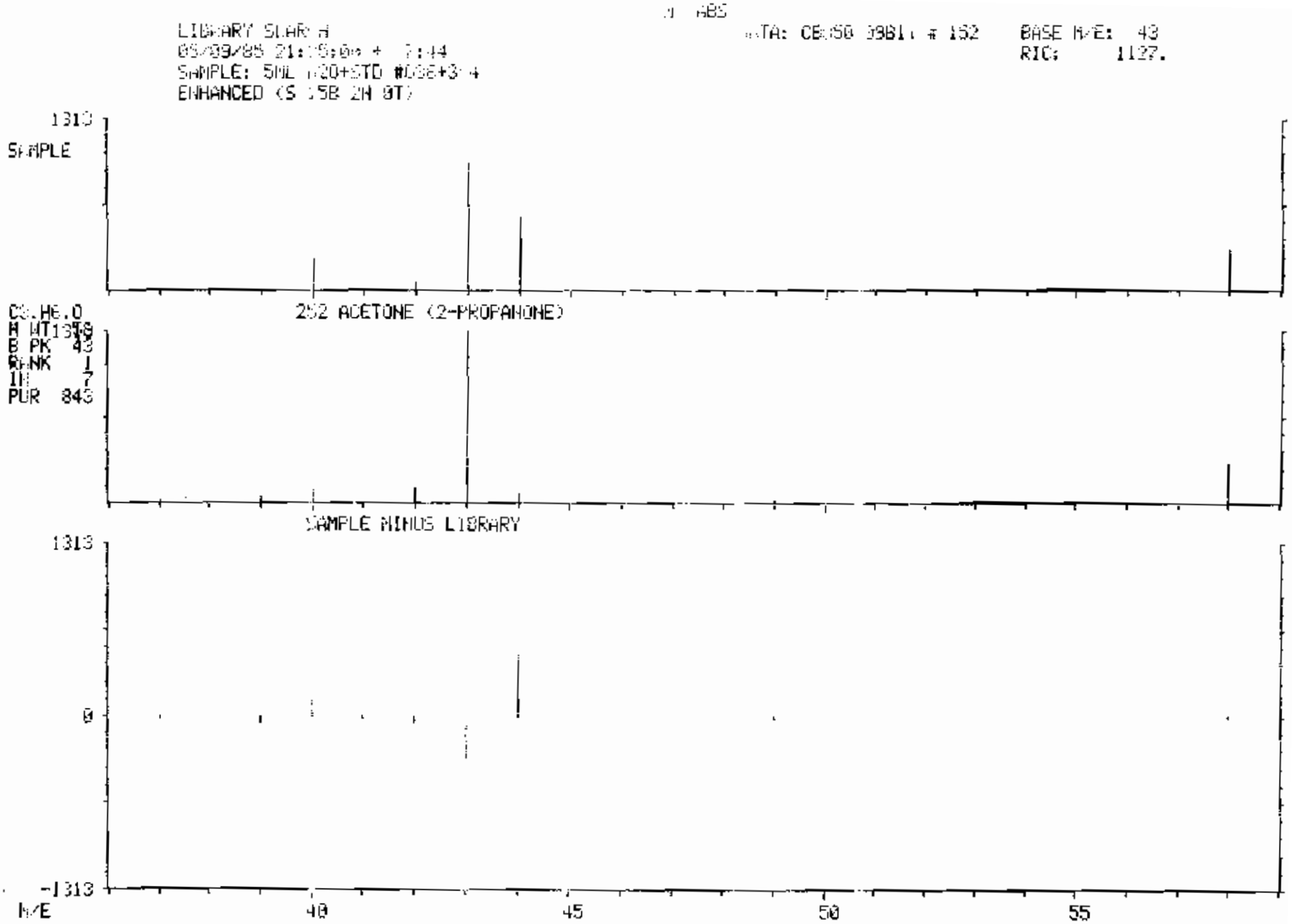
ant Report amount spiked conversion factor:

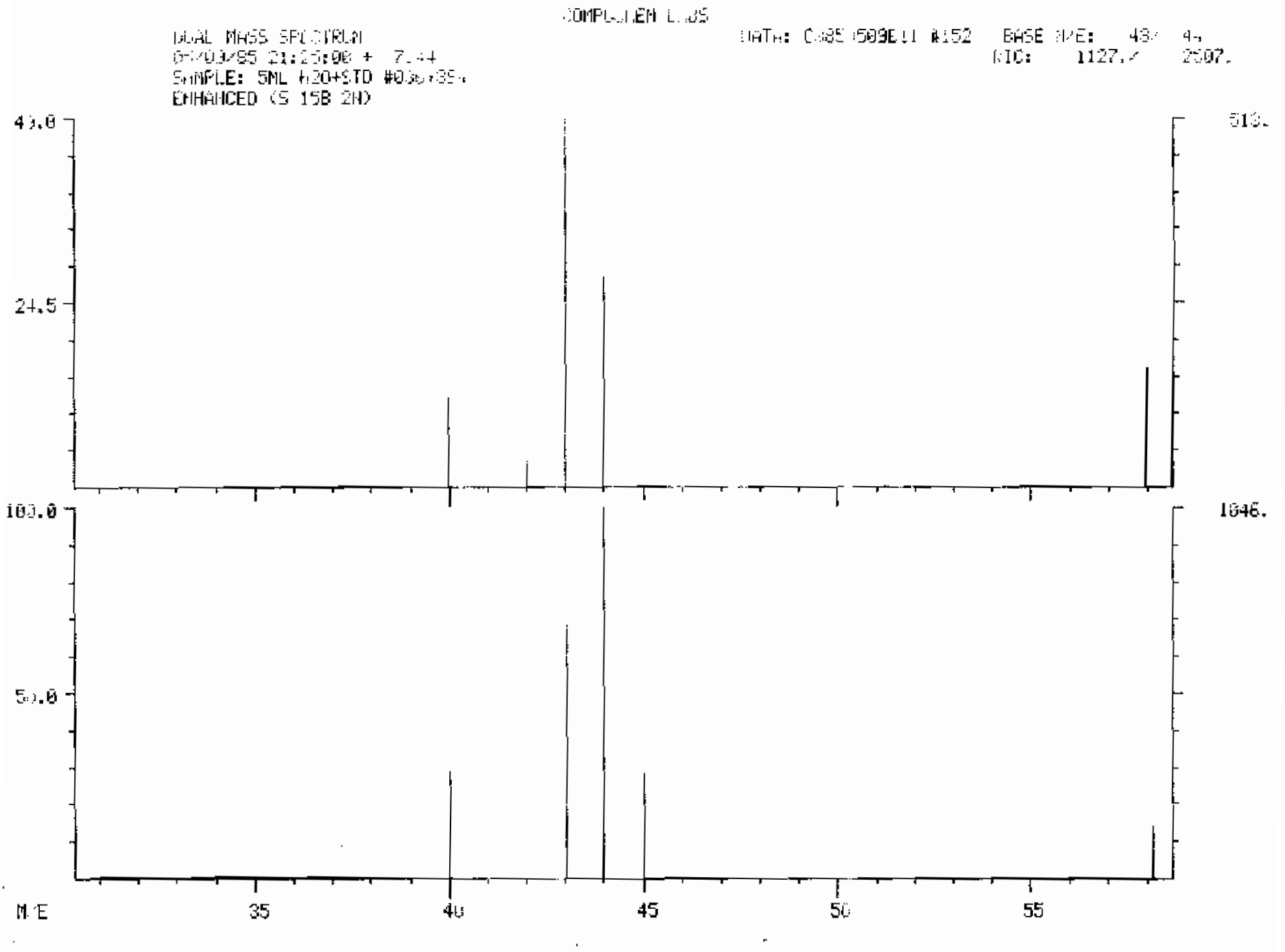
The surrogates are added to the sample prior to sparging

Surrogate spike conversion factor = 1.


COMPUCHEM
LIBRARY SEARCH
05/09/85 21:23:00 + 7:07
SAMPLE: 5ML H2O+STD #03E+3=4
ENHANCED (S 15B 2N 6T)
DATA: CB2505:3B11 # 140
BASE M/E: 49
RIC: 11103.
1.73
SAMPLE
C. 12.CL2
222 METHYLENE CHLORIDE
SAMPLE MINUS LIBRARY
1.73
0
-1.73
M/E
40
50
60
70
80


COMPUCHEM LABS
DATA: CB0 J050811 w140 BASE M/E: 49/ 49
RIC: 11103./ 1.871.
3184.
3372.
M/E
40
50
60
70
80


LIBRARY SEARCH #
05/09/85 21:[illegible] + 7:44
SAMPLE: 5ML (20+STD #[illegible]
ENHANCED (S 15B 2N 0T)
DATA: CB:50 3881 # 152
BASE M/E: 43
RIC: 1127.
ABS
1310
SAMPLE
252 ACETONE (2-PROPANONE)
C3.H6.O
M WT 1358
B PK 43
RANK 1
II 7
PUR 843
SAMPLE MINUS LIBRARY
1313
0
-1313
M/E
40
45
50
55


COMPLEMENT
DUAL MASS SPECTRUM
SAMPLE: 5ML H20+STD
ENHANCED (S 15B 2ND)
BASE M/E:
MIC:
49.0
24.5
100.0
50.0
M/E
35
40
45
50
55

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

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CB850529BL1
Sample matrix: liquid
Data Release
Authorized By: _____

Case:
QC Report No: _____
Contract No: 68-01-7017
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 5-29-85
Date analyzed: 5-29-85
Conc/Dil Factor: 1.00
Percent moisture: N/A
Percent moisture (decanted):
pH:

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	3.8	J	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	10.	U	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

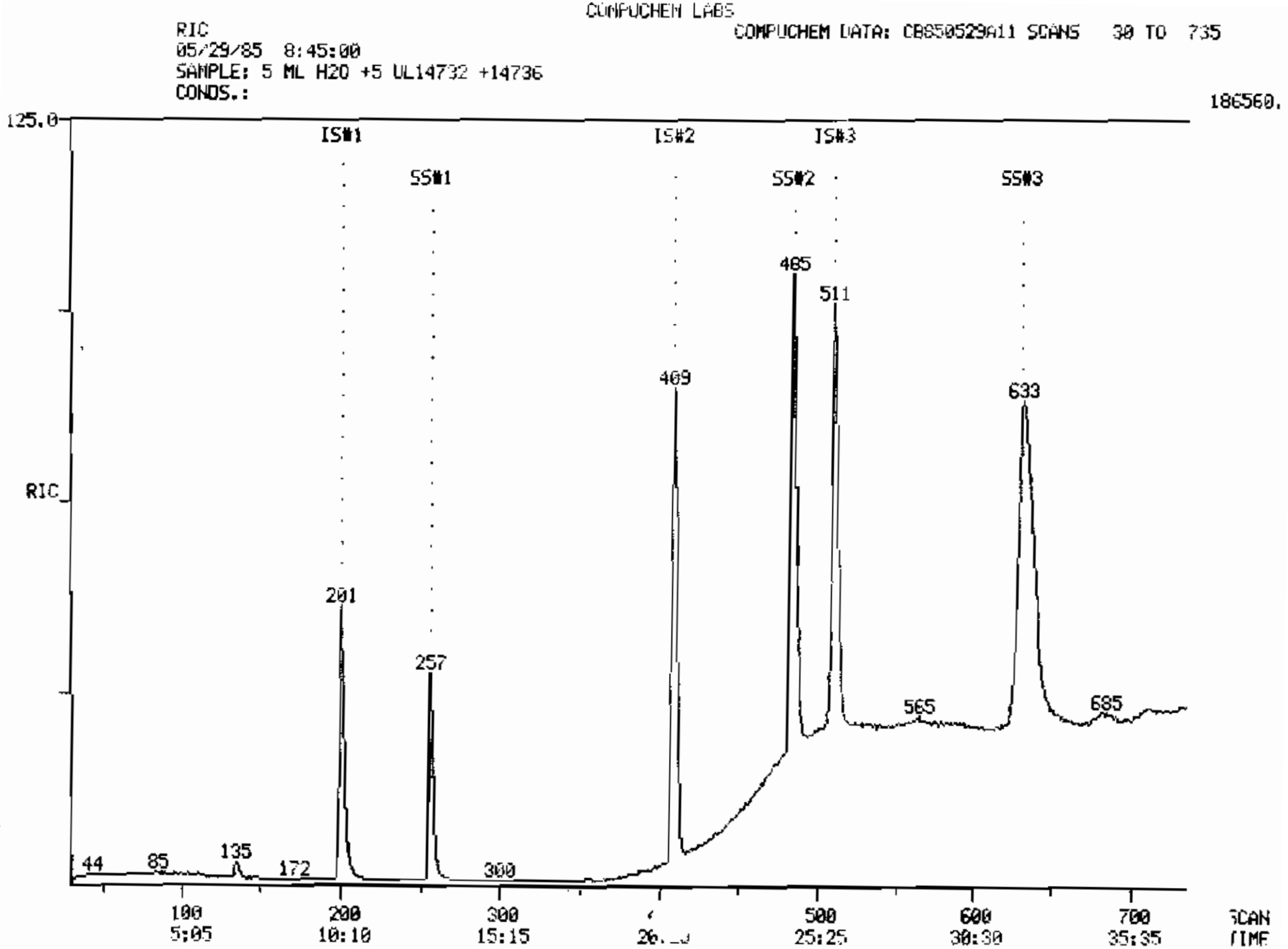
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
INST. 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.	NONE	VOA		
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
05/29/85 8:45:00
SAMPLE: 5 ML H2O +5 UL14732 +14736
CONDS.:
COMPUCHEM DATA: CB850529A11 SCANS 30 TO 735
186560.
125.0
RIC
IS#1
SS#1
IS#2
SS#2
IS#3
SS#3
44
85
135
172
201
257
300
409
485
511
565
633
685
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35
SCAN
TIME

DATA FILE: C8850529A11
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	3	1	28	42	6	1	58	E237S/E237U

42 COMPOUNDS PROCESSED, 6 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SAT SEL	SAT DELTA	SAT PEAKS	CHRO FIT	CHRO PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	E1	1	-200	201	201	.	1	992	.	128	200	-1	1
2	E2	1	-407	409	409	.	1	990	.	114	409	.	1
3	E3	1	-508	511	511	.	1	985	.	117	511	.	1
4	E1	2	-39	39	.	.	.	.	.	50	.	.	.
5	E1	3	-59	59	.	.	.	.	.	94	.	.	
6	E1	4	-75	75	.	.	.	.	.	62	.	.	.
7	E1	5	-95	95	.	.	.	.	.	64	.	.	.
8	E1	6	-138	139	.	.	.	.	.	84	.	.	.
9	E1	7	-150	151	.	.	.	.	.	43	.	.	.
10	E1	8	-169	170	.	.	.	.	.	76	.	.	.
11	E1	9	-192	193	.	.	.	.	.	96	.	.	.
12	E1	10	-218	219	.	.	.	.	.	63	.	.	.
13	E1	11	-232	233	.	.	.	.	.	96	.	.	.
14	E1	12	-242	243	.	.	.	.	.	83	.	.	.
15	E1	13	-257	258	.	.	.	.	.	62	.	.	.
16	E2	2	-256	257	.	.	.	.	.	72	.	.	.
17	E2	3	-284	286	.	.	.	.	.	97	.	.	.
18	E2	4	-292	294	.	.	.	.	.	117	.	.	.
19	E2	5	-294	296	.	.	.	.	.	43	.	.	.
20	E2	6	-300	302	.	.	.	.	.	83	.	.	
21	E2	7	-329	331	.	.	.	.	.	63	.	.	.
22	E2	8	-334	336	.	.	.	.	.	75	.	.	.
23	E2	9	-345	347	.	.	.	.	.	130	.	.	.
24	E2	10	-356	358	.	.	.	.	.	129	.	.	.
25	E2	11	-358	360	.	.	.	.	.	97	.	.	.
26	E2	12	-356	358	.	.	.	.	.	78	.	.	
27	E2	13	-359	361	.	.	.	.	.	75	.	.	.
28	E2	14	-381	383	.	.	.	.	.	63	.	.	.
29	E2	15	-410	413	.	.	.	.	.	173	.	.	.
30	E3	2	-422	425	.	.	.	.	.	43	.	.	.
31	E3	3	-453	456	.	.	.	.	.	43	.	.	.
32	E3	4	-458	461	.	.	.	.	.	164	.	.	.
33	E3	5	-456	459	.	.	.	.	.	83	.	.	.
34	E3	6	-486	489	.	.	.	.	.	92	4E9	.	1
35	E3	7	-511	514	.	.	.	.	.	112	515	.	1
36	E3	8	-561	565	.	.	.	.	.	106	565	.	2
37	E3	9	-669	674	.	.	.	.	.	104	671	.	2
38	E3	10	-677	682	.	.	.	.	.	106	684	.	2
39	E3	11	-705	710	.	.	.	.	.	106	711	.	3
40	E4	2	-255	256	257	1	1	966	.	65	25T	.	1
41	E4	3	-627	631	632	1	1	976	.	95	632	.	1
42	E4	4	-482	485	485	.	1	988	.	98	485	.	1

QUANTITATION REPORT FILE: CB850529A11

DATA: CB850529A11.TI
05/29/85 8:45:00
SAMPLE: 5 ML H20 +5 UL14732 +14736
 ONDS. :
SUBMITTED BY: 11 ANALYST: 577

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

NO	NAME
1	* BROMOCHLOROMETHANE (I5)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENIENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
21	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	200	10:10	1	1.000	A BV	38736.	50.000 UG/L	16.77
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	135	6:52	1	0.675	A BB	4099.	3.851 UG/L	1.29
7	43	NOT FOUND							
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	409	20:47	14	1.000	A BB	166053.	50.000 UG/L	16.77
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	511	25:59	29	1.000	A BB	136330.	50.000 UG/L	16.77
30	43	NOT FOUND							
31	43	NOT FOUND							
?	164	NOT FOUND							
3	83	NOT FOUND							
34	92	489	24:51	29	0.957	A BB	2357.	1.189 UG/L	0.41
35	112	515	26:11	29	1.008	A VB	1446.	0.533 UG/L	0.19
36	106	565	28:43	29	1.106	A BB	1238.	0.989 UG/L	0.33
37	104	671	34:07	29	1.313	A*BV	2289.	0.742 UG/L	0.25
38	106	684	34:46	29	1.339	A*BB	4333.	2.326 UG/L	0.78 BD
39	106	711	36:09	29	1.391	A*BV	3395.	2.063 UG/L	0.69
40	65	257	13:04	1	1.285	A BB	78693.	45.060 UG/L	15.11
41	95	632	32:08	29	1.237	A BB	119990.	46.776 UG/L	15.69
42	98	485	24:39	1	2.425	A BB	154919.	44.718 UG/L	15.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:10	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:59		10.000			50.00		1.328	
3	3:00		10.000			50.00		1.773	
4	3:49		10.000			50.00		1.230	
5	4:50		10.000			50.00		0.672	
6	7:01	0.98	5.000	0.13	3.85	50.00	0.106	1.374	0.08
7	7:37		10.000			50.00		0.286	
8	8:35		5.000			50.00		3.829	
9	9:46		5.000			50.00		1.245	
10	11:05		5.000			50.00		2.250	
11	11:48		5.000			50.00		1.287	
12	12:18		5.000			50.00		3.301	
13	13:04		5.000			50.00		2.193	
	20:41	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	13:01		10.000			50.00		0.027	
16	14:26		5.000			50.00		0.621	
17	14:51		5.000			50.00		0.619	
8	14:57		10.000			50.00		0.536	
19	15:15		5.000			50.00		0.699	
20	16:43		5.000			50.00		0.322	
21	16:59		5.000			50.00		0.215	
22	17:32		5.000			50.00		0.419	
23	18:06		5.000			50.00		0.574	
24	18:12		5.000			50.00		0.352	
25	18:06		5.000			50.00		0.872	
26	18:15		5.000			50.00		0.677	
27	19:22		10.000			50.00		0.165	
28	20:50		5.000			50.00		0.306	
29	25:49	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:27		10.000			50.00		0.268	
31	23:02		10.000			50.00		0.165	
32	23:17		5.000			50.00		0.440	
33	23:11		5.000			50.00		0.439	
34	24:42	1.01	5.000	0.19	1.19	50.00	0.017	0.727	0.02
35	25:59	1.01	5.000	0.20	0.53	50.00	0.011	0.997	0.01
36	28:31	1.01	5.000	0.22	0.99	50.00	0.007	0.459	0.02
37	34:00	1.00	5.000	0.26	0.74	50.00	0.017	1.131	0.01
38	34:25	1.01	5.000	0.27	2.33	50.00	0.032	0.683	0.05
39	35:50	1.01	5.000	0.28	2.06	100.00	0.012	0.604	0.02
40	12:58	1.01	10.000	0.13	45.06	50.00	2.032	2.254	0.90
41	31:52	1.01	10.000	0.12	46.78	50.00	0.880	0.941	0.94
42	24:30	1.01	10.000	0.24	44.72	50.00	3.999	4.472	0.89

METHOD: E237 FILENAME: CB850529A11 DATE: 05/29/85
SHIFT STD: CT850523A11 TIME: 8:45

COMPOUND	PEAK AREA SAMPLE	PEAK AREA SHIFT STD	%DIFF	P/F
* BROMOCHLOROMETHANE (IS)	38735.	61084.	-36.	PASS
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	166052.	250241.	-33.	PASS
* 05 CHLOROBENZENE(INTERNAL STANDARD)	136330.	207162.	-33.	PASS

Volatile - Medium or Low Level Liquid

	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result (#) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	3.8		J	5.0
7	252	___	ACETONE (2-PROPANONE)			BDL	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE			BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE			BDL	5.0
26	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE	~~2.9~~		DDL	5.0
39	240/241	___	O- & P-XYLENE			BDL	5.0

CompuChem # 850529 File: CBB50529A11 Compound List 145 Part

Volatile - Medium or Low Level Liquid

No	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P
40		D4-1,2-DICHLOROETHANE	45.0	50.0	90.0	77-120	X
41		BROMOFLUOROBENZENE	46.8	50.0	94.0	85-121	X
42		DB-TOLUENE	44.7	50.0	89.0	86-119	X

* Advisory surrogate only

++ % recovery = Quant report value / Quant report amount spiked X 100 %

P P

Internal Standard (#1) Bromochloromethane > 10000 Counts

Correction Factor Calculation:

$$\frac{5000 \text{ uL}}{\text{Volume of Sample Purged (uL)}} =$$

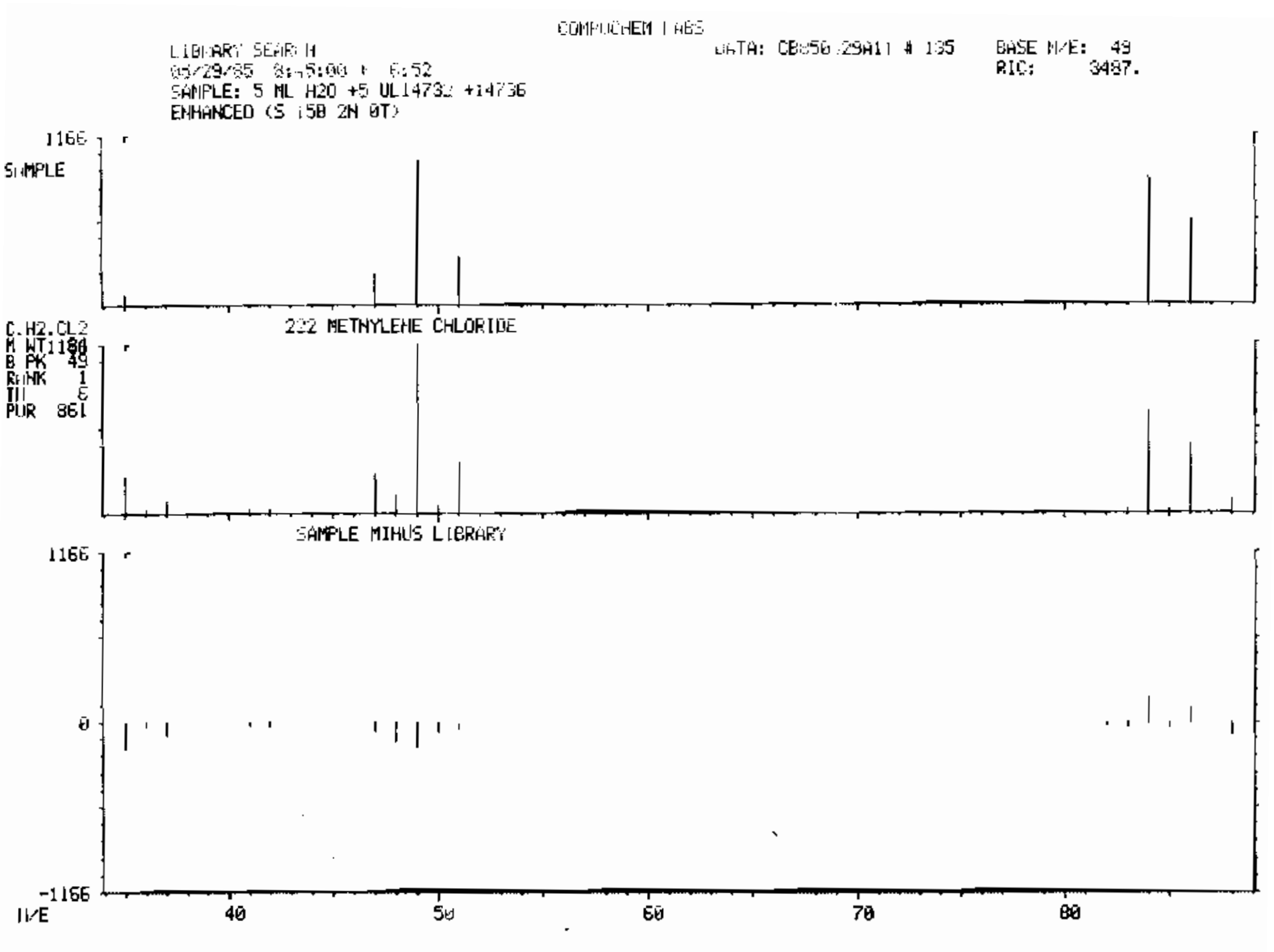
$$\frac{5000 \text{ uL}}{5000. \text{ (uL)}} = 1.000$$

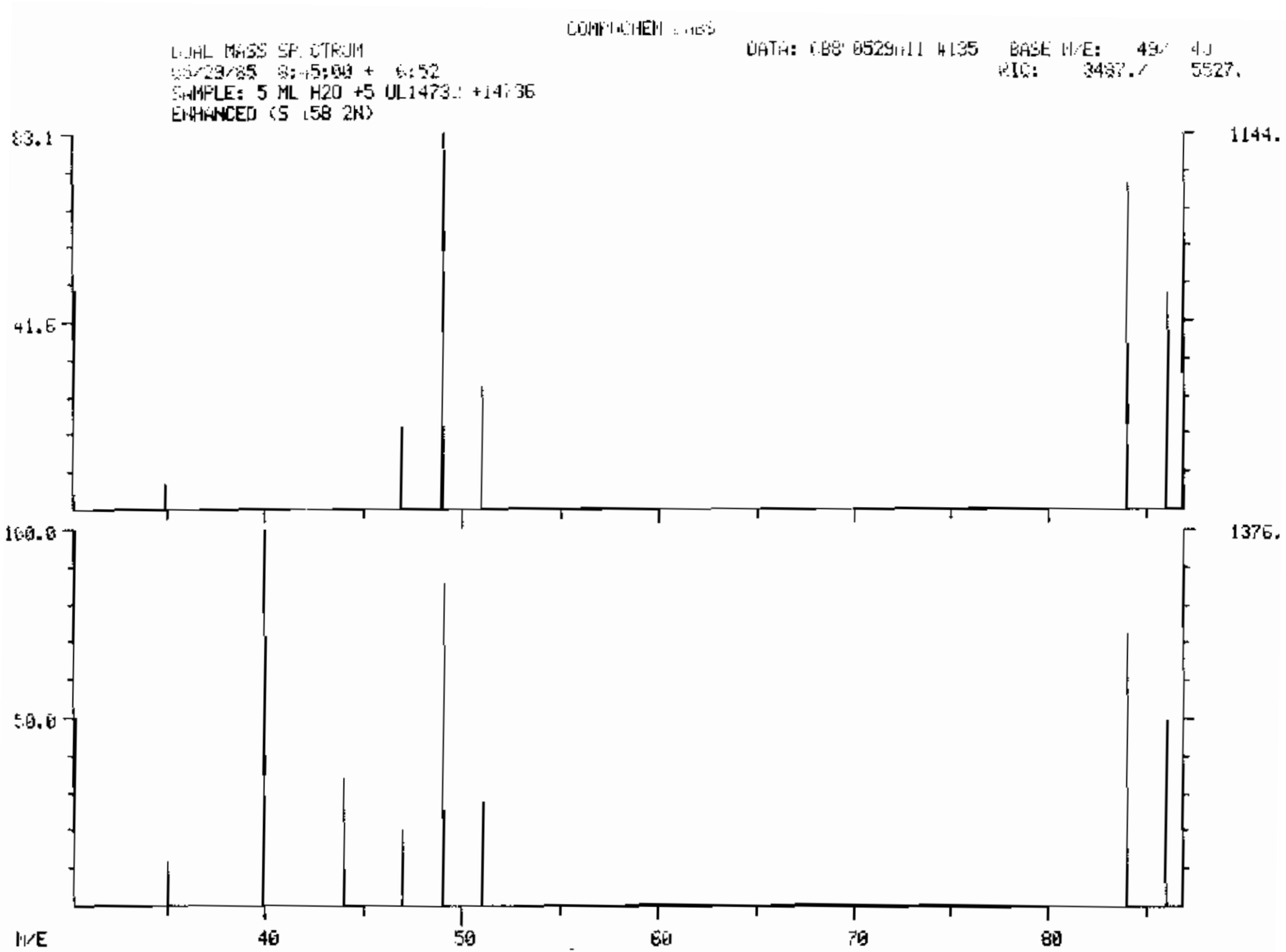
Quant Report amount spiked conversion factor:

The surrogates are added to the sample prior to sparging.

Surrogate spike conversion factor = 1.

Version


COMPUCHEM LABS
LIBRARY SEARCH
05/29/85 8:45:00 A 6:52
SAMPLE: 5 ML H20 +5 UL14732 +14736
ENHANCED (S 15B 2N 0T)
DATA: CB050:29A11 # 135
BASE M/E: 49
RIC: 3487.
1166
SAMPLE
C.H2.CL2
M WT1180
B PK 49
RANK 1
TH 6
PUR 861
222 METNYLENE CHLORIDE
SAMPLE MINUS LIBRARY
1166
0
-1166
M/E
40
50
60
70
80


COMPUCHEM
DUAL MASS SPECTRUM
05/29/85 8:45:09 + 6:52
SAMPLE: 5 ML H2O +5 UL1473 +14736
ENHANCED (S 58 2N)
DATA: C88 0529T11 #135
BASE M/E: 49
MIC: 3487.
5527.
83.1
41.6
1144.
100.0
50.0
1376.
M/E
40
50
60
70
80

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

Sample Number
INSTRUMENT BLANK

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CCB850509A12
Sample matrix: liquid
Data Release
Authorized By: _____

Case:
QC Report No: _____
Contract No: 68-01-7017
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 05-09-85
Date analyzed: 05-09-85
Conc/Dil Factor: 1.00
Percent moisture: N/A
Percent moisture (decanted):
pH:

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	3.7	J	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	10.	U	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

[illegible] Protection Agency. CLP Sample Management Office.
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
INST. 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.	NONE	VOA		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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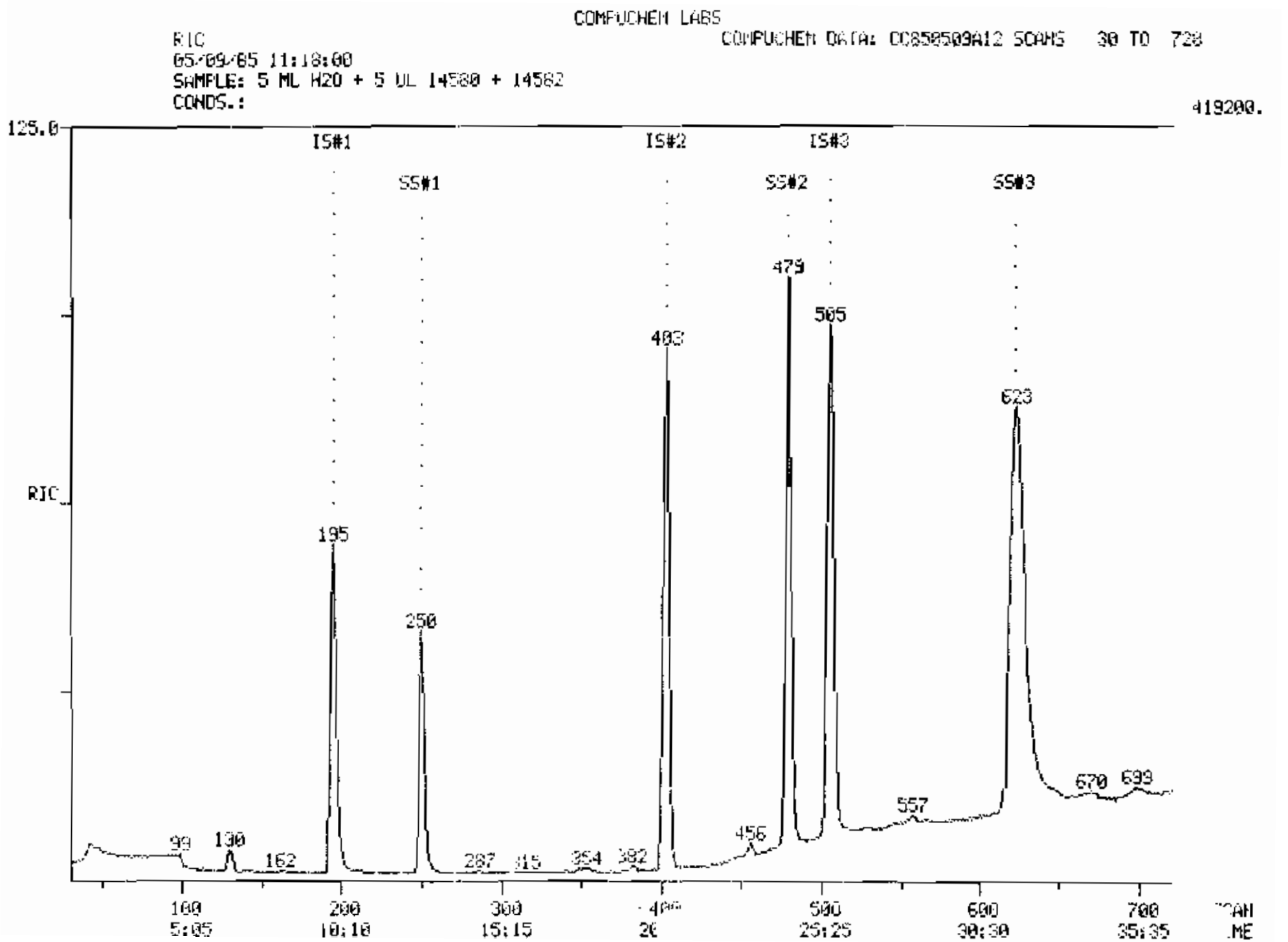
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				


COMPUCHEM LABS
RIC
COMPUCHEM DATA: CC850509A12 SCANS 30 TO 720
05/09/85 11:18:00
SAMPLE: 5 ML H20 + 5 UL 14580 + 14582
CONDS.:
419200.
125.0
IS#1
SS#1
IS#2
IS#3
SS#2
SS#3
479
505
403
623
195
250
RIC
99
130
162
287
315
354
382
456
557
670
699
100
5:05
200
10:10
300
15:15
500
25:25
600
30:30
700
35:35

PROCEDURE: RK DIAGNOSTIC REPORT 5/07/85 11:32:53
DATA FILE: CC850507A12
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

--- STANDARDS ---				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	FOSS	RMS	PROC	USED	FOSS	RMS	STANDARD/UNKNOWN
3	3	1	53	42	7	1	87	E237S/E23TU

42 COMPOUNDS PROCESSED, 7 FOUND

< COMPOUND ><			---------- SEARCH ----------					>< SAT ><		------ CHRO ------			
NO	LIB	ENTRY	REF	FRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOF	DELTA	PEAKS
1	E1	1	-197	195	195	.	1	970	.	128	195	.	.
2	E2	1	-403	403	403	.	1	997	.	114	403	.	1
3	E3	1	-505	505	505	.	1	984	.	117	505	.	1
4	E1	2	-38	35	.	.	.	.	.	50	.	.	
5	E1	3	-57	54	.	.	.	.	.	94	.	.	
6	E1	4	-72	69	.	.	.	.	.	62	.	.	
7	E1	5	-91	88	.	.	.	.	.	64	.	.	
8	E1	6	-134	131	130	-1	1	931	.	84	130	.	1
9	E1	7	-145	142	.	.	.	.	.	43	142	.	1
10	E1	8	-165	163	.	.	.	.	.	76	163	.	1
11	E1	9	-188	186	.	.	.	.	.	96	.	.	
12	E1	10	-213	211	.	.	.	.	.	63	213	.	1
13	E1	11	-227	225	.	.	.	.	.	96	.	.	
14	E1	12	-238	236	.	.	.	.	.	83	238	.	1
15	E1	13	-253	251	.	.	.	.	.	62	.	.	
16	E2	2	-251	249	.	.	.	.	.	72	251	.	1
17	E2	3	-280	278	.	.	.	.	.	97	279	.	1
18	E2	4	-288	286	.	.	.	.	.	117	287	.	1
19	E2	5	-290	288	.	.	.	.	.	43	.	.	
20	E2	6	-297	295	.	.	.	.	.	83	297	.	1
21	E2	7	-325	324	.	.	.	.	.	63	.	.	
22	E2	8	-330	329	.	.	.	.	.	75	.	.	
23	E2	9	-341	340	.	.	.	.	.	130	341	.	1
24	E2	10	-353	352	.	.	.	.	.	129	353	.	1
25	E2	11	-355	354	.	.	.	.	.	97	355	.	1
26	E2	12	-352	351	.	.	.	.	.	78	352	.	1
27	E2	13	-356	355	.	.	.	.	.	75	354	.	1
28	E2	14	-378	377	.	.	.	.	.	63	.	.	
29	E2	15	-408	407	.	.	.	.	.	173	408	.	1
30	E3	2	-419	418	.	.	.	.	.	43	419	.	1
31	E3	3	-450	450	.	.	.	.	.	43	.	.	
32	E3	4	-456	456	.	.	.	.	.	164	456	.	1
33	E3	5	-454	454	.	.	.	.	.	83	454	.	1
34	E3	6	-483	483	.	.	.	.	.	92	483	.	1
35	E3	7	-508	508	.	.	.	.	.	112	508	.	1
36	E3	8	-557	557	.	.	.	.	.	106	558	.	1
37	E3	9	-662	663	.	.	.	.	.	104	663	.	1
38	E3	10	-670	671	.	.	.	.	.	106	671	.	1
39	E3	11	-697	698	.	.	.	.	.	106	699	.	1
40	E4	2	-251	249	250	1	1	978	.	65	250	.	1
41	E4	3	-622	623	622	-1	1	995	.	95	622	.	1
42	E4	4	-479	479	479	.	1	988	.	98	479	.	1

QUANTITATION REPORT FILE: CCB50509A12

DATA: CCB50509A12.TI
05/09/85 11:18:00
SAMPLE: 5 ML H2O + 5 UL 14580 + 14582
CONDS. :
  BMITTED BY: 12 ANALYST: 577

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENIENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	217 1,2-DICHLOROPROPANE
1	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	195	9:55	1	1.000	A BB	133942.	50.000 UG/L	15.6E
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	0.667	A BB	11316.	3.769 UG/L	1.18
7	43	142	7:13	1	0.728	A BV	2514.	4.338 UG/L	1.36
8	76	163	8:17	1	0.836	A BB	2228.	0.265 UG/L	0.08
9	96	NOT FOUND							
10	63	213	10:50	1	1.092	A BB	508.	0.102 UG/L	0.03
11	96	NOT FOUND							
12	83	238	12:06	1	1.221	A BB	1404.	0.216 UG/L	0.07
13	62	NOT FOUND							
14	114	403	20:29	14	1.000	A BV	492578.	50.000 UG/L	15.62
15	72	251	12:46	14	0.623	A BB	1310.	5.410 UG/L	1.67
16	97	279	14:11	14	0.692	A BB	927.	0.183 UG/L	0.06
17	117	287	14:35	14	0.712	A BB	1303.	0.242 UG/L	0.08
18	43	NOT FOUND							
19	83	297	15:06	14	0.737	A BB	882.	0.150 UG/L	0.05
20	63	NOT FOUND							
21	75	NOT FOUND							
22	130	341	17:20	14	0.846	A BB	1082.	0.224 UG/L	0.07
23	129	353	17:57	14	0.876	A BB	923.	0.173 UG/L	0.05
24	97	355	18:03	14	0.881	A BB	1076.	0.361 UG/L	0.11
25	76	352	17:54	14	0.873	A BB	5577.	0.837 UG/L	0.26
26	75	356	18:06	14	0.883	A BB	2083.	0.332 UG/L	0.10
27	63	NOT FOUND							
28	173	408	20:44	14	1.012	A BB	1766.	0.384 UG/L	0.12
29	117	505	25:40	29	1.000	A BB	458666.	50.000 UG/L	15.62
30	43	419	21:18	29	0.830	A BB	3483.	1.313 UG/L	0.41
31	43	NOT FOUND							
32	164	456	23:11	29	0.903	A BB	1937.	0.392 UG/L	0.12
3	63	454	23:05	29	0.899	A BB	3149.	0.707 UG/L	0.22
34	92	483	24:33	29	0.956	A BB	3731.	0.695 UG/L	0.22
35	112	508	25:49	29	1.006	A VB	5780.	0.662 UG/L	0.21
36	106	558	28:22	29	1.105	A BB	3422.	0.736 UG/L	0.23
37	104	663	33:42	29	1.313	A BV	6556.	0.583 UG/L	0.18
38	106	671	34:07	29	1.329	A BB	9847.	0.931 UG/L	0.29
39	106	699	35:32	29	1.384	A BB	11557.	1.913 UG/L	0.60
40	65	250	12:42	1	1.282	A BB	202222.	48.732 UG/L	15.23
41	95	622	31:37	29	1.232	A BB	356577.	48.397 UG/L	15.12
42	98	479	24:21	1	2.456	A BB	458088.	48.024 UG/L	15.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:01	0.99	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:56		10.000			50.00		0.880	
3	2:54		10.000			50.00		1.474	
4	3:40		10.000			50.00		1.198	
5	4:38		10.000			50.00		0.626	
6	6:49	0.97	5.000	0.13	3.77	50.00	0.084	1.121	0.08
7	7:22	0.98	10.000	0.07	4.34	50.00	0.019	0.216	0.09
8	8:23	0.99	5.000	0.17	0.27	50.00	0.017	3.133	0.01
9	9:33		5.000			50.00		1.062	
10	10:53	1.00	5.000	0.22	0.10	50.00	0.004	1.852	0.00
11	11:35		5.000			50.00		1.077	
12	12:09	1.00	5.000	0.24	0.22	50.00	0.010	2.421	0.00
13	12:55		5.000			50.00		1.550	
1	20:32	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	12:49	1.00	10.000	0.06	5.41	50.00	0.003	0.025	0.11
16	14:17	0.99	5.000	0.14	0.18	50.00	0.002	0.515	0.00
17	14:41	0.99	5.000	0.14	0.24	50.00	0.003	0.546	0.00
18	14:44		10.000			50.00		0.417	
19	15:09	1.00	5.000	0.15	0.15	50.00	0.002	0.596	0.00
20	16:34		5.000			50.00		0.335	
21	16:50		5.000			50.00		0.234	
22	17:23	1.00	5.000	0.17	0.22	50.00	0.002	0.490	0.00
23	18:00	1.00	5.000	0.18	0.17	50.00	0.002	0.541	0.00
24	18:06	1.00	5.000	0.18	0.36	50.00	0.002	0.303	0.01
25	17:57	1.00	5.000	0.17	0.84	50.00	0.011	0.676	0.02
26	18:09	1.00	5.000	0.18	0.33	50.00	0.004	0.638	0.01
27	19:13		10.000			50.00		0.190	
28	20:44	1.00	5.000	0.20	0.38	50.00	0.004	0.467	0.01
29	25:43	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:18	1.00	10.000	0.08	1.31	50.00	0.008	0.289	0.03
31	22:56		10.000			50.00		0.186	
32	23:11	1.00	5.000	0.18	0.39	50.00	0.004	0.538	0.01
33	23:08	1.00	5.000	0.18	0.71	50.00	0.007	0.486	0.01
34	24:36	1.00	5.000	0.19	0.70	50.00	0.008	0.585	0.01
35	25:52	1.00	5.000	0.20	0.66	50.00	0.013	0.952	0.01
36	28:22	1.00	5.000	0.22	0.74	50.00	0.007	0.507	0.01
37	33:42	1.00	5.000	0.26	0.58	50.00	0.014	1.226	0.01
38	34:10	1.00	5.000	0.27	0.93	50.00	0.013	0.685	0.02
39	35:29	1.00	5.000	0.28	1.91	100.00	0.013	0.659	0.02
40	12:49	0.99	10.000	0.13	48.73	50.00	1.510	1.549	0.97
41	31:40	1.00	10.000	0.12	48.40	50.00	0.777	0.803	0.97
42	24:24	1.00	10.000	0.25	48.02	50.00	3.420	3.561	0.96

internal standard monitor

file

	sample	shift std	% Diff	P/F
Bromochloromethane	133942	135458	1	Pass
difluorobenzene	492578	512685	4	Pass
D5 chlorobenzene	458666	467399	2	Pass

Volatile - Medium or Low Level Liquid

No.	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	3.7		J	5.0
7	252	___	ACETONE (2-PROPANONE)			BDL	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
14	253	___	2-BUTANONE	5.4		BDL	10.0
15	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
16	206	___	CARBON TETRACHLORIDE			BDL	5.0
17	257	___	VINYL ACETATE			BDL	10.0
18	212	___	BROMODICHLOROMETHANE			BDL	5.0
19	217	___	1,2-DICHLOROPROPANE			BDL	5.0
20	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
21	229	___	TRICHLOROETHYLENE			BDL	5.0
22	208	___	CHLORODIBROMOMETHANE			BDL	5.0
23	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
24	203	___	BENZENE			BDL	5.0
25	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
26	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
27	205	___	BROMOFORM			BDL	5.0
28	255	___	2-HEXANONE			BDL	10.0
29	256	___	4-METHYL-2-PENTANONE			BDL	10.0
30	224	___	TETRACHLOROETHENE			BDL	5.0
31	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
32	225	___	TOLUENE			BDL	5.0
33	207	___	CHLOROBENZENE			BDL	5.0
34	219	___	ETHYLBENZENE			BDL	5.0
35	251	___	STYRENE			BDL	5.0
36	239	___	M-XYLENE			BDL	5.0
37	240/241	___	O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	F	F
40	D4-1,2-DICHLOROETHANE	48.7	50.0	97.0	77-120	X	
41	BROMOFLUOROBENZENE	48.4	50.0	97.0	85-121	X	
42	DB-TOLUENE	48.0	50.0	96.0	86-119	X	

* Advisory surrogate only
++ % recovery = Quant report value / Quant report amount spiked X 100 %

F F

Internal Standard (#1) Bromochloromethane > 10000 Counts ___ ___

Correction Factor Calculation:

5000 ul
---------- =
Volume of Sample Purged (ul)

5000 ul
---------- = 1.000
5000. (ul)

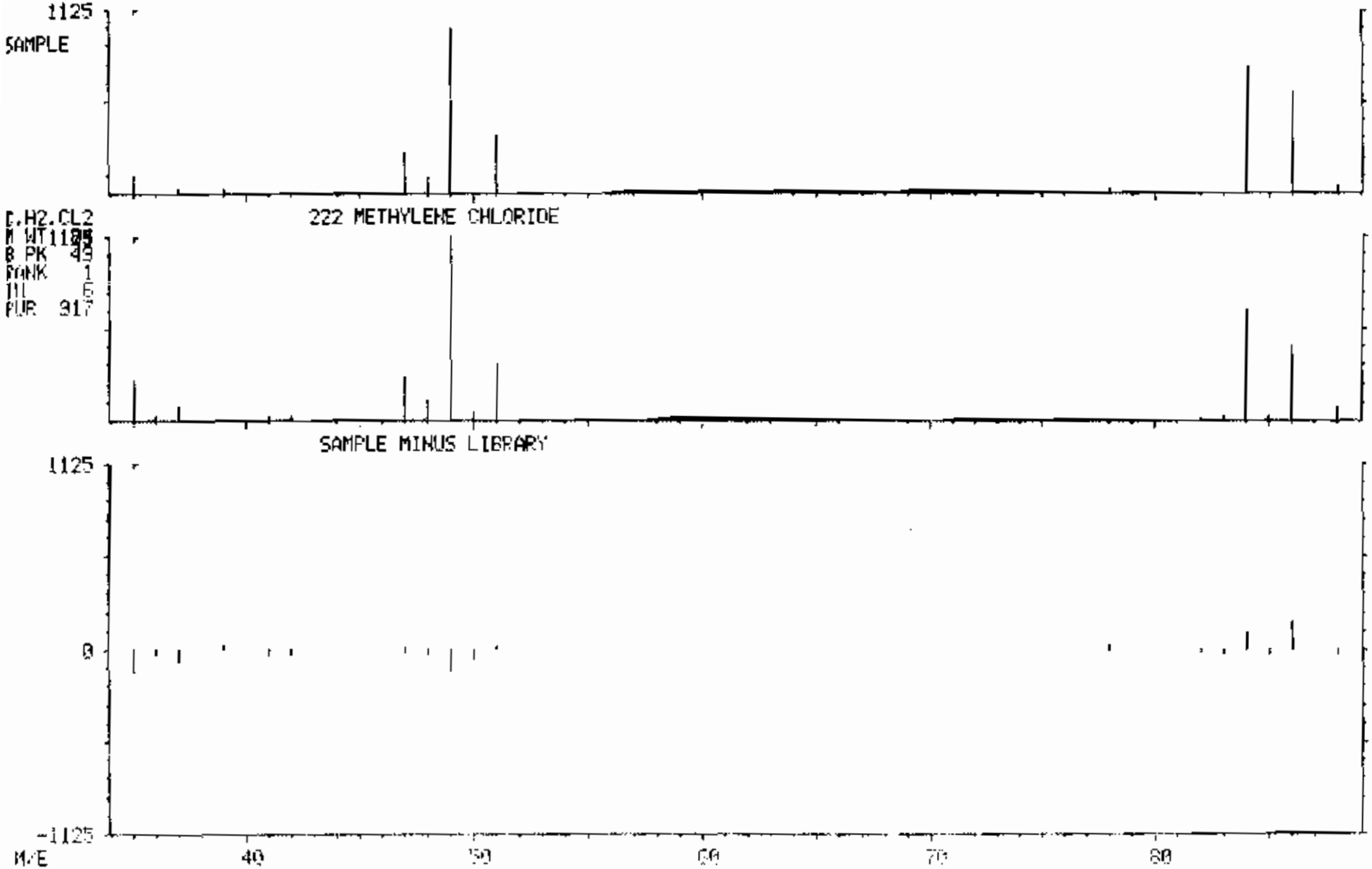
Quant Report Amount Spiked Conversion Factor:

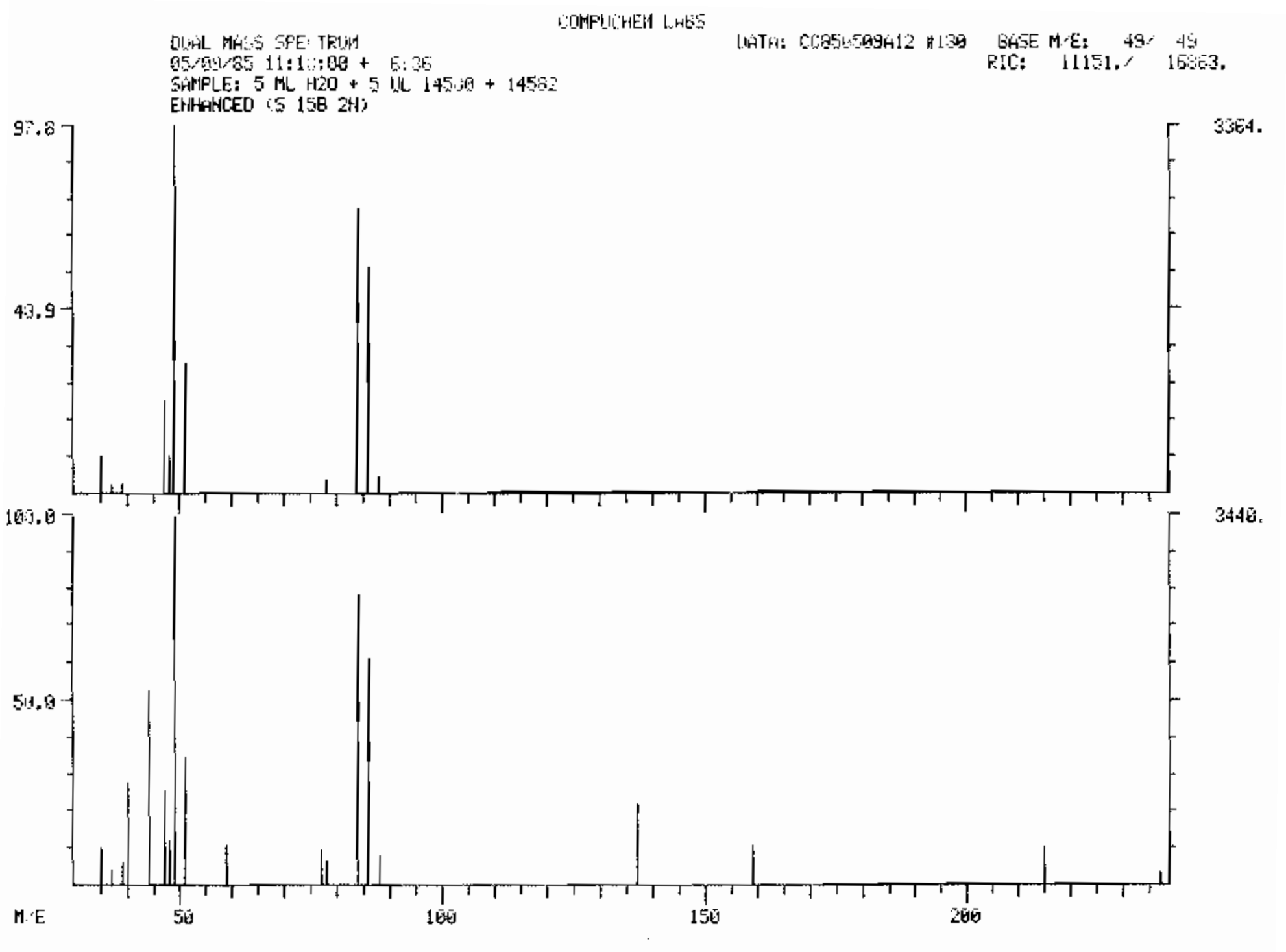
The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

COMPUCHEM LABS

LIBRARY SEARCH
05/09/85 11:13:00 + 6:35
SAMPLE: 5 ML H20 + 5 UL 14580 + 14582
ENHANCED (S 156 2N 0T)

DATA: CC850509A12 # 130
BASE M/E: 49
RIC: 11151.




COMPUCHEM LABS
DUAL MASS SPECTRUM
05/09/85 11:13:08 + 5:36
SAMPLE: 5 ML H2O + 5 UL 14530 + 14582
ENHANCED (S 15B 2H)
DATA: CC850509A12 #130
BASE M/E: 49 49
RIC: 11151. 16863.
97.8
48.9
3364.
100.0
50.0
3440.
M/E
50
100
150
200

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

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: Compuchem
Lab Sample ID No: EM049545A11
Sample Matrix: Liquid
Data Release
Authorized By: _____

Case: BEN TEST
QC Report No: 290/375
Contract No: 68-01-6784
Date Sample
Received:

Volatile Compounds

Concentration: low
Date extracted/prepared: 5-29-85
Date analyzed: 5-29-85
Conc/Dil Factor: 1.00 pH:
Percent moisture: N/A
Percent moisture (decanted):

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	79-87-5	1,2-Dichloropropane	5.0	
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	5.6	B	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	47.		71-43-2	Benzene	5.	
75-15-0	Carbon Disulfide	5.6	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.6	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.0	U	127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U				

DATA REPORTING QUALIFIERS

The results of this analysis should be flagged according to the following criteria. Additional flags or modifications of the flags listed below are encouraged. However, the definition of each flag must be explicit.

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

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

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 12J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. If the component pesticides are > 10 ng/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.

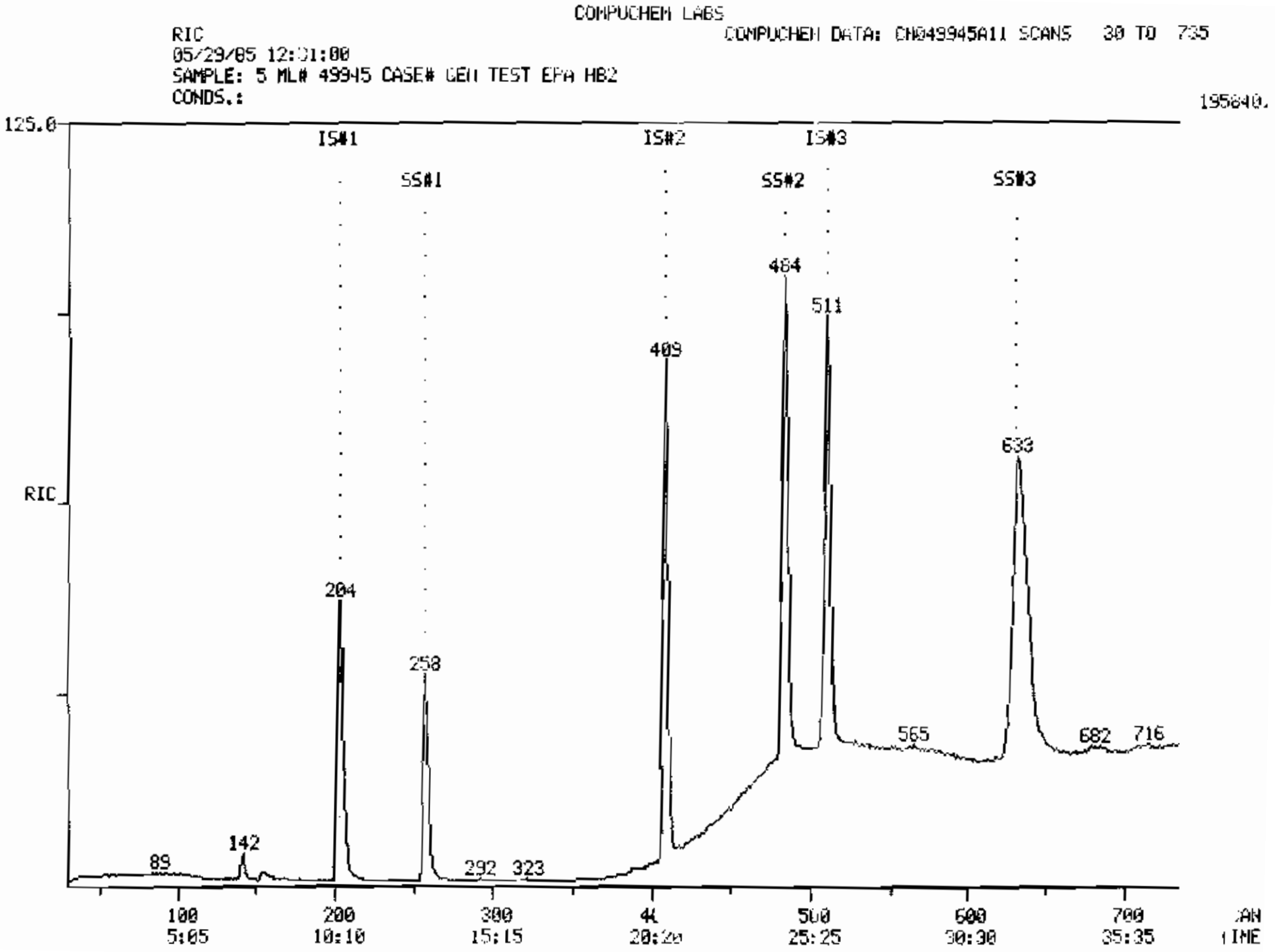
Other Other specific flags and footnotes may be required properly define the results. If used, they must be fully described and such description attached to the data summary report.

CN0649 . . . A11

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.		NONE			
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: CN049945A11 SCANS 30 TO 735
05/29/85 12:01:00
SAMPLE: 5 ML# 49945 CASE# GEN TEST EPA HB2
CONDS.:
195840.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
484
511
409
633
204
258
RIC
89
142
292
323
565
682
716
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:35
SCAN
TIME

Internal Standard Area Monitor

Method: E237 Filename: CN049945A11 Date: 05/29/85
Shift Std: CS850529A11 Time: 12:31

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
* BROMOCHLOROMETHANE (IS)	39591.	39826.	-0.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	172515.	167779.	3.	Pass
* D5 CHLOROBENZENE(INTERNAL STANDARD)	140730.	145814.	2.	Pass

PROCEDURE: RK
DATA FILE: CN04'
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	42	7	1	56	E237S/E23TU

42 COMPOUNDS PROCESSED, 7 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REP	PRED	SEL	DELTA	PEAKS	PIT PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-203	204	204	.	1	991 .	128	203	-1	1
2	E2	1	-410	409	409	.	1	991 .	114	409	.	1
3	E3	1	-512	511	511	.	1	972 .	117	511	.	1
4	E1	2	-43	45	.	.	.	. .	50	.	.	.
5	E1	3	-62	63	.	.	.	. .	94	.	.	.
6	E1	4	-77	78	.	.	.	. .	62	.	.	
7	E1	5	-97	98	.	.	.	. .	64	.	.	.
8	E1	6	-140	141	142	1	1	911 .	84	142	.	1
9	E1	7	-152	153	.	.	.	. .	43	155	.	1
10	E1	8	-172	173	.	.	.	. .	76	.	.	.
11	E1	9	-195	196	.	.	.	. .	96	.	.	.
12	E1	10	-221	222	.	.	.	. .	63	.	.	.
13	E1	11	-235	235	.	.	.	. .	96	.	.	
14	E1	12	-245	245	.	.	.	. .	83	.	.	.
15	E1	13	-261	261	.	.	.	. .	62	.	.	.
16	E2	2	-259	259	.	.	.	. .	72	.	.	.
17	E2	3	-288	288	.	.	.	. .	97	.	.	.
'	E2	4	-295	295	.	.	.	. .	117	.	.	.
.	E2	5	-298	296	.	.	.	. .	43	.	.	.
20	E2	6	-304	304	.	.	.	. .	83	.	.	
21	E2	7	-333	333	.	.	.	. .	63	.	.	
22	E2	8	-337	337	.	.	.	. .	75	.	.	
23	E2	9	-348	348	.	.	.	. .	130	.	.	.
24	E2	10	-359	359	.	.	.	. .	129	.	.	.
25	E2	11	-362	362				. .	97			
26	E2	12	-360	360	.	.	.	. .	78	359	.	1
27	E2	13	-363	363	.	.	.	. .	75	.	.	
28	E2	14	-384	384	.	.	.	. .	63	.	.	.
29	E2	15	-413	413	.	.	.	. .	173	.	.	
30	E3	2	-425	424	.	.	.	. .	43	.	.	.
31	E3	3	-456	455	.	.	.	. .	43	.	.	.
32	E3	4	-461	460	.	.	.	. .	164	.	.	.
33	E3	5	-459	458	.	.	.	. .	83	.	.	.
34	E3	6	-489	488	.	.	.	. .	92	488	.	1
35	E3	7	-515	514	.	.	.	. .	112	516	.	2
36	E3	8	-566	565	.	.	.	. .	106	564	.	2
37	E3	9	-675	673	.	.	.	. .	104	.	.	.
38	E3	10	-685	683	.	.	.	. .	106	683	.	1
39	E3	11	-712	710	.	.	.	. 999	106	.	.	.
40	E4	2	-259	259	258	-1	1	966 .	65	258	.	1
41	E4	3	-633	631	632	1	1	976 .	95	632	.	1
42	E4	4	-485	484	484	.	1	989 .	98	484	.	1

DATA: CN049945A11.TI
05/29/85 12:31:00
SAMPLE: 5 ML# 49945 CASE# GEN TEST EPA HB2
C[illegible]NS.:
S[illegible]ITTED BY: 11 ANALYST: 577

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

ND	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
'	217 1,2-DICHLORDPROPANE
.	250 TRANS-1,3-DICHLOROPROPENE
22	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# DB-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
*	128	203	10:19	1	1.000	A BB	39592.	50.000 UG/L	14.55
	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	142	7:13	1	0.700	A BB	6183.	5.683 UG/L	1.65
	43	155	7:53	1	0.764	A BV	10894.	48.136 UG/L	14.01
	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	409	20:47	14	1.000	A BB	172516.	50.000 UG/L	14.55
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	359	18:15	14	0.878	A BB	434.	0.144 UG/L	0.04
26	75	NOT FOUND							
27	63	NOT FOUND							
28	173	NOT FOUND							
29	117	511	25:59	29	1.000	A BB	148730.	50.000 UG/L	14.55
30	43	NOT FOUND							
31	43	NOT FOUND							
32	164	NOT FOUND							
	83	NOT FOUND							
[illegible]	92	488	24:48	29	0.955	A BB	2207.	1.021 UG/L	0.30
35	112	516	26:14	29	1.010	A*BV	1811.	0.611 UG/L	0.18
36	106	564	28:40	29	1.104	A*BV	1456.	1.066 UG/L	0.31
37	104	NOT FOUND							
38	106	683	34:43	29	1.337	A VV	2633.	1.295 UG/L	0.38
39	106	NOT FOUND							
40	65	258	13:07	1	1.271	A BB	78954.	44.232 UG/L	12.87
41	95	632	32:06	29	1.237	A BB	125612.	44.885 UG/L	13.04
42	98	484	24:36	1	2.384	A BB	164935.	46.579 UG/L	13.56

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:19	1.00	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	2:11		10.000			50.00		1.328	
3	3:09		10.000			50.00		1.773	
4	3:55		10.000			50.00		1.230	
5	4:56		10.000			50.00		0.672	
6	7:07	1.01	5.000	0.14	5.68	50.00	0.156	1.374	0.11
7	7:44	1.02	10.000	0.08	48.14	50.00	0.275	0.286	0.96
8	8:45		5.000			50.00		3.829	
9	9:55		5.000			50.00		1.245	
10	11:14		5.000			50.00		2.250	
11	11:57		5.000			50.00		1.287	
12	12:27		5.000			50.00		3.301	
13	13:16		5.000			50.00		2.193	
[illegible]	20:50	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00

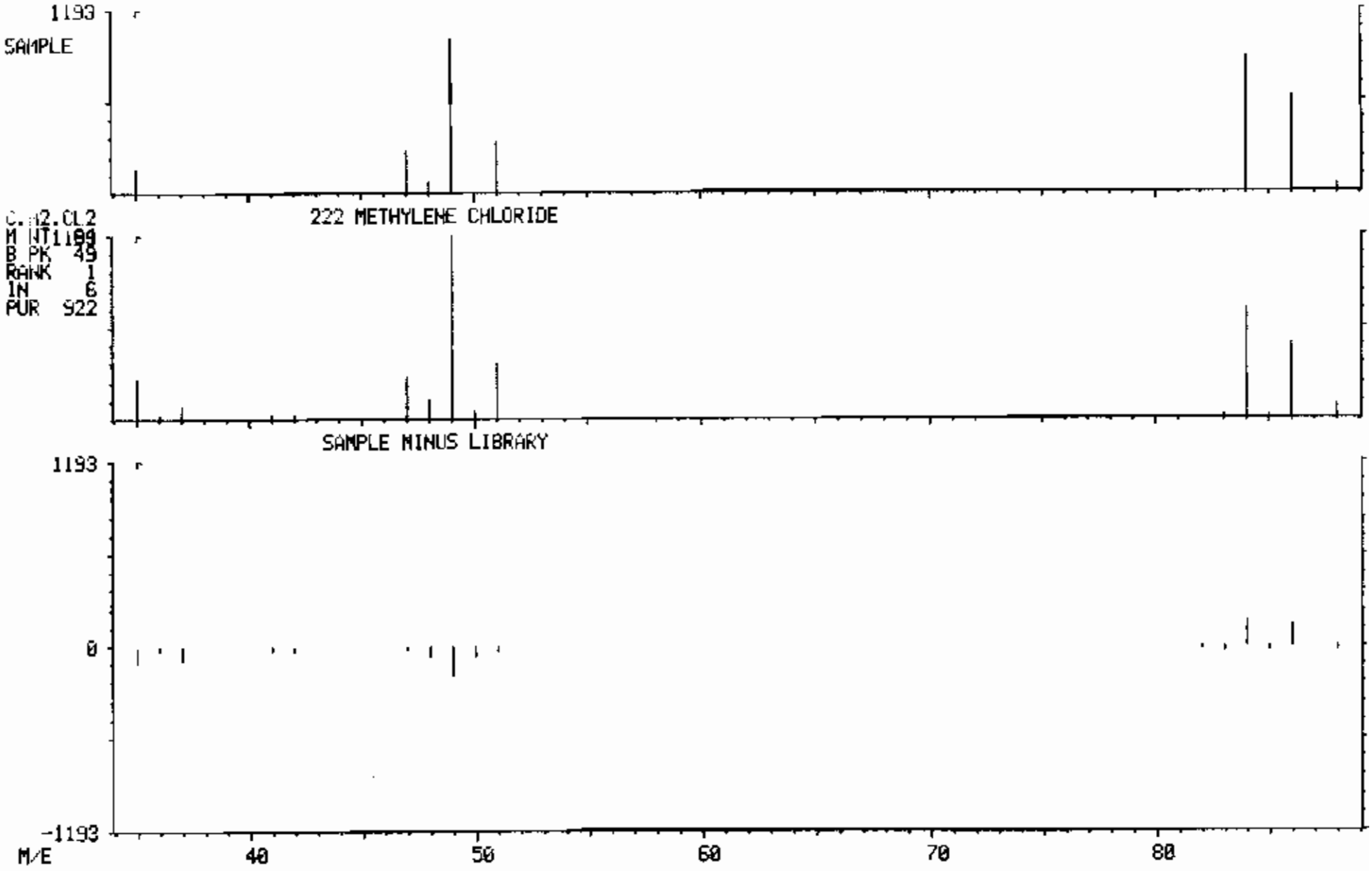
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
15	13:10		10.000			50.00		0.027	
16	14:38		5.000			50.00		0.621	
17	15:00		5.000			50.00		0.619	
'	15:09		10.000			50.00		0.536	
.	15:27		5.000			50.00		0.699	
20	16:56		5.000			50.00		0.322	
21	17:08		5.000			50.00		0.215	
22	17:41		5.000			50.00		0.419	
23	18:15		5.000			50.00		0.574	
24	18:24		5.000			50.00		0.352	
25	18:18	1.00	5.000	0.18	0.14	50.00	0.003	0.872	0.00
26	18:27		5.000			50.00		0.677	
27	19:31		10.000			50.00		0.165	
28	21:00		5.000			50.00		0.308	
29	26:02	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:36		10.000			50.00		0.268	
31	23:11		10.000			50.00		0.165	
32	23:26		5.000			50.00		0.440	
33	23:20		5.000			50.00		0.439	
34	24:51	1.00	5.000	0.19	1.02	50.00	0.015	0.727	0.02
35	26:11	1.00	5.000	0.20	0.61	50.00	0.012	0.997	0.01
36	28:46	1.00	5.000	0.22	1.07	50.00	0.010	0.459	0.02
37	34:19		5.000			50.00		1.131	
38	34:49	1.00	5.000	0.27	1.30	50.00	0.018	0.683	0.03
39	36:12		5.000			100.00		0.604	
40	13:10	1.00	10.000	0.13	44.23	50.00	1.994	2.254	0.88
41	32:11	1.00	10.000	0.12	44.89	50.00	0.845	0.941	0.90
42	24:39	1.00	10.000	0.24	46.58	50.00	4.166	4.472	0.93

COMPUCHEM LABS

LIBRARY SEARCH
05/29/85 12:31:00 + 7:13
SAMPLE: 5 ML# 49945 CASE# CEN TEST EPA HB2
ENHANCED (S 15B 2H 0T)

DATA: CN049945A11 # 142

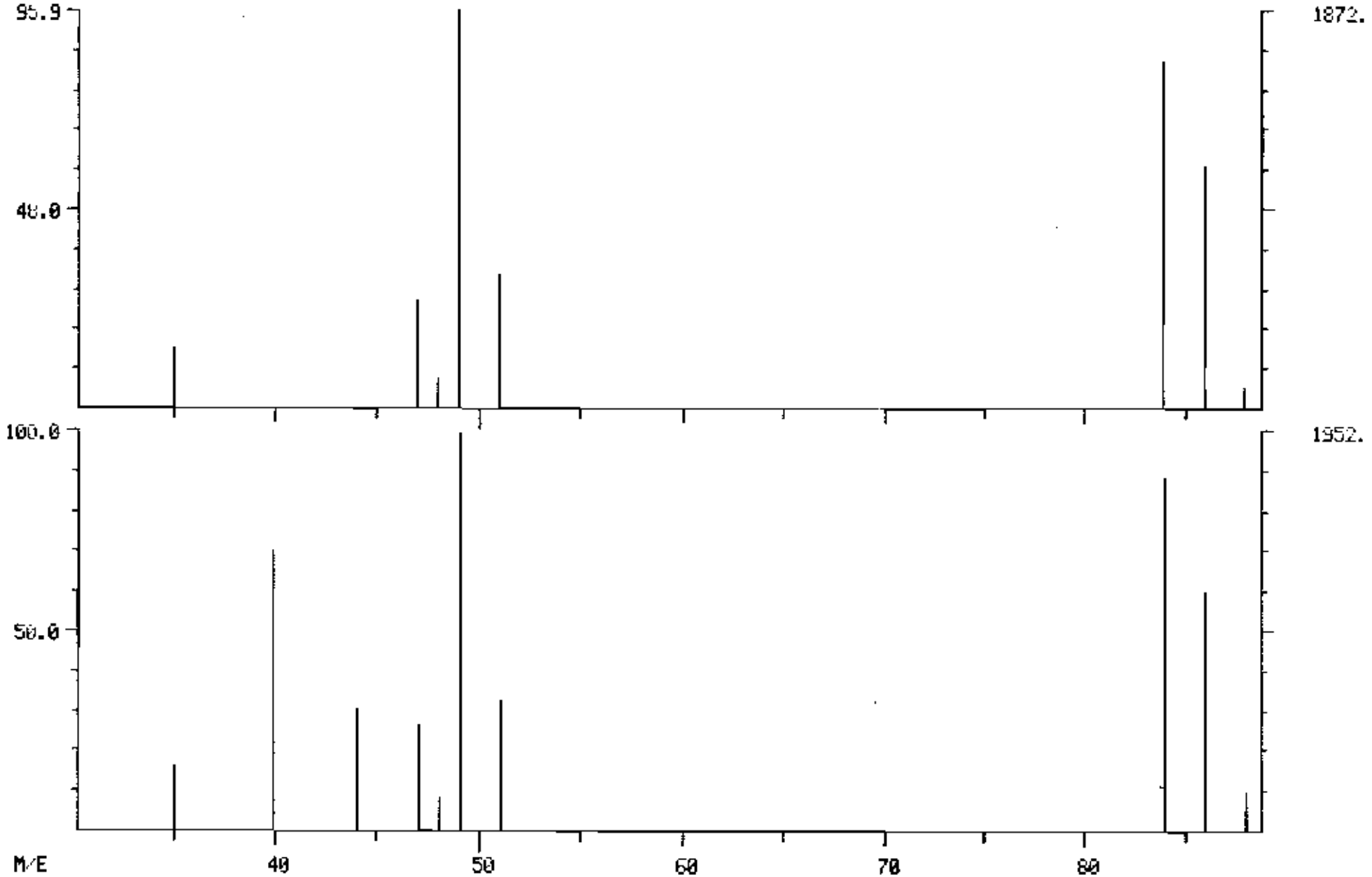
BASE M/E: 49
RIC: 6287.

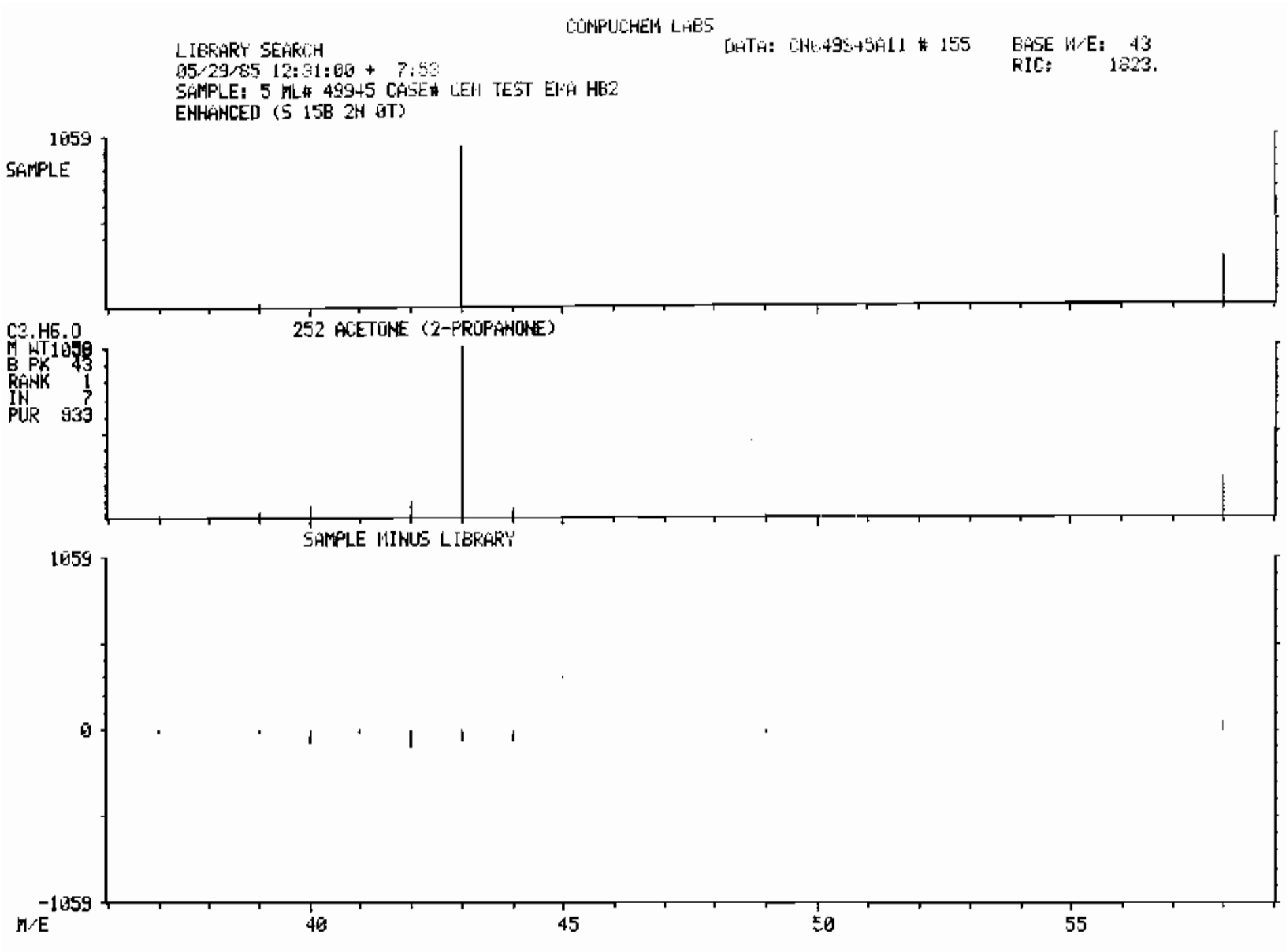


COMPUCHEM LABS

DUAL MASS SPECTRUM
05/29/85 12:31:00 + 7:13
SAMPLE: 5 ML# 49945 CASE# GEN TEST EPA HB2
ENHANCED (S 15B 2N)

DATA: C:\04\945A11 #142 BASE M/E: 49/ 49
RIC: 6287./ 9523.

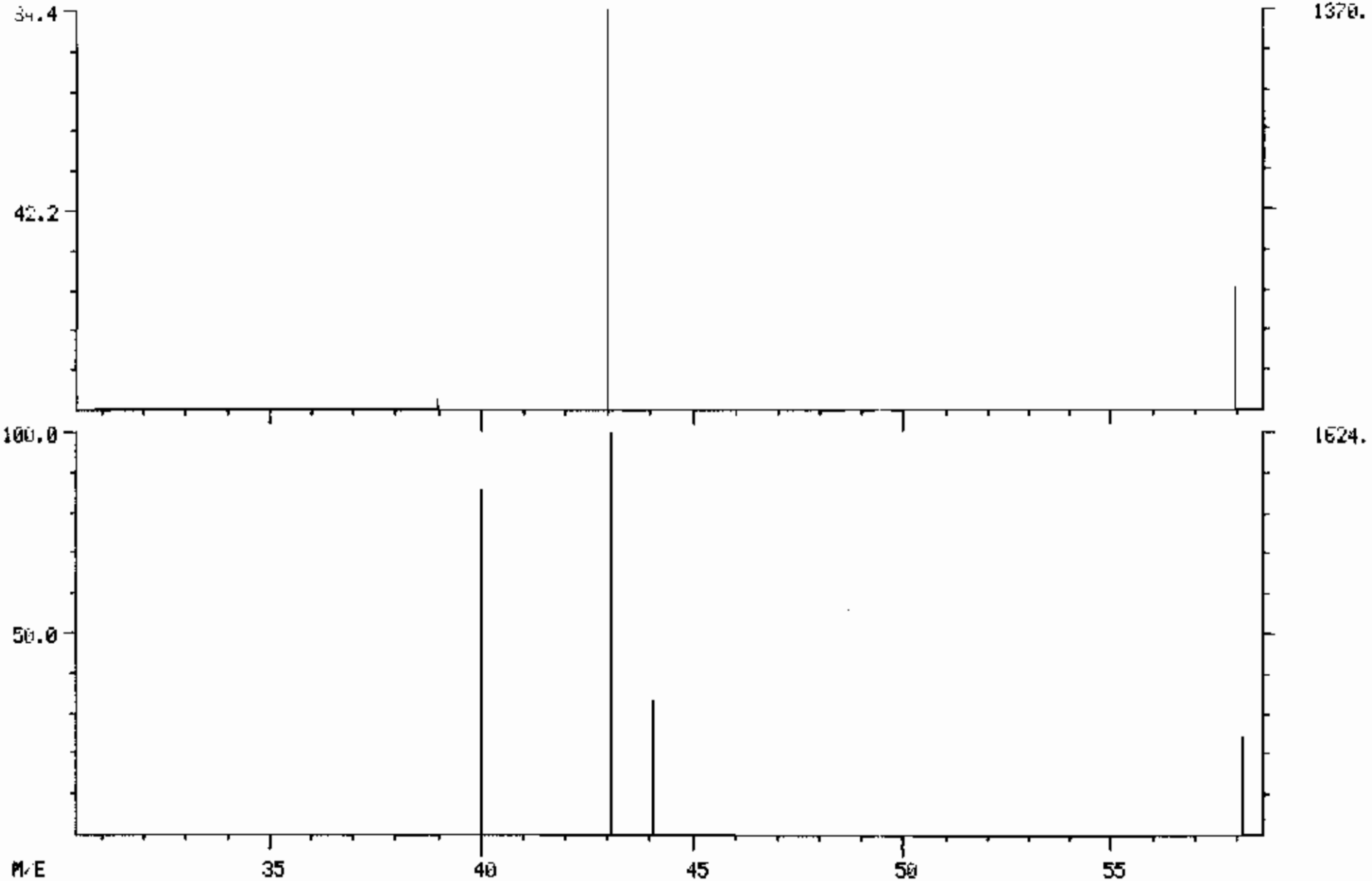



COMPUCHEM LABS
LIBRARY SEARCH
05/29/85 12:31:00 + 7:53
SAMPLE: 5 ML# 49945 CASE# GEN TEST EPA HB2
ENHANCED (S 15B 2N 0T)
DATA: CN0495+9A11 # 155
BASE M/E: 43
RIC: 1823.
1059
SAMPLE
C3.H6.0
M WT1050
B PK 43
RANK 1
IN 7
PUR 933
252 ACETONE (2-PROPANONE)
SAMPLE MINUS LIBRARY
1059
0
-1059
M/E
40
45
50
55

COMPUCHEM LABS

DUAL MASS SPECTRUM
05/29/85 12:31:00 + 7:53
SAMPLE: 5 ML# 49945 CASE# GEN TEST EPA HB2
ENHANCED (5 15B 2N)

DATA: C:\049945A11 #155 BASE M/E: 43/ 43
RIC: 1823./ 3951.



CASE#: GEN. TEST   DUE DATE: 5/29/85

VOA
GC/MS WORKSHEET   COMPUCHEM#: 49945

J[ ] J3[ ] D[ ] [ ]
J2[ ] J4[ ] D2[ ] [ ]

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---000
Instrument Code---256
Compound List---143
Surrogate Std---394
Internal Std---036

SAS: EPA#: Holding Blank B2 280/375

GC/MS ANALYSIS
Amount Purged: [✓] 5mls or [ ]   Dilution______ul/5000ul Sparged
Internal Standard Volume Added___5___ul
Surrogate Standard Volume Added___5___ul
BFB Filename___BFIT0505SCU___Disk( )
Blank Filename___CB0505A5RAU___Disk ( )
Standard Filename___CS2505290DU___Disk ( )
Sample Filename___CN049945A1L___Disk ( )

ANALYST: ___ Injection___SM___ Worksheet___SM___

GC/MS REVIEW

CONDITION CODE: OK

Entry Codes OK,JS,SM,SL,SH,JA IA

Non-Entry Codes IN,IR,IA,SW,CT,DC,PC ...
UP,IS ...

Disposition: [✓] Complete
[ ] Reinject ...
[ ] Dilute ( )

Extraneous Peak Search Results:
# of Peaks Found___0___

Quality Assurance Notice(s):
Notices Required________

COMMENTS:

GC/MS Review___[signature]___ Date 5/30/85   Auditor________ Date___/___/___

REPORT INTEGRATION   Total # of Injections: ___1___
Final Reportable Package(s): CN049945A4___________/________________

QA COMMENTS:

Initials________ Date___/___/___

FINAL REVIEW: Initials________ Date___/___/___

[stamp] 5/30/85 [stamp] 5/30/85

Volatile - Medium or Low Level Liquid

N°	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result(*) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	5.6		5.7 B	5.0
7	252	___	ACETONE (2-PROPANONE)	48.1		48.0	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE			BDL	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE			BDL	5.0
15	253	___	2-BUTANONE			BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE			BDL	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE			BDL	5.0
26	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
27	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
28	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE			BDL	5.0
35	207	___	CHLOROBENZENE			BDL	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/241	___	O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

N	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40		D4-1,2-DICHLOROETHANE	44.2	50.0	88.0	77-120	X	
41		BROMOFLUOROBENZENE	44.9	50.0	90.0	85-121	X	
42		D8-TOLUENE	46.6	50.0	93.0	86-119	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:

$$\frac{5000 \text{ UL}}{\text{Volume of Sample Purged (UL)}} =$$

$$\frac{5000 \text{ UL}}{5000 \text{ (UL)}} = 1.000$$

Quant Report amount spiked conversion factor:

The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

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

Sample Number
GH0499TA.1

Laboratory Name: Compuchem

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Concentration: low
Date extracted/prepared: 05-07-85
Date analyzed: 05-19-85
Conc/Dil Factor: 2.00

CAS Number		ug/l		CAS Number		ug/l	
62-75-9	N-Nitrosodimethylamine	20.	U	99-09-2	3-Nitroaniline	10.	U
108-95-2	Phenol	20.	U	83-32-9	Acenaphthene	20.	U
62-53-3	Aniline	20.	U	51-28-5	2,4-Dinitrophenol	100	U
111-44-4	bis(2-Chloroethyl) ether	20.	U	100-02-7	4-Nitrophenol	100	U
95-57-8	2-Chlorophenol	20.	U	132-64-9	Dibenzofuran	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U	121-14-2	2,4-Dinitrotoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U	606-20-2	2,6-Dinitrotoluene	20.	U
100-51-6	Benzyl Alcohol	20.	U	84-66-2	Diethylphthalate	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U	7005-72-3	4-Chlorophenyl Phenyl ether	20.	U
95-48-7	2-Methylphenol	20.	U	86-73-7	Fluorene	20.	U
39638-32-9	bis(2-Chloroisopropyl) ether	20.	U	100-01-6	4-Nitroaniline	100	U
106-44-5	4-Methylphenol	20.	U	534-52-1	4,6-Dinitro-2-methylphenol	100	U
621-64-7	N-Nitroso-Dipropylamine	20.	U	86-30-6	N-nitrosodiphenylamine (1)	20.	U
67-72-1	Hexachloroethane	20.	U	101-55-3	4-Bromophenyl Phenyl ether	20.	U
98-95-3	Nitrobenzene	20.	U	118-74-1	Hexachlorobenzene	20.	U
78-59-1	Isophorone	20.	U	87-86-5	Pentachlorophenol	100	U
88-75-5	2-Nitrophenol	20.	U	85-01-8	Phenanthrene	20.	U
105-67-9	2,4-Dimethylphenol	20.	U	120-12-7	Anthracene	20.	U
65-85-0	Benzoic Acid	100	U	84-74-2	Di-n-butylphthalate	20.	U
111-91-1	bis(2-Chloroethoxy) ethane	20.	U	206-44-0	Fluoranthene	20.	U
120-83-2	2,4-Dichlorophenol	20.	U	92-87-5	Benzidine	100	U
120-82-1	1,2,4-Trichlorobenzene	20.	U	129-00-0	Pyrene	20.	U
91-20-3	Naphthalene	20.	U	85-68-7	Butyl Benzyl Phthalate	20.	U
106-47-8	4-Chloroaniline	20.	U	91-94-1	3,3'-Dichlorobenzidine	40.	U
87-68-3	Hexachlorobutadiene	20.	U	56-55-3	Benzo(a)anthracene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U	117-81-7	bis(2-ethylhexyl)phthalate	20.	U
91-57-6	2-Methylnaphthalene	20.	U	218-01-9	Chrysene	20.	U
77-47-4	Hexachlorocyclopentadiene	20.	U	117-84-0	Di-n-octyl Phthalate	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U	205-99-2	Benzo(b)fluoranthene	20.	U
95-95-4	2,4,5-Trichlorophenol	100	U	207-08-9	Benzo(k)fluoranthene	20.	U
91-58-7	2-Chloronaphthalene	20.	U	50-32-8	Benzo(a)pyrene	20.	U
88-74-4	2-Nitroaniline	100	U	193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
131-11-3	Dimethyl Phthalate	20	U	53-70-3	Dibenz(a,h)anthracene	20.	U
208-96-8	Acenaphthylene	20.	U	191-24-2	Benzo(g,h,i)perylene	20.	U

(1) Cannot be separated from Diphenylamine

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	629-74-3	LAB ARTIFACT 1-HEXADECYNE ~~DEUTERATED~~	SEMI1	979	21.	J

COMPUCHEM LABS

RIC

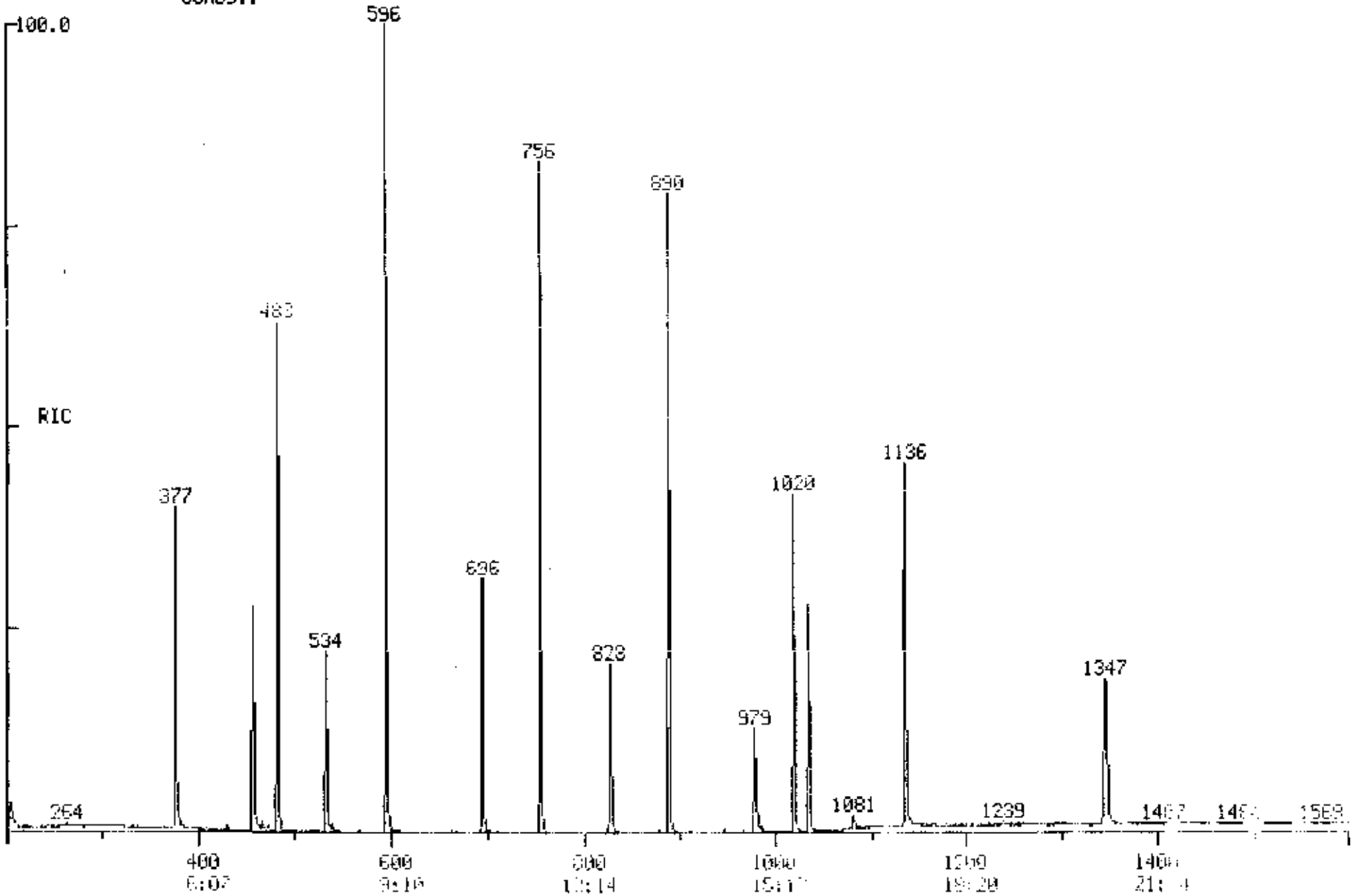
05/19/85 16:36:00

SAMPLE: 1UL CC#49973 (5-7-85) CASE#BLANK-2

CONDS.:

COMPUCHEM DATA: QH049973A22 SCANS 200 TO 1?00

OUT OF 200 TO 1750



COMPUCHEM LABS

RIC
05/19/85 16:36:00
SAMPLE: 1UL CC#49973 (5-7-85) CASE#BLANK-2
CONDS.:

COMPUCHEM DATA: GN049973A22 SCANS 1600 TO 1750
OUT OF 200 TO 1750

1e878900.

1638 1709

Scroll
Profile

PROCEDURE: RK DIAGNOSTIC REPORT 5/19/85 16:54:38
DATA FILE: [illegible]049973A22
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
4	4	1	72	53	8	1	99	SEMI1S1/SEMI1U1
3	3	2	44	28	5	1	62	SEMI1S2/SEMI1U2

91 COMPOUNDS PROCESSED, 13 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	01	1	-490	482	483	1	1	945	152	483	.	1
2	03	1	-759	756	756	.	1	992	164	756	.	1
3	02	1	-601	596	596	.	1	984	136	596	.	1
4	07	2	-387	378	377	-1	1	903	112	377	.	1
5	01	2	-254	244	.	.		.	42	.	.	.
6	01	3	-465	458	.	.		.	94	.	.	
7	01	4	-466	459	.	.		.	93	.	.	.
8	01	5	-471	464	.	.		.	93	.	.	.
9	01	6	-475	468	.	.		.	128	.	.	.
10	01	7	-487	480	.	.		.	146	.	.	.
11	01	8	-491	484	.	.		.	146	.	.	.
12	01	9	-504	497	.	.		.	108	.	.	.
13	01	10	-507	500	.	.		.	146	.	.	.
14	01	11	-515	509	.	.		.	108	.	.	.
15	01	12	-518	512	.	.		.	45	515	.	2
16	01	13	-527	521	.	.		.	108	.	.	.
17	01	14	-529	523	.	.		.	70	.	.	.
18	01	15	-534	528	.	.		.	117	.	.	.
19	01	16	-541	535	.	.		.	77	.	.	.
20	02	2	-562	556	.	.		.	82	554	.	1
21	02	3	-569	562	.	.		.	139	.	.	
22	02	4	-573	566	.	.		.	122	.	.	
23	02	5	-583	576	.	.		.	122	.	.	.
24	02	6	-582	577	.	.		.	93	.	.	.
25	02	7	-589	584	.	.		.	162	.	.	
26	02	8	-597	592	.	.		.	180	.	.	.
27	02	9	-602	597	.	.		.	128	.	.	
28	02	10	-609	604	.	.		.	127	.	.	.
29	02	11	-619	614	.	.		.	225	.	.	
30	02	12	-651	647	.	.		.	107	.	.	.
31	02	13	-664	660	.	.		.	142	.	.	.
32	03	2	-684	680	.	.		.	237	.	.	
33	03	3	-694	690	.	.		.	196	.	.	.
34	03	4	-694	690	.	.		.	196	.	.	.
35	03	5	-707	704	.	.		.	162	.	.	.
36	03	6	-719	716	.	.		.	65	.	.	.
37	03	7	-738	735	.	.		.	163	.	.	.
38	03	8	-745	742	.	.		.	152	.		
39	03	9	-718	715	.	.		.	138	.	.	
40	03	10	-762	759	.	.		.	153	.	.	
41	03	11	-765	763					184		.	.
42	03	12	-776	774	.	.		.	137	.	.	.
43	03	13	-776	774	.	.		.	168	.	.	
44	03	14	-779	777	.	.		.	89	.	.	
45	03	15	-744	741	.	.		.	165	.		
46	03	16	-802	800	.	.		.	149	.	.	.
47	03	17	-807	805					204			

50	Q7	3	-464	457	458	1	1	915	.	99	457	-1
51	Q7	4	-539	533	534	1	1	958	.	82	534	.
52	Q7	5	-698	694	695	1	1	962	.	172	695	.
53	Q7	6	-830	829	828	-1	1	909	.	141	828	.
54	Q4	1	-891	890	890	.	1	955	.	188	890	.
55	Q5	1	-1137	1136	1136	.	1	964	.	240	1136	.
56	Q6	1	-1349	1347	1347	.	2	997	.	264	1347	.
57	Q4	2	-815	815	.	.	.	.	.	198	.	
58	Q4	3	-818	818	.	.	.	.	.	169	.	.
59	Q4	4	-850	850	.	.	.	.	.	248	.	.
60	Q4	5	-864	864	.	.	.	.	.	284	.	.
61	Q4	6	-880	880	.	.	.	.	.	266	.	.
62	Q4	7	-894	894	.	.	.	.	.	178	.	.
63	Q4	8	-898	898	.	.	.	.	.	178	.	.
64	Q4	9	-948	947	.	.	.	.	.	149	947	.
65	Q4	10	-1002	1001	.	.	.	.	.	202	.	.
66	Q5	2	-1021	1020	.	.	.	.	.	184	.	.
67	Q5	3	-1023	1022	.	.	.	.	.	202	.	.
68	Q5	4	-1083	1082	.	.	.	.	.	149	.	.
69	Q5	5	-1132	1131	.	.	.	.	.	252	.	.
70	Q5	6	-1135	1134	.	.	.	.	.	228	1136	.
71	Q5	7	-1141	1140	.	.	.	.	.	149	1141	.
72	Q5	8	-1140	1139	.	.	.	.	.	228	1136	.
73	Q6	2	-1218	1217	.	.	.	.	.	149	.	.
74	Q6	3	-1281	1279	.	.	.	.	.	252	.	.
75	Q6	4	-1285	1283	.	.	.	.	.	252	.	.
76	Q6	5	-1338	1336	.	.	.	.	.	252	.	.
77	Q6	6	-1610	1608	.	.	.	.	.	276	.	.
78	Q6	7	-1618	1616	.	.	.	.	.	278	.	.
79	Q6	8	-1690	1687	.	.	.	.	.	276	.	.
80	Q7	7	-1036	1035	1036	1	2	989	.	244	1036	.
81	Q8	2	-1021	1020	1020	.	2	969	.	212	1020	.

Internal Standard Area Monitor

Method: SEMI1
Filename: ~~EH049973A22~~ GH
Shift Std: HG850519A22

Date: 05/19/85
Time: 16:36

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
*** D4-1,4-DICHLORDBENZENE (IS#1)	1620890.	1308150.	24.	Pass
*** D8-NAPHTHALENE (IS#2)	6395800.	4924630.	30.	Pass
*** D10-ACENAPHTHENE (IS#3)	3183480.	2830200.	12.	Pass
*** D10-PHENANTHRENE (IS#4)	5046390.	5315670.	-4.	Pass
*** D12-CHRYSENE (IS#5)	2792860.	4498970.	-37.	Pass
*** D12-PERYLENE (IS#6)	2556990.	4391900.	-41.	Pass

LR

QUANTITATION REPORT FILE: GH049973A22

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	610 PHENOL (Q1#3) <108-95-2>
4	473 ANILINE (Q1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
6	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
9	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
11	620 2-METHYLPHENOL (Q1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
13	622 4-METHYLPHENOL (Q1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
15	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
16	440 NITROBENZENE (Q1#16) <98-95-3>
17	*** D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (Q2#2) <78-59-1>
19	606 2-NITROPHENOL (Q2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
21	625 BENZOIC ACID (Q2#5) <65-85-0>
22	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
25	439 NAPHTHALENE (Q2#9) <91-20-3>
26	475 4-CHLOROANILINE (Q2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
35	478 2-NITROANILINE (Q3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
37	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
38	479 3-NITROANILINE (Q3#9) <99-09-2>
39	401 ACENAPHTHENE (Q3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
41	607 4-NITROPHENOL (Q3#12) <100-02-7>
42	476 DIBENZOFURAN (Q3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
47	432 FLUORENE (Q3#18) <86-73-7>
48	480 4-NITROANILINE (Q3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
52	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>

NO		NAME
54	609	PENTACHLOROPHENOL (Q4#6) <87-86-5>
55	444	PHENANTHRENE (Q4#7) <85-01-8>
56	403	ANTHRACENE (Q4#8) <120-12-7>
57	426	DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
58	431	FLUORANTHENE (Q4#10) <206-44-0>
59	***	D12-CHRYSENE (IS#5)
60	404	BENZIDINE (Q5#2) <92-87-5>
61	445	PYRENE (Q5#3) <129-00-0>
62	415	BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
63	423	3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
64	405	BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
65	413	BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
66	418	CHRYSENE (Q5#8) <218-01-9>
67	***	D12-PERYLENE (IS#6)
68	429	DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
69	407	BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
70	409	BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
71	406	BENZO(A)PYRENE (Q6#5) <50-32-8>
72	437	INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
73	419	DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
74	408	BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>
75	###	2-FLUOROPHENOL (SS#1)
76	###	D5-PHENOL (SS#2)
77	###	D5-NITROBENZENE (SS#3)
78	###	2-FLUOROBIPHENYL (SS#4)
79	###	2,4,6-TRIBROMOPHENOL (SS#5)
80	###	D14-TERPHENYL (SS#6)
81	###	D10 PYRENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	483	7:23	1	1.000	A BV	1620890.	40.000 NG	9.57
2	42	NOT FOUND							
3	94	NOT FOUND							
4	93	NOT FOUND							
5	93	NOT FOUND							
6	128	NOT FOUND							
7	146	NOT FOUND							
8	146	NOT FOUND							
9	108	NOT FOUND							
10	146	NOT FOUND							
11	108	NOT FOUND							
12	45	515	7:52	1	1.066	A BB	4160.	0.023 NG	0.01
13	108	NOT FOUND							
14	70	NOT FOUND							
15	117	NOT FOUND							
16	77	NOT FOUND							
17	136	596	9:07	17	1.000	A BV	1615800.	40.000 NG	9.57
18	82	554	8:28	17	0.930	A VB	5952.	0.031 NG	0.01
19	139	NOT FOUND							
20	122	NOT FOUND							
21	122	NOT FOUND							
22	93	NOT FOUND							
23	162	NOT FOUND							
24	180	NOT FOUND							
25	128	NOT FOUND							
26	127	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
27	225	NOT FOUND								
28	107	NOT FOUND								
29	142	NOT FOUND								
30	164	756	11:33	30	1.000	A BV	3183480.	40.000	NG	9.57
31	237	NOT FOUND								
32	196	NOT FOUND								
33	196	NOT FOUND								
34	162	NOT FOUND								
35	65	NOT FOUND								
36	163	NOT FOUND								
37	152	NOT FOUND								
38	138	NOT FOUND								
39	153	NOT FOUND								
40	184	NOT FOUND								
41	139	NOT FOUND								
42	168	NOT FOUND								
43	89	NOT FOUND								
44	165	NOT FOUND								
45	149	NOT FOUND								
46	204	NOT FOUND								
47	166	NOT FOUND								
48	138	NOT FOUND								
49	188	890	13:36	49	1.000	A BV	5046350.	40.000	NG	9.57
50	198	NOT FOUND								
51	169	NOT FOUND								
52	248	NOT FOUND								
53	284	NOT FOUND								
54	266	NOT FOUND								
55	178	NOT FOUND								
56	178	NOT FOUND								
57	149	947	14:28	49	1.064	A BB	59616.	0.311	NG	0.07
58	202	NOT FOUND								
59	240	1136	17:22	59	1.000	A BV	3793860.	40.000	NG	9.57
60	184	NOT FOUND								
61	302	NOT FOUND								
62	149	NOT FOUND								
63	252	NOT FOUND								
64	228	1136	17:22	59	1.000	A BB	2944.	0.035	NG	0.01
65	149	1141	17:26	59	1.004	A BB	63744.	0.302	NG	0.07
66	228	1136	17:22	59	1.000	A BB	2944.	0.035	NG	0.01
67	264	1347	20:35	67	1.000	A BV	2556990.	40.000	NG	9.57
68	149	NOT FOUND								
69	252	NOT FOUND								
70	252	NOT FOUND								
71	252	NOT FOUND								
72	276	NOT FOUND								
73	278	NOT FOUND								
74	276	NOT FOUND								
75	112	377	5:46	1	0.781	A BV	1942950.	29.091	NG	6.96
76	99	457	6:59	1	0.946	A BV	2084540.	22.101	NG	5.29
77	82	534	8:10	17	0.896	A BV	1850940.	18.609	NG	4.45
78	172	695	10:37	30	0.919	A BB	2333340.	22.549	NG	5.40
79	141	828	12:39	30	1.095	A BB	1640664.	27.710	NG	6.63
80	244	1036	15:50	59	0.912	A BV	1944950	27.978	NG	6.70
81	212	1020	15:35	59	0.898	A BV	2279140.	27.108	NG	6.97

NO	RET(L) RATIO	RRT(L) RATIO	AMNT	(HGHT)	R.FAC	R.FAC(L)	RATIO

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:29	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:53		10.000			50.00		1.295	
3	7:06		10.000			50.00		1.971	
4	7:07		10.000			50.00		2.425	
5	7:12		10.000			50.00		2.073	
6	7:16		10.000			50.00		1.601	
7	7:27		10.000			50.00		1.612	
8	7:30		10.000			50.00		1.640	
9	7:42		10.000			50.00		1.118	
10	7:45		10.000			50.00		1.618	
11	7:52		10.000			50.00		1.530	
12	7:55	0.99	10.000	0.11	0.02	50.00	0.002	4.471	0.00
13	8:03		10.000			50.00		1.647	
14	8:05		10.000			50.00		1.787	
15	8:10		10.000			50.00		0.775	
16	8:16		10.000			50.00		2.233	
17	9:11	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:35	0.99	10.000	0.09	0.03	50.00	0.001	1.184	0.00
19	8:42		10.000			50.00		0.203	
20	8:45		10.000			50.00		0.358	
21	8:55		50.000			50.00		0.293	
22	8:54		10.000			50.00		0.612	
23	9:00		10.000			50.00		0.306	
24	9:07		10.000			50.00		0.335	
25	9:12		10.000			50.00		1.109	
26	9:18		10.000			50.00		0.500	
27	9:28		10.000			50.00		0.176	
28	9:57		10.000			50.00		0.432	
29	10:09		10.000			50.00		0.735	
30	11:36	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:27		10.000			50.00		0.237	
32	10:36		10.000			100.00		0.373	
33	10:36		50.000			100.00		0.373	
34	10:48		10.000			50.00		1.171	
35	10:59		50.000			50.00		0.662	
36	11:17		10.000			50.00		1.521	
37	11:23		10.000			50.00		1.912	
38	10:52		50.000			50.00		0.472	
39	11:39		10.000			50.00		1.304	
40	11:42		50.000			50.00		0.059	
41	11:52		50.000			50.00		0.736	
42	11:52		10.000			50.00		1.697	
43	11:54		10.000			50.00		0.496	
44	11:22		10.000			50.00		0.311	
45	12:15		10.000			50.00		1.639	
46	12:20		10.000			50.00		0.585	
47	12:26		10.000			50.00		1.372	
48	12:24		50.000			50.00		0.360	
49	13:37	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:27		50.000			50.00		0.076	
51	12:30		10.000			50.00		0.443	
52	13:00		10.000			50.00		0.199	
53	13:12		10.000			50.00		0.267	
54	13:27		50.000			50.00		0.109	
55	13:44		10.000			50.00		1.075	
56	13:44		10.000			50.00		0.952	

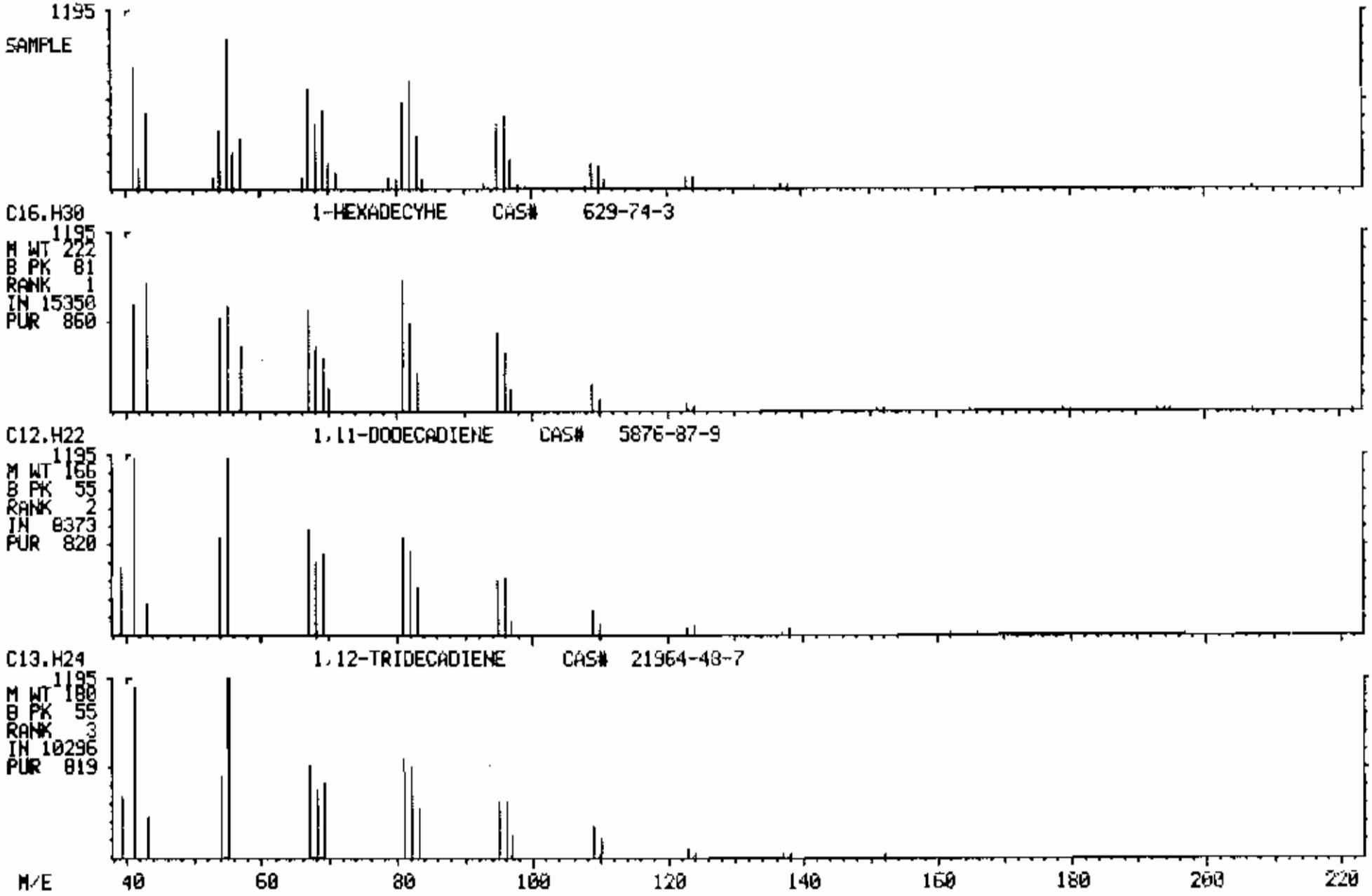
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
57	14:29	1.00	10.000	0.11	0.31	50.00	0.009	1.518	0.01
58	15:19		10.000			50.00		1.156	
59	17:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:36		50.000			50.00		0.013	
61	15:38		10.000			50.00		1.369	
62	16:33		10.000			50.00		0.769	
63	17:18		20.000			50.00		0.299	
64	17:21	1.00	10.000	0.10	0.03	50.00	0.001	1.301	0.00
65	17:26	1.00	10.000	0.10	0.30	50.00	0.007	1.126	0.01
66	17:25	1.00	10.000	0.10	0.04	50.00	0.001	1.203	0.00
67	20:37	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:37		10.000			50.00		1.664	
69	19:35		10.000			50.00		1.323	
70	19:38		10.000			50.00		1.176	
71	20:27		10.000			50.00		1.116	
72	24:36		10.000			50.00		1.013	
73	24:44		10.000			50.00		0.980	
74	25:50		10.000			50.00		0.987	
75	5:55	0.97	0.742	1.05	29.09	50.00	0.960	1.651	0.58
76	7:06	0.98	0.948	1.00	22.10	50.00	1.029	2.328	0.44
77	8:14	0.99	0.875	1.02	18.61	50.00	0.196	0.526	0.37
78	10:40	1.00	0.906	1.01	22.55	50.00	0.561	1.244	0.45
79	12:41	1.00	1.118	0.98	27.71	50.00	0.046	0.083	0.55
80	15:50	1.00	0.907	1.01	27.98	50.00	0.557	0.996	0.56
81	15:36	1.00	0.906	0.99	29.11	50.00	0.739	1.269	0.58

COMPUCHEM LABS

LIBRARY SEARCH
05/19/85 16:36:00 + 14:58
SAMPLE: 1UL CC#49973 (5-7-85) CASE#BLANK-2

DATA: GH049973A22 # 979
ENHANCED (10B 2N 0T)

BASE M/E: 55
RIC: 1331190.



CASE#: Sea Testing DUE DATE: 5/28

SEMI-VOLATILE
GC/MS WORKSHEET COMPUCHEM#: 49973 J1[ ] R1[ ] D1[ ] (;1)

J2[ ] R2[ ] D2[ ] (;1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---056
Instrument Code---254
Compound List---142
Surrogate Std---392
Internal Std---035 (added by GC/MS)

SAS: EPA#: BLANK 2

GC/MS ANALYSIS
Volumes mixed: BN 100 ul Acid 100 ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 1 ul
Date of Sample Bottle Analyzed 5/19/85
DFTPP Filename DH5D519A22 Disk (213)
Standard Filename HG5D519A22 Disk ( )
Sample Filename GH4949JA22 Disk ( )

ANALYST(S): Injection 644 Work-up 975

GC/MS REVIEW

CONDITION CODE: A

Entry Codes DK,EA,JA, ES,AL,AH,PL,PH,FL,JS
FH,HL,HX,YL,BL,SH,SM,YH

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,DT,NS
ED,IF,LA,DI,CO,RH,DW,DA

Disposition: [✓] Complete

Extraneous Peak Search Results:
# of Peaks Found: 1

[ ] Reinjection required

[ ] Reextraction required

Quality Assurance Notice(s):
Notices Required

[ ] Dilute (;1)

COMMENTS: pk 20 < 20-BR Mef

[ ] Reinject Neat

[ ] Send to QA

GC/MS Review JK Date 5/20/85 Auditor Date / /

REPORT INTEGRATION Total # of Injections: 1
Final Reportable Package(s): SAS—A22

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

(11/84)

No	CC ID#	Lab Code	Compound Name	Quant Report Value	X	Result(#) (ug/L)	Detectio Limit (ug/L)
2	441	___	N-NITROSODIMETHYLAMINE (Q1#2) <62-			BDL	20.0
3	610	___	PHENOL (Q1#3) <108-95-2>			BDL	20.0
4	473	___	ANILINE (Q1#4) <62-53-3>			BDL	20.0
5	411	___	BIS(2-CHLOROETHYL)ETHER (Q1#5) <11			BDL	20.0
6	601	___	2-CHLOROPHENOL (D1#6) <95-57-8>			BDL	20.0
7	421	___	1,3-DICHLOROBENZENE (Q1#7) <541-73			BDL	20.0
8	422	___	1,4-DICHLOROBENZENE (Q1#8) <10[illegible]-46			BDL	20.0
9	474	___	BENZYL ALCOHOL (Q1#9) <100-51-6>			BDL	20.0
10	420	___	1,2-DICHLOROBENZENE (Q1#10) <95-50			BDL	20.0
11	620	___	2-METHYLPHENOL (Q1#11) <95-48-7>			BDL	20.0
12	412	___	BIS(2-CHLOROISOPROPYL)ETHER (Q1#12			BDL	20.0
13	622	___	4-METHYLPHENOL (Q1#13) <106-44-5>			BDL	20.0
14	442	___	N-NITROSO-DI-N-PROPYLAMINE (Q1#14)			BDL	20.0
15	436	___	HEXACHLOROETHANE (Q1#15) <67-72-1>			BDL	20.0
16	440	___	NITROBENZENE (Q1#16) <98-95-3>			BDL	20.0
18	438	___	ISOPHORONE (Q2#2) <78-59-1>			BDL	20.0
19	606	___	2-NITROPHENOL (Q2#3) <88-75-5>			BDL	20.0
20	603	___	2,4-DIMETHYLPHENOL (Q2#4) <105-67-			BDL	20.0
21	625	___	BENZOIC ACID (Q2#5) <65-85-0>			BDL	100.0
22	410	___	BIS(2-CHLOROETHOXY)METHANE (Q2#6)			BDL	20.0
23	602	___	2,4-DICHLOROPHENOL (Q2#7) <120-83-			BDL	20.0
24	446	___	1,2,4-TRICHLOROBENZENE (Q2#8) <120			BDL	20.0
25	439	___	NAPHTHALENE (Q2#9) <91-20-3>			BDL	20.0
26	475	___	4-CHLOROANILINE (Q2#10) <106-47-8>			BDL	20.0
27	434	___	HEXACHLOROBUTADIENE (Q2#11) <87-68			BDL	20.0
28	608	___	P-CHLORO-M-CRESOL (Q2#12) <59-50-7			BDL	20.0
29	477	___	2-METHYLNAPHTHALENE (Q2#13) <91-57			BDL	20.0
31	435	___	HEXACHLOROCYCLOPENTADIENE (Q3#2) <			BDL	20.0
32	611	___	2,4,6-TRICHLOROPHENOL (Q3#3) <88-0			BDL	20.0
33	626	___	2,4,5-TRICHLOROPHENOL (Q3#4) <95-9			BDL	100.0
34	416	___	2-CHLORONAPHTHALENE (Q3#5) <91-58-			BDL	20.0
35	478	___	2-NITROANILINE (Q3#6) <88-74-4>			BDL	100.0
36	425	___	DIMETHYL PHTHALATE (Q3#7) <131-11-			BDL	20.0
37	402	___	ACENAPHTHYLENE (Q3#8) <208-96-8>			BDL	20.0
38	479	___	3-NITROANILINE (Q3#9) <99-09-2>			BDL	100.0
39	401	___	ACENAPHTHENE (Q3#10) <83-32-9>			BDL	20.0
40	605	___	2,4-DINITROPHENOL (Q3#11) <51-28-5			BDL	100.0
41	607	___	4-NITROPHENOL (Q3#12) <100-02-7>			BDL	100.0
42	476	___	DIBENZOFURAN (Q3#13) <132-64-9>			BDL	20.0
43	427	___	2,4-DINITROTOLUENE (Q3#14) <121-14			BDL	20.0
44	428	___	2,6-DINITROTOLUENE (Q3#15) <606-20			BDL	20.0
45	424	___	DIETHYL PHTHALATE (Q3#16) <84-66-2			BDL	20.0
46	417	___	4-CHLOROPHENYL PHENYL ETHER (Q3#17			BDL	20.0
47	432	___	FLUORENE (Q3#18) <86-73-7>			BDL	20.0
48	480	___	4-NITROANILINE (Q3#19) <100-01-6>			BDL	100.0
50	604	___	4,6-DINITRO-2-METHYLPHENOL (Q4-1			BDL	100.0
51	443	___	N-NITROSODIPHENYLAMINE (Q4#3) <86-			BDL	20.0
52	414	___	4-BROMOPHENYL PHENYL ETHER (Q4#4)			BDL	20.0
53	433	___	HEXACHLOROBENZENE (Q4#5) <118-74-1			BDL	20.0
54	609	___	PENTACHLOROPHENOL (Q4#6) <87-86-			BDL	100.0
55	444	___	PHENANTHRENE (Q4#7) <85-01-8>			BDL	20.0
56	403	___	ANTHRACENE (Q4#8) <120-12-7>			BDL	20.0
57	426	___	DI-N-BUTYL PHTHALATE (Q4#9) <84-74			BDL	20.0
58	431	___	FLUORANTHENE (Q4#10) <206-44-0>			BDL	20.0

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(#) (ug/L)	Detectic Limit (ug/L)
60	404	___	BENZIDINE (Q5#2) <92-87-5>			BDL	100.0
61	445	___	PYRENE (Q5#3) <129-00-0>			BDL	20.0
62	415	___	BUTYLBENIYL PHTHALATE (Q5#4) <85-6			BDL	20 0
63	423	___	3,3'-DICHLOROBENZIDINE (Q5#5) <91-			BDL	40.0
64	405	___	BENZD(A)ANTHRACENE (Q5#6) <56-55-3			BDL	20.0
65	413	___	BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7)			BDL	20.0
66	418	___	CHRYSENE (Q5#8) <218-01-9>			BDL	20.0
68	429	___	DI-N-OCTYL PHTHALATE (Q6#2) <117-8			BDL	20.0
69	407	___	BENZO(B)FLUORANTHENE (Q6#3) <205-9			BDL	20 0
70	409	___	BENZO(K)FLUORANTHENE (Q6#4) <207-0			BDL	20.0
71	406	___	BENZO(A)PYRENE (Q6#5) <50-32-8>			BDL	20.0
72	437	___	INDENO(1,2,3-C,D)PYRENE (Q6#6) <19			BDL	20.0
73	419	___	DIBENZO(A,H)ANTHRACENE (Q6#7) <53-			BDL	20.0
74	408	___	BENZO(G,H,I)PERYLENE (Q6#8) <191-2			BDL	20.0

KR

No	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P
75	##	2-FLUOROPHENOL (SS#1)	29.1	50.0	58.0	23-121	X
76	##	D5-PHENOL (SS#2)	23.1	50.0	44.0	15-103	X
77	##	D5-NITROBENZENE (SS#3)	18.6	25.0	74.0	41-120	X
78	##	2-FLUOROBIPHENYL (SS#4)	22.5	25.0	90.0	44-119	X
79	##	2,4,6-TRIBROMOPHENOL (SS#5)	27.7	50.0	55.0	10-130	X
80	##	D14-TERPHENYL (SS#6)	29.0	25.0	112.0	33-128	X
81	##	D10 PYRENE	29.1	25.0	116.0	33-128*	X

* Advisory surrogate only
++ % recovery = Quant report value / Quant report amount spiked X 100 %

P P

Internal Standard (#52) D10-Phenanthrene > 40000 Cnts ___ ___

Correction Factor Calculation:

$$\frac{\text{Final Extract Volume (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{1000\ \text{ml}}{\text{Vol Sample Extracted (ml)}} \times \text{Dilution Factor} \times 2 =$$

$$\frac{1.0\text{ml}}{1.0\text{ml \& 1.0ml}} \times \frac{1000\ \text{ml}}{1000\ \text{ml}} \times \frac{1.0}{} \times 2 = 2.000$$

Quant Report amount spiked conversion factor:

$$\frac{500\ \text{ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \text{GCMS Dilution Factor} \times 2 =$$

$$\frac{500\ \text{ul}}{500\ \text{ul}} \times \frac{1.0\text{ml}}{1.0\text{ml \& 1.0ml}} \times \frac{1.0}{} \times 2 = 2.000$$

(3)

EXTRACTION WORKSHEET

Semi-Volatiles/Miscellaneous

ASSIGNED TO Cyril (OK H)

DATE ASSIGNED 5/7/85

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
49861	-56	GENTEST	50705-G			1000ml		1.0ml	1.0ml		13	1	5/7	
49972						1000 ml		1.0ml	1.0ml		13	1	5/7	
49973						1000 ml		1.0ml	1.0ml		13	1	5/7	

		S-Vol	Acid	B/N	Pest	TCDO	Other
SURROGATE	NO.	393					
	AMT.	0.5ml					
	LOT	14588					
SPIKE	NO						
	AMT						
	LOT						

MANUAL COUNTER 272/442

FINAL VOLUME VERIFIED OK (DC)

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY SD 5/7/85

5/8

Nº 6083

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

Sample Number
50705 MS

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: CM049808812
Sample matrix: liquid
Data Release Authorized By: _____

Case: GEN TEST
QC Report No: 291/314
Contract No:
Date Sample Received:

Volatile Compounds

Concentration: low
Date extracted/prepared: 5-9-85
Date analyzed: 5-8-85
Conc/Dil Factor: 1.00
Percent moisture: N/A
Percent moisture (decanted):
pH:

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	5.9	B	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	7.2	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	8.2		127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

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

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.		None			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
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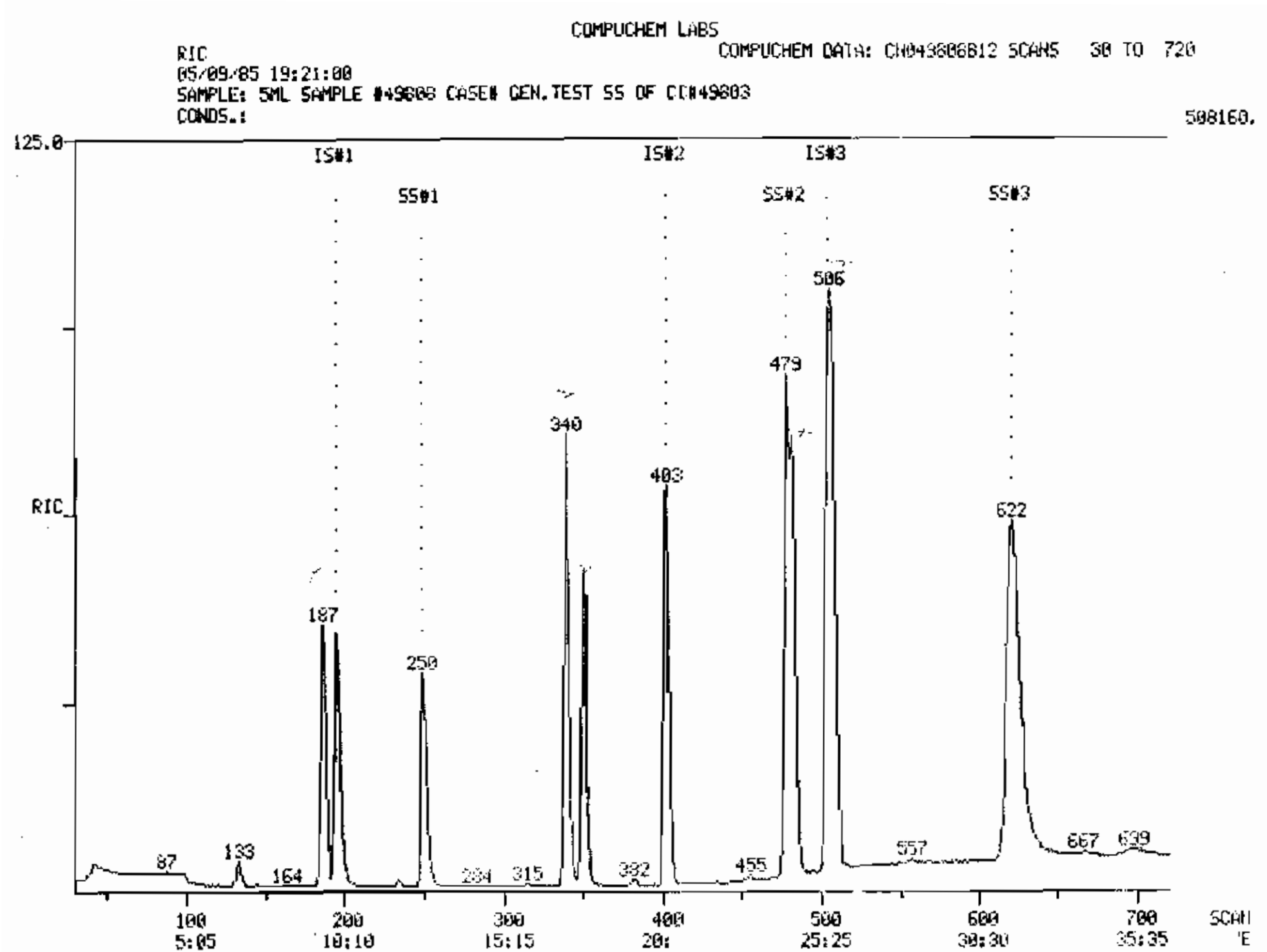
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					


COMPUCHEM LABS
RIC
COMPUCHEM DATA: CH043006B12 SCANS 30 TO 720
05/09/85 19:21:00
SAMPLE: 5ML SAMPLE #49800 CASE# GEN.TEST 55 OF CC#49803
CONDS.:
508160.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
506
479
340
403
622
187
250
RIC
87
133
164
284
315
382
455
557
667
699
100
5:05
200
10:10
300
15:15
400
20:
500
25:25
600
30:30
700
35:35
SCAN
E

Internal Standard Area Monitor

Method: E237 Filename: CN049B08B12 Date: 05/09/85
Shift Std: CS850509B12 Time: 19:21

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
* BROMOCHLOROMETHANE (IS)	116306.	133457.	-13.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	471827.	512684.	-7.	Pass
* D5 CHLOROBENZENE(INTERNAL STANDARD)	425777.	467399.	-8.	Pass

PROCEDURE: RH
DATA FILE: CN045
REFERENCE: E237
METHOD: E237 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E23TS

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	ZT	42	12	1	56	E237S/E237U

42 COMPOUNDS PROCESSED, 12 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	1	-173	176	176	.	1	977	.	120	176	.	1
2	E2	1	-399	403	403	.	1	997	.	114	403	.	1
3	E3	1	-501	505	505	.	1	962	.	11T	505	.	1
4	E1	2	-34	36	.	.	.	.	.	50	.	.	.
5	E1	3	-54	56	.	.	.	.	.	94	.	.	.
6	E1	4	-69	71	.	.	.	.	.	62	.	.	.
7	E1	5	-89	91	.	.	.	.	.	64	.	.	.
8	E1	6	-131	133	133	.	1	963	.	84	133	.	1
9	E1	7	-143	145	.	.	.	.	.	43	145	.	1
10	E1	8	-162	165	.	.	.	.	.	76	164	.	1
11	E1	9	-185	188	187	-1	1	981	.	96	187	.	1
12	E1	10	-210	213	.	.	.	.	.	63	212	.	1
13	E1	11	-224	227	.	.	.	.	.	96	226	.	1
14	E1	12	-234	237	.	.	.	.	.	83	237	.	1
15	E1	13	-249	252	.	.	.	.	.	62	252	.	1
16	E2	2	-247	250	.	.	.	.	.	72	250	.	1
17	E2	3	-276	279	.	.	.	.	.	97	279	.	1
18	E2	4	-284	287	.	.	.	.	.	117	.	.	.
19	E2	5	-285	288	.	.	.	.	.	43	.	.	.
20	E2	6	-293	296	.	.	.	.	.	83	.	.	.
21	E2	7	-321	324	.	.	.	.	.	63	.	.	.
22	E2	8	-326	329	.	.	.	.	.	75	.	.	.
23	E2	9	-337	340	340	.	1	974	.	130	340	.	1
24	E2	10	-349	352	.	.	.	.	.	129	.	.	.
25	E2	11	-351	354	.	.	.	.	.	97	.	.	.
26	E2	12	-347	350	351	1	1	993	.	78	351	.	1
27	E2	13	-351	354	.	.	.	.	.	75	351	.	1
28	E2	14	-373	376	.	.	.	.	.	63	.	.	.
29	E2	15	-403	406	.	.	.	.	.	1T3	407	.	1
30	E3	2	-414	417	.	.	.	.	.	43	418	.	1
31	E3	3	-446	449	.	.	.	.	.	43	446	.	1
32	E3	4	-451	454	.	.	.	.	.	164	455	.	1
33	E3	5	-450	453	.	.	.	.	.	83	454	.	1
34	E3	6	-479	483	482	-1	1	981	.	92	482	.	1
35	E3	7	-504	508	507	-1	1	986	.	112	508	1	1
36	E3	8	-553	557	.	.	.	.	.	106	558	.	1
37	E3	9	-658	662	.	.	.	.	.	104	663	.	1
38	E3	10	-667	671	.	.	.	.	.	106	671	.	2
39	E3	11	-694	698	.	.	.	.	.	106	698	.	2
40	E4	2	-247	250	250	.	1	978	.	65	250	.	1
41	E4	3	-618	622	622	.	1	991	.	95	622	.	1
42	E4	4	-475	479	478	-1	1	989	.	98	478	.	1

QUANTITATION REP

DATA: CN049B08B12.TI
05/09/85 19:21:00
SAMPLE: 5ML SAMPLE #49B08 CASE# GEN.TEST 6S OF CC#49803
CONDS. :
'BMITTED BY: 12 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
T	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENZENE (INTERNAL STANOARD)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLDROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLOROMETHANE
20	21T 1,2-DICHLORDPROPANE
'1	250 TRANS-1,3-DICHLOROPROPENE
.2	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	218 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	205 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLOROETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	196	9:58	1	1.000	A BV	116507.	50.000 UG/L	8.16
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	133	6:46	1	0.679	A BB	15600.	5.973 UG/L	0.97
7	43	145	7:22	1	0.740	A BB	3654.	7.249 UG/L	1.18
8	76	164	8:20	1	0.837	A BB	447.	0.861 UG/L	0.01
9	96	187	9:30	1	0.954	A BB	135723.	54.861 UG/L	8.95
10	63	212	10:47	1	1.082	A BB	578.	0.194 UG/L	0.02
11	96	226	11:29	1	1.153	A BB	814.	0.324 UG/L	0.05
12	83	237	12:03	1	1.209	A BB	889.	0.158 UG/L	0.03
13	62	252	12:49	1	1.286	A BB	29767.	8.241 UG/L	1.34
14	114	403	20:29	14	1.800	A BV	4T1830.	50.000 UG/L	8.16
15	72	250	12:42	14	8.620	A BB	2119.	9.135 UG/L	1.49
16	97	279	14:11	14	0.692	A BB	382.	0.079 UG/L	0.01
17	117	NOT FOUND							
18	43	NOT FOUND							
19	83	NOT FOUND							
20	63	NOT FOUND							
21	75	NOT FOUND							
22	130	340	17:17	14	0.844	A BB	223863.	48.415 UG/L	7.90
23	129	NOT FOUND							
24	97	NOT FOUND							
25	78	351	17:51	14	0.871	A BV	339668.	53.222 UG/L	8.68
26	75	351	17:51	14	0.871	A BB	8713.	1.448 UG/L	0.24
27	63	NOT FOUND							
28	173	407	20:41	14	1.010	A BB	576.	0.131 UG/L	0.02
29	117	505	25:40	29	1.000	A BV	425778.	50.000 UG/L	8.16
30	43	418	21:15	29	0.828	A BB	3363.	1.365 UG/L	0.22
31	43	446	22:40	29	0.883	A BB	4336.	2.703 UG/L	0.44
32	164	455	23:08	29	0.901	A BB	695.	0.152 UG/L	0.02
33	83	454	23:05	29	0.899	A BV	2905.	0.T03 UG/L	0.11
34	92	482	24:30	29	0.954	A BB	248041.	49.786 UG/L	8.12
35	112	508	25:49	29	1.006	A BV	387408.	47.812 UG/L	7.80
36	106	558	28:22	29	1.105	A BB	1863.	0.432 UG/L	0.07
37	104	663	33:42	29	1.313	A BV	3958.	0.379 UG/L	0.06
38	106	671	34:07	29	1.329	A*BB	3877.	0.665 UG/L	0.11
39	106	698	35:29	29	1.382	A*BB	7055.	1.258 UG/L	0.21
40	65	250	12:42	1	1.276	A BB	206389.	57.180 UG/L	9.33
41	95	622	31:37	29	1.232	A BB	367026.	53.663 UG/L	8 76
42	96	478	24:18	1	2.439	A BB	475528.	57.312 UG/L	9.35

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:49	1.02	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.880	
3	2:45		10.000			50.00		1.474	
4	3:30		10.000			50.00		1.198	
5	4:31		10.000			50.00		0.626	
6	6:40	1.02	5.000	0.14	5.97	50.00	0.134	1.121	0.12
7	7:16	1.01	10.000	0.07	7.25	50.00	0.031	0.216	0.14
8	8:14	1.01	5.000	0.17	0.06	50.00	0.004	3.133	0.00
9	9:24	1.01	5.000	0.19	54.86	50.00	1.165	1.062	1.10
10	10:40	1.01	5.000	0.22	0.13	50.00	0.005	1.852	0.00
11	11:23	1.81	5.000	0.23	0.32	50.00	0.007	1.077	0.01
12	11:54	1.01	5.000	0.24	0.16	50.00	0.008	2.421	0.00
13	12:39	1.01	5.000	0.26	8.24	50.00	0.255	1.550	0.16
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	9.14	50.00	0.004	0.025	0.18
16	14:02	1.01	5.000	0.14	0.08	50.00	0.001	0.515	0.00
17	14:26		5.000			50.00		0.546	
18	14:29		10.000			50.00		0.417	
7	14:54		5.000			50.00		0.596	
8	16:19		5.000			50.00		0.335	
21	16:34		5.000			50.00		0.234	
22	17:08	1.01	5.000	0.17	48.42	50.00	0.474	0.490	0.97
23	17:44		5.000			50.00		0.541	
24	17:51		5.000			50.00		0.303	
25	17:38	1.01	5.000	0.17	53.22	50.00	0.720	0.676	1.06
26	17:51	1.00	5.000	0.17	1.45	50.00	0.018	0.638	0.03
27	18:58		10.000			50.00		0.190	
28	20:29	1.01	5.000	0.20	0.13	50.00	0.001	0.467	0.00
29	25:28	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.01	10.000	0.08	1.37	50.00	0.008	0.289	0.03
31	22:40	1.00	10.000	0.09	2.70	50.00	0.010	0.188	0.05
32	22:56	1.01	5.000	0.18	0.15	50.00	0.002	0.538	0.00
33	22:52	1.01	5.000	0.18	0.70	50.00	0.007	0.486	0.01
34	24:21	1.01	5.000	0.19	49.79	50.00	0.583	0.585	1.00
35	25:37	1.01	5.000	0.20	47.81	50.00	0.910	0.952	0.96
36	26:07	1.01	5.000	0.22	0.43	50.00	0.004	0.507	0.01
37	33:27	1.01	5.000	0.26	0.38	50.00	0.009	1.226	0.01
38	33:54	1.01	5.000	0.27	0.67	50.00	0.009	0.685	0.01
39	35:17	1.01	5.000	0.28	1.26	100.00	0.008	0.659	0.01
40	12:33	1.01	10.000	0.13	57.18	50.00	1.771	1.547	1.14
41	31:25	1.01	10.000	0.12	53.66	50.00	0.862	0.803	1.07
42	24:09	1.01	10.000	0.24	57.31	50.00	4.082	3.561	1.15

CASE IDENT/TEST ... DUE LAB ...

VOA
GC/MS WORKSHEET   COMPUCHEM#: 49808

J1 [ ] J3[ ] D1 [ ] (:1)
J2[ ] J4[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---000
Instrument Code---756
Compound List---145
Surrogate Std---394
Internal Std---036

SAS.   EPA# SS   24/3/4

GC/MS ANALYSIS
Amount Purged: [✓] 5mls or [ ]   Dilution_____ul-5000ul Sparged
Internal Standard Volume Added____5.0__ul
Surrogate Standard Volume Added   5.0 __ul   + ical spk
BFB Filename__BF850509A12____Disk(122)
Blank Filename__CC850509A12___Disk ( )
Standard Filename CS850509B12 __Disk ( )
Sample Filename CN049808B12 __Disk (122)

Analyzed By   Injection 7/9   Workup 7/9

GC/MS REVIEW

CONDITION CODE   OK

Entry Codes CN,U3,SM,RL,SM,U4,DA

Non-Entry Codes IM,IL,IP,SU,CT,CS,RC,RR
IF,LR,PI,DJ,RN,DN,SI,SP
UF,SE,DT,VC,RC,SM

[X] ... Data

Unknowns Peak Search Results
# of Peaks Found   φ

[ ] Reinject Neat

[ ] Dilute (:1)

Blank Unknowns Results
Matches Reported

... SS of 49803

... SUB Date 5/10/85 ... Date / /

REPORT INFORMATION   Total # of Injections:______
Final ... Report ... Date(s):

COMMENTS

Initials ____ Date / /

FINAL NUMBER   Initials ____ Date / /

5/12/85

Volatile - Medium or Low Level Liquid

No	CC ID#	Lab Coe	Compound Name	Quant Report Value	X	Result(*) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	5.9		6.0 B	5.0
7	252	___	ACETONE (2-PROPANONE)	7.2		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE	54.9		55.0	5.0
10	214	___	1,1-DICHLOROETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE	8.2		8.2	5.0
15	253	___	2-BUTANONE	~~9.1~~		BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE	48.4		48.0	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENIENE	53.2		53.0	5.0
26	21E	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
27	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE	49.6		50.0	5.0
35	207	___	CHLOROBENIENE	47.8		48.0	5.0
36	219	___	ETHYLBENIENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/	___	241 O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
40	D4-1,2-DICHLOROETHANE	57.2	50.0	114.0	77-120	X	
41	BROMOFLUOROBENZENE	53.7	50.0	107.0	85-121	X	
42	D8-TOLUENE	57.3	50.0	115.0	86-119	X	

* Advisory surrogate only

++ % recovery = Quant report value / Quant report amount spiked X 100 %

	P	F
Internal Standard (#1) Bromochloromethane > 10000 Counts	X	

Correction Factor Calculation:

$$\frac{5000 \text{ ul}}{\text{Volume of Sample Purged (ul)}} =$$

$$\frac{5000 \text{ ul}}{5000. \text{ (ul)}} = 1.000$$

ant Report amount spiked conversion factor:

The surrogates are added to the sample prior to sparging.
Surrogate spike conversion factor = 1.

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

Sample Number
55705 KS
C

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: low
Date extracted/prepared: 05-24-85
Date analyzed: 05-25-85
Conc/Dil Factor: 2.00

CAS Number		ug/l		CAS Number		ug/l	
62-75-9	N-Nitrosodimethylamine	20.	U	99-09-2	3-Nitroaniline	100	U
108-95-2	Phenol	20.	U	83-32-9	Acenaphthene	20.	U
62-53-3	Aniline	20.	U	51-28-5	2,4-Dinitrophenol	100	U
111-44-4	bis(2-Chloroethyl) ether	20.	U	100-02-7	4-Nitrophenol	100	U
95-57-8	2-Chlorophenol	20.	U	132-64-9	Dibenzofuran	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U	121-14-2	2,4-Dinitrotoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U	606-20-2	2,6-Dinitrotoluene	20.	U
100-51-6	Benzyl Alcohol	20.	U	84-66-2	Diethylphthalate	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U	7005-72-3	4-Chlorophenyl Phenyl ether	20.	U
95-48-7	2-Methylphenol	20.	U	86-73-7	Fluorene	20.	U
39638-32-9	bis(2-Chloroisopropyl) ether	20.	U	100-01-6	4-Nitroaniline	100	U
106-44-5	4-Methylphenol	20.	U	534-52-1	4,6-Dinitro-2-methylphenol	100	U
621-64-7	N-Nitroso-Dipropylamine	20.	U	86-30-6	N-nitrosodiphenylamine (1)	20.	U
67-72-1	Hexachloroethane	20.	U	101-55-3	4-Bromophenyl Phenyl ether	20.	U
98-95-3	Nitrobenzene	20.	U	118-74-1	Hexachlorobenzene	20.	U
78-59-1	Isophorone	20.	U	87-86-5	Pentachlorophenol	100	U
88-75-5	2-Nitrophenol	20.	U	85-01-8	Phenanthrene	20.	U
105-67-9	2,4-Dimethylphenol	20.	U	120-12-7	Anthracene	20.	U
65-85-0	Benzoic Acid	100	U	84-74-2	Di-n-butylphthalate	20.	U
111-91-1	bis(2-Chloroethoxy) methane	20.	U	206-44-0	Fluoranthene	20.	U
120-83-2	2,4-Dichlorophenol	20.	U	92-87-5	Benzidine	100	U
120-82-1	1,2,4-Trichlorobenzene	20.	U	129-00-0	Pyrene	20.	U
91-20-3	Naphthalene	20.	U	85-68-7	Butyl Benzyl Phthalate	20.	U
106-47-8	4-Chloroaniline	20.	U	91-94-1	3,3'-Dichlorobenzidine	40.	U
87-68-3	Hexachlorobutadiene	20.	U	56-55-3	Benzo(a)anthracene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U	117-81-7	bis(2-ethylhexyl)phthalate	20.	U
91-57-6	2-Methylnaphthalene	20.	U	218-01-9	Chrysene	20.	U
77-47-4	Hexachlorocyclopentadiene	20.	U	117-84-0	Di-n-octyl Phthalate	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U	205-99-2	Benzo(b)fluoranthene	20.	U
95-95-4	2,4,5-Trichlorophenol	100	U	207-08-9	Benzo(k)fluoranthene	20.	U
91-58-7	2-Chloronaphthalene	20.	U	50-32-8	Benzo(a)pyrene	20.	U
88-74-4	2-Nitroaniline	100	U	193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
131-11-3	Dimethyl Phthalate	20.	U	53-70-3	Dibenz(a,h)anthracene	20.	U
208-96-8	Acenaphthylene	20.	U	191-24-2	Benzo(g,h,i)perylene	20.	U

(1) Cannot be separated from diphenylamine

50705C M2

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	111-46-6	unknown ETHANOL,2,2'-OXYBIS-	SEMI1	460	11.	J
2	95-57-8	PHENOL,2-CHLORO-	SEMI1	483	38.	J
	36653-82-4	unknown 1-HEXADECANOL	SEMI1	918	14.	J
	629-74-3	Lgt b Hydrocarbon 1-HEXADECYNE	SEMI1	985	450.	J
	3854-92-8	unknown 3-PENTANOL,2,3,4-TRIMETHYL-	SEMI1	1075	10.	J

SG
5/13/92

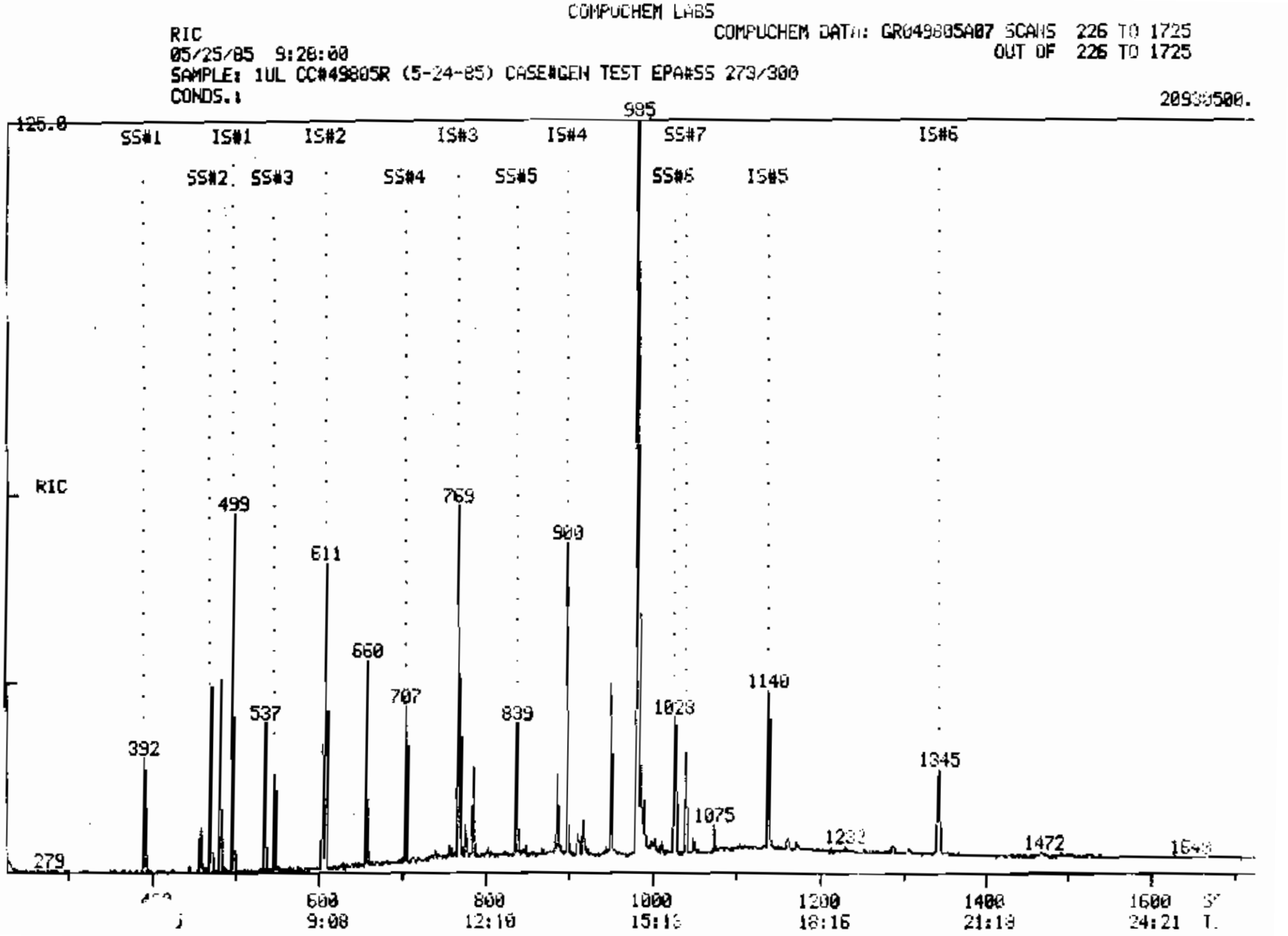
QUALITY ASSURANCE NOTICE
sample # 4485
fraction SL

Peaks on the RIC of this sample at the retention times (scans) listed below were identified as laboratory artifacts. This was concluded from e comparison of tentatively identified compound spectra and retention times found by the Library Search routine of the sample and its associated method blank. These compounds should not be considered actual constituents of this sample fraction.

scans: 918

JC
5/24/85

QAN10S
850218


COMPUCHEM LABS
RIC
COMPUCHEM DATA: GR04980SA07 SCANS 226 TO 1725
05/25/85 9:20:00
OUT OF 226 TO 1725
SAMPLE: 1UL CC#49805R (5-24-85) CASE#GEN TEST EPA#SS 279/300
CONDS.:
20930500.
125.0
985
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#8
IS#5
RIC
499
769
900
611
660
1140
707
537
839
1028
392
1345
1075
1472
279
600
800
1000
1200
1400
1600
9:08
12:10
15:13
18:16
21:19
24:21

PROCEDURE: RK DIAGNOSTIC REPORT 5/25/[illegible] 10:53:33
DATA FILE: GR049B05A07
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI1S1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
LOC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
4	4	1	0	53	15	1	118	SEMI1S1/SEMI1U1
3	3	1	51	28	9	1	47	SEMI1S2/SEMI1U2

81 COMPOUNDS PROCESSED, 24 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	G1	1	-498	499	499	.	1	966	.	152	499	.	1
2	G3	1	-768	769	769	.	1	993	.	164	769	.	1
3	G2	1	-610	611	611	.	1	989	.	136	611	.	1
4	G7	2	-391	392	392	.	1	910	.	112	392	.	1
5	G1	2	-256	258	.	.	.	.	.	42	.	.	.
6	G1	3	-471	472	.	.	.	.	.	94	472	.	1
7	G1	4	-473	474	.	.	.	.	.	93	472	.	1
8	G1	5	-478	479	.	.	.	.	.	93	.	.	
9	G1	6	-482	483	.	.	.	.	.	128	483	.	1
10	G1	7	-495	496	500	4	1	932	.	146	500	.	1
11	G1	8	-499	500	500	.	1	938	.	146	500	.	1
12	G1	9	-511	512	.	.	.	.	.	108	.	.	.
13	G1	10	-515	516	.	.	.	.	.	146	.	.	.
14	G1	11	-522	523	.	.	.	.	.	108	.	.	.
15	G1	12	-525	526	.	.	.	.	.	45	526	.	2
16	G1	13	-534	535	.	.	.	.	.	108	.	.	.
17	G1	14	-537	538	537	-1	1	871	.	70	537	.	2
9	G1	15	-543	544	.	.	.	.	.	117	.	.	.
7	G1	16	-550	551	.	.	.	.	.	77	548	.	1
20	G2	2	-570	571	.	.	.	.	.	82	570	.	2
21	G2	3	-578	579	.	.	.	.	.	139	.	.	.
22	G2	4	-581	582	.	.	.	.	.	122	.	.	.
23	G2	5	-589	590	.	.	.	.	.	122	.	.	.
24	G2	6	-589	590	.	.	.	.	.	93	593	.	2
25	G2	7	-598	599	.	.	.	.	.	162	598	.	1
26	G2	8	-606	607	607	.	1	953	.	180	607	.	1
27	G2	9	-612	613	.	.	.	.	.	128	.	.	.
28	G2	10	-617	618	.	.	.	.	.	127	.	.	.
29	G2	11	-628	629	.	.	.	.	.	225	.	.	.
30	G2	12	-659	660	660	.	1	909	.	107	660	.	1
31	G2	13	-673	674	.	.	.	.	.	142	.	.	.
32	G3	2	-693	694	.	.	.	.	.	237	.	.	.
33	G3	3	-700	701	.	.	.	.	.	196	.	.	.
34	G3	4	-700	701	.	.	.	.	.	196	.	.	.
35	G3	5	-716	716	.	.	.	.	.	162	.	.	.
36	G3	6	-727	727	.	.	.	.	.	65	724	.	2
37	G3	7	-746	746	.	.	.	.	.	163	746	.	2
38	G3	8	-754	754	.	.	.	.	.	152	756	.	1
39	G3	9	-727	727	.	.	.	.	.	138	.	.	.
40	G3	10	-771	771	771	.	1	967	.	153	771	.	1
41	G3	11	-773	773	.	.	.	.	.	184	.	.	.
42	G3	12	-785	785	.	.	.	.	.	139	782	.	2
43	G3	13	-785	785	.	.	.	.	.	168	.	.	.
1	G3	14	-787	787	787	.	1	919	.	89	787	.	1
5	G3	15	-752	752	.	.	.	.	.	165	753	.	3
46	G3	16	-809	809	.	.	.	.	.	149	808	.	2
47	G3	17	-815	815	.	.	.	.	.	204	.	.	.
48	G3	18	-816	816	.	.	.	.	.	166	.	.	.
49	G3	19	-820	820	.	.	.	.	.	138	815	.	2

52	G7	5	-707	708	707	-1	1	963	.	172	707	.
53	G7	6	-839	839	839	.	1	920	.	141	839	.
54	G4	1	-900	900	900	.	1	995	.	188	900	.
55	G5	1	-1139	1140	1140	.	1	987	.	240	1140	.
56	G6	1	-1342	1345	1345	.	1	997	.	264	1345	.
57	G4	2	-823	823	.	.	.	.	.	198	.	.
58	G4	3	-826	826	.	.	.	.	.	169	826	.
59	G4	4	-858	858	.	.	.	.	.	248	.	.
60	G4	5	-872	872	.	.	.	.	.	284	.	.
61	G4	6	-887	887	888	1	1	966	.	266	888	.
62	G4	7	-902	902	.	.	.	.	.	178	900	.
63	G4	8	-906	906	.	.	.	.	.	178	907	.
64	G4	9	-952	953	953	.	1	965	.	149	953	.
65	G4	10	-1008	1009	.	.	.	.	.	202	1007	.
66	G5	2	-1018	1019	.	.	.	.	.	184	.	.
67	G5	3	-1029	1030	1030	.	1	991	.	202	1030	.
68	G5	4	-1085	1086	.	.	.	.	.	149	1086	.
69	G5	5	-1133	1134	.	.	.	.	.	252	1131	.
70	G5	6	-1138	1140	.	.	.	.	.	228	1140	.
71	G5	7	-1139	1141	1140	-1	1	863	.	149	1140	.
72	G5	8	-1142	1144	.	.	.	.	.	228	.	.
73	G6	2	-1211	1213	.	.	.	.	.	149	1212	.
74	G6	3	-1281	1283	.	.	.	.	.	252	.	.
75	G6	4	-1281	1283	.	.	.	.	.	252	.	.
76	G6	5	-1333	1335	.	.	.	.	.	252	.	.
77	G6	6	-1585	1589	.	.	.	.	.	276	.	.
78	G6	7	-1590	1594	.	.	.	.	.	278	.	.
79	G6	8	-1659	1663	.	.	.	.	.	276	.	.
80	G7	7	-1040	1041	1041	.	1	962	.	244	1041	.
81	G8	2	-1027	1028	1028	.	1	926	.	212	1028	.

Method: SEMI1 Filename: QR049805A07 Date: 05/25/85
Shift Std: HQ850525C07 Time: 9:26

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
*** D4-1,4-DICHLOROBENZENE (IS#1)	1528990.	1563640.	-1.	Pass
*** D8-NAPHTHALENE (IS#2)	4289310.	4905690.	-12.	Pass
*** D10-ACENAPHTHENE (IS#3)	2222810.	2473720.	-9.	Pass
*** D10-PHENANTHRENE (IS#4)	3643480.	4007800.	-8.	Pass
*** D12-CHRYSENE (IS#5)	2250780.	2657500.	-14.	Pass
*** D12-PERYLENE (IS#6)	2308310.	2356030.	-1.	Pass

QUANTITATION REPO

DATA: GR049805A07.TI
05/25/85 9:28:00
SAMPLE: 1UL CC#49805R (5-24-85) CASE#GEN TEST EPA#SB 273/300
CONDS. :
SUBMITTED BY: 07 ANALYST: 644

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	610 PHENOL (Q1#3) <108-95-2>
4	473 ANILINE (Q1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
6	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
8	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
9	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
11	620 2-METHYLPHENOL (Q1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
13	622 4-METHYLPHENOL (Q1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
15	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
16	440 NITROBENZENE (Q1#16) <98-95-3>
17	*** D8-NAPHTHALENE (IS#2)
18	438 ISOPHORONE (Q2#2) <78-59-1>
19	606 2-NITROPHENOL (Q2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
1	625 BENZOIC ACID (Q2#5) <65-85-0>
2	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
25	439 NAPHTHALENE (Q2#9) <91-20-3>
26	475 4-CHLOROANILINE (Q2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLORDCYCLOPENTADIENE (Q3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
34	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
35	478 2-NITROANILINE (Q3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
37	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
38	479 3-NITROANILINE (Q3#9) <99-09-2>
39	401 ACENAPHTHENE (Q3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (Q3#11) <51-28-5>
41	607 4-NITROPHENOL (Q3#12) <100-02-7>
42	476 DIBENZOFURAN (Q3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
46	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
2	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLORDBENZENE (G4#5) <118-74-1>
54	609 PENTACHLORDPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	*** D12-CHRYSENE (IS#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
75	### 2-FLUOROPHENOL (SS#1)
76	### D5-PHENOL (SS#2)
77	### D5-NITROBENZENE (SS#3)
78	### 2-FLUOROBIPHENYL (SS#4)
79	### 2,4,6-TRIBROMOPHENOL (SS#5)
80	### D14-TERPHENYL (SS#6)
81	### D10 PYRENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	499	7:36	1	1.000	A BB	1528990.	40.000	NG	5.95
2	42	NOT FOUND								
3	94	472	7:11	1	0.946	A BB	1175960.	16.188	NG	2.41
4	93	472	7:11	1	0.946	A BB	28448.	0.436	NG	0.06
5	93	NOT FOUND								
6	128	483	7:21	1	0.968	A BV	1592790.	31.342	NG	4.67
7	146	500	7:37	1	1.002	A BB	964896.	16.032	NG	2.39
8	146	500	7:37	1	1.002	A BB	964896.	15.549	NG	2.31
9	108	NOT FOUND								
10	146	NOT FOUND								
11	108	NOT FOUND								
12	45	526	8:00	1	1.054	A*VB	9216.	0.054	NG	0.01
13	108	NOT FOUND								
14	70	537	8:10	1	1.076	A*BV	764255.	14.925	NG	2.22
15	117	NOT FOUND								
16	77	548	8:20	1	1.098	A BB	6592.	0.095	NG	0.01
17	136	611	9:18	17	1.000	A BV	428931D.	40.000	NG	5.95
18	82	570	8:40	17	0.933	A*VV	7072.	0.067	NG	0.01
19	139	NOT FOUND								

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	NOT FOUND								
21	122	NOT FOUND								
22	93	593	9:01	17	0.971	A*BB	4032.	0.078	NG	0.01
23	162	598	9:06	17	0.979	A BB	6976.	0.199	NG	0.03
	180	607	9:14	17	0.993	A BB	693440.	16.769	NG	2.50
	128	NOT FOUND								
26	127	NOT FOUND								
27	225	NOT FOUND								
28	107	660	10:03	17	1.080	A VV	1243260.	28.966	NG	4.31
29	142	NOT FOUND								
30	164	769	11:42	30	1.000	A BB	2222810.	40.000	NG	5.95
31	237	NOT FOUND								
32	196	NOT FOUND								
33	196	NOT FOUND								
34	162	NOT FOUND								
35	65	724	11:01	30	0.941	A*VB	4591.	0.140	NG	0.02
36	163	746	11:21	30	0.970	A*VV	12928.	0.157	NG	0.02
37	152	756	11:30	30	0.983	A BB	4768.	0.048	NG	0.01
38	138	NOT FOUND								
39	153	771	11:44	30	1.003	A BV	1302940.	18.717	NG	2.79
40	184	NOT FOUND								
41	139	782	11:54	30	1.017	A*VV	19232.	0.387	NG	0.06
42	168	NOT FOUND								
43	89	787	11:59	30	1.023	A VV	404672.	15.713	NG	2.34
44	165	753	11:28	30	0.979	A*VV	16004.	0.982	NG	0.15
45	149	808	12:18	30	1.051	A*VV	41840.	0.462	NG	0.07
46	204	NOT FOUND								
47	166	NOT FOUND								
48	138	819	12:28	30	1.065	A*VB	2592.	0.282	NG	0.04
49	188	900	13:42	49	1.000	A VV	3643480.	40.000	NG	5.95
	198	NOT FOUND								
	169	826	12:34	49	0.918	A*BB	6784.	0.156	NG	0.02
52	248	NOT FOUND								
53	284	NOT FOUND								
54	266	888	13:31	49	0.987	A VB	250528.	41.555	NG	6.19
55	178	900	13:42	49	1.000	A*VV	10033.	0.103	NG	0.02
56	178	907	13:48	49	1.008	A*VV	8286.	0.091	NG	0.01
57	149	953	14:30	49	1.059	A VV	2653960.	19.650	NG	2.92
58	202	1007	15:19	49	1.119	A*VV	24512	0.258	NG	0.04
59	240	1140	17:21	59	1.000	A VV	2250780.	40.000	NG	5.95
60	184	NOT FOUND								
61	202	1030	15:40	59	0.904	A VV	2120280.	23.278	NG	3.46
62	149	1086	16:32	59	0.953	A*VB	11812.	0.253	NG	0.04
63	252	1131	17:13	59	0.992	A BB	1536.	0.150	NG	0.02
64	228	1140	17:21	59	1.000	A BB	6176.	0.093	NG	0.01
65	149	1140	17:21	59	1.000	A VV	94412.	1.228	NG	0.18
66	228	NOT FOUND								
67	264	1345	20:28	67	1.000	A BV	2308310.	40.000	NG	5.95
68	149	1212	18:27	67	0.901	A BV	16582.	0.131	NG	0.02
69	252	NOT FOUND								
70	252	NOT FOUND								
71	252	NOT FOUND								
72	276	NOT FOUND								
73	278	NOT FOUND								
74	276	NOT FOUND								
75	112	392	5 58	1	0.786	A BV	1199640	22.713	NG	3 38

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	471	7:10	1	0.944	A BV	1075800.	16.160	NG	2.41
77	82	548	8:20	17	0.897	A VV	1047960.	17.450	NG	2.60
78	172	707	10:46	30	0.919	A BB	1602010.	19.994	NG	2.98
79	141	839	12:46	30	1.091	A VV	255942.	41.582	NG	6.19
80	244	1041	15:50	59	0.913	A VV	1514680.	24.512	NG	3.65
1	212	1028	15:39	59	0.902	A VV	1959000.	24.862	NG	3.70

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:54		10.000			50.00		1.764	
3	7:10	1.00	10.000	0.09	16.19	50.00	0.615	1.901	0.32
4	7:12	1.00	10.000	0.09	0.44	50.00	0.015	1.705	0.01
5	7:16		10.000			50.00		1.598	
6	7:20	1.00	10.000	0.10	31.34	50.00	0.833	1.329	0.63
7	7:32	1.01	10.000	0.10	16.03	50.00	0.505	1.574	0.32
8	7:36	1.00	10.000	0.10	15.55	50.00	0.505	1.623	0.31
9	7:47		10.000			50.00		0.768	
10	7:50		10.000			50.00		1.461	
11	7:57		10.000			50.00		1.099	
12	7:59	1.00	10.000	0.11	0.08	50.00	0.005	2.878	0.00
13	8:08		10.000			50.00		1.225	
14	8:10	1.00	10.000	0.11	14.92	50.00	0.400	1.340	0.30
15	8:16		10.000			50.00		0.735	
16	8:22	1.00	10.000	0.11	0.10	50.00	0.003	1.810	0.00
17	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:40	1.00	10.000	0.09	0.07	50.00	0.001	0.981	0.00
19	8:48		10.000			50.00		0.194	
20	8:50		10.000			50.00		0.358	
21	8:58		50.000			50.00		0.165	
22	8:58	1.01	10.000	0.10	0.08	50.00	0.001	0.485	0.00
23	9:06	1.00	10.000	0.10	0.20	50.00	0.001	0.327	0.00
1	9:13	1.00	10.000	0.10	16.77	50.00	0.129	0.386	0.34
25	9:19		10.000			50.00		1.114	
26	9:23		10.000			50.00		0.306	
27	9:33		10.000			50.00		0.222	
28	10:02	1.00	10.000	0.11	28.97	50.00	0.232	0.400	0.58
29	10:14		10.000			50.00		0.688	
30	11:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:33		10.000			50.00		0.305	
32	10:39		10.000			100.00		0.366	
33	10:39		50.000			100.00		0.388	
34	10:54		10.000			50.00		1.271	
35	11:04	1.00	50.000	0.02	0.14	50.00	0.002	0.589	0.00
36	11:21	1.00	10.000	0.10	0.16	50.00	0.005	1.482	0.00
37	11:28	1.00	10.000	0.10	0.05	50.00	0.002	1.775	0.00
38	11:04		50.000			50.00		0.408	
39	11:44	1.00	10.000	0.10	18.72	50.00	0.469	1.253	0.37
40	11:46		50.000			50.00		0.070	
41	11:57	1.00	50.000	0.02	0.39	50.00	0.007	0.895	0.01
42	11:57		10.000			50.00		1.665	
43	11:59	1.00	10.000	0.10	15.71	50.00	0.146	0.463	0.31
44	11:27	1.00	10.000	0.10	0.98	50.00	0.006	0.293	0.02
45	12:19	1.00	10.000	0.11	0.46	50.00	0.015	1.631	0.01
46	12:24		10.000			50.00		0.598	
47	12:25		10.000			50.00		1.313	
48	12:29	1.00	50.000	0.02	0.28	50.00	0.001	0.166	0.01

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:31		50.000			50.00		0.084	
51	12:34	1.00	10.000	0.09	0.16	50.00	0.001	0.476	0.00
52	13:03		10.000			50.00		0.212	
53	13:16		10.000			50.00		0.297	
54	13:30	1.00	50.000	0.02	41.55	50.00	0.055	0.066	0.83
55	13:44	1.00	10.000	0.10	0.10	50.00	0.002	1.069	0.00
56	13:47	1.00	10.000	0.10	0.09	50.00	0.002	0.999	0.00
57	14:29	1.00	10.000	0.11	19.65	50.00	0.583	1.483	0.39
58	15:20	1.00	10.000	0.11	0.26	50.00	0.005	1.042	0.01
59	17:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:29		50.000			50.00		0.006	
61	15:40	1.00	10.000	0.09	23.28	50.00	0.754	1.619	0.47
62	16:31	1.00	10.000	0.10	0.25	50.00	0.004	0.830	0.01
63	17:14	1.00	20.000	0.05	0.15	50.00	0.001	0.182	0.00
64	17:19	1.00	10.000	0.10	0.09	50.00	0.002	1.183	0.00
65	17:20	1.00	10.000	0.10	1.23	50.00	0.034	1.367	0.02
66	17:23		10.000			50.00		1.084	
67	20:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:26	1.00	10.000	0.09	0.13	50.00	0.006	2.193	0.00
69	19:30		10.000			100.00		1.126	
70	19:30		10.000			100.00		1.126	
71	20:17		10.000			50.00		1.029	
72	24:07		10.000			50.00		1.190	
73	24:12		10.000			50.00		0.979	
74	25:15		10.000			50.00		0.961	
75	5:57	1.00	0.742	1.06	22.71	50.00	0.628	1.382	0.45
76	7:09	1.00	0.948	1.00	16.16	50.00	0.563	1.742	0.32
77	8:20	1.00	0.875	1.03	17.45	50.00	0.195	0.560	0.35
78	10:46	1.00	0.906	1.01	19.99	50.00	0.577	1.442	0.40
79	12:46	1.00	1.118	0.98	41.58	50.00	0.092	0.111	0.83
80	15:50	1.00	0.907	1.01	24.51	50.00	0.538	1.098	0.49
81	15:38	1.00	0.906	1.00	24.86	50.00	0.696	1.400	0.50

CASE#: GEN TEST DUE DATE: 5/24

SEMI-VOLATILE
GS WORKSHEET COMPUCHEM#: 4980SR

J1[ ] R1[X] D1[ ] (:1)

J2[ ] R2[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---056
Instrument Code---254
Compound List---142
Surrogate Std---392
Internal Std---035 (added by GC/MS)

BAS: EPA#: SS 295/300

GC/MS ANALYSIS
Volumes mixed: BN 100 ul Acid 100 ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 1.0 ul
Date of Sample Bottle Analyzed 5/24/85
DFTPP Filename DF850525C07 Disk (78)
Standard Filename AG850525C07 Disk (78)
Sample Filename GB4980SA07 Disk (78)

ANALYST(S): Injection 644 Work-up

GC/MS REVIEW

CONDITION CODE [ ]

Entry Codes OK,EA,JA, ES,AL,AH,PL,PH,FL,JS
FH,HL,HH,YL,SL,SH,SH,YH

Non-Entry Codes IM,IL,IH,SW,CT,CS,PC,DT,NS
ED,IF,LA,DI,CO,RN,DW,DA

Disposition: [X] Complete

Extraneous Peak Search Results:
# of Peaks Found: 0

[ ] Reinjection required

Peaks Large

[ ] Reextraction required

Quality Assurance Notice(s):
Notices Required 1

[ ] Dilute (:1)

COMMENTS:

[ ] Reinject Neat

[ ] Send to QA

GC/MS Review [illegible] Date 5/30/85 Auditor Date / /

REPORT INTEGRATION Total # of Injections: 2
Final Reportable Package(s): 1-R /

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

ENTERED

EPAWATER (11/84)

Semi-Volatile - Liquid

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(#) (ug/l)	Detection Limit (ug/l)
	441	___	N-NITROSODIMETHYLAMINE (G1#2) <62-			BDL	20.0
3	610	___	PHENOL (G1#3) <108-95-2>	16.2		32.0	20.0
4	473	___	ANILINE (G1#4) <62-53-3>			BDL	20.0
5	411	___	BIS(2-CHLOROETHYL)ETHER (G1#5) <11			BDL	20.0
6	601	___	2-CHLOROPHENOL (G1#6) <95-57-8>	31.3		63.0	20.0
7	421	___	1,3-DICHLOROBENZENE (G1#7) <541-73	~~16.8~~		~~32.0~~ BDL	20.0
8	422	___	1,4-DICHLORDBENZENE (G1#8) <106-46	15.5		31.0	20.0
9	474	___	BENZYL ALCOHOL (G1#9) <100-51-6>			BDL	20.0
10	420	___	1,2-DICHLOROBENZENE (G1#10) <95-50			BDL	20.0
11	620	___	2-METHYLPHENOL (G1#11) <95-48-7>			BDL	20.0
12	412	___	BIS(2-CHLOROISOPROPYL)ETHER (G1#12			BDL	20.0
13	622	___	4-METHYLPHENOL (G1#13) <106-44-5>			BDL	20.0
14	442	___	N-NITROSO-DI-N-PROPYLAMINE (G1#14)	14.9		30.0	20.0
15	436	___	HEXACHLOROETHANE (G1#15) <67-72-1>			BDL	20.0
16	440	___	NITROBENZENE (G1#16) <98-95-3>			BDL	20.0
18	438	___	ISOPHORONE (G2#2) <78-59-1>			DDL	20.0
19	606	___	2-NITROPHENOL (G2#3) <88-75-5>			BDL	20.0
20	603	___	2,4-DIMETHYLPHENOL (G2#4) <105-67-			BDL	20.0
21	625	___	BENZOIC ACID (G2#5) <65-85-0>			BDL	100.0
22	410	___	BIS(2-CHLOROETHOXY)METHANE (G2#6)			BDL	20.0
23	602	___	2,4-DICHLOROPHENOL (G2#7) <120-83-			BDL	20.0
24	446	___	1,2,4-TRICHLORDBENZENE (G2#8) <120	16.8		34.0	20.0
25	439	___	NAPHTHALENE (G2#9) <91-20-3>			BDL	20.0
26	475	___	4-CHLORDANILINE (G2#10) <106-47-8>			BDL	20.0
27	434	___	HEXACHLOROBUTADIENE (G2#11) <87-68			BDL	20.0
	608	___	P-CHLORO-M-CRESOL (G2#12) <59-50-7	29.0		58.0	20.0
	477	___	2-METHYLNAPHTHALENE (G2#13) <91-57			BDL	20.0
31	435	___	HEXACHLOROCYCLOPENTADIENE (G3#2) <			BDL	20.0
32	611	___	2,4,6-TRICHLOROPHENOL (G3#3) <88-0			BDL	20.0
33	626	___	2,4,5-TRICHLOROPHENOL (G3#4) <95-9			BDL	100.0
34	416	___	2-CHLORONAPHTHALENE (G3#5) <91-58-			BDL	20.0
35	478	___	2-NITROANILINE (G3#6) <88-74-4>			BDL	100.0
36	425	___	DIMETHYL PHTHALATE (G3#7) <131-11-			BDL	20.0
37	402	___	ACENAPHTHYLENE (G3#8) <208-96-8>			BDL	20.0
38	479	___	3-NITROANILINE (G3#9) <99-09-2>			BDL	100.0
39	401	___	ACENAPHTHENE (G3#10) <83-32-9>	18.7		37.0	20.0
40	605	___	2,4-DINITROPHENOL (G3#11) <51-28-5			BDL	100.0
41	607	___	4-NITROPHENOL (G3#12) <100-02-7>			BDL	100.0
42	476	___	DIBENZOFURAN (G3#13) <132-64-9>			BDL	20.0
43	427	___	2,4-DINITROTOLUENE (G3#14) <121-14	15.7		31.0	20.0
44	428	___	2,6-DINITROTOLUENE (G3#15) <606-20			BDL	20.0
45	424	___	DIETHYL PHTHALATE (G3#16) <84-66-2			BDL	20.0
46	417	___	4-CHLORDPHENYL PHENYL ETHER (G3#17			BDL	20.0
47	432	___	FLUORENE (G3#18) <86-73-7>			BDL	20.0
48	480	___	4-NITROANILINE (G3#19) <100-01-6>			BDL	100.0
50	604	___	4,6-DINITRO-2-METHYLPHENOL (G4#2)			BDL	100.0
51	443	___	N-NITROSODIPHENYLAMINE (G4#3) <86-			BDL	20.0
52	414	___	4-BROMOPHENYL PHENYL ETHER (G4#4)			BDL	20.0
53	433	___	HEXACHLOROBENZENE (G4#5) <118-74-1			BDL	20.0
54	609	___	PENTACHLOROPHENOL (G4#6) <87-86-5>	41.6		J	100.0
55	444	___	PHENANTHRENE (G4#7) <85-01-8>			BDL	20.0
	403	___	ANTHRACENE (G4#8) <120-12-7>			BDL	20.0
57	426	___	DI-N-BUTYL PHTHALATE (G4#9) <84-74	19.6		39.0	20.0
58	431	___	FLUORANTHENE (G4#10) <206-44-0>			BDL	20.0

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/l)	Detection Limit (ug/l)
	404	____	BENZIDINE (Q5#2) <92-87-5>			BDL	100.0
61	445	____	PYRENE (Q5#3) <129-00-0>	23.3		47.0	20.0
62	415	____	BUTYLBENZYL PHTHALATE (Q5#4) <85-6			BDL	20.0
63	423	____	3,3'-DICHLOROBENZIDINE (Q5#5) <91-			BDL	40.0
64	405	____	BENZO(A)ANTHRACENE (Q5#6) <56-55-3			BDL	20.0
65	413	____	BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7)			BDL	20.0
66	418	____	CHRYSENE (Q5#8) <218-01-9>			BDL	20.0
68	429	____	DI-N-OCTYL PHTHALATE (Q6#2) <117-8			BDL	20.0
69	407	____	BENZO(B)FLUORANTHENE (Q6#3) <205-9			BDL	20.0
70	409	____	BENZO(K)FLUORANTHENE (Q6#4) <207-0			BDL	20.0
71	406	____	BENZO(A)PYRENE (Q6#5) <50-32-8>			BDL	20.0
72	437	____	INDENO(1,2,3-C,D)PYRENE (Q6#6) <19			BDL	20.0
73	419	____	DIBENZO(A,H)ANTHRACENE (Q6#7) <53-			BDL	20.0
74	408	____	BENZO(G,H,I)PERYLENE (Q6#8) <191-2			BDL	20.0

Semi-Volatile - Liquid

	CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
75	##	2-FLUOROPHENOL (SS#1)	22.7	100.0	~~23.0~~ 46	23-121	X	
76	##	D5-PHENOL (SS#2)	16.2	100.0	~~16.0~~ 32	15-103	X	
77	##	05-NITROBENZENE (SS#3)	17.4	50.0	~~35.0~~ 70	41-120	~~X~~	X
78	##	2-FLUOROBIPHENYL (SS#4)	20.0	50.0	~~40.0~~ 80	44-119	~~X~~	X
79	##	2,4,6-TRIBROMOPHENOL (SS#5)	41.6	100.0	~~42.0~~ 84	10-130	X	
80	##	D14-TERPHENYL (SS#6)	24.5	50.0	~~49.0~~ 98	33-128	X	
81	##	D10 PYRENE	24.9	50.0	~~50.0~~ 100	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:

$$\frac{\text{Final Extract Volume (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{1000\ \text{ml}}{\text{Vol Sample Extracted (ml)}} \times \text{Dilution Factor} \times 2 =$$

$$\frac{0.5\text{ml}}{\text{1.0ml \& 1.0ml}} \times \frac{1000.\text{ml}}{500.\text{ml}} \times \frac{1.0}{\text{Dilution Factor}} \times 2 = 2.000$$

Quant Report amount spiked conversion factor:

$$\frac{500\ \text{ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{\text{GCMS Dilution Factor}}{\text{Dilution Factor}} \times 2 =$$

$$\frac{500\ \text{ul}}{500\ \text{ul}} \times \frac{0.5\text{ml}}{\text{1.0ml \& 1.0ml}} \times \frac{1.0}{\text{Dilution Factor}} \times 2 = \sim\ \text{~~1.000~~}$$

EXTRACTION WORKSH.
Semi-Volatiles / Miscellaneous

ASSIGNED TO: Debrunk

DATE ASSIGNED: 5/24/85

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
49806R	-SG	GenTest		SS	49813	500mL		0.5mL	0.5mL		13	1	5/24	49803 out / 49811, 12, 13, 14, 49815
49805R	-			SS		500mL		0.5mL	0.5mL		13	1	5/24	Spiked 250 uL surrogate & 250 uL of 5000 ppm extr. thru all samples
49811R			N/A			1000mL		1.0mL	1.0mL		13	1	5/24	
49812R		↓	N/A			1000mL		1.0mL	1.0mL		13	1	5/24	
50168R		4236	BB245			1000mL		1.0mL	1.0mL		13	1	5/24	
50173R			BB246			1000mL		1.0mL	1.0mL		13	1	5/24	
50180R		↓	BB249			1000mL		1.0mL	1.0mL		13	1	5/24	
51625				SS		1000mL		1.0mL	1.0mL		13	1	5/24	
51626	↓			SS		1000mL		1.0mL	1.0mL		13	1	5/24	

		B-Vol	Acid	B/N	Pest	TCDD	Other
SURROGATE	NO.	391					
	AMT.	0.5mL					
	LOT	14693					
SPIKE	NO.		2012	2021			
	AMT.		0.250mL	0.250mL			
	LOT		14655	14687			

MANUAL COUNTER 272/463

FINAL VOLUME VERIFIED OK

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY TED 5/24/85

Issued 5/24/85 TED

№ 6218

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

Sample Number
50705M NSD
A

Organics Analysis Data Sheet
(Page 1)

ratory Name: CompuChem
Sample ID No: CW049809B12
Sample matrix: liquid
Data Release
Authorized By: _____

Case: GEN TEST
QC Report No: 291314
Contract No:
Date Sample
Received:

Volatile Compounds
Concentration: low
Date extracted/prepared: 5-9-85
Date analyzed: 5-9-85
Conc/Dil Factor: 1.00 pH:
Percent moisture: N/A
Percent moisture (decanted):

CAS Number		ug/l		CAS Number		ug/l	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.0	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.0	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.0	U
75-09-2	Methylene Chloride	7.6	B	79-00-5	1,1,2-Trichloroethane	5.0	U
67-64-1	Acetone	7.1	J	71-43-2	Benzene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-34-3	1,1-Dichloroethane	5.0	U	75-25-2	Bromoform	5.0	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	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	8.1		127-18-4	Tetrachloroethene	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
79-34-5	1,1,2,2-Tetrachloroethane	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, report the value.

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

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

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

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

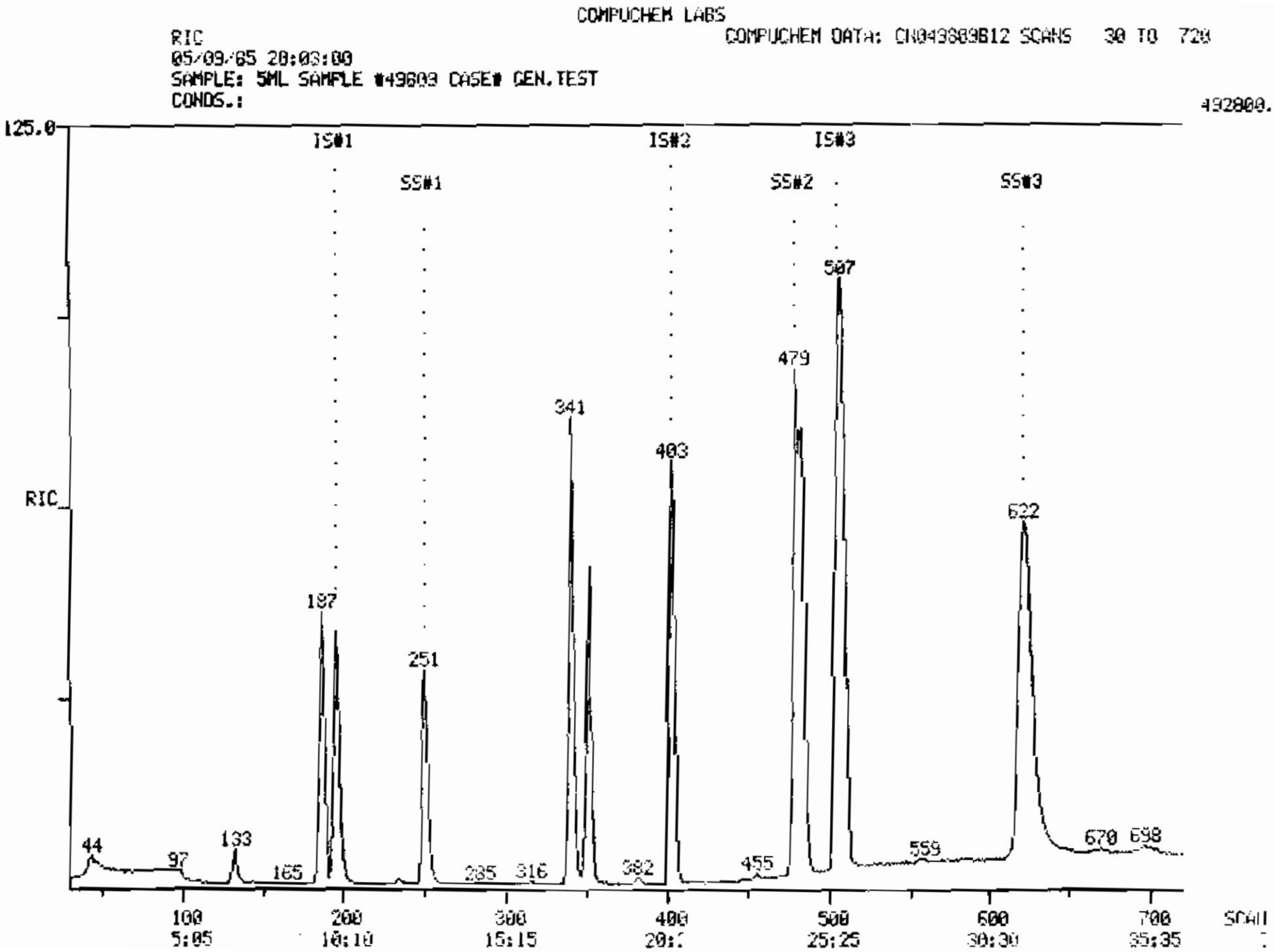
Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

50705 MSD

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.		None			
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: CN043003B12 SCANS 30 TO 720
05/09/85 20:03:00
SAMPLE: 5ML SAMPLE #49603 CASE# GEN.TEST
CONDS.:
492800.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
507
479
341
403
622
197
251
44
97
133
165
285
316
382
455
559
670
698
100
5:05
200
10:10
300
15:15
400
20:
500
25:25
600
30:30
700
35:35
SCAN

Internal Standard Area Monitor

Method: E237 Filename: CN049889B12 Date: 05/09/85
Shift Std: CS850509B12 Time: 20:03

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	F/F
* BROMOCHLOROMETHANE (IS)	114001.	133457.	-15.	Pass
* 1,4 DIFLUOROBENZENE (INTERNAL STANDARD)	437180.	512004.	-7.	Pass
* D5 CHLOROBENZIENE(INTERNAL STANDARD)	412523.	467377.	-11.	Pass

PROCEDURE: RK
DATA FILE: CN049809B12
REFERENCE: E237
METHOD: E237 INITIALIIATION OPTION: 2 PROCESSING OPTION: 3
REPORT: E237S

STANDARDS				PLUS UNKNOWNS				LIST NAMES
ROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	2T	42	12	1	70	E2375/E23TU

42 COMPOUNDS PROCESSED, 12 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	E1	I	-193	I96	196	.	I	950	.	128	196	.	1
2	E2	1	-399	403	403	.	1	995	.	114	403	.	1
3	E3	1	-501	505	505	.	1	975	.	117	505	.	1
4	E1	2	-34	36	.	.	.	.	.	50	.	.	.
5	E1	3	-54	56	.	.	.	.	.	94	.	.	.
6	E1	4	-69	72	.	.	.	.	.	62	.	.	.
7	E1	5	-89	92	.	.	.	.	.	64	.	.	.
8	E1	6	-131	134	133	-1	I	979	.	84	133	.	1
9	E1	7	-143	146	.	.		.	.	43	144	.	1
10	E1	8	-162	165	.	.		.	.	76	.	.	
11	E1	9	-185	188	187	-1	1	984	.	96	187	.	I
12	E1	10	-210	213	.	.	.	.	.	63	.	.	.
13	E1	11	-224	227	.	.	.	.	.	96	227	.	2
14	E1	12	-234	237	.	.	.	.	.	83	238	.	1
15	E1	13	-249	252	.	.	.	.	.	62	253	.	1
16	E2	2	-247	250	.	.	.	.	.	72	250	.	1
17	E2	3	-276	279	.	.	.	.	.	97	.	.	.
18	E2	4	-284	287	.	.	.	.	.	117	.	.	.
9	E2	5	-285	288	.	.	.	.	.	43	.	.	.
_0	E2	6	-293	296	.	.	.	.	.	83	.	.	.
21	E2	7	-321	324	.	.	.	.	.	63	.	.	
22	E2	8	-326	330	.	.	.	.	.	75	.	.	
23	E2	9	-337	341	341	.	1	970	.	130	341	.	1
24	E2	10	-349	353	.	.	.	.	.	129	.	.	
25	E2	11	-351	355	.	.	.	.	.	97	355	.	1
26	E2	12	-347	351	352	1	1	994	.	78	352	.	1
27	E2	13	-351	355	.	.		.	.	75	352	.	1
28	E2	14	-373	377	.	.	.	.	.	63	.	.	
29	E2	15	-403	407	.	.	.	.	.	173	408	.	2
30	E3	2	-414	418	.	.	.	.	.	43	419	.	2
31	E3	3	-446	450	.	.	.	.	.	43	.	.	.
32	E3	4	-451	455	.	.	.	.	.	164	.	.	.
33	E3	5	-450	454	.	.	.	.	.	83	454	.	1
34	E3	6	-479	483	483	.	1	982	.	92	483	.	1
35	E3	7	-504	508	508	.	1	985	.	112	508	.	1
36	E3	8	-553	557	.	.	.	.	.	106	557	.	3
37	E3	9	-658	663	.	.	.	.	.	104	664	.	2
38	E3	10	-667	672	.	.	.	.	.	106	672	.	2
39	E3	11	-694	699	.	.	.	.	.	106	698	.	2
40	E4	2	-247	250	251	1	1	978	.	65	251	.	1
41	E4	3	-618	623	622	-1	1	989	.	95	622	.	1
42	E4	4	-475	479	479	.	1	989	.	98	479	.	1

DATA: CM049B09B12.TI
05/09/85 20:03:00
SAMPLE: 5ML SAMPLE #49B09 CASE# GEN.TEST
CONDS. :
SUBMITTED BY: 12 ANALYST: 719

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

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	254 CARBON DISULFIDE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLORDETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	* 1,4 DIFLUOROBENIENE (INTERNAL STANOARO)
15	253 2-BUTANONE
16	227 1,1,1-TRICHLOROETHANE
17	206 CARBON TETRACHLORIDE
18	257 VINYL ACETATE
19	212 BROMODICHLORDMETHANE
20	21T 1,2-DICHLOROPROPANE
1	250 TRANS-1,3-DICHLOROPROPENE
2	229 TRICHLOROETHYLENE
23	208 CHLORODIBROMOMETHANE
24	228 1,1,2-TRICHLOROETHANE
25	203 BENZENE
26	219 CIS-1,3-DICHLOROPROPENE
27	210 2-CHLOROETHYL VINYL ETHER
28	208 BROMOFORM
29	* D5 CHLOROBENZENE(INTERNAL STANDARD)
30	255 2-HEXANONE
31	256 4-METHYL-2-PENTANONE
32	224 TETRACHLORDETHENE
33	223 1,1,2,2-TETRACHLOROETHANE
34	225 TOLUENE
35	207 CHLOROBENZENE
36	219 ETHYLBENZENE
37	251 STYRENE
38	239 M-XYLENE
39	240/241 O- & P-XYLENE
40	# D4-1,2-DICHLOROETHANE
41	# BROMOFLUOROBENZENE
42	# D8-TOLUENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	196	9:58	1	1.000	A BV	114002.	50.000 UG/L	8.23
2	50	NOT FOUND							

NO	M/E	SCAN	TIME	---	---				
3	94	NOT FOUND							
4	62	NOT FOUND							
5	64	NOT FOUND							
6	84	133	6:46	1	0.679	A BB	19606.	T. 672 UG/L	1.26
7	43	144	7:19	1	0.735	A BB	3530.	T. 157 UG/L	1.18
8	76	NOT FOUND							
9	96	187	9:30	1	0.954	A BV	132308.	54.656 UG/L	8.99
10	63	NOT FOUND							
11	96	227	11:32	1	1.158	A*BB	425.	0.173 UG/L	0.03
12	83	238	12:06	1	1.214	A BB	1044.	0.189 UG/L	0.03
13	62	253	12:52	1	1.291	A BB	28904.	8.178 UG/L	1.35
14	114	403	20:29	14	1.000	A BV	459181.	50.000 UG/L	8.23
15	72	250	12:42	14	0.620	A BB	2134.	9.462 UG/L	1.56
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	341	17:20	14	0.846	A BV	221271.	49.173 UG/L	8.09
23	129	NOT FOUND							
24	97	355	18:03	14	0.861	A VB	598.	0.213 UG/L	0.04
25	78	352	17:54	14	0.873	A BB	333691.	53.726 UG/L	8.84
26	75	352	17:54	14	0.873	A BB	8368.	1.429 UG/L	0.24
27	63	NOT FOUND							
28	173	408	20:44	14	1.012	A*BB	370.	0.086 UG/L	0.01
29	117	505	25:40	29	1.000	A BB	412524.	50.000 UG/L	8.23
30	43	419	21:18	89	0.830	A*BB	1953.	0.819 UG/L	0.13
31	43	NOT FOUND							
32	164	NOT FOUND							
33	83	454	23:05	29	0.899	A BB	2010.	0.502 UG/L	0.08
34	92	483	24:33	29	0.956	A BB	247433.	51.260 UG/L	8.43
35	112	508	25:49	29	1.006	A BB	377376.	48.070 UG/L	7.91
36	106	557	28:19	29	1.103	A*BB	1132.	0.271 UG/L	0.04
37	104	664	33:45	29	1.315	A*BB	3953.	0.391 UG/L	0.06
38	106	672	34:10	29	1.331	A*BB	2926.	0.518 UG/L	0.09
39	106	698	35:29	29	1.382	A*BB	6065.	1.116 UG/L	0.18
40	65	251	12:46	1	1.281	A BV	195222.	55.274 UG/L	9.09
41	95	622	31:37	29	1.232	A BB	347906.	52.502 UG/L	8.64
42	98	479	24:21	1	2.444	A BV	446503.	54.997 UG/L	9.05

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:49	1.02	10.000	0.10	50.00	50.00	1.000	1.000	1.00
2	1:44		10.000			50.00		0.880	
3	2:45		10.000			50.00		1.474	
4	3:30		10.000			50.00		1.198	
5	4:31		10.000			50.00		0.626	
6	6:40	1.02	5.000	0.14	7.67	50.00	0.172	1.121	0.15
7	7:16	1.01	10.000	0.07	7.16	50.00	0.031	0.216	0.14
8	8:14		5.000			50.00		3.133	
9	9:24	1.01	5.000	0.19	54.66	50.00	1.161	1.062	1.09
10	10:40		5.000			50.00		1.852	
11	11:23	1.01	5.000	0.23	0.17	50.00	0.004	1.077	0.00
12	11:54	1.02	5.000	0.24	0.19	50.00	0.009	2.421	0.00
13	12:39	1.02	5.000	0.26	8.18	50.00	0.254	1.550	0.16
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	9.46	50.00	0.005	0.025	0.19
16	14:02		5.000			50.00		0.515	
17	14:26		5.000			50.00		0.546	
18	14:29		10.000			50.00		0.417	
)	14:54		5.000			50.00		0.596	
20	16:19		5.000			50.00		0.335	
21	16:34		5.000			50.00		0.234	
22	17:08	1.01	5.000	0.17	49.17	50.00	0.482	0.490	0.98
23	17:44		5.000			50.00		0.541	
24	17:51	1.01	5.000	0.18	0.21	50.00	0.001	0.303	0.00
25	17:38	1.01	5.000	0.17	53.73	50.00	0.727	0.676	1.07
26	17:51	1.00	5.000	0.17	1.43	50.00	0.018	0.638	0.03
27	18:58		10.000			50.00		0.190	
28	20:29	1.01	5.000	0.20	0.09	50.00	0.001	0.467	0.00
29	25:28	1.01	1.000	1.00	50.00	50.00	1.000	1.000	1.00
30	21:03	1.01	10.000	0.08	0.82	50.00	0.005	0.289	0.02
31	22:40		10.000			50.00		0.188	
32	22:56		5.000			50.00		0.538	
33	22:52	1.01	5.000	0.16	0.50	50.00	0.005	0.486	0.01
34	24:21	1.01	5.000	0.19	51.26	50.00	0.600	0.585	1.03
35	25:37	1.01	5.000	0.20	48.07	50.00	0.915	0.952	0.96
36	26:07	1.01	5.000	0.22	0.27	50.00	0.003	0.307	0.01
37	33:27	1.01	5.000	0.26	0.39	50.00	0.010	1.226	0.01
38	33:54	1.01	5.000	0.27	0.52	50.00	0.007	0.685	0.01
39	35:17	1.01	5.000	0.28	1.12	100.00	0.007	0.659	0.01
40	12:33	1.02	10.000	0.13	55.27	50.00	1.71E	1.549	1.11
41	31:25	1.01	10.000	0.12	52.50	50.00	0.843	0.803	1.05
42	24:09	1.01	10.000	0.24	55.00	50.00	3.917	3.561	1.10

VOA

GC/MS WORKSHEET CONFIGCHEM#: 49509

J1[ ] J3[ ] D1[ ] (:1)

J2[ ] J4[ ] D2( ) (:1)

LOW LEVEL 8240 ID
Deliverable Code 069

Sample Prep Code---000
Instrument Code---256
Compound List---145
Surrogate Std---394
Internal Std---636

DBS: EPA#: SS 29/7/14

GC/MS ANALYSIS

Amount Purged [✓] 5mls or [ ] Dilution ____ul/5000ul Sparged

Internal Standard Volume Added 5.0 ul

Surrogate Standard Volume Added 5.0 ul

VOA Filename BF85054.A12 Disk(b2)

Blank Filename BB8505A.A12 Disk ( )

Standard Filename BS8505A.B12 Disk ( )

Sample Filename CN04980981 Disk (D2)

GC/MS METHOD: Injection 7/9 Post-run 7/9

GC/MS REVIEW

CONDITION ACE: OK

Entry Codes OK,JC,SM SL,SH,JA,DA

Non-Entry Codes IN,IL,IH,SB,CT,OS,PC,NR
IF,LP,DI,CO,RN,DL SI,SF
LP,BB,CT,WC,FC,SM

Dispositions: [X] Complete

[ ] Reinject Next

[ ] Dilute ( )

(Surrogate Fail Confirmed Results)
# of Peaks Found: 0

Quality Assurance Failure(s):
Action Required

COMMENTS: spike of 49803

QA/QC Review SWB Date 5/10/85 Condition Date / /

SHORT DISPOSITION Total # of Injections: ____

Final Reportable Package(s): ____

RE COMMENTS:

Initials ____ Date ____/____/____

Title ____ Title ____/____/____

5/12/85

Volatile - Medium or Low Level Liquid

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(s) (ug/L)	Detection Limit (ug/L)
2	221	___	CHLOROMETHANE			BDL	10.0
3	220	___	BROMOMETHANE			BDL	10.0
4	231	___	VINYL CHLORIDE			BDL	10.0
5	209	___	CHLOROETHANE			BDL	10.0
6	222	___	METHYLENE CHLORIDE	7.6		7.7 B	5.0
7	252	___	ACETONE (2-PROPANONE)	7.1		J	10.0
8	254	___	CARBON DISULFIDE			BDL	5.0
9	216	___	1,1-DICHLOROETHYLENE	34.6		35.0	5.0
10	214	___	1,1-DICHLORDETHANE			BDL	5.0
11	226	___	TRANS-1,2-DICHLOROETHYLENE			BDL	5.0
12	211	___	CHLOROFORM			BDL	5.0
13	215	___	1,2-DICHLOROETHANE	8.1		8.2	5.0
15	253	___	2-BUTANONE	~~9.4~~		BDL	10.0
16	227	___	1,1,1-TRICHLOROETHANE			BDL	5.0
17	206	___	CARBON TETRACHLORIDE			BDL	5.0
18	257	___	VINYL ACETATE			BDL	10.0
19	212	___	BROMODICHLOROMETHANE			BDL	5.0
20	217	___	1,2-DICHLOROPROPANE			BDL	5.0
21	250	___	TRANS-1,3-DICHLOROPROPENE			BDL	5.0
22	229	___	TRICHLOROETHYLENE	49.2		49.0	5.0
23	208	___	CHLORODIBROMOMETHANE			BDL	5.0
24	228	___	1,1,2-TRICHLOROETHANE			BDL	5.0
25	203	___	BENZENE	53.7		54.0	5.0
26	218	___	CIS-1,3-DICHLOROPROPENE			BDL	5.0
27	210	___	2-CHLOROETHYL VINYL ETHER			BDL	10.0
	205	___	BROMOFORM			BDL	5.0
30	255	___	2-HEXANONE			BDL	10.0
31	256	___	4-METHYL-2-PENTANONE			BDL	10.0
32	224	___	TETRACHLOROETHENE			BDL	5.0
33	223	___	1,1,2,2-TETRACHLOROETHANE			BDL	5.0
34	225	___	TOLUENE	51.2		51.0	5.0
35	207	___	CHLOROBENZENE	48.1		48.0	5.0
36	219	___	ETHYLBENZENE			BDL	5.0
37	251	___	STYRENE			BDL	5.0
38	239	___	M-XYLENE			BDL	5.0
39	240/	___	241 O- & P-XYLENE			BDL	5.0

Volatile - Medium or Low Level Liquid

CC ID#	Surrogate Compound	Quant Report Value	Quant Report Amount Spiked	% ++ Recovery	Control Range	P	F
*0	D4-1,2-DICHLOROETHANE	55.3	50.0	110.0	77-120	X	
41	BROMOFLUOROBENZENE	52.5	50.0	105.0	85-121	X	
42	DB-TOLUENE	55.0	50.0	110.0	86-119	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:

$$\frac{5000 \text{ uL}}{\text{Volume of Sample Purged (uL)}} =$$

$$\frac{5000 \text{ uL}}{5000. \text{ (uL)}} = 1.000$$

Quant Report amount spiked conversion factor:

The surrogates are added to the sample prior to sparging.

Surrogate spike conversion factor = 1.

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

Sample Number
50705[illegible]
C

Organics Analysis Data Sheet
(Page 2)

Laboratory Name: CompuChem

Semivolatile Compounds

Concentration: low
Date extracted/prepared: 05-24-85
Date analyzed: 05-25-85
Conc/Dil Factor: 2.00

CAS Number		ug/l		CAS Number		ug/l	
62-75-9	N-Nitrosodimethylamine	20.	U	99-09-2	3-Nitroaniline	100	U
108-95-2	Phenol	20.	U	83-32-9	Acenaphthene	20.	U
62-53-3	Aniline	20.	U	51-28-5	2,4-Dinitrophenol	100	U
111-44-4	bis(2-Chloroethyl) ether	20.	U	100-02-7	4-Nitrophenol	100	U
95-57-8	2-Chlorophenol	20.	U	132-64-9	Dibenzofuran	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U	121-14-2	2,4-Dinitrotoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U	606-20-2	2,6-Dinitrotoluene	20.	U
100-51-6	Benzyl Alcohol	20.	U	84-66-2	Diethylphthalate	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U	7005-72-3	4-Chlorophenyl Phenyl ether	20.	U
95-48-7	2-Methylphenol	20.	U	86-73-7	Fluorene	20.	U
39638-32-9	bis(2-Chloroisopropyl) ether	20.	U	100-01-6	4-Nitroaniline	100	U
106-44-5	4-Methylphenol	20.	U	534-52-1	4,6-Dinitro-2-methylphenol	100	U
621-64-7	N-Nitroso-Dipropylamine	20.	U	86-30-6	N-nitrosodiphenylamine (1)	20.	U
67-72-1	Hexachloroethane	20.	U	101-55-3	4-Bromophenyl Phenyl ether	20.	U
98-95-3	Nitrobenzene	20.	U	118-74-1	Hexachlorobenzene	20.	U
78-59-1	Isophorone	20.	U	87-86-5	Pentachlorophenol	100	U
88-75-5	2-Nitrophenol	20.	U	85-01-8	Phenanthrene	20.	U
105-67-9	2,4-Dimethylphenol	20.	U	120-12-7	Anthracene	20.	U
65-85-0	Benzoic Acid	100	U	84-74-2	Di-n-butylphthalate	20.	U
111-91-1	bis(2-Chloroethoxy) methane	20.	U	206-44-0	Fluoranthene	20.	U
120-83-2	2,4-Dichlorophenol	20.	U	92-87-5	Benzidine	100	U
120-82-1	1,2,4-Trichlorobenzene	20.	U	129-00-0	Pyrene	20.	U
91-20-3	Naphthalene	20.	U	85-68-7	Butyl Benzyl Phthalate	20.	U
106-47-8	4-Chloroaniline	20.	U	91-94-1	3,3'-Dichlorobenzidine	40.	U
87-68-3	Hexachlorobutadiene	20.	U	56-55-3	Benzo(a)anthracene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U	117-81-7	bis(2-ethylhexyl)phthalate	20.	U
91-57-6	2-Methylnaphthalene	20.	U	218-01-9	Chrysene	20.	U
77-47-4	Hexachlorocyclopentadiene	20.	U	117-84-0	Di-n-octyl Phthalate	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U	205-99-2	Benzo(b)fluoranthene	20.	U
95-95-4	2,4,5-Trichlorophenol	100	U	207-08-9	Benzo(k)fluoranthene	20.	U
91-58-7	2-Chloronaphthalene	20.	U	50-32-8	Benzo(a)pyrene	20.	U
88-74-4	2-Nitroaniline	100	U	193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
131-11-3	Dimethyl Phthalate	20.	U	53-70-3	Dibenz(a,h)anthracene	20.	U
208-96-8	Acenaphthylene	20.	U	191-24-2	Benzo(g,h,i)perylene	20.	U

(1) Cannot be separated from diphenylamine

50705 C MSD

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	111-46-6	unknown ETHANOL,2,2'-OXYBIS-	SEMI1	460	30.	J
~~2~~	~~95-57-8~~	~~PHENOL,2-CHLORO-~~	~~SEMI1~~	~~483~~	~~30.~~	~~J~~
3	629-74-3	unknown 1-HEXADECYNE	SEMI1	913	23.	J
4	1454-85-9	unknown 1-HEPTADECANOL	SEMI1	919	30.	J
5	629-74-3	unknown 1-HEXADECYNE	SEMI1	985	690.	J
6	629-74-3	unknown 1-HEXADECYNE	SEMI1	1005	11.	J
7	2463-02-7	unknown 11,14-EICOSADIENOICACID,METHYLESTER	SEMI1	1012	8.	J
8	5353-25-3	unknown ETHANOL,2-(9-OCTADECENYLOXY)-,(Z)-	SEMI1	1051	29.	J
9	23436-19-3	unknown 2-PROPANOL,1-(2-METHYLPROPOXY)-	SEMI1	1076	23.	J
10	23436-19-3	unknown 2-PROPANOL,1-(2-METHYLPROPOXY)-	SEMI1	1163	14.	J
11	112-60-7	unknown ETHANOL,2,2'-[OXYBIS(2,1-ETHANEDIYLOXY)]BIS-	SEMI1	1174	14.	J
12	23436-19-3	unknown 2-PROPANOL,1-(2-METHYLPROPOXY)-	SEMI1	1298	18.	J
13	112-60-7	unknown ETHANOL,2,2'-[OXYBIS(2,1-ETHANEDIYLOXY)]BIS-	SEMI1	1309	21.	J

2/18/1

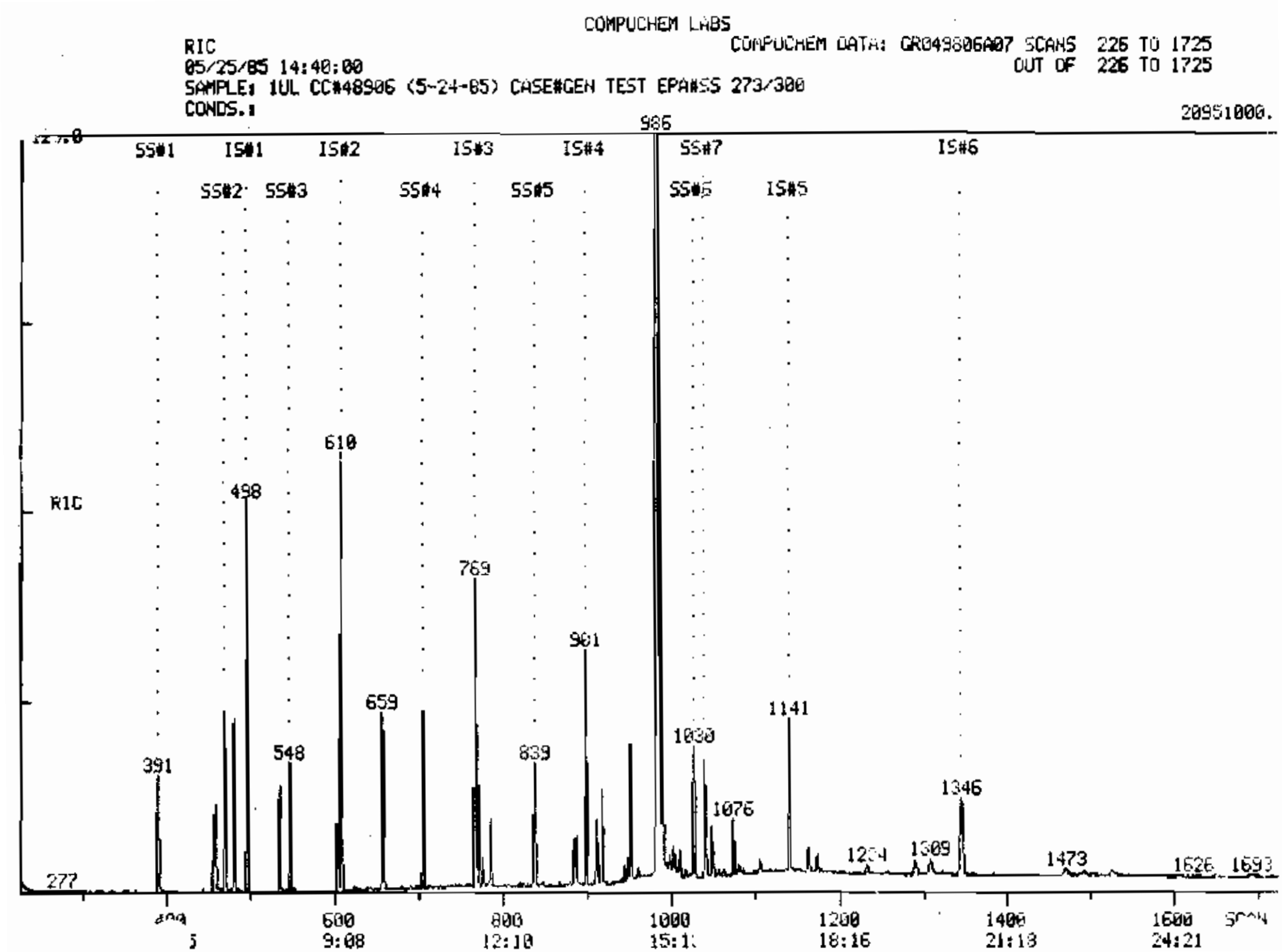
QUALITY ASSURANCE NOTICE
sample # 75106
fraction SV

Peaks on the RIC of this sample at the retention times (scans) listed below were identified as laboratory artifacts. This was concluded from a comparison of tentatively identified compound spectra and retention times found by the Library Search routine of the sample and its associated method blank. These compounds should not be considered actual constituents of this sample fraction.

scans: 985

SC
5/15/2

QANIOS
850218


COMPUCHEM LABS
RIC
COMPUCHEM DATA: GR049806A07 SCANS 226 TO 1725
05/25/85 14:40:00
OUT OF 226 TO 1725
SAMPLE: 1UL CC#48906 (5-24-85) CASE#GEN TEST EPA#SS 273/300
CONDS.:
20951000.
986
SS#1
IS#1
IS#2
IS#3
IS#4
SS#7
IS#6
SS#2
SS#3
SS#4
SS#5
SS#6
IS#5
610
498
RIC
769
901
659
1141
1030
391
548
839
1076
1346
1234
1309
1473
1626
1693
277
600
800
1000
1200
1400
1600
9:08
12:10
15:1
18:16
21:13
24:21

PROCEDURE: RK DIAGNOSTIC REPORT 5/25/ , 15:11:55
DATA FILE: GR049806A07
REFERENCE: SEMI1
METHOD: SEMI1 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SEMI161

STANDARDS				PLUS UNKNOWNS				LIST NAMES
IOC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
4	4	1	34	53	14	1	111	SEMI161/SEMI1U1
3	3	1	51	28	9	1	48	SEMII52/SEMI1U2

81 COMPOUNDS PROCESSED, 23 FOUND

COMPOUND			SEARCH					BAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	G1	1	-498	498	498	.	1	961	.	152	498	.	1
2	G3	1	-768	769	769	.	1	990	.	164	769	.	1
3	G2	1	-610	610	610	.	1	991	.	136	610	.	1
4	G7	2	-391	391	391	.	1	910	.	112	391	.	1
5	G1	2	-256	257	.	.	.	.	.	42	254	.	3
6	G1	3	-471	472	.	.	.	.	.	94	472	.	1
7	G1	4	-473	474	.	.	.	.	.	93	.	.	.
8	G1	5	-478	479	.	.	.	.	.	93	.	.	.
9	G1	6	-482	483	.	.	.	.	.	128	483	.	1
10	G1	7	-495	496	499	3	1	915	.	146	499	.	1
11	G1	8	-499	500	499	-1	1	930	.	146	499	.	1
12	G1	9	-511	512	.	.	.	.	.	108	.	.	.
13	G1	10	-515	516	.	.	.	.	.	146	.	.	.
14	G1	11	-522	523	.	.	.	.	.	108	.	.	.
15	G1	12	-525	526	.	.	.	.	.	45	529	.	1
16	G1	13	-534	534	.	.	.	.	.	108	.	.	.
17	G1	14	-537	537	537	.	1	878	.	70	537	.	1
18	G1	15	-543	543	.	.	.	.	.	117	.	.	.
19	G1	16	-550	550	.	.	.	.	.	77	548	.	1
20	G2	2	-570	570	.	.	.	.	.	82	.	.	.
21	G2	3	-578	578	.	.	.	.	.	139	.	.	.
22	G2	4	-581	581	.	.	.	.	.	122	.	.	.
23	G2	5	-589	589	.	.	.	.	.	122	.	.	.
24	G2	6	-589	589	.	.	.	.	.	93	.	.	.
25	G2	7	-598	598	.	.	.	.	.	162	598	.	1
26	G2	8	-606	606	606	.	1	955	.	180	606	.	1
27	G2	9	-612	612	.	.	.	.	.	128	.	.	.
28	G2	10	-617	617	.	.	.	.	.	127	.	.	.
29	G2	11	-628	628	.	.	.	.	.	225	.	.	.
30	G2	12	-659	659	659	.	1	913	.	107	659	.	1
31	G2	13	-673	673	.	.	.	.	.	142	.	.	.
32	G3	2	-693	693	.	.	.	.	.	237	.	.	.
33	G3	3	-700	700	.	.	.	.	.	196	.	.	.
34	G3	4	-700	700	.	.	.	.	.	196	.	.	.
35	G3	5	-716	716	.	.	.	.	.	162	.	.	.
36	G3	6	-727	727	.	.	.	.	.	65	726	.	1
37	G3	7	-746	746	.	.	.	.	.	163	.	.	.
38	G3	8	-754	754	.	.	.	.	.	152	.	.	.
39	G3	9	-727	727	.	.	.	.	.	138	.	.	.
40	G3	10	-771	771	771	.	1	974	.	153	771	.	1
41	G3	11	-773	773	.	.	.	.	.	184	.	.	.
42	G3	12	-785	785	.	.	.	.	.	139	786	.	2
43	G3	13	-785	785	.	.	.	.	.	168	.	.	.
1	G3	14	-787	787	787	.	1	915	.	89	787	.	1
3	G3	15	-752	752	.	.	.	.	.	165	752	.	1
46	G3	16	-809	809	809	.	1	873	.	149	809	.	2
47	G3	17	-815	815	.	.	.			204	.	.	.
48	G3	18	-816	816	.	.	.			166	.	.	.
49	G3	19	-820	820	.	.	.			138	.	.	.

52	Q7	5	-707	707	707	.	1	972	.	172	707	.	1
53	Q7	6	-839	839	.	.	.	.	.	141	839	.	1
54	Q4	1	-900	901	901	.	1	982	.	188	901	.	1
55	Q5	1	-1139	1141	1141	.	1	985	.	240	1141	.	1
56	Q6	1	-1342	1346	1346	.	1	995	.	264	1346	.	1
57	Q4	2	-823	824	.	.	.	.	.	198	.	.	.
~	Q4	3	-826	827	.	.	.	.	.	169	829	.	2
	Q4	4	-858	859	.	.	.	.	.	248	.	.	.
60	Q4	5	-872	873	.	.	.	.	.	284	.	.	.
61	Q4	6	-887	888	888	.	1	947	.	266	888	.	1
62	Q4	7	-902	903	.	.	.	.	.	178	900	.	1
63	Q4	8	-906	907	.	.	.	.	.	178	910	.	1
64	Q4	9	-952	953	954	1	1	969	.	149	954	.	1
65	Q4	10	-1008	1010	.	.	.	.	.	202	1007	.	3
66	Q5	2	-1018	1020	.	.	.	.	.	184	.	.	.
67	Q5	3	-1029	1031	1030	-1	1	976	.	202	1030	.	1
68	Q5	4	-1085	1087	.	.	.	.	.	149	1086	.	1
69	Q5	5	-1133	1135	.	.	.	.	.	252	.	.	.
70	Q5	6	-1138	1140	.	.	.	.	.	228	1141	.	1
71	Q5	7	-1139	1141	1141	.	1	864	.	149	1141	.	1
72	Q5	8	-1142	1144	.	.	.	.	.	228	1141	.	1
73	Q6	2	-1211	1214	.	.	.	.	.	149	1213	.	2
74	Q6	3	-1281	1284	.	.	.	.	.	252	.	.	.
75	Q6	4	-1281	1284	.	.	.	.	.	252	.	.	.
76	Q6	5	-1333	1337	.	.	.	.	.	252	.	.	.
77	Q6	6	-1585	1590	.	.	.	.	.	276	.	.	.
78	Q6	7	-1590	1595	.	.	.	.	.	278	.	.	.
79	Q6	8	-1659	1664	.	.	.	.	.	276	.	.	.
80	Q7	7	-1040	1042	1042	.	1	978	.	244	1042	.	1
81	Q8	2	-1027	1029	1029	.	1	929	.	212	1029	.	1

Method: SEMI1 Filename: QR049806A07 Date: 05/25/85
Shift Std: HQ850525C07 Time: 14:40

Compound	Peak Area Sample	Peak Area Shift Std	%Diff	P/F
*** D4-1,4-DICHLORDBENZENE (IS#1)	1460890.	1563640.	-6.	Pass
*** D8-NAPHTHALENE (IS#2)	4498430.	4903690.	-7.	Pass
*** D10-ACENAPHTHENE (IS#3)	2280190.	2473720.	-7.	Pass
*** D10-PHENANTHRENE (IS#4)	3597050.	4007800.	-9.	Pass
*** D12-CHRYSENE (IS#5)	2141880.	2657500.	-18.	Pass
*** D12-PERYLENE (IS#6)	2267900.	2356030.	-3.	Pass

DATA: GR049806A07.TI
05/25/85 14:40:00
SAMPLE: 1UL CC#48906 (5-24-85) CASE#GEN TEST EPA#58 273/300
CONDS. :
SUBMITTED BY: 07 ANALYST: 644

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

NO	NAME
1	*** D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	610 PHENOL (G1#3) <108-95-2>
4	473 ANILINE (G1#4) <62-53-3>
5	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
6	601 2-CHLOROPHENOL (G1#6) <95-57-8>
7	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
8	422 1,4-DTCHLOROBENZENE (G1#8) <106-46-7>
9	474 BENZYL ALCOHOL (G1#9) <100-51-6>
10	420 1,2-DICHLOROBENZENE (G1#1D) <95-50-1>
11	620 2-METHYLPHENOL (G1#11) <95-48-7>
12	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
13	622 4-METHYLPHENOL (G1#13) <106-44-5>
14	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
15	436 HEXACHLOROETHANE (G1#15) <67-72-1>
16	440 NITROBENZENE (G1#16) <98-95-3>
17	*** D8-NAPHTHALENE (IS#2)
18	438 I60PHORONE (G2#2) <78-59-1>
19	606 2-NITROPHENOL (G2#3) <88-75-5>
20	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
	625 BENZOIC ACID (02#5) <65-85-0>
.2	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
23	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
24	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
25	439 NAPHTHALENE (G2#9) <91-20-3>
26	475 4-CHLORDANILINE (G2#10) <106-47-8>
27	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
28	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
29	477 2-METHYLNAPHTHALENE (02#13) <91-57-6>
30	*** D10-ACENAPHTHENE (IS#3)
31	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
32	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
33	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
34	416 2-CHLORONAFHTHALENE (G3#5) <91-58-7>
35	478 2-NITROANILINE (G3#6) <88-74-4>
36	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
37	402 ACENAPHTHYLENE (G3#8) <208-96-8>
38	479 3-NITROANILINE (G3#9) <99-09-2>
39	401 ACENAPHTHENE (G3#10) <83-32-9>
40	605 2,4-DINITROPHENOL (G3#11) <51-28-5>
41	607 4-NITROPHENOL (G3#12) <100-02-7>
42	#76 DIBENZOFURAN (G3#13) <132-64-9>
43	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
44	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
45	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
[illegible]	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>

NO	NAME
47	432 FLUORENE (G3#18) <86-73-7>
48	480 4-NITROANILINE (G3#19) <100-01-6>
49	*** D10-PHENANTHRENE (IS#4)
50	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
51	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
.	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
53	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
54	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
55	444 PHENANTHRENE (G4#7) <85-01-8>
56	403 ANTHRACENE (G4#8) <120-12-7>
57	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
58	431 FLUORANTHENE (G4#10) <206-44-0>
59	*** D12-CHRYSENE (IS#5)
60	404 BENZIDINE (G5#2) <92-87-5>
61	445 PYRENE (G5#3) <129-00-0>
62	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
63	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
64	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
65	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
66	418 CHRYSENE (G5#8) <218-01-9>
67	*** D12-PERYLENE (IS#6)
68	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
69	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
70	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
71	406 BENZO(A)PYRENE (G6#5) <50-32-8>
72	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
73	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
74	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>
75	### 2-FLUOROPHENOL (SS#1)
76	### D5-PHENOL (SS#2)
77	### D5-NITROBENZENE (SS#3)
.	### 2-FLUOROBIPHENYL (SS#4)
79	### 2,4,6-TRIBROMOPHENOL (SS#5)
80	### D14-TERPHENYL (SS#6)
81	### D10 PYRENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		XTOT
1	152	498	7:35	1	1.000	A BV	1460890.	40.000	NG	6.16
2	42	254	3:52	1	0.510	A*BV	11008.	0.171	NG	0.03
3	94	472	7:11	1	0.948	A BB	1071070.	15.431	NG	2.38
4	93	NOT FOUND								
5	93	NOT FOUND								
6	128	483	7:21	1	0.970	A BB	1614940.	33.259	NG	5.12
7	146	499	7:36	1	1.002	A BB	897088.	15.600	NG	2.40
8	146	499	7:36	1	1.002	A BB	897088.	15.130	NG	2.33
9	108	NOT FOUND								
10	146	NOT FOUND								
11	108	NOT FOUND								
12	45	529	8:03	1	1.062	A BB	7488.	0.071	NG	0.01
13	105	NOT FOUND								
14	70	537	8:10	1	1.078	A BV	683072.	13.961	NG	2.15
15	117	NOT FOUND								
16	77	545	8.20	1	1.100	A BB	8832.	0.134	NG	0.02
17	136	610	9:17	17	1.000	A BV	4498430.	40.000	NG	6.16
18	82	NOT FOUND								
19	139	NOT FOUND								

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	122	NOT FOUND								
21	122	NOT FOUND								
22	93	NOT FOUND								
23	162	598	9:06	17	0.980	A BB	8992.	0.244	NG	0.04
24	180	606	9:13	17	0.993	A BV	652896.	15.055	NG	2.32
25	128	NOT FOUND								
26	127	NOT FOUND								
27	225	NOT FOUND								
28	107	659	10:02	17	1.080	A BV	1418360.	31.509	NG	4.85
29	142	NOT FOUND								
30	164	769	11:42	30	1.000	A BV	2280190.	40.000	NG	6.16
31	237	NOT FOUND								
32	196	NOT FOUND								
33	196	NOT FOUND								
34	162	NOT FOUND								
35	65	726	11:03	30	0.944	A BB	4960.	0.148	NG	0.02
36	163	NOT FOUND								
37	152	NOT FOUND								
38	138	NOT FOUND								
39	153	771	11:44	30	1.003	A BB	1113370.	15.591	NG	2.40
40	184	NOT FOUND								
41	139	786	11:58	30	1.022	A*VB	3776.	0.074	NG	0.01
42	168	NOT FOUND								
43	89	787	11:58	30	1.023	A VV	325696.	12.328	NG	1.90
44	165	752	11:27	30	0.978	A BB	2784.	0.166	NG	0.03
45	149	809	12:19	30	1.052	A*BV	31936.	0.343	NG	0.05
46	204	NOT FOUND								
47	166	NOT FOUND								
48	138	NOT FOUND								
49	188	901	13:43	49	1.000	A VV	3597050.	40.000	NG	6.16
50	198	NOT FOUND								
51	169	829	12:37	49	0.920	A*BV	2400.	0.056	NG	0.01
52	248	NOT FOUND								
53	284	NOT FOUND								
54	266	888	13:31	49	0.986	A VB	197856.	33.242	NG	5.12
55	178	900	13:42	49	0.999	A BB	2560.	0.027	NG	0.00
56	178	910	13:51	49	1.010	A BV	1184.	0.013	NG	0.00
57	149	954	14:31	49	1.059	A VV	2430610.	18.228	NG	2.81
58	202	1007	15:19	49	1.118	A*VV	16192	0.173	NG	0.03
59	240	1141	17:22	59	1.000	A VV	2141880.	40.000	NG	6.16
60	184	NOT FOUND								
61	202	1030	15:40	59	0.903	A VV	1891420.	21.821	NG	3.36
62	149	1086	16:31	59	0.952	A VV	9682.	0.218	NG	0.03
63	252	NOT FOUND								
64	228	1141	17:22	59	1.000	A BB	5952.	0.094	NG	0.01
65	149	1141	17:22	59	1.000	A VV	88614.	1.211	NG	0.19
66	228	1141	17:22	59	1.000	A BB	5952.	0.102	NG	0.02
67	264	1346	20:29	67	1.000	A BV	2267900.	40.000	NG	6.16
68	149	1213	18:27	67	0.901	A*VV	14200.	0.114	NG	0.02
69	252	NOT FOUND								
70	252	NOT FOUND								
71	252	NOT FOUND								
72	276	NOT FOUND								
73	276	NOT FOUND								
74	276	NOT FOUND								
75	112	391	5 57	1	0.785	A BB	1207160.	23.920	NG	3.69

NO	M/E	SCAN	TIME	REF	RPT	METH	AREA(HGHT)	AMOUNT		%TOT
76	99	471	7:10	1	0.946	A BV	1084190.	17.045	NG	2.63
77	82	548	8:20	17	0.898	A BV	1096830.	17.415	NG	2.68
78	172	707	10:45	30	0.919	A BB	1531800.	18.636	NG	2.87
79	141	839	12:46	30	1.091	A VV	256544.	40.631	NG	6.26
	244	1042	15:51	59	0.913	A VV	1372540.	23.341	NG	3.60
	212	1029	15:39	59	0.902	A VV	1771710.	23.628	NG	3.64

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:54	0.99	10.000	0.05	0.17	30.00	0.006	1.764	0.00
3	7:10	1.00	10.000	0.09	15.43	50.00	0.587	1.901	0.31
4	7:12		10.000			50.00		1.705	
5	7:16		10.000			50.00		1.595	
6	7:20	1.00	10.000	0.10	33.26	50.00	0.884	1.329	0.67
7	7:32	1.01	10.000	0.10	15.60	50.00	0.491	1.574	0.31
8	7:36	1.00	10.000	0.10	15.13	50.00	0.491	1.623	0.30
9	7:47		10.000			50.00		0.768	
10	7:50		10.000			50.00		1.461	
11	7:57		10.000			50.00		1.099	
12	7:59	1.01	10.000	0.11	0.07	50.00	0.004	2.878	0.00
13	8:08		10.000			50.00		1.225	
14	8:10	1.00	10.000	0.11	13.96	50.00	0.374	1.340	0.28
15	8:16		10.000			50.00		0.735	
16	8:22	1.00	10.000	0.11	0.13	50.00	0.005	1.810	0.00
17	9:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
18	8:40		10.000			50.00		0.981	
19	8:48		10.000			50.00		0.194	
20	8:50		10.000			50.00		0.358	
21	8:58		50.000			50.00		0.165	
22	8:58		10.000			50.00		0.485	
	9:06	1.00	10.000	0.10	0.24	50.00	0.002	0.327	0.00
	9:13	1.00	10.000	0.10	15.05	50.00	0.116	0.386	0.30
25	9:19		10.000			50.00		1.114	
26	9:23		10.000			50.00		0.306	
27	9:33		10.000			50.00		0.222	
28	10:02	1.00	10.000	0.11	31.51	50.00	0.252	0.400	0.63
29	10:14		10.000			50.00		0.688	
30	11:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
31	10:33		10.000			50.00		0.305	
32	10:39		10.000			100.00		0.388	
33	10:39		50.000			100.00		0.388	
34	10:54		10.000			50.00		1.271	
35	11:04	1.00	50.000	0.02	0.15	50.00	0.002	0.389	0.00
36	11:21		10.000			50.00		1.482	
37	11:28		10.000			50.00		1.775	
38	11:04		50.000			50.00		0.408	
39	11:44	1.00	10.000	0.10	15.59	50.00	0.391	1.253	0.31
40	11:46		50.000			50.00		0.070	
41	11:57	1.00	50.000	0.02	0.07	50.00	0.001	0.895	0.00
42	11:57		10.000			50.00		1.665	
43	11:59	1.00	10.000	0.10	12.33	50.00	0.114	0.463	0.25
44	11:27	1.00	10.000	0.10	0.17	50.00	0.001	0.293	0.00
45	12:19	1.00	10.000	0.11	0.34	50.00	0.011	1.631	0.01
46	12:24		10.000			50.00		0.598	
47	12:25		10.000			50.00		1.313	
	12:29		50.000			50.00		0.166	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
49	13:42	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
50	12:31		50.000			50.00		0.084	
51	12:34	1.00	10.000	0.09	0.06	50.00	0.001	0.476	0.00
52	13:03		10.000			50.00		0.212	
53	13:16		10.000			50.00		0.297	
54	13:30	1.00	50.000	0.02	33.24	50.00	0.044	0.066	0.66
55	13:44	1.00	10.000	0.10	0.03	50.00	0.001	1.069	0.00
56	13:47	1.00	10.000	0.10	0.01	50.00	0.000	0.999	0.00
57	14:29	1.00	10.000	0.11	18.23	50.00	0.541	1.483	0.36
58	15:20	1.00	10.000	0.11	0.17	50.00	0.004	1.042	0.00
59	17:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	15:29		50.000			50.00		0.006	
61	15:40	1.00	10.000	0.09	21.82	50.00	0.706	1.619	0.44
62	16:31	1.00	10.000	0.10	0.22	50.00	0.004	0.830	0.00
63	17:14		20.000			50.00		0.182	
64	17:19	1.00	10.000	0.10	0.09	50.00	0.002	1.183	0.00
65	17:20	1.00	10.000	0.10	1.21	50.00	0.033	1.367	0.02
66	17:23	1.00	10.000	0.10	0.10	50.00	0.002	1.084	0.00
67	20:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
68	18:26	1.00	10.000	0.09	0.11	50.00	0.005	2.193	0.00
69	19:30		10.000			100.00		1.126	
70	19:30		10.000			100.00		1.126	
71	20:17		10.000			50.00		1.029	
72	24:07		10.000			50.00		1.190	
73	24:12		10.000			50.00		0.979	
74	25:15		10.000			50.00		0.961	
75	5:57	1.00	0.742	1.06	23.92	50.00	0.661	1.382	0.48
76	7:09	1.00	0.948	1.00	17.04	50.00	0.594	1.742	0.34
77	8:20	1.00	0.875	1.03	17.41	50.00	0.195	0.560	0.35
78	10:46	1.00	0.906	1.01	18.64	50.00	0.537	1.442	0.37
79	12:46	1.00	1.118	0.98	40.63	50.00	0.090	0.111	0.81
80	15:50	1.00	0.907	1.01	23.34	50.00	0.513	1.098	0.47
81	15:38	1.00	0.906	1.00	23.63	50.00	0.662	1.400	0.47

CASE#: GEN TEST DUE DATE: 5/24

SEMI-VOLATILE
MS WORKSHEET COMPUCHEM#: 49806R

J[ ] R[X] D[ ] (:1)
J2[ ] R2[ ] D2[ ] (:1)

LOW LEVEL LIQUID
Deliverable Code 069

Sample Prep Code---056
Instrument Code---254
Compound List---142
Surrogate Std---392
Internal Std---035 (added by GC/MS)

SAS: EPA#: SS 293/300

GC/MS ANALYSIS
Volumes mixed: BN 100 ul Acid 100 ul
Internal Standard Volume Added 5 ul
Mixed Sample Volume Injected 1.0 ul
Date of Sample Bottle Analyzed 5/24/85
DFTPP Filename DH850525C07 Disk (78)
Standard Filename HG850525C07 Disk (78)
Sample Filename GR049806AC7 Disk (75)

ANALYST(S): Injection 644 Work-up 683

GC/MS REVIEW

CONDITION CODE: EP

Entry Codes OK,EA,JA, ES,AL,AN,PL,PX,FL,JS FX,NL,NX,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IH,SW,DT,CS,PC,DT,NS ED,IF,LA,D1,CO,RN,DW,DA

Disposition: [X] Complete

Extraneous Peak Search Results:
# of Peaks Found: 12

[ ] Reinjection required

[ ] Reextraction required

Quality Assurance Notice(s):
Notices Required

[ ] Dilute (:1)

COMMENTS:

[ ] Reinject Neat

[ ] Send to QA

GC/MS Review Date / / Auditor Date / /

REPORT INTEGRATION Total # of Injections:
Final Reportable Package(s): 6-12 /

QA COMMENTS:

Initials Date / /

FINAL REVIEW: Initials Date / /

EPAWATER (11/84)

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(#) (ug/l)	Detection Limit (ug/l)
	441	___	N-NITROSODIMETHYLAMINE (G1#2) <62-			BDL	20.0
3	610	___	PHENOL (G1#3) <108-95-2>	15.4		31.0	20.0
4	473	___	ANILINE (G1#4) <62-53-3>			BDL	20.0
5	411	___	BIS(2-CHLOROETHYL)ETHER (G1#5) <11			BDL	20.0
6	601	___	2-CHLOROPHENOL (G1#6) <95-57-8>	33.2		66.0	20.0
7	421	___	1,3-DICHLOROBENZENE (G1#7) <541-73	~~16.6~~		~~81.0~~ 66 J	20.0
8	422	___	1,4-DICHLOROBENZENE (G1#8) <106-46	15.1		30.0	20.0
9	474	___	BENZYL ALCOHOL (G1#9) <100-51-6>			BDL	20.0
10	420	___	1,2-DICHLOROBENZENE (G1#10) <95-50			BDL	20.0
11	620	___	2-METHYLPHENOL (G1#11) <95-48-7>			BDL	20.0
12	412	___	BIS(2-CHLOROISOPROPYL)ETHER (01#12			BDL	20.0
13	622	___	4-METHYLPHENOL (G1#13) <106-44-5>			BDL	20.0
14	442	___	N-NITROSO-DI-N-PROPYLAMINE (G1#14)	14.0		28.0	20.0
15	436	___	HEXACHLOROETHANE (G1#15) <67-72-1>			BDL	20.0
16	440	___	NITROBENZENE (G1#16) <98-95-3>			BDL	20.0
18	438	___	ISOPHORONE (G2#2) <78-59-1>			BDL	20.0
19	606	___	2-NITROPHENOL (G2#3) <88-75-5>			BDL	20.0
20	603	___	2,4-DIMETHYLPHENOL (G2#4) <105-67-			BDL	20.0
21	625	___	BENZOIC ACID (02#5) <65-85-0>			BDL	100.0
22	410	___	BIS(2-CHLOROETHOXY)METHANE (G2#6)			BDL	20.0
23	602	___	2,4-DICHLOROPHENOL (G2#7) <120-83-			BDL	20.0
24	446	___	1,2,4-TRICHLOROBENZENE (G2#8) <120	15.0		30.0	20.0
25	439	___	NAPHTHALENE (G2#9) <91-20-3>			BDL	20.0
26	475	___	4-CHLOROANILINE (G2#10) <106-47-0>			BDL	20.0
27	434	___	HEXACHLOROBUTADIENE (G2#11) <87-68			BDL	20.0
28	608	___	P-CHLORO-M-CRESOL (G2#12) <59-50-7	31.5		63.0	20.0
	477	___	2-METHYLNAPHTHALENE (G2#13) <91-57			BDL	20.0
31	435	___	HEXACHLOROCYCLOPENTADIENE (03#2) <			BDL	20.0
32	611	___	2,4,6-TRICHLOROPHENOL (03#3) <88-0			BDL	20.0
33	626	___	2,4,5-TRICHLOROPHENOL (03#4) <95-9			BDL	100.0
34	416	___	2-CHLORONAPHTHALENE (G3#5) <91-58-			BDL	20.0
35	478	___	2-NITROANILINE (03#6) <88-74-4>			BDL	100.0
36	425	___	DIMETHYL PHTHALATE (G3#7) <131-11-			BDL	20.0
37	402	___	ACENAPHTHYLENE (G3#8) <208-96-8>			BDL	20.0
38	479	___	3-NITROANILINE (G3#9) <99-09-2>			BDL	100.0
39	401	___	ACENAPHTHENE (G3#10) <83-32-9>	15.6		31.0	20.0
40	605	___	2,4-DINITROPHENOL (03#11) <51-28-5			BDL	100.0
41	607	___	4-NITROPHENOL (G3#12) <100-02-7>			BDL	100.0
42	476	___	DIBENZOFURAN (G3#13) <132-64-9>			BDL	20.0
43	#27	___	2,4-DINITROTOLUENE (G3#14) <121-14	12.3		25.0	20.0
44	428	___	2,6-DINITROTOLUENE (G3#15) <606-20			BDL	20.0
45	424	___	DIETHYL PHTHALATE (G3#16) <84-66-2			BDL	20.0
46	417	___	4-CHLOROPHENYL PHENYL ETHER (G3#17			BDL	20.0
47	432	___	FLUORENE (G3#18) <86-73-7>			BDL	20.0
48	480	___	4-NITROANILINE (G3#19) <100-01-6>			BDL	100.0
50	604	___	4,6-DINITRO-2-METHYLPHENOL (G4#2)			BDL	100.0
51	443	___	N-NITROSODIPHENYLAMINE (G4#3) <86-			BDL	20.0
52	414	___	4-BROMOPHENYL PHENYL ETHER (G4#4)			BDL	20.0
53	433	___	HEXACHLOROBENZENE (G4#5) <118-74-1			BDL	20.0
54	609	___	PENTACHLOROPHENOL (G4#6) <87-86-5>	33.2		J	100.0
55	444	___	PHENANTHRENE (G4#7) <85-01-8>			BDL	20.0
	403	___	ANTHRACENE (G4#8) <120-12-7>			BDL	20.0
	426	___	DI-N-BUTYL PHTHALATE (G4#9) <84-74	18.2		36.0	20.0
58	431	___	FLUORANTHENE (G4#10) <206-44-0>			BDL	20.0

No	CC ID#	Lab Cde	Compound Name	Quant Report Value	X	Result(*) (ug/l)	Detection Limit (ug/l)
60	404	___	BENZIDINE (G5#2) <92-87-5>			BDL	100.0
61	445	___	PYRENE (G5#3) <129-00-0>	21.8		44.0	20.0
62	415	___	BUTYLBENZYL PHTHALATE (G5#4) <85-6			BDL	20.0
63	423	___	3,3'-DICHLOROBENZIDINE (G5#5) <91-			BDL	40.0
64	405	___	BENZO(A)ANTHRACENE (G5#6) <56-55-3			BDL	20.0
65	413	___	BIS(2-ETHYLHEXYL) PHTHALATE (G5#7)			BDL	20.0
66	418	___	CHRYSENE (G5#8) <218-01-9>			BDL	20.0
68	429	___	DI-N-OCTYL PHTHALATE (G6#2) <117-8			BDL	20.0
69	407	___	BENZO(B)FLUORANTHENE (G6#3) <205-9			BDL	20.0
70	409	___	BENZO(K)FLUORANTHENE (G6#4) <207-0			BDL	20.0
71	406	___	BENZO(A)PYRENE (G6#5) <50-32-8>			BDL	20.0
72	437	___	INDENO(1,2,3-C,D)PYRENE (G6#6) <19			BDL	20.0
73	419	___	DIBENZO(A,H)ANTHRACENE (G6#7) <53-			BDL	20.0
74	408	___	BENZO(G,H,I)PERYLENE (G6#8) <191-2			BDL	20.0

Semi-Volatile - Liquid

	CC ID#	Surrogate Compound	Guant Report Value	Guant Report Amount Spiked	% ++ Recovery	Control Range	P	F
75	##	2-FLUOROPHENOL (SS#1)	23.9	50.0	48.0	23-121	X	
76	##	D5-PHENOL (SS#2)	17.0	50.0	34.0	15-103	X	
77	##	D5-NITROBENZENE (SS#3)	17.4	25.0	70.0	41-120	X	
78	##	2-FLUOROBIPHENYL (SS#4)	18.6	25.0	74.0	44-119	X	
79	##	2,4,6-TRIBROMOPHENOL (SS#5)	40.6	50.0	81.0	10-130	X	
80	##	D14-TERPHENYL (SS#6)	23.3	25.0	93.0	33-128	X	
81	##	D10 PYRENE	23.6	25.0	94.0	33-128*	X	

* Advisory surrogate only
++ % recovery = Guant report value / Guant report amount spiked X 100 %

P F

Internal Standard (#52) D10-Phenanthrene > 40000 Cnts ___ ___

Correction Factor Calculation:

$$\frac{\text{Final Extract Volume (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{1000\ \text{ml}}{\text{Vol Sample Extract\#d (ml)}} \times \text{Dilution Factor} \times 2 =$$

$$\frac{0.5\text{ml}}{1.0\text{ml \& 1.0ml}} \times \frac{1000.\text{ml}}{500.\text{ml}} \times \frac{1.0}{\text{Dilution Factor}} \times 2 = 2.000$$

Quant Report amount spiked conversion factor:

$$\frac{500\ \text{ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol (ml)}}{\text{1.0ml for Acid \& 1.0ml for BN}} \times \frac{\text{GCMS Dilution Factor}}{1} \times 2 =$$

$$\frac{500\ \text{ul}}{250\ \text{ul}} \times \frac{0.5\text{ml}}{1.0\text{ml \& 1.0ml}} \times \frac{1.0}{1} \times 2 = 2.000$$

EXTRACTION WORKSHEET

Semi-Volatiles / Miscellaneous

ASSIGNED TO Delaurent

DATE ASSIGNED 5/24/85

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	FINAL EXTRACT VOL (MLS) ACID	FINAL EXTRACT VOL (MLS) PEST	ADJUSTED PH B/N	ADJUSTED PH A	DATE COMPT	COMMENTS
49806K	-SG	GenTest		SS	49613	500 ml		0.5ml	0.5ml		13	1	5/24	Save 49803 ext / 49811, 12, 13, 14, 49816
49805K	-			SS		500 ml		0.5ml	0.5ml		13	1	5/24	Used 250ul surrogate and 500 ml water. H2O blk samples
49811K			NH			1000 ml		1.0ml	1.0ml		13	1	5/24	
49812K		↓	NH			1000 ml		1.0ml	1.0ml		13	1	5/24	
50168K		4236	BB245			1000 ml		1.0ml	1.0ml		13	1	5/24	
50173K			BB246			1000 ml		1.0ml	1.0ml		13	1	5/24	
50180K		↓	BB249			1000 ml		1.0ml	1.0ml		13	1	5/24	
51625				BS1		1000 ml		1.0ml	1.0ml		13	1	5/24	
51626	↓			BS2		1000 ml		1.0ml	1.0ml		13	1	5/24	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	393					
	AMT.	0.5ml					
	LOT	14693					
SPIKE	NO.		2012	2021			
	AMT.		0.25ml	0.25ml			
	LOT		14655	14687			

MANUAL COUNTER 272/463

FINAL VOLUME VERIFIED OK

SUPERVISOR REVIEWED OK

EXTRACTS RECEIVED BY TD 5/24/85

Issued 5/24/85 TSD

No 218