

VOLUME 3
RESULTS OF ENVIRONMENTAL INVESTIGATIONS
APPENDIX 3

Of The

COMM 100 ASSOCIATES FACILITY
100 COMMERCIAL STREET
PLAINVIEW, NASSAU COUNTY, NEW YORK
SITE NO. 1-30-075

For

ROBIN S. WEINSTEIN, ESQ.
KENSINGTON & RESSLER, P.C.
400 MADISON AVENUE
NEW YORK, NEW YORK 10017-1910

By

EIKON PLANNING AND DESIGN CORP.
P.O. BOX 469 - 221 HIGH STREET
HACKETTSTOWN, NEW JERSEY 07840

February 1, 1995

SDG CASE NARRATIVE
ORGANICS NYASP 12/91

Lab Name: LRI

Client: Eikon Planning & Design Corp.

Project: Comm 100 Assoc.

Job No.: T403166 & T403167

CASE No. : 03166

SDG No. : 316601

The following samples are included in this Sample Delivery Group:

SAMPLE ID

LAB ID #	Matrix	CLIENT ID #	(to be used on forms)
T403166-01	soil	SP1 40-4 2	SP1 40
T403166-02	soil	SP1 45-47	SP1 45
T403166-03	water	FLD BLK 3-14-94	FB-14
T403167-01	soil	P-1	P-1
T403167-02	soil	P-4	P-4
T403167-03	soil	P-3	P-3
T403167-04	water	FLD BLK 3-11-94	FB-11

Detailed Documentation of Problems Encountered With These samples:

General

1. Please note that for the cross reference check the Lab sample ID. with Client ID. is listed above on this case narrative.
2. The EPA sample number in all the forms is the Client identification from the Chain-of-Custody, the six (6) characters (due to too many client sample ID).
3. All the above soil samples for Organics analysis were performed at LRI -NJ Div. for job # T403166 and T403167 in one data package with Case #03166, SDG #316601.

Volatile Fraction:

1. Please note that the concentrations of trans-1,3- Dichloropropene and cis-1,3-Dichloropropene are 92 and 106 percent respectively from the theoretical value in the standard solution mix which is purchased from Supelco.

2. Cis-1,2-Dichloroethene and Trans-1,2-Dichloroethene are separated on the capillary column, therefore on the standards quantitation pages are reported as 1,2-Dichloroethene (total).
3. All the analysis of samples, Blank, Blank Spike, Matrix Spike and Matrix Spike Duplicate were performed within holding time.
4. Sample T403120-01 (EB-21) was analyzed for MS/MSD for low level soil analysis and sample T403167-01 (P-1) was analyzed for MS/MSD for medium level soil analysis in a batch of 20 samples for these work orders T403166 and T403167.
5. The surrogate recovery of SMC1 (TOL) and SMC2 (FBF) are outside of the required QC limits in sample T403167-01 (P-1) in medium level soil analysis, the sample was reanalyzed at a dilution requirement and all three surrogates are outside of QC limits. This is due to the matrix interference in the sample, also one surrogate recovery is out of QC limit on MS, MSD analysis of the same sample.
6. The CRQL's are elevated due to the dilution required for sample T403167-01, -01DL (P-1), due to a very high level of tetrachloroethene present in the sample.

Semivolatile Fraction:

1. Please note that the calibration standards contain equal amounts of 3-Methylphenol and 4-Methylphenol. These two compounds coelute. Therefore, the calibration amount in all standards are doubled. For example, in the SSTD050 check standards 4-Methylphenol appears as 100 instead of 50. This is in the standard solution mix which is purchased by LRI from Protocol Analytical Supplies.
2. All the analysis of samples, Blank, Blank Spike, Matrix spike and Matrix Spike Duplicate were performed within the required holding time.
3. Sample T403166-01 (SP1 40) was analyzed for MS/MSD for these work orders T403166 and T403167 in a batch of 20 samples.
4. The surrogate recovery of S2 (FBP) was outside of the required QC limits in sample T403167-01 (P-1), it stands compliant as per NYASP 12/91.
5. The CRQL's are elevated due to matrix interference for sample T403167-01 (P-1).
6. Double amount of spiking solution was added to the MS, MSD and Blank spike at the extraction level (un-intentionally), therefore on form I (shows as E) for SBLK MS, MS and MSD the spiking compounds are higher than linear range.

7. Seven matrix spike compounds are outside of QC limits on sample T403167-01 (SP1 40) MS/MSD.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



04-05-94

Moe Amirsoleymani
CLP/SAS, QA/QC Manager

THE ASP CLP DATA PACKAGE IS AS FOLLOWING: CASE NARRATIVE, CHAIN-OF-CUSTODY, FOLLOWED BY VOLATILE, SEMIVOLATILE FRACTION AS NYASP ORDER AND FINALLY THE MISCELLANEOUS PAGE, SUCH AS SAMPLE PREP LOG, % TOTAL SOLID PAGE, GC/MS, GC ANALYSIS RUN LOG, Internal-Chain-of-Custody AND SAMPLE LOG-IN SHEET, SDG SHEET.

CUSTOMER INFORMATION

CUSTOMER: COMM 100 ASSOC. c/o
 ADDRESS: EIKON PLANNING AND DESIGN CORP.
P.O. BOX 464 - 221 HIGH ST.
HACKETTSTOWN, N.J. 07840
 TELEPHONE: 908-813-2323
 FAX: 908-813-8360

PROJECT INFORMATION

PROJECT: COMM 100 ASSOC.
 PROJECT LOCATION: PLANNING STATE: N.J.
 PROJECT MANAGER: A.W. EISENBERGER
 IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:
 NAME: A.W. EISENBERGER
 TELEPHONE: 908-813-2323
 FAX: 908-813-8360

BILLING INFORMATION

BILL TO: COMM 100 ASSOC. c/o
 ADDRESS: EIKON PLANNING AND DESIGN CORP.
P.O. BOX 464 - 221 HIGH ST.
HACKETTSTOWN, NJ 07840
 ATTENTION: A.W. EISENBERGER
 TELEPHONE: 908-813-2323
 PO #: 908-813-8360

LAB ID CODE	SAMPLE IDENTIFICATION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE		SAMPLE MATRIX	# OF BOTTLES	VOC+15	SVOC+25	PPH/PAHS	ANALYSIS								PRESERVATIVES				
				COMPOSITE	GRAB														H2SO4	HCL	HNO3	NaOH	NON-PRES
01	SP1, 40-42	3-14-94	13:10		X	SOIL	2	X	X	X													X
02	SP1, 45-47	3-14-94	13:45		X	SOIL	2	X	X	X													X
03	FLD BLK, 3-14-94	3-14-94	14:05		X	ADJUVS	2	X											X				

TURNAROUND (INDICATE IN CALENDAR DAYS): W/IN FAX W/IN HARD COPY NORMAL DELIV. PKG.

NAME OF LAB PERSONNEL CONFIRMING: _____

DELIVERABLES / (CIRCLE ONE): DATA DATA/QC RED/DELIV NJ/CLP I NJ/CLP II

NJ/REGL NY/ASP CLP OTHER _____

SAMPLER / AFFILIATION: W/IN EIKON

RECEIVED / AFFILIATION: K. Dugan LRI

RELINQUISHED / AFFILIATION: _____

RECEIVED / AFFILIATION: _____

RELINQUISHED / AFFILIATION: _____

RECEIVED / AFFILIATION: _____

DATE: 3-14-94

TIME: 18:03

DATE: _____

TIME: _____

DATE: _____

TIME: _____

☐ RETURN TO CLIENT FOR DISPOSAL ☒ LAB DISPOSAL

KNOWN HAZARD (FLAMMABLE, EXPLOSIVE, TOXIC)

☐ YES ☒ NO (IF YES EXPLAIN UNDER COMMENTS)

LAB USE CONDITIONS OF BOTTLES AND COOLER AT RECEIPT:

☐ COMPLIANT ☐ NOT COMPLIANT (IF NOT EXPLAIN UNDER COMMENTS)

COMMENTS _____

BILLING INFORMATION

FAX: (904) 075-4560

FAX: (702) 438-2360

PO #:

APR 24 9

COMMENTS NO SUBCONTRACTORS W/OUT PRIOR Eikon APPROVAL

2B

Contract:

SDG No.: 316601

Level: (low/med) LOW

[illegible]

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

```
# Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring Compound diluted out
```


28

Contract:

SDG No.: 316601

Level: (low/med) MED

[illegible]

		QC LIMITS
SMC1	(TOL) = Toluene-d8	(84-138)
SMC2	(BFB) = Bromofluorobenzene	(59-113)
SMC3	(DCE) = 1,2-Dichloroethane-d4	(70-121)

```
# Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring Compound diluted out
```

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix Spike - NYSDEC Sample No: EB-21

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	64	0	65	101	59-172
Trichloroethene	64	0	58	90	62-137
Benzene	64	0	56	87	66-142
Toluene	64	0	55	86	59-139
Chlorobenzene	64	0	65	102	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	64	71	111	9	22 59-172
Trichloroethene	64	62	97	7	24 62-137
Benzene	64	60	94	8	21 66-142
Toluene	64	60	93	8	21 59-139
Chlorobenzene	64	70	109	7	21 60-133

Column to be used to flag recovery and RPD value with an asterisk
 * Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM III CLP-VOA-2

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix Spike - NYSDEC Sample No: P-1 DL

Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	26042	0	27317	105	59-172
Trichloroethene	26042	0	23413	90	62-137
Benzene	26042	0	26151	100	66-142
Toluene	26042	0	19193	74	59-139
Chlorobenzene	26042	0	17146	66	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	26042	28026	108	3	22 59-172
Trichloroethene	26042	22982	88	2	24 62-137
Benzene	26042	23385	90	11	21 66-142
Toluene	26042	18209	70	6	21 59-139
Chlorobenzene	26042	18896	73	10	21 60-133

Column to be used to flag recovery and RPD value with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM III CLP-VOA-2

NYSDEC SAMPLE NO.

Contract:

VBLK14

SDG No.: 316601

Lab Sample ID: VBLK-QB0314

Time Analyzed: 11:48

Heated Purge: (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, AND MSB

[illegible]

COMMENTS:

NYSDEC SAMPLE NO.

Contract:

VBLK16

SDG No.: 316601

Lab Sample ID: VBLK-Q80316

Time Analyzed: 15:16

Heated Purge: (Y/N) Y

Instrument ID: MSD/B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS,MSD, AND MSB

[illegible]

COMMENTS:

page of

VBLK21

Contract :

SAS No. :

Lab Sample ID: VBLK-QC0321

Time Analyzed: 12:25

Heated Purge: (Y/N) N

Instrument ID: MSD/C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS,MSD, AND MSB

COMMENTS:

NYSDEC SAMPLE NO.

VBLK23

Contract:

SDG No.: 316601

Lab Sample ID: VBLK-QC0323

Time Analyzed: 11:52

Heated Purge: (Y/N) N

Instrument ID: MSD/C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS,MSD, AND MSB

[illegible]

COMMENTS:

page of

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: LRI Contract:
Lab Code: LRI Case No.: SAS No.: SDG No.:
Lab File ID: >B3128 BFB Injection Date: 3/02/94
Instrument ID: MSD/B BFB Injection Time: 15:05
GC Column : CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	.5 .6)1
174	50.0 - 120.0% of mass 95	82.6
175	5.0 - 9.0 % of mass 174	6. 7.8)1
176	95.0 - 101.0% of mass 174	82.6 99.9)1
177	5.0 - 9.0% of mass 176	5.4 6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	ANALYZED
1 USTD020	USTD020	>B3129	940302	15:37
2 USTD050	USTD050	>B3130	940302	16:18
3 USTD200	USTD200	>B3133	940302	18:24
4 USTD010	USTD010	>B3135	940302	19:47
5 USTD100	USTD100	>B3138	940302	21:50

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: LRI Contract:
Lab Code: LRI Case No.: SAS No.: SDG No.:
Lab File ID: >C3190 BFB Injection Date: 3/07/94
Instrument ID: MSD/C BFB Injection Time: 10:10
GC Column : CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	21.3	
75	30.0 - 60.0% of mass 95	49.7	
95	Base Peak, 100% relative abundance	100.	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	0.0)1
174	50.0 - 120.0% of mass 95	90.9	
175	5.0 - 9.0 % of mass 174	5.	6.0)1
176	95.0 - 101.0% of mass 174	89.3	98.3)1
177	5.0 - 9.0% of mass 176	6.0	6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	ANALYZED
1 USTD010	IUSTD010	>C3191	940307	10:55
2 USTD020	IUSTD020	>C3192	940307	11:31
3 USTD200	IUSTD200	>C3193	940307	12:09
4 USTD100	IUSTD100	>C3194	940307	12:51
5 USTD050	IUSTD050	>C3195	940307	13:34

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: LRI Contract:
Lab Code: LRI Case No.: 03166 SAS No.: SDG No.: 316601
Lab File ID: >B3247 BFB Injection Date: 3/14/94
Instrument ID: MSD/B BFB Injection Time: 9:50
GC Column : CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	.5 .6)1
174	50.0 - 120.0% of mass 95	86.2
175	5.0 - 9.0 % of mass 174	6. 7.1)1
176	95.0 - 101.0% of mass 174	85.0 98.6)1
177	5.0 - 9.0% of mass 176	5.5 6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	ANALYZED
1 USTD050	USTD050	>B3248	940314	10:23
2 UBLK14	UBLK-QB0314	>B3250	940314	11:48
3 EB-21	IT403120-01	>B3251	940314	12:29
4 EB-21 MS	IT403120-01MS	>B3252	940314	13:11
5 EB-21 MSD	IT403120-01MSD	>B3253	940314	13:55
6 UBLKMS	UBLK-MS	>B3254	940314	14:35

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Lab File ID: >B3270

BFB Injection Date: 3/16/94

Instrument ID: MSD/B

BFB Injection Time: 12:53

GC Column : CAP

ID: 0.53 (mm)

Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	44.0
95	Base Peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	.4 .5)1
174	50.0 - 120.0% of mass 95	83.2
175	5.0 - 9.0 % of mass 174	6. 7.2)1
176	95.0 - 101.0% of mass 174	82.8 99.5)1
177	5.0 - 9.0% of mass 176	5.6 6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	ANALYZED
1 USTD050	USTD050	>B3271	940316	13:20
2 UBLK16	UBLK-QB0316	>B3273	940316	15:16
3 SP1 40	IT403166-01	>B3275	940316	16:37
4 SP1 45	IT403166-02	>B3276	940316	17:17

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: LRI Contract:
Lab Code: LRI Case No.: 03166 SAS No.: SDG No.: 316601
Lab File ID: >C3333 BFB Injection Date: 3/21/94
Instrument ID: MSD/C BFB Injection Time: 9:42
GC Column : CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.3
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 0.0)1
174	50.0 - 120.0% of mass 95	81.7
175	5.0 - 9.0 % of mass 174	7. 8.5)1
176	95.0 - 101.0% of mass 174	80.8 98.9)1
177	5.0 - 9.0% of mass 176	5.3 6.6)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1 VSTD050	VSTD050	>C3334	940321	10:16
2 VBLK21	VBLK-QC0321	>C3336	940321	12:25
3 P-1	IT403167-01	>C3337	940321	13:20
4 P-1 DL	IT403167-01 DL	>C3338	940321	14:28
5 P-1/MS	IT403167-01/MS	>C3339	940321	15:05
6 P-1/MSD	IT403167-01/MSD	>C3340	940321	15:42

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 40

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-01

Sample wt/vol: 5.0 [g/mL] G

Lab File ID: >B3275

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N) N

Date Analyzed: 03/16/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

74-87-3-----	Chloromethane	10	IU	
74-83-9-----	Bromomethane	10	IU	
75-01-4-----	Vinyl Chloride	10	IU	
75-00-3-----	Chloroethane	10	IU	
75-09-2-----	Methylene Chloride	10	IU	<i>mb</i>
67-64-1-----	Acetone	10	I	
75-15-0-----	Carbon Disulfide	10	IU	
75-35-4-----	1,1-Dichloroethene	10	IU	
75-34-3-----	1,1-Dichloroethane	10	IU	
540-59-0-----	1,2-Dichloroethene (total)	10	IU	
67-66-3-----	Chloroform	10	IU	
107-06-2-----	1,2-Dichloroethane	10	IU	
78-93-3-----	2-Butanone	10	IU	
71-55-6-----	1,1,1-Trichloroethane	10	IU	
56-23-5-----	Carbon Tetrachloride	10	IU	
75-27-4-----	Bromodichloromethane	10	IU	
78-87-5-----	1,2-Dichloropropane	10	IU	
10061-01-5-----	cis-1,3-Dichloropropene	10	IU	
79-01-6-----	Trichloroethene	10	IU	
124-48-1-----	Dibromochloromethane	10	IU	
79-00-5-----	1,1,2-Trichloroethane	10	IU	
71-43-2-----	Benzene	10	IU	
10061-02-6-----	trans-1,3-Dichloropropene	10	IU	
75-25-2-----	Bromoform	10	IU	
108-10-1-----	4-Methyl-2-Pentanone	10	IU	
591-78-6-----	2-Hexanone	10	IU	
127-18-4-----	Tetrachloroethene	1	I J	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	IU	
108-88-3-----	Toluene	10	IU	
108-90-7-----	Chlorobenzene	10	IU	
100-41-4-----	Ethylbenzene	10	IU	
100-42-5-----	Styrene	10	IU	
1330-20-7-----	Xylene (total)	10	IU	

22

NYSDEC SAMPLE NO.

SP1 40

Contract:

SDG No.: 316601

Lab Sample ID: T403166-01

Lab File ID: >B3275:

Date Received: 03/14/94

Date Analyzed: 03/16/94

Dilution Factor: 1.0

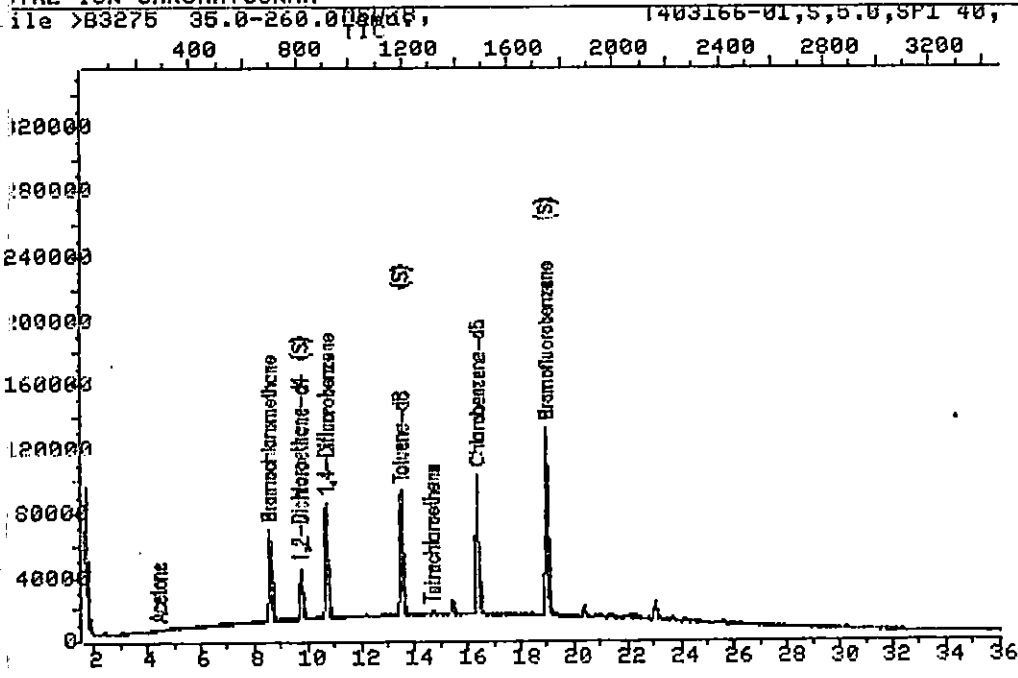
Soil Aliquot Volume: (uL)

Number TICs found: 3

(ug/L or ug/Kg) UG/KG

FORM I-CLP-VOA-TIC

TOTAL ION CHROMATOGRAM



Data File: >B3275::B1

Quant Output File: ^B3275::QT

Name: MSD/B,

Instrument ID: B

Misc: T403166-01,S,5.0,SP1 40,

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940316 13:20

Operator ID: EILEEN

Quant Time : 940316 17:14

Injected at: 940316 16:37

QUANT REPORT

Page 1

Operator ID: EILEEN
Output File: ^B3275::QT
Data File: >B3275::B1
Reagent: MSD/B,
Sample: T403166-01,S,5.0,SP1 40,

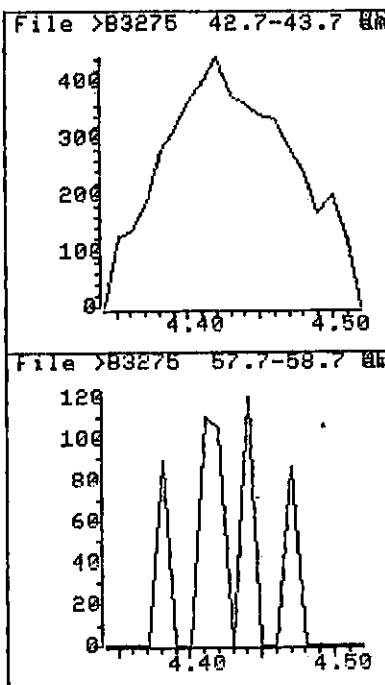
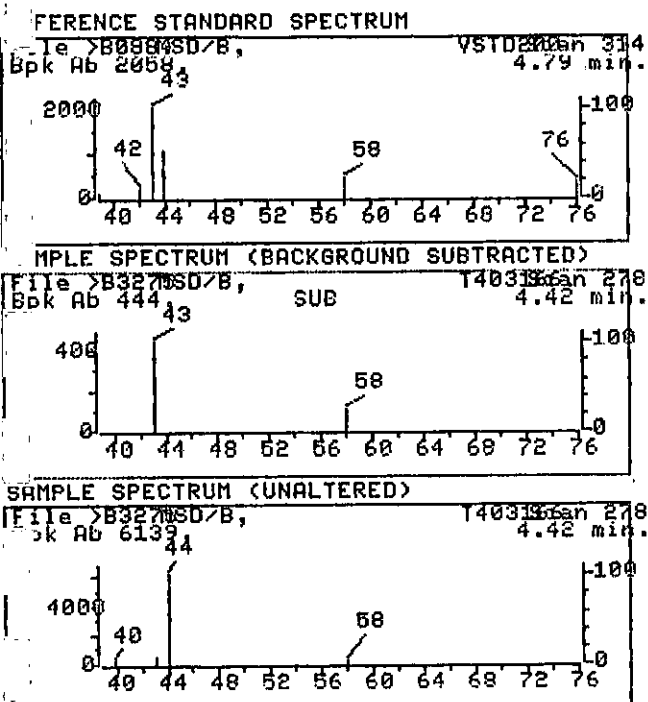
Quant Rev: 7 Quant Time: 940316 17:14
 Injected at: 940316 16:37
Dilution Factor: 1.00000
Instrument ID: B

Output File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940316 13:20

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	8.55	127.9	46659	50.00	UG/L	76
2) Acetone	4.42	43.0	2786	9.30	UG/L	87
3) 1,2-Dichloroethane-d4 (S)	9.71	65.0	69168	54.84	UG/L	93
4) *1,4-Difluorobenzene	10.72	114.0	177088	50.00	UG/L	97
5) *Chlorobenzene-d5	16.38	117.0	154559	50.00	UG/L	95
6) Toluene-d8 (S)	13.49	98.0	165017	50.36	UG/L	98
7) Tetrachloroethene	14.66	164.0	2177	1.16	UG/L	87
8) Bromofluorobenzene (S)	18.94	95.0	146344	46.84	UG/L	95

Compound is ISTD

2 Hits
JP
03-17-94



Data File: >B3275::B1
Name: MSD/B,
Misc: T403166-01,S,5.0,SP1 40,
Quant Time: 940316 17:14
Injected at: 940316 16:37
Last Qcal Time: 940316 13:20

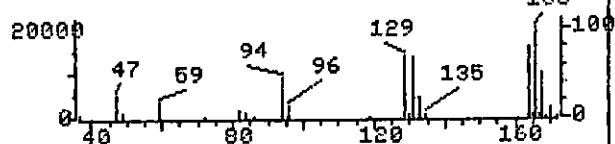
Quant Output File: ^B3275::QT
Instrument ID: B

Quant ID File: IDB90S::C2
Last Calibration: 940126 15:13

Compound No : 8
Compound Name : Acetone
Scan Number : 278
Retention Time: 4.42 min.
Quant Ion : 43.0
Area : 2786
Concentration : 9.30 UG/L
q-value : 87

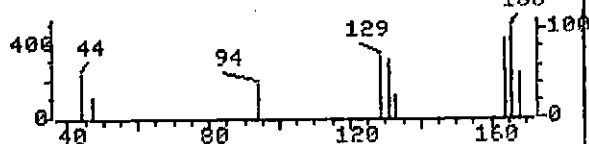
REFERENCE STANDARD SPECTRUM

File >B3275 Tetrachloroethene Scan 1335
Bpk Ab 20296. SUB 14.66 min.



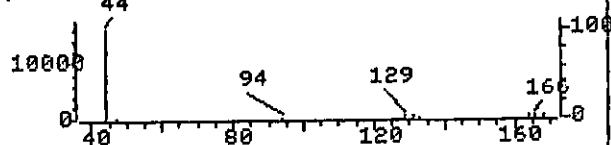
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

File >B3275 MSD/B, T403166 1311
Bpk Ab 473. SUB 14.66 min.

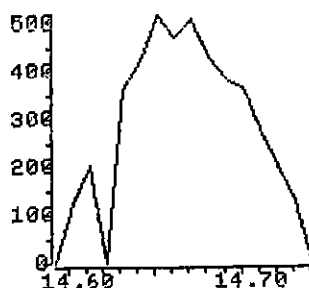


SAMPLE SPECTRUM (UNALTERED)

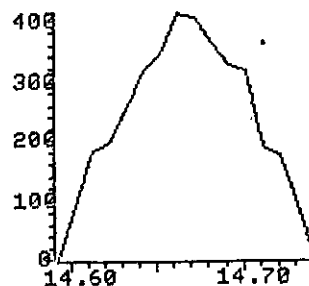
File >B3275 MSD/B, T403166 1311
Bpk Ab 15910. SUB 14.66 min.



File >B3275 165.7-166.49



File >B3275 163.7-164.49

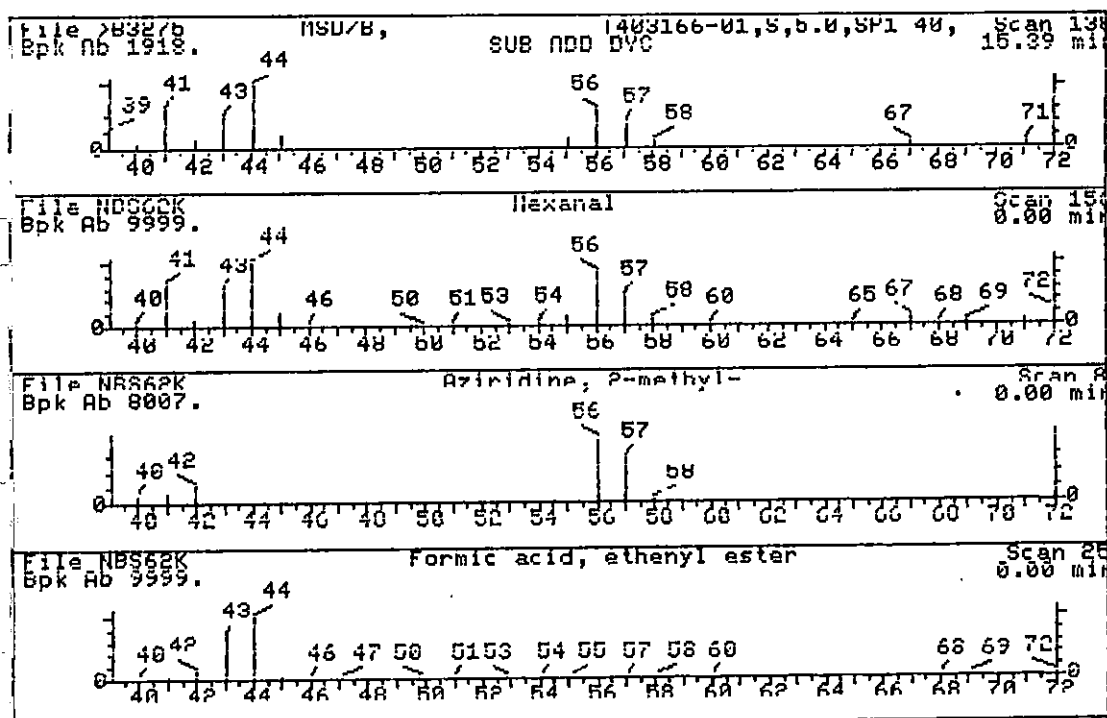


Data File: >B3275::B1
Name: MSD/B,
Misc: T403166-01,S,5.0,SP1 40,
Quant Time: 940316 17:14
Injected at: 940316 16:37
Last Qcal Time: 940316 13:20

Quant Output File: ^B3275::QT
Instrument ID: B

Quant ID File: IDB90S::C2
Last Calibration: 940126 15:13

Compound No : 32
Compound Name : Tetrachloroethene
Scan Number : 1311
Retention Time: 14.66 min.
Quant Ion : 164.0
Area : 2177
Concentration : 1.16 UG/L
q-value : 87

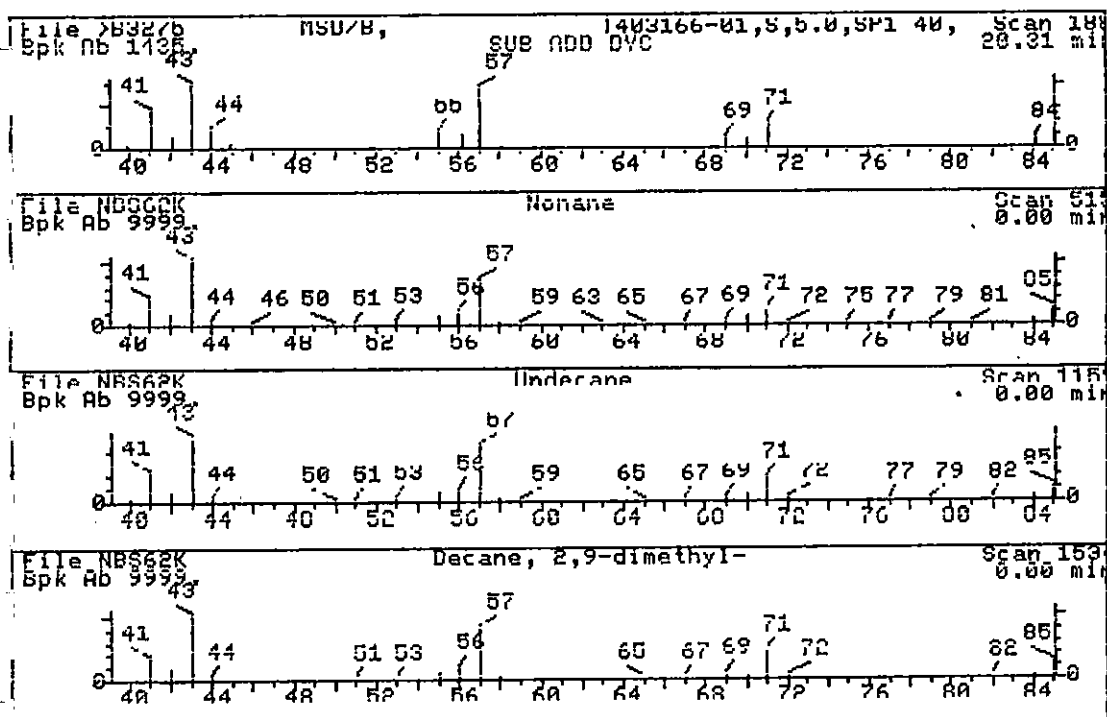


Unknown #,2
Area = 47624.00 Tentative Concentration (ppb) is 5.00

1. Hexanal	100 C6H12O
2. Aziridine, 2-methyl-	57 C3H7N
3. Formic acid, ethenyl ester	72 C3H4O2

Sample file: >B3275 Spectrum #: 1384
Search speed: 1 Tilting option: S No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	83	66251	5395	NBS62K	75	26	3	0	69	2	57	22		
2.	20*	75558	1170	NBS62K	21	35	0	0	46	55	5	15		
3.	20*	692455	310	NBS62K	20	73	0	0	71	55	5	15		

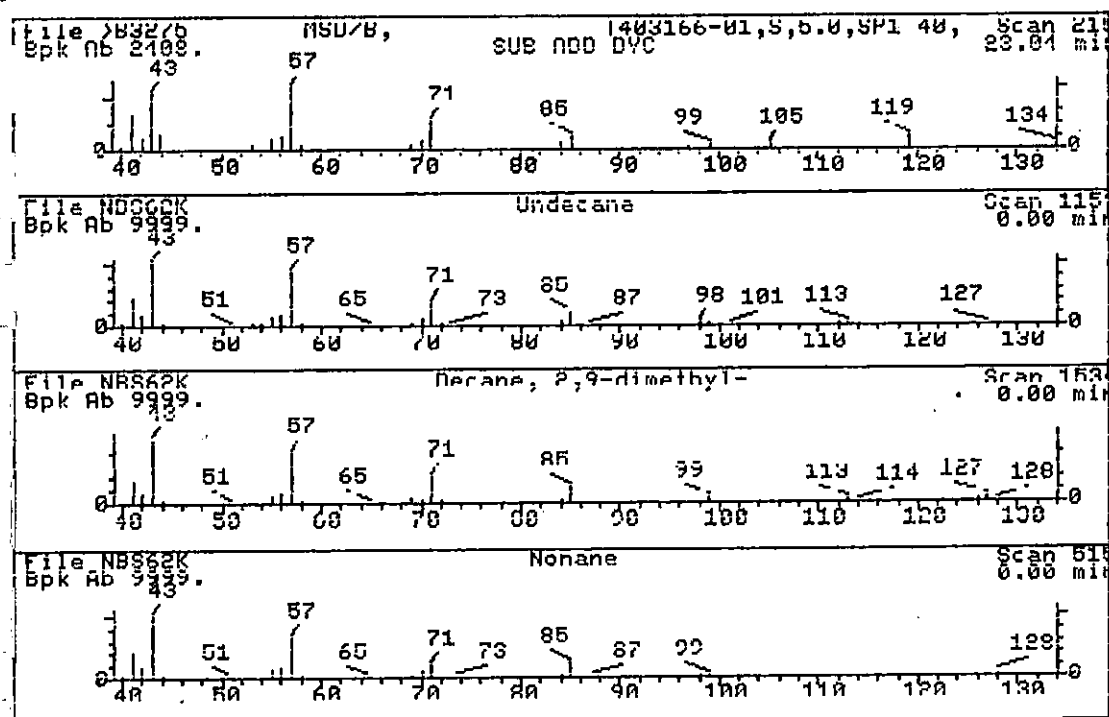


Unknown #,3
Area = 48380.00 Tentative Concentration (ppb) is 5.00

1. Nonane	128 C9H20
2. Undecane	156 C11H24
3. Decane, 2,9-dimethyl-	170 C12H26
4. Pyrrolidine, 3-methyl-	85 C5H11N
5. 1-Pentene, 4-methyl-	84 C6H12

Sample file: >B3275 Spectrum #: 1881
Search speed: 1 Tilting option: S No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	60	111842	7992	NBS62K	47	49	2	0	92	15	30			12
2.	60	1120214	8078	NBS62K	49	48	2	0	94	11	30			12
3.	52	1002171	8139	NBS62K	44	48	2	0	80	19	20			12
4.	20*	34375898	7885	NBS62K	27	53	2	0	73	55	5			14
5.	11*	691372	1189	NBS62K	24	61	3	0	81	61	2			12



Unknown #.4
Area = 89670.00 Tentative Concentration (ppb) is 9.00

1. Undecane	156 C11H24
2. Decane, 2,9-dimethyl-	170 C12H26
3. Nonane	128 C9H20
4. Nonane, 3,7-dimethyl-	156 C11H24
5. Heptane, 2,3,6-trimethyl-	142 C10H22

Sample file: >B3275 Spectrum #: 2156
Search speed: 1 Tilting option: S No. of ion ranges searched: 48

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	58	1120214	8078	NBS62K	61	36	2	0	90	19	25	21		
2.	39	1002171	8139	NBS62K	50	42	2	0	86	28	14	16		
3.	25	111842	7992	NBS62K	52	44	2	0	90	50	7	14		
4.	24	17302328	8072	NBS62K	38	49	2	0	66	42	8	12		
5.	24	4032933	4833	NBS62K	35	47	2	0	100	44	8	12		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 45

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-02

Sample wt/vol: 5.0 [g/mL] G

Lab File ID: >B3276

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N) N

Date Analyzed: 03/16/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

74-87-3-----	Chloromethane	10	IU	
74-83-9-----	Bromomethane	10	IU	
75-01-4-----	Vinyl Chloride	10	IU	
75-00-3-----	Chloroethane	10	IU	
75-09-2-----	Methylene Chloride	1	JB	
67-64-1-----	Acetone	10	IU	
75-15-0-----	Carbon Disulfide	10	IU	
75-35-4-----	1,1-Dichloroethene	10	IU	
75-34-3-----	1,1-Dichloroethane	10	IU	
540-59-0-----	1,2-Dichloroethene (total)	10	IU	
67-66-3-----	Chloroform	10	IU	
107-06-2-----	1,2-Dichloroethane	10	IU	
78-93-3-----	2-Butanone	10	IU	
71-55-6-----	1,1,1-Trichloroethane	10	IU	
56-23-5-----	Carbon Tetrachloride	10	IU	
75-27-4-----	Bromodichloromethane	10	IU	
78-87-5-----	1,2-Dichloropropane	10	IU	
10061-01-5-----	cis-1,3-Dichloropropene	10	IU	
79-01-6-----	Trichloroethene	10	IU	
124-48-1-----	Dibromochloromethane	10	IU	
79-00-5-----	1,1,2-Trichloroethane	10	IU	
71-43-2-----	Benzene	10	IU	
10061-02-6-----	trans-1,3-Dichloropropene	10	IU	
75-25-2-----	Bromoform	10	IU	
108-10-1-----	4-Methyl-2-Pentanone	10	IU	
591-78-6-----	2-Hexanone	10	IU	
127-18-4-----	Tetrachloroethene	1	J	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	IU	
108-88-3-----	Toluene	10	IU	
108-90-7-----	Chlorobenzene	10	IU	
100-41-4-----	Ethylbenzene	10	IU	
100-42-5-----	Styrene	10	IU	
1330-20-7-----	Xylene (total)	10	IU	

31

NYSDEC SAMPLE NO.

SP1 45

Contract:

SDG No.: 316601

Lab Sample ID: "T403166-02

Lab File ID: >B3276

Date Received: 03/14/94

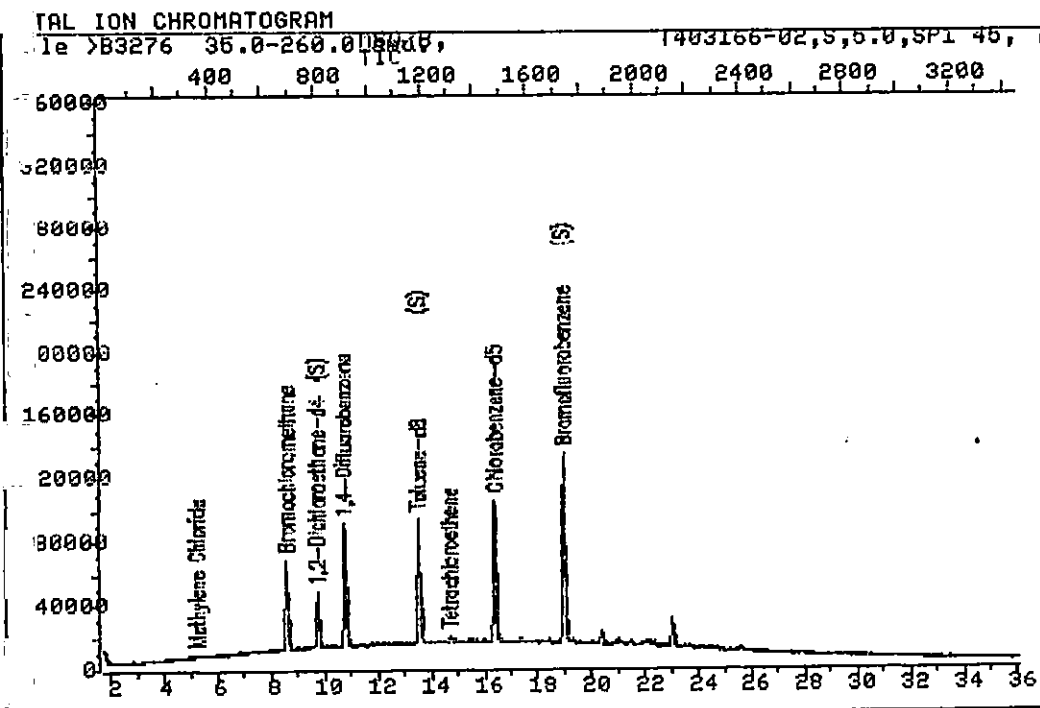
Date Analyzed: 03/16/94

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Number TICs found: 1

[illegible]



Data File: >B3276::B1

Quant Output File: ^B3276::QT

Name: MSD/B,

Instrument ID: 8

Misc: T403166-02,S,5.0,SP1 45,

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940316 13:20

Operator ID: EILEEN

Quant Time : 940316 17:55

Injected at: 940316 17:17

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3276::QT
 File: >B3276::B1
 : MSD/B,
 Sc: T403166-02,S,5.0,SP1 45,

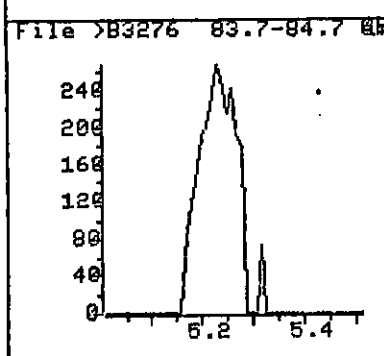
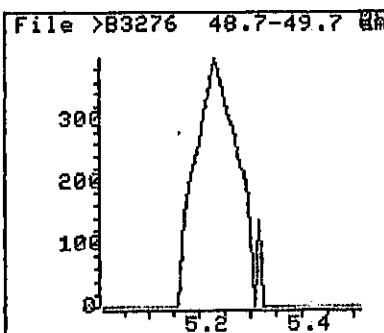
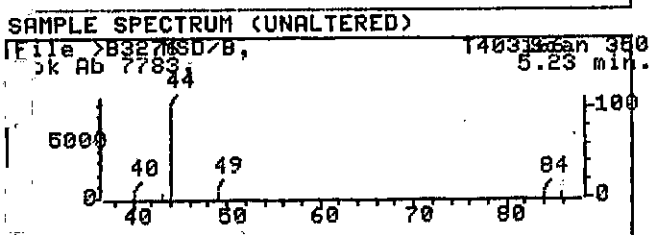
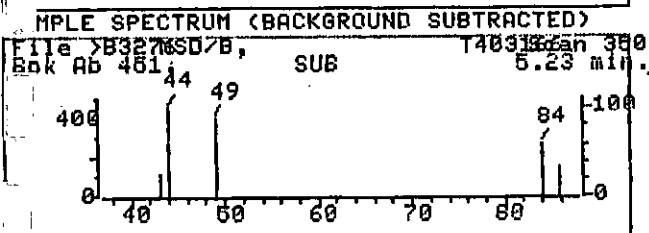
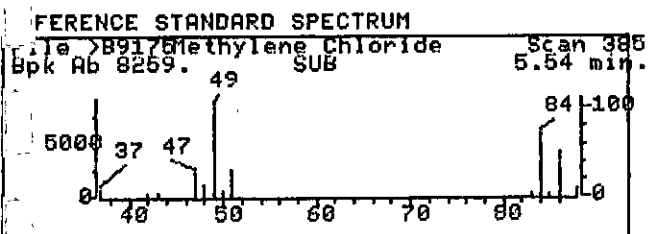
Quant Rev: 7 Quant Time: 940316 17:55
 Injected at: 940316 17:17
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2
 File: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
 Calibration: 940126 15:13 Last Qcal Time: 940316 13:20

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	8.56	127.9	46739	50.00	UG/L	77
	Methylene Chloride	5.23	84.0	1424M	1.03	UG/L	86
1)	1,2-Dichloroethane-d4 (S)	9.71	65.0	69201	54.77	UG/L	88
16)	*1,4-Difluorobenzene	10.72	114.0	179119	50.00	UG/L	98
29)	*Chlorobenzene-d5	16.39	117.0	154474	50.00	UG/L	97
3)	Toluene-d8 (S)	13.50	98.0	165878	50.65	UG/L	99
3)	Tetrachloroethene	14.68	164.0	2373	1.26	UG/L	93
38)	Bromofluorobenzene (S)	18.95	95.0	147737	47.31	UG/L	99

* Compound is ISTD

2 Hits
 RP
 03-17-94

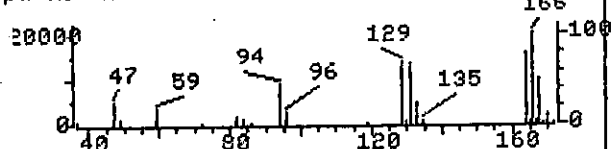


Data File: >B3276::B1
Name: MSD/B,
Misc: T403166-02,S,5.0,SP1 45,
Quant Time: 940316 17:55
Injected at: 940316 17:17
Last Qcal Time: 940316 13:20

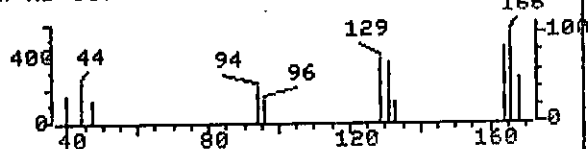
Quant Output File: ^B3276::QT
Instrument ID: B
Quant ID File: IDB90S::C2
Last Calibration: 940126 15:13

Compound No : 9
Compound Name : Methylene Chloride
Scan Number : 350
Retention Time: 5.23 min.
Quant Ion : 84.0
Area : 1424M
Concentration : 1.03 UG/L
q-value : 86

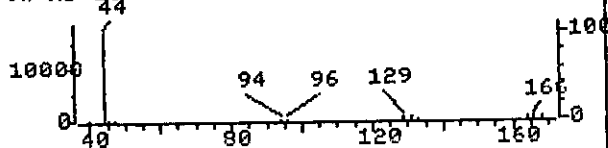
REFERENCE STANDARD SPECTRUM
 File >B9176 tetrachloroethene Scan 1335
 Bpk Ab 20296. SUB 14.68 min.



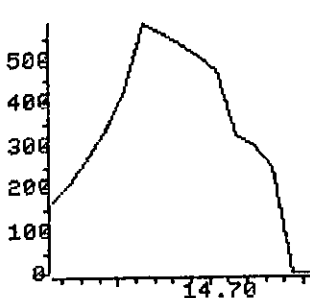
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)
 File >B3276 MSD/B, T403166 1300
 Bpk Ab 537. SUB 14.68 min.



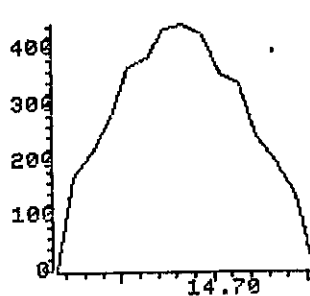
SAMPLE SPECTRUM (UNALTERED)
 File >B3276 MSD/B, T403166 1300
 Bpk Ab 16824. SUB 14.68 min.



File >B3276 165.7-166.09



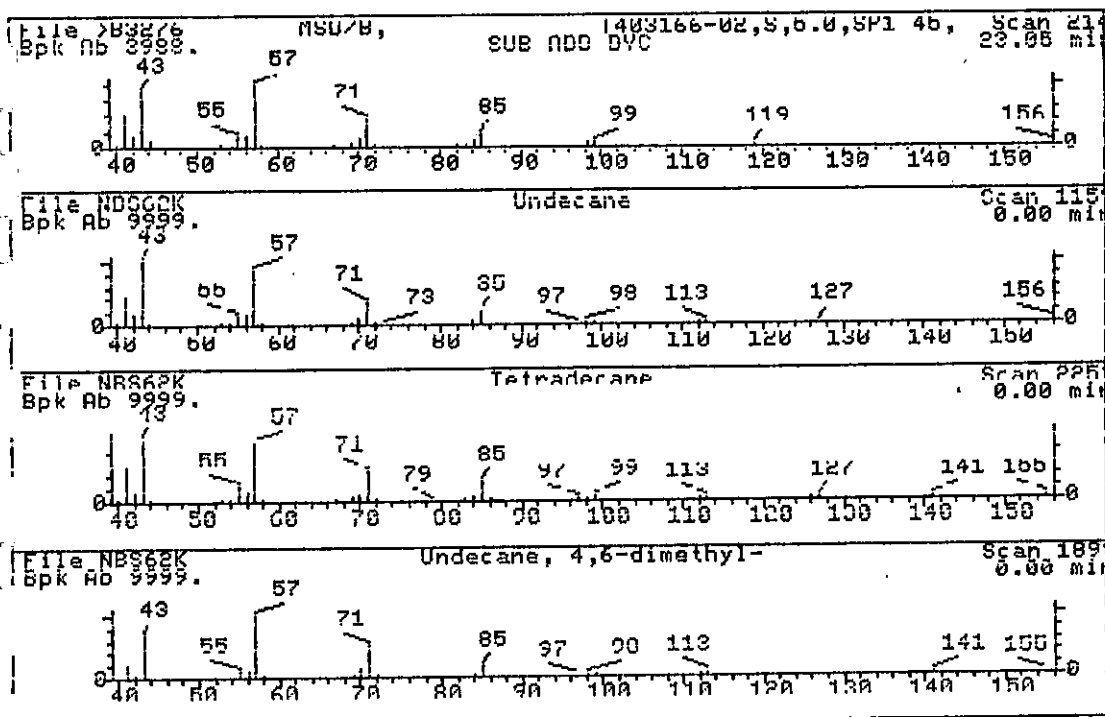
File >B3276 163.7-164.09



Data File: >B3276::B1
 Name: MSD/B,
 Misc: T403166-02,S,5.0,SP1 45,
 Quant Time: 940316 17:55
 Injected at: 940316 17:17
 Last Qcal Time: 940316 13:20

Quant Output File: ^B3276::QT
 Instrument ID: B
 Quant ID File: IDB90S::C2
 Last Calibration: 940126 15:13

Compound No : 32
 Compound Name : Tetrachloroethene
 Scan Number : 1300
 Retention Time: 14.68 min.
 Quant Ion : 164.0
 Area : 2373
 Concentration : 1.26 UG/L
 q-value : 93



Unknown #.2
Area = 119927.0 Tentative Concentration (ppb) is 13.00

1. Undecane	156 C11H24
2. Tetradeane	198 C14H30
3. Undecane, 4,6-dimethyl-	184 C13H28
4. Isooctane, (ethenyloxy)-	156 C10H20O
5. Decane, 2,9-dimethyl-	170 C12H26

Sample file: >B3276 Spectrum #: 2143
Search speed: 1 Tilting option: S No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	88*	1120214	8078	NBS62K	73	24	2	0	89	1	65	57		
2.	78	629594	8219	NBS62K	68	43	2	2	80	5	55	13		
3.	70	17312822	5269	NBS62K	59	39	2	0	85	8	42	19		
4.	60*	37769623	5229	NBS62K	42	61	2	0	83	15	30	15		
5.	60	1002171	8139	NBS62K	50	42	2	0	85	15	30	16		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB-14

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] WATER

Lab Sample ID: T403166-03

Sample wt/vol: 5.0

[g/mL] ML

Lab File ID: >C3377

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture:

decanted: (Y/N) N

Date Analyzed : 03/23/94

GC Column : CAP

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

[ug/L or ug/Kg] UG/L

Q

74-87-3-----	Chloromethane	10	IU	
74-83-9-----	Bromomethane	10	IU	
75-01-4-----	Vinyl Chloride	10	IU	
75-00-3-----	Chloroethane	10	IU	
75-09-2-----	Methylene Chloride	10	IU	
67-64-1-----	Acetone	10	IU	
75-15-0-----	Carbon Disulfide	10	IU	
75-35-4-----	1,1-Dichloroethene	10	IU	
75-34-3-----	1,1-Dichloroethane	10	IU	
540-59-0-----	1,2-Dichloroethene (total)	10	IU	
67-66-3-----	Chloroform	10	IU	
107-06-2-----	1,2-Dichloroethane	10	IU	
78-93-3-----	2-Butanone	10	IU	
71-55-6-----	1,1,1-Trichloroethane	10	IU	
56-23-5-----	Carbon Tetrachloride	10	IU	
75-27-4-----	Bromodichloromethane	10	IU	
78-87-5-----	1,2-Dichloropropane	10	IU	
10061-01-5-----	cis-1,3-Dichloropropene	10	IU	
79-01-6-----	Trichloroethene	10	IU	
124-48-1-----	Dibromochloromethane	10	IU	
79-00-5-----	1,1,2-Trichloroethane	10	IU	
71-43-2-----	Benzene	10	IU	
10061-02-6-----	trans-1,3-Dichloropropene	10	IU	
75-25-2-----	Bromoform	10	IU	
108-10-1-----	4-Methyl-2-Pentanone	10	IU	
591-78-6-----	Hexanone	10	IU	
127-18-4-----	Tetrachloroethene	10	IU	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	IU	
108-88-3-----	Toluene	10	IU	
108-90-7-----	Chlorobenzene	10	IU	
100-41-4-----	Ethylbenzene	10	IU	
100-42-5-----	Styrene	10	IU	
1330-20-7-----	Xylene (total)	10	IU	

38

NYSDEC SAMPLE NO.

FB-14

Contract:

SDG No.: 316601

Lab Sample ID: T403166-03

Lab File ID: >C3377

Date Received: 03/14/94

Date Analyzed: 03/23/94

Dilution Factor: 1.0

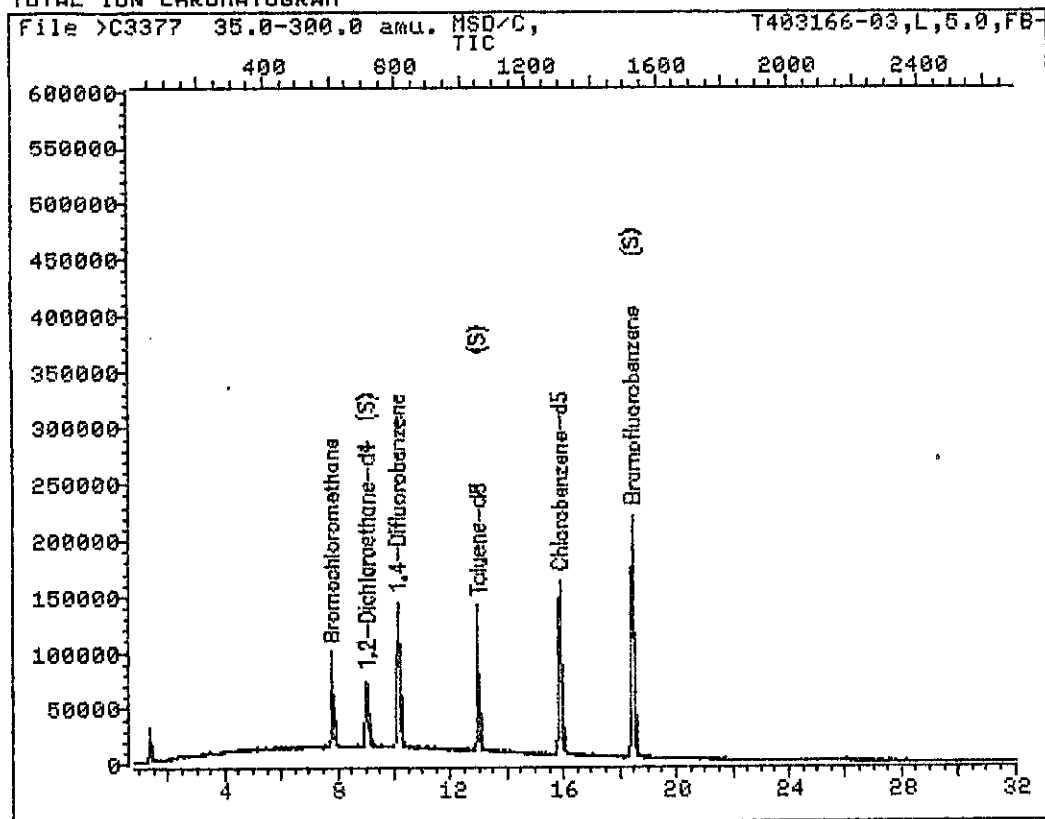
Soil Aliquot Volume: (uL)

Number TICs found: 0

(ug/L or ug/Kg) UG/ L

[illegible]

TOTAL ION CHROMATOGRAM



Data File: >C3377::C4
Name: MSD/C,
Misc: T403166-03,L,5.0,FB-14,

Quant Output File: ^C3377::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940307 14:32 Last Qcal Time: 940323 08:51

Operator ID: ANDY
Quant Time : 940323 13:05
Injected at: 940323 12:30

QUANT REPORT

Page 1

Operator ID: ANDY
Output File: ^C3377::QT
Data File: >C3377::C4
Name: MSD/C,
Misc: T403166-03,L,5.0,FB-14,

Quant Rev: 7 Quant Time: 940323 13:05
 Injected at: 940323 12:30
Dilution Factor: 1.00000
Instrument ID: C

D File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940323 08:51

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.79	127.9	80968	50.00	UG/L	97
15) 1,2-Dichloroethane-d4 (S)	9.02	65.0	164595	50.48	UG/L	95
16) *1,4-Difluorobenzene	10.11	114.0	322856	50.00	UG/L	96
28) *Chlorobenzene-d5	15.86	117.0	274868	50.00	UG/L	96
30) Toluene-d8 (S)	12.95	98.0	290730	49.46	UG/L	94
38) Bromofluorobenzene (S)	18.44	95.0	253658	45.78	UG/L	92

* Compound is ISTD

0 H¹H

Anin 3/24/94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

P-1

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403167-01

Sample wt/vol: 4.0 [g/mL] G

Lab File ID: >C3337

Level: [low/med] MED

Date Received: 03/14/94

% Moisture: 4.0 decanted (Y/N) N

Date Analyzed: 03/21/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 20.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 5.0(uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

74-87-3-----	Chloromethane	26000	IU
74-83-9-----	Bromomethane	26000	IU
75-01-4-----	Vinyl Chloride	26000	IU
75-00-3-----	Chloroethane	26000	IU
75-09-2-----	Methylene Chloride	26000	IU
67-64-1-----	Acetone	26000	IU
75-15-0-----	Carbon Disulfide	26000	IU
75-35-4-----	1,1-Dichloroethene	26000	IU
75-34-3-----	1,1-Dichloroethane	26000	IU
540-59-0-----	1,2-Dichloroethene (total)	26000	IU
67-66-3-----	Chloroform	26000	IU
107-06-2-----	1,2-Dichloroethane	26000	IU
78-93-3-----	2-Butanone	26000	IU
71-55-6-----	1,1,1-Trichloroethane	26000	IU
56-23-5-----	Carbon Tetrachloride	26000	IU
75-27-4-----	Bromodichloromethane	26000	IU
78-87-5-----	1,2-Dichloropropane	26000	IU
10061-01-5-----	cis-1,3-Dichloropropene	26000	IU
79-01-6-----	Trichloroethene	26000	IU
124-48-1-----	Dibromochloromethane	26000	IU
79-00-5-----	1,1,2-Trichloroethane	26000	IU
71-43-2-----	Benzene	26000	IU
10061-02-6-----	trans-1,3-Dichloropropene	26000	IU
75-25-2-----	Bromoform	26000	IU
108-10-1-----	4-Methyl-2-Pentanone	26000	IU
591-78-6-----	2-Hexanone	26000	IU
127-18-4-----	Tetrachloroethene	550000	I
79-34-5-----	1,1,2,2-Tetrachloroethane	26000	IU
108-88-3-----	Toluene	26000	IU
108-90-7-----	Chlorobenzene	26000	IU
100-41-4-----	Ethylbenzene	26000	IU
100-42-5-----	Styrene	26000	IU
1330-20-7-----	Xylene (total)	26000	IU

NYSDEC SAMPLE NO.

Contract :

P-1

SDG No.: 316601

Lab Sample ID: T403167-01

Lab File ID: >C3337.

Date Received: 03/14/94

Date Analyzed: 03/21/94

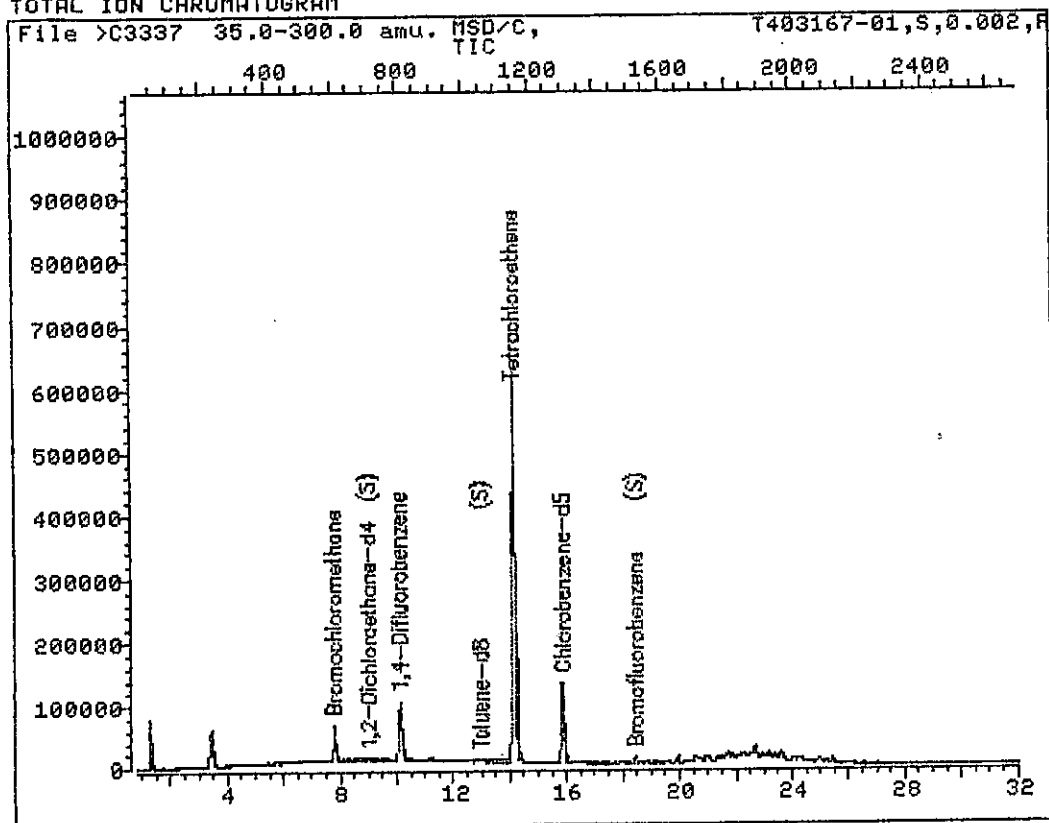
Dilution Factor: 20.0

Soil Aliquot Volume: 5 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

FORM I-CLP-VOA-TIC

TOTAL ION CHROMATOGRAM



Data File: >C3337::C4
Name: MSD/C,
Misc: T403167-01,S,0.002,P-1,

Quant Output File: ^C3337::QT
Instrument ID: C

Id File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

Operator ID: ANDY

Quant Time : 940321 13:53

Injected at: 940321 13:20

QUANT REPORT

Page 1

Operator ID: ANDY
Output File: ^C3337::QT
Data File: >C3337::C4
Name: MSD/C,
isc: T403167-01,S,0.002,P-1,

Quant Rev: 7 Quant Time: 940321 13:53
 Injected at: 940321 13:20
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

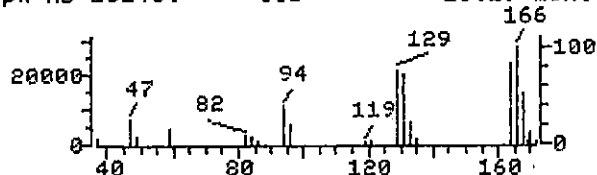
Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.77	127.9	54207	50.00	UG/L	98
15) 1,2-Dichloroethane-d4 (S)	8.99	65.0	3807M	1.81	UG/L	
16) *1,4-Difluorobenzene	10.08	114.0	244833	50.00	UG/L	95
28) *Chlorobenzene-d5	15.86	117.0	227003	50.00	UG/L	99
30) Toluene-d8 (S)	12.95	98.0	5517	1.14	UG/L	93
32) Tetrachloroethene	14.13	164.0	503438	210.38	UG/L	95
38) Bromofluorobenzene (S)	18.45	95.0	13243	2.89	UG/L	87

* Compound is ISTD

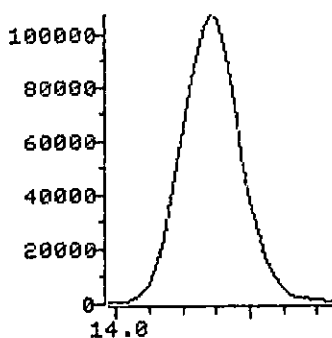
1 Hit
JP
3-22-94

REFERENCE STANDARD SPECTRUM

File >C8655 Tetrachloroethen Scan 1238
Bpk Ab 28248. SUB 13.29 min.

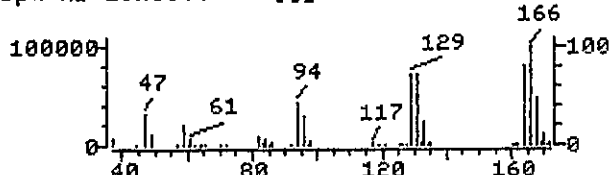


File >C3337 165.7-166.7

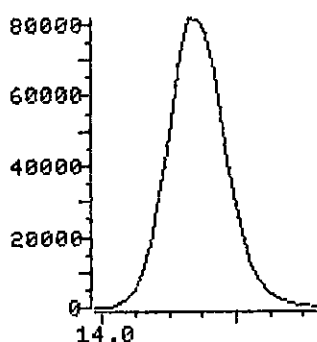


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

File >C3337 MSD/C, Scan 1148
Bpk Ab 101000. SUB 14.13 min.

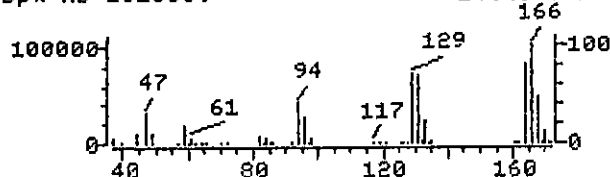


File >C3337 163.7-164.7



SAMPLE SPECTRUM (UNALTERED)

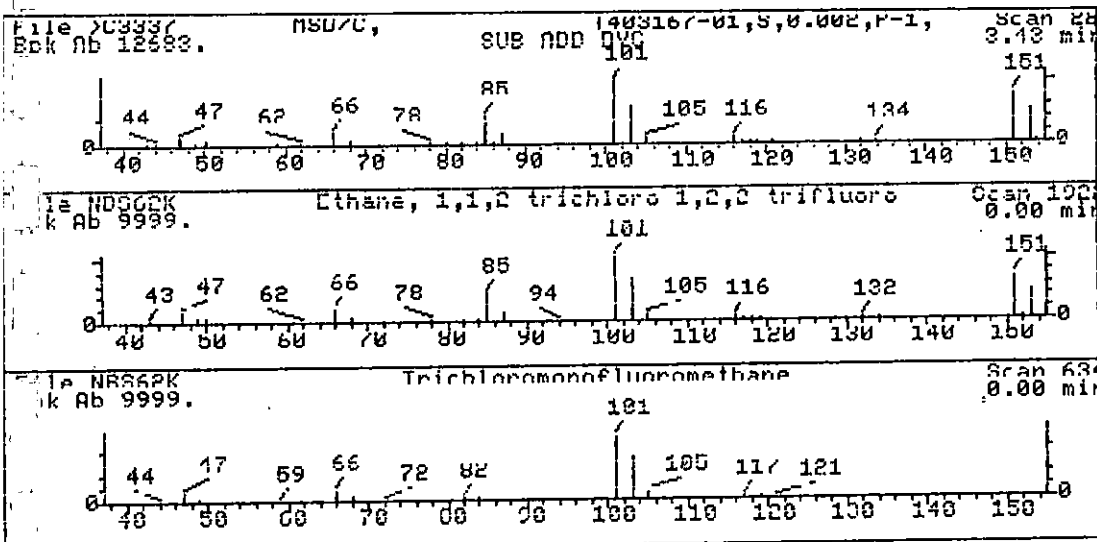
File >C3337 MSD/C, Scan 1148
Bpk Ab 101000. SUB 14.13 min.



Data File: >C3337::C4
Name: MSD/C,
Misc: T403167-01,S,0.002,P-1,
Quant Time: 940321 13:53
Injected at: 940321 13:20
Last Qcal Time: 940321 10:16

Quant Output File: ^C3337::QT
Instrument ID: C
Quant ID File: IDC90L::C2
Last Calibration: 940307 14:32

Compound No : 32
Compound Name : Tetrachloroethene
Scan Number : 1148
Retention Time: 14.13 min.
Quant Ion : 164.0
Area : 503438
Concentration : 210.38 UG/L
q-value : 95



Unknown #,3

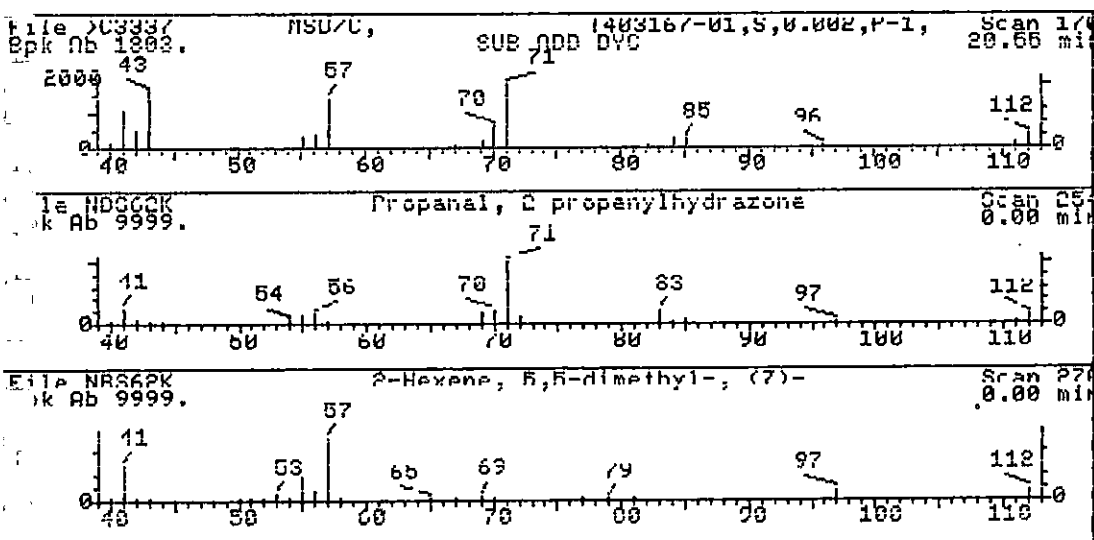
Area = 582939.0 Tentative Concentration (ppb) is 75.00

1. Ethane, 1,1,2-trichloro-1,2,2-trifluoro-
2. Trichloromonofluoromethane

186 C2C13F3
136 CC13F

Sample file: >C3337 Spectrum #: 226
Search speed: 1 Tilting option: S No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	58	76131	12689	NBS62K	84	54	2	0	75	19	25	23		
2.	20	75694	12575	NBS62K	57	47	2	0	86	53	5	13		



Unknown #,6

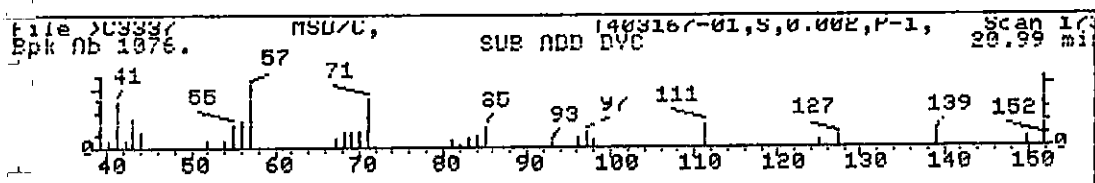
Area = 163321.0 Tentative Concentration (ppb) is 10.00

1. Propanal, 2-propenylhydrazone
2. 2-Hexene, 5,5-dimethyl-, (Z)-

112 C6H12N2
 112 C8H16

Sample file: >C3337 Spectrum #: 1701
 Search speed: 1 Tilting option: S No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	I	V
1.	27*	19031788	5133	NBS62K	28	71	3	0	100	39	10	13			
2.	15*	39761610	14776	NBS62K	24	65	3	0	80	56	3	12			

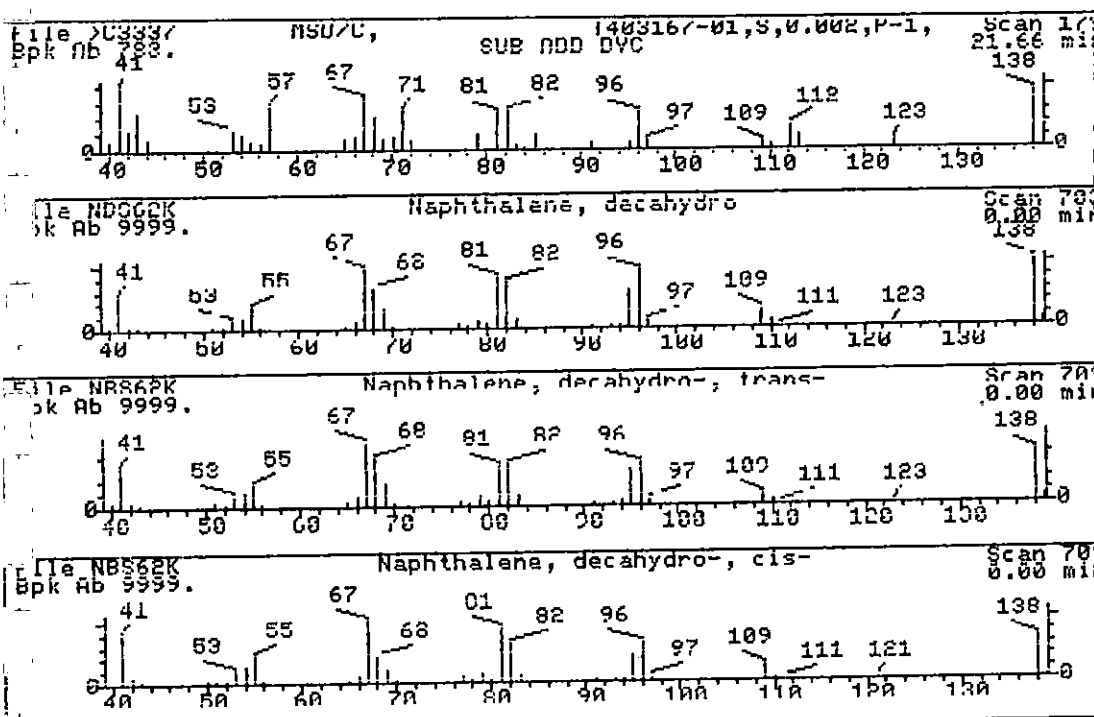


Unknown #,7

Area = 106889.0 Tentative Concentration (ppb) is 7.00

Sample file: >C3337 Spectrum #: 1739

No data base entries were retrieved.

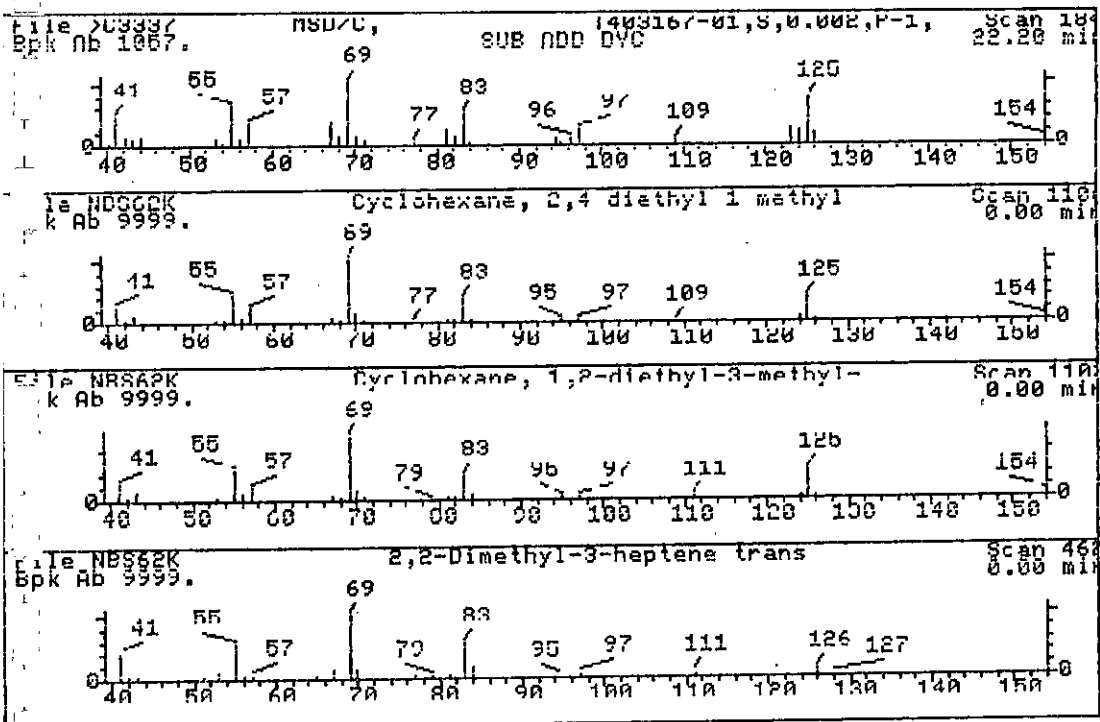


Unknown #,9
Area = 83176.00 Tentative Concentration (ppb) is 5.00

1. Naphthalene, decahydro-	138 C10H18
2. Naphthalene, decahydro-, trans-	138 C10H18
3. Naphthalene, decahydro-, cis-	138 C10H18
4. Spiro[4.4]nonan-2-one	138 C9H14O
5. Bicyclo[4.2.1]nonan-9-one	138 C9H14O

Sample file: >C3337 Spectrum #: 1796
Search speed: 1 Tilting option: S No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	53*	91178	21337	NBS62K	65	62	3	0	64	28	24	33		
2.	33*	493027	21350	NBS62K	48	74	2	0	69	37	10	19		
3.	31*	493016	21349	NBS62K	49	78	2	0	68	42	12	22		
4.	27*	34177189	21317	NBS62K	36	95	3	0	81	36	10	13		
5.	25*	14252110	21310	NBS62K	40	66	3	0	75	43	8	13		

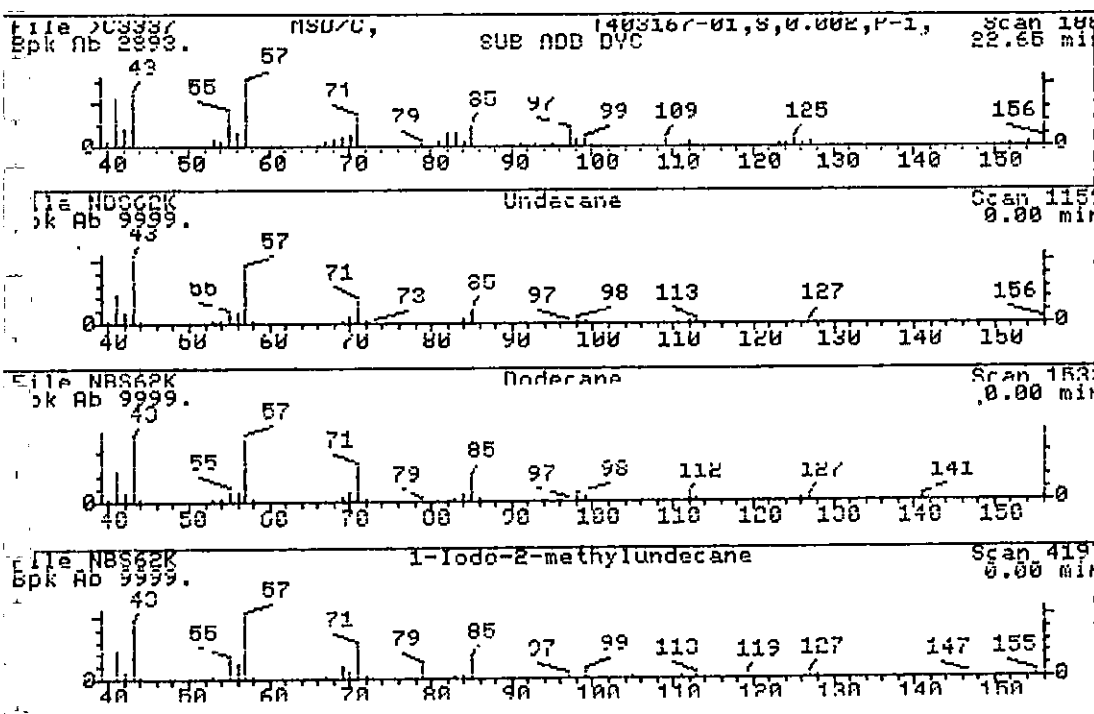


Unknown #,10
Area = 81488.00 Tentative Concentration (ppb) is 5.00

1. Cyclohexane, 2,4-diethyl-1-methyl-	154 C11H22
2. Cyclohexane, 1,2-diethyl-3-methyl-	154 C11H22
3. 2,2-Dimethyl-3-heptene trans	126 C9H18
4. Bicyclo[2.2.2]octan-1-amine	125 C8H15N
5. Borinic acid, diethyl-, anhydride	154 C8H20B2O

Sample file: >C3337 Spectrum #: 1843
Search speed: 1 Tilting option: S No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	56*	61142709	17880	NBS62K	52	42	1	0	100	30	24	36		
2.	37*	61141808	17876	NBS62K	36	62	2	0	84	29	14	14		
3.	25*	19550755	18214	NBS62K	42	53	2	0	80	47	7	19		
4.	20*	1193426	17809	NBS62K	34	73	3	0	100	54	5	13		
5.	15*	7318845	17860	NBS62K	32	63	3	0	72	57	3	13		



Unknown #,11

Area = 199807.0 Tentative Concentration (ppb) is 13.00

1. Undecane	156 C11H24
2. Dodecane	170 C12H26
3. 1-Iodo-2-methylundecane	296 C12H25I
4. Tricosane	324 C23H48
5. 1,2'-Dinaphthylmethane	268 C21H16

Sample file: >C3337

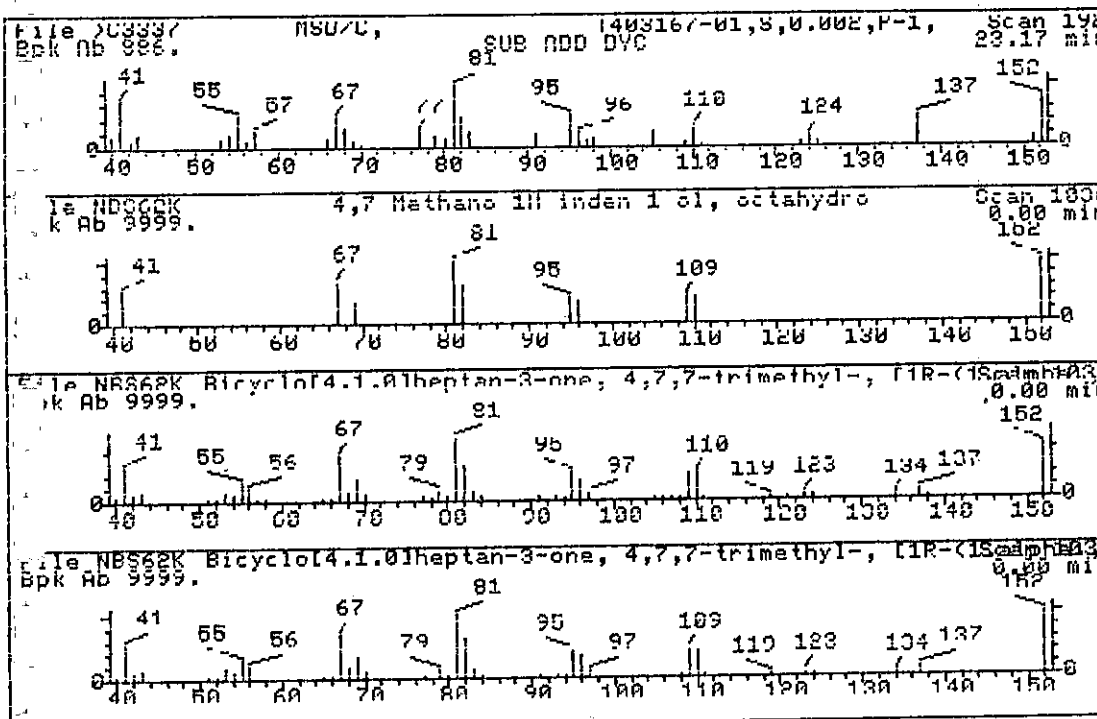
Spectrum #: 1881

Search speed: 1

Tilting option: S

No. of ion ranges searched: 54

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IU
1.	38*	1120214	8078	NBS62K	49	48	2	0	116	40	14	25		
2.	31	112403	8132	NBS62K	60	41	2	0	78	38	10	17		
3.	30	73105676	12154	NBS62K	62	72	2	0	78	34	12	13		
4.	30	638675	8316	NBS62K	62	74	2	0	74	34	12	13		
5.	28	37460	12134	NBS62K	64	62	2	0	77	36	10	14		



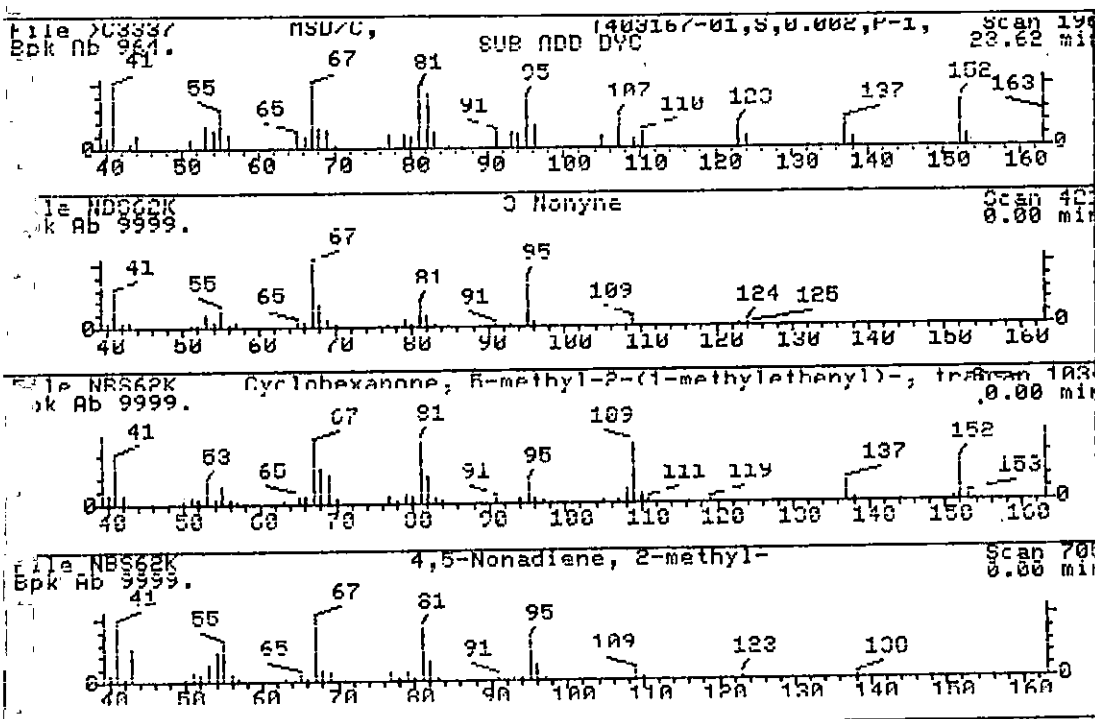
Unknown #,12

Area = 193193.0 Tentative Concentration (ppb) is 12.00

1. 4,7-Methano-1H-inden-1-ol, octahydro- 152 C10H16O
2. Bicyclo[4.1.0]heptan-3-one, 4,7,7-trimethyl-, [1R-(1 152 C10H16O
.alpha.,4.alpha.,6.alpha.)]-
3. Bicyclo[4.1.0]heptan-3-one, 4,7,7-trimethyl-, [1R-(1 152 C10H16O
.alpha.,4.beta.,6.alpha.)]-
4. Methyl ethyl cyclopentene 110 C8H14
5. Cyclohexanone, 5-methyl-2-(1-methylethylidene)- 152 C10H16O

Sample file: >C3337 Spectrum #: 1926
Search speed: 1 Tilting option: S No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	62*	55255975	24572	NBS62K	55	32	2	0	67	27	25	41		
2.	51*	4176049	24575	NBS62K	58	69	2	0	64	33	20	35		
3.	44*	4176016	24567	NBS62K	52	77	2	0	66	33	16	27		
4.	26*	19780564	6894	NBS62K	61	40	1	0	75	59	7	57		
5.	25*	15932806	24564	NBS62K	45	74	3	0	95	47	7	13		



Unknown #,13

Area = 113753.0 Tentative Concentration (ppb) is 7.00

1. 3-Nonyne 124 C9H16
2. Cyclohexanone, 5-methyl-2-(1-methylethenyl)-, trans- 152 C10H16O
3. 4,5-Nonadiene, 2-methyl- 138 C10H18
4. 1,1'-Bicyclopropyl, 2,2,2',2'-tetramethyl- 138 C10H18
5. Bicyclo[4.1.0]heptan-3-one, 4,7,7-trimethyl-, [1R-(1.alpha.,4.alpha.,6.alpha.)]- 152 C10H16O

Sample file: >C3337

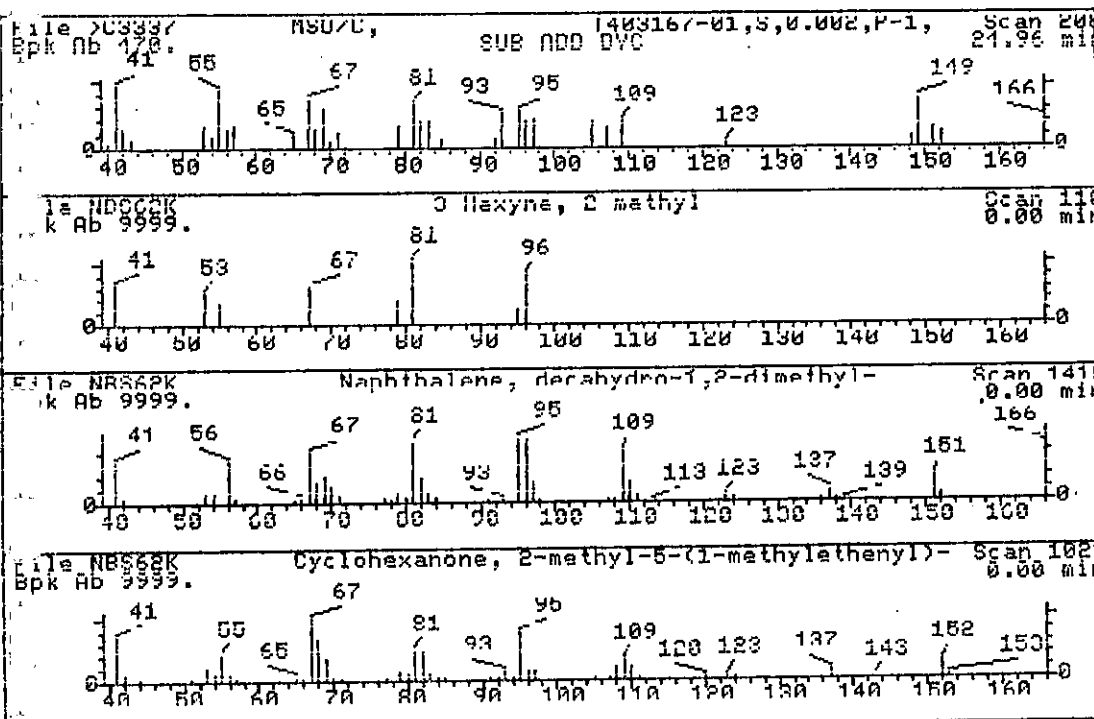
Spectrum #: 1965

Search speed: 1

Tilting option: S

No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	I V
1.	42*	20184898	4185	NBS62K	37	62	0	-2	71	33	16	25		
2.	33*	29606799	24566	NBS62K	66	65	3	-1	76	31	12	16		
3.	30*	55956326	6926	NBS62K	50	68	2	0	96	47	10	23		
4.	27*	68998209	7126	NBS62K	28	82	1	0	74	43	8	15		
5.	25*	4176049	24575	NBS62K	42	85	3	0	84	48	7	13		



Unknown #,14

Area = 82057.00 Tentative Concentration (ppb) is 5.00

1. 3-Hexyne, 2-methyl-	96 C7H12
2. Naphthalene, decahydro-1,2-dimethyl-	166 C12H22
3. Cyclohexanone, 2-methyl-5-(1-methylethenyl)-	152 C10H16O
4. 5,7-Dodecadiene, (E,E)-	166 C12H22
5. 2-Butenal, 2-ethenyl-	96 C6H8O

Sample file: >C3337

Spectrum #: 2080

Search speed: 1

Tilting option: S

No. of ion ranges searched: 48

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	36*	36566800	10884	NBS62K	33	33	0	3	33	38	14	23		
2.	15*	3604146	27708	NBS62K	45	78	3	0	39	60	3	13		
3.	15*	7764503	24546	NBS62K	36	90	3	0	73	56	3	13		
4.	11*	14137	27697	NBS62K	45	76	3	0	54	63	2	13		
5.	11*	20521420	10879	NBS62K	32	74	3	0	96	63	2	13		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

P-1 DL

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403167-01 DL

Sample wt/vol: 4.0 [g/mL] G

Lab File ID: >C3338

Level: [low/med] MED

Date Received: 03/14/94

% Moisture: 4.0 decanted (Y/N) N

Date Analyzed : 03/21/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 40.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 2.5(uL)

CONCENTRATION UNITS:
[ug/L or ug/Kg] UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	52000	IU
74-83-9-----	Bromomethane	52000	IU
75-01-4-----	Vinyl Chloride	52000	IU
75-00-3-----	Chloroethane	52000	IU
75-09-2-----	Methylene Chloride	52000	IU
67-64-1-----	Acetone	52000	IU
75-15-0-----	Carbon Disulfide	52000	IU
75-35-4-----	1,1-Dichloroethene	52000	IU
75-34-3-----	1,1-Dichloroethane	52000	IU
540-59-0-----	1,2-Dichloroethene (total)	52000	IU
67-66-3-----	Chloroform	52000	IU
107-06-2-----	1,2-Dichloroethane	52000	IU
78-93-3-----	2-Butanone	52000	IU
71-55-6-----	1,1,1-Trichloroethane	52000	IU
56-23-5-----	Carbon Tetrachloride	52000	IU
75-27-4-----	Bromodichloromethane	52000	IU
78-87-5-----	1,2-Dichloropropane	52000	IU
10061-01-5-----	cis-1,3-Dichloropropene	52000	IU
79-01-6-----	Trichloroethene	52000	IU
124-48-1-----	Dibromochloromethane	52000	IU
79-00-5-----	1,1,2-Trichloroethane	52000	IU
71-43-2-----	Benzene	52000	IU
10061-02-6-----	trans-1,3-Dichloropropene	52000	IU
75-25-2-----	Bromoform	52000	IU
108-10-1-----	4-Methyl-2-Pentanone	52000	IU
591-78-6-----	2-Hexanone	52000	IU
127-18-4-----	Tetrachloroethene	570000	I
79-34-5-----	1,1,2,2-Tetrachloroethane	52000	IU
108-88-3-----	Toluene	52000	IU
108-90-7-----	Chlorobenzene	52000	IU
100-41-4-----	Ethylbenzene	52000	IU
100-42-5-----	Styrene	52000	IU
1330-20-7-----	Xylene (total)	52000	IU

NYSDEC SAMPLE NO.

P-1 DL

Contract:

SDG No.: 316601

Lab Sample ID: T403167-01 DL

Lab File ID: >C3338

Date Received: 03/14/94

Date Analyzed: 03/21/94

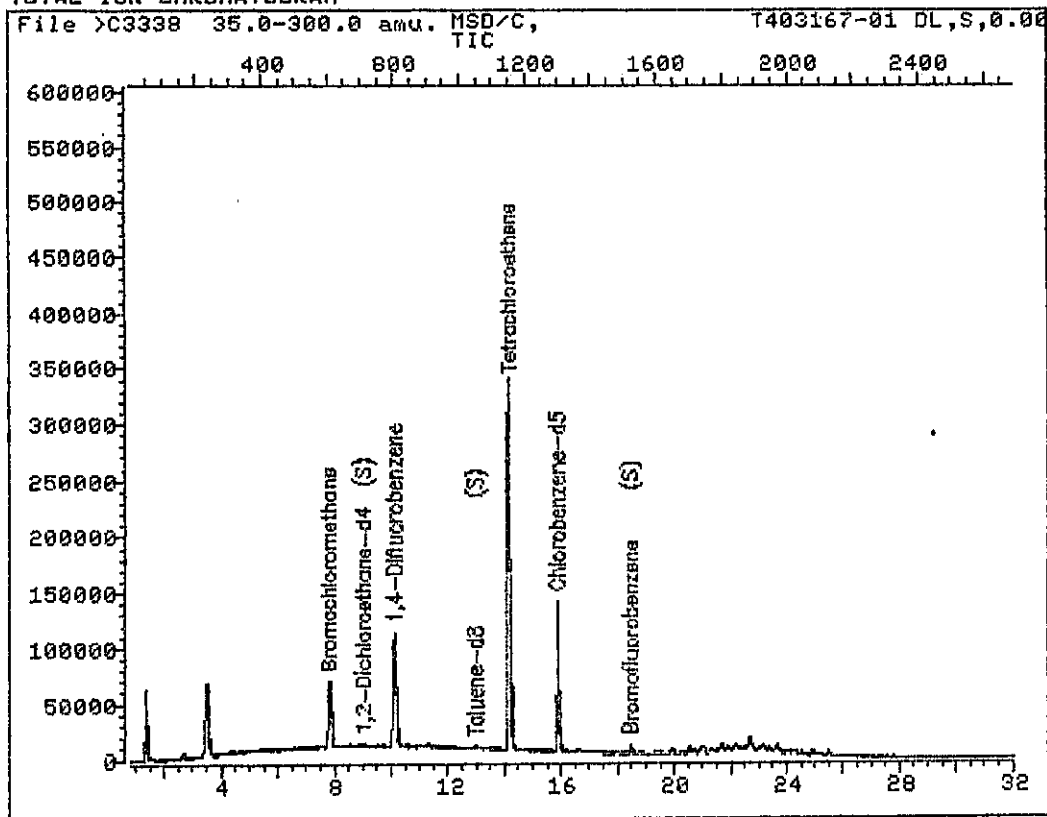
Dilution Factor: 40.0

Soil Aliquot Volume: 2.5 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

FORM I-CLP-VOA-TIC

TOTAL ION CHROMATOGRAM



Data File: >C3338::C4

Quant Output File: ^C3338::QT

Name: MSD/C,

Instrument ID: C

Misc: T403167-01 DL,S,0.001,P-1 DL,

Id File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

Operator ID: ANDY

Quant Time : 940321 15:01

Injected at: 940321 14:28

QUANT REPORT

Page 1

Operator ID: ANDY
Output File: ^C3338::QT
Data File: >C3338::C4
Name: MSD/C,

Quant Rev: 7 Quant Time: 940321 15:01
 Injected at: 940321 14:28
Dilution Factor: 1.00000
Instrument ID: C

Disc: T403167-01 DL,S,0.001,P-1 DL,

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

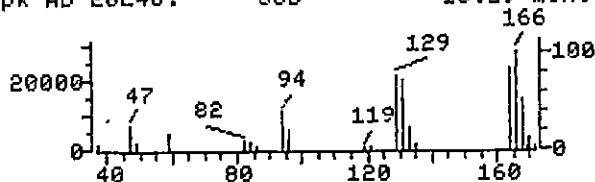
Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.79	127.9	56558	50.00	UG/L	99
15) 1,2-Dichloroethane-d4 (S)	9.00	65.0	3344	1.52	UG/L	83
16) *1,4-Difluorobenzene	10.11	114.0	259403	50.00	UG/L	93
28) *Chlorobenzene-d5	15.85	117.0	235038	50.00	UG/L	98
30) Toluene-d8 (S)	12.95	98.0	4962	.991	UG/L	96
32) Tetrachloroethene	14.14	164.0	273193	110.26	UG/L	99
38) Bromofluorobenzene (S)	18.44	95.0	10374	2.18	UG/L	96

* Compound is ISTD

1 Hit
JP
03-22-94

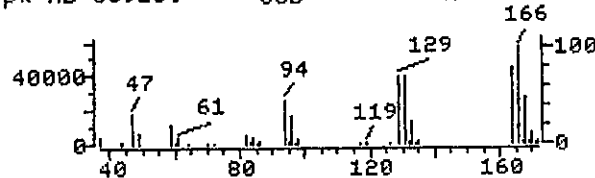
REFERENCE STANDARD SPECTRUM

File >C3655 Tetrachloroethen Scan 1238
Bpk Ab 28248. SUB 13.29 min.



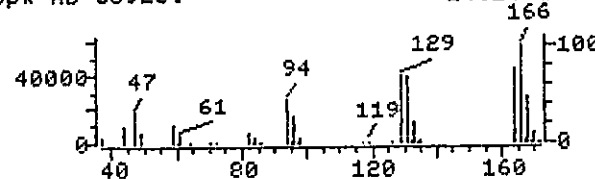
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

File >C3338 MSD/C, Scan 1147
Bpk Ab 56920. SUB 14.14 min.

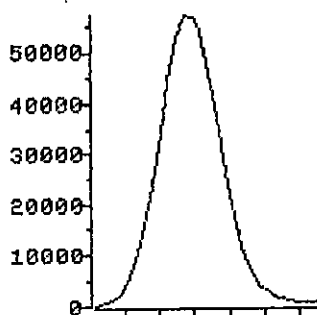


SAMPLE SPECTRUM (UNALTERED)

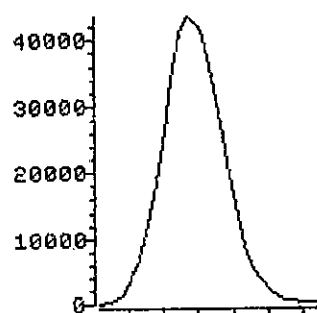
File >C3338 MSD/C, Scan 1147
Bpk Ab 56920. SUB 14.14 min.



File >C3338 165.7-166.7



File >C3338 163.7-164.7



Data File: >C3338::C4

Name: MSD/C,

Misc: T403167-01 DL,S,0.001,P-1 DL,

Quant Time: 940321 15:01

Injected at: 940321 14:28

Last Qcal Time: 940321 10:16

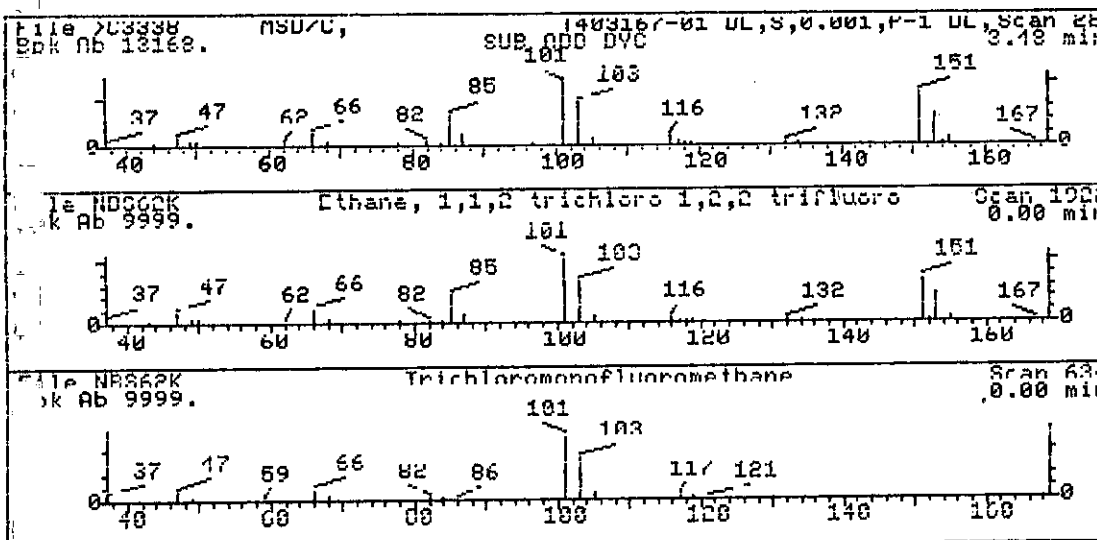
Quant Output File: ^C3338::QT

Instrument ID: C

Quant ID File: IDC90L::C2

Last Calibration: 940307 14:32

Compound No : 32
Compound Name : Tetrachloroethene
Scan Number : 1147
Retention Time: 14.14 min.
Quant Ion : 164.0
Area : 273193
Concentration : 110.26 UG/L
q-value : 99



Unknown #,3

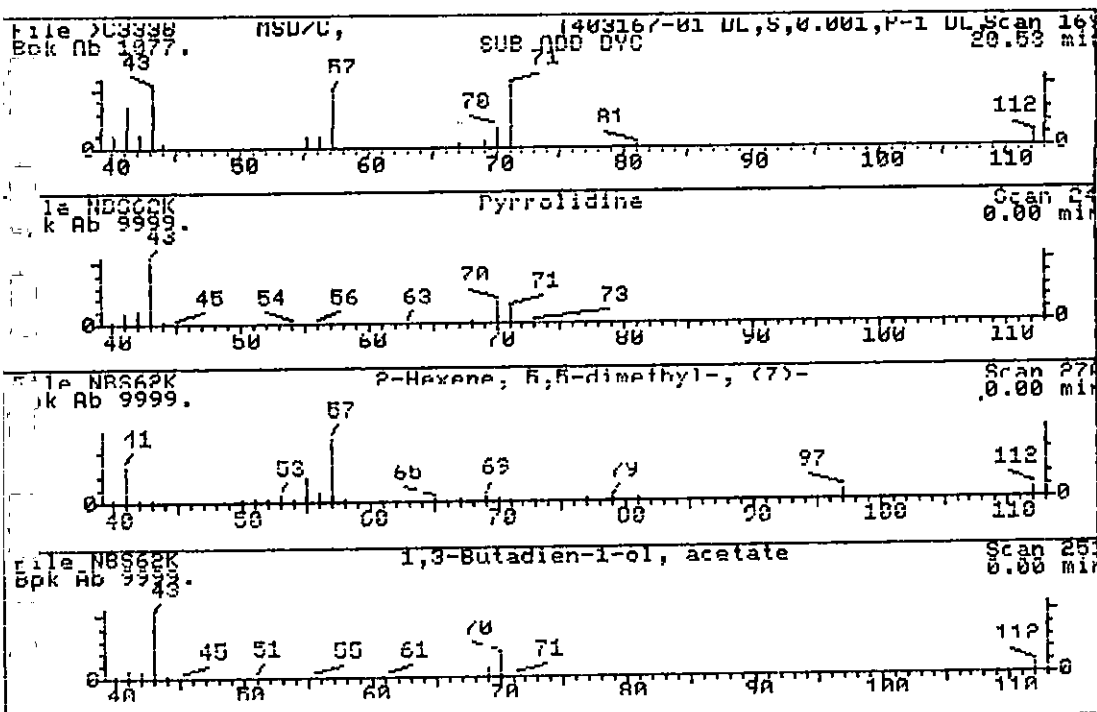
Area = 600632.0 Tentative Concentration (ppb) is 78.00

1. Ethane, 1,1,2-trichloro-1,2,2-trifluoro-
2. Trichloromonofluoromethane

186 C2Cl3F3
 136 CCl3F

Sample file: >C3338 Spectrum #: 229
 Search speed: 1 Tilting option: S No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	89	76131	12689	NBS62K	111	27	1	0	81	0	66	69		
2.	20	75694	12575	NBS62K	59	45	2	0	93	53	5	14		

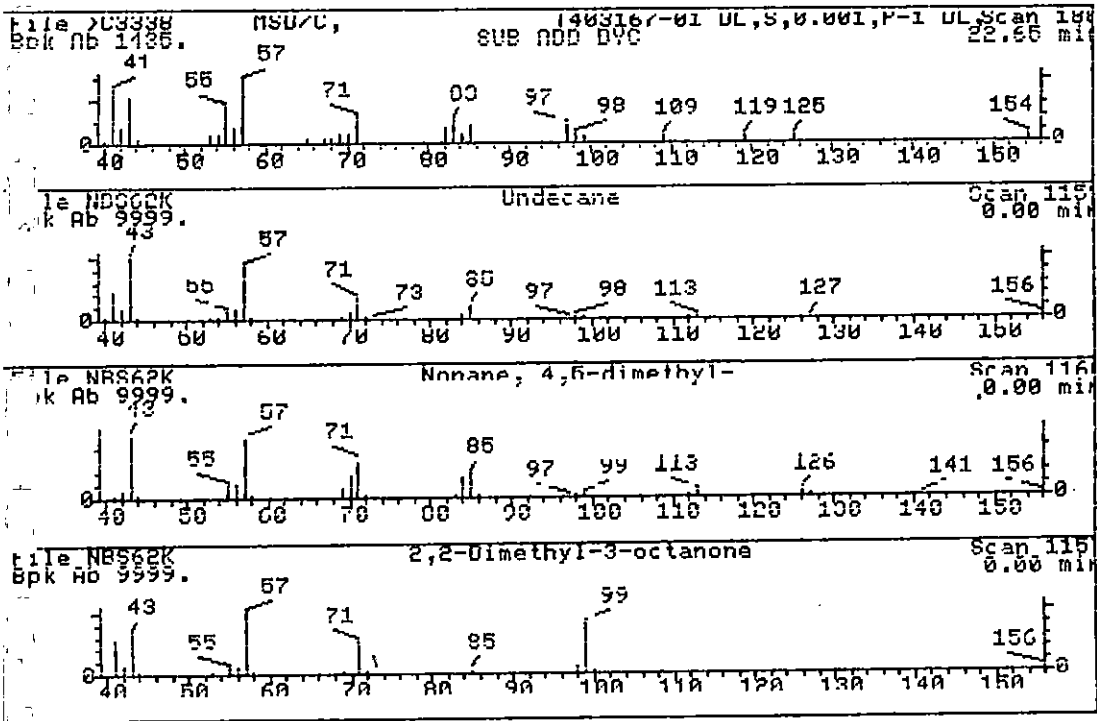


Area = Unknown #,4
87352.00 Tentative Concentration (ppb) is 5.00

1. Pyrrolidine	71 C4H9N
2. 2-Hexene, 5,5-dimethyl-, (Z)-	112 C8H16
3. 1,3-Butadien-1-ol, acetate	112 C6H8O2
4. Propanal, 2-propenylhydrazone	112 C6H12N2

Sample file: >C3338 Spectrum #: 1698
Search speed: 1 Tilting option: S No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	15*	123751	4596	NBS62K	25	61	2	0	90	56	3	14		
2.	11*	39761610	14776	NBS62K	36	53	3	0	85	65	2	14		
3.	11*	1515760	14707	NBS62K	25	55	2	0	88	61	2	14		
4.	11*	19031788	5133	NBS62K	30	69	3	0	100	62	2	13		



Unknown #,6
Area = 95575.00 Tentative Concentration (ppb) is 6.00

1. Undecane	156 C11H24
2. Nonane, 4,5-dimethyl-	156 C11H24
3. 2,2-Dimethyl-3-octanone	156 C10H20O

Sample file: >C3338 Spectrum #: 1880
Search speed: 1 Tilting option: S No. of ion ranges searched: 54

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IU
1.	24*	1120214	8078	NBS62K	56	41	3	0	116	51	7	22		
2.	15*	17302237	8079	NBS62K	37	68	3	0	69	56	3	13		
3.	11*	5340647	11951	NBS62K	27	71	3	0	78	62	2	13		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB-11

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] WATER

Lab Sample ID: T403167-04

Sample wt/vol: 5.0 [g/mL] ML

Lab File ID: >C3380

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: decanted: (Y/N) N

Date Analyzed: 03/23/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/L Q

74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl Chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene Chloride	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-Pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

SADF: 1.00

FORM I-CLP-VOA-1

Total Hit(s): 0

NYSDEC SAMPLE NO.

FB-11

Contract:

SDG No.: 316601

Lab Sample ID: T403167-04

Lab File ID: >C3380

Date Received: 03/14/94

Date Analyzed: 03/23/94

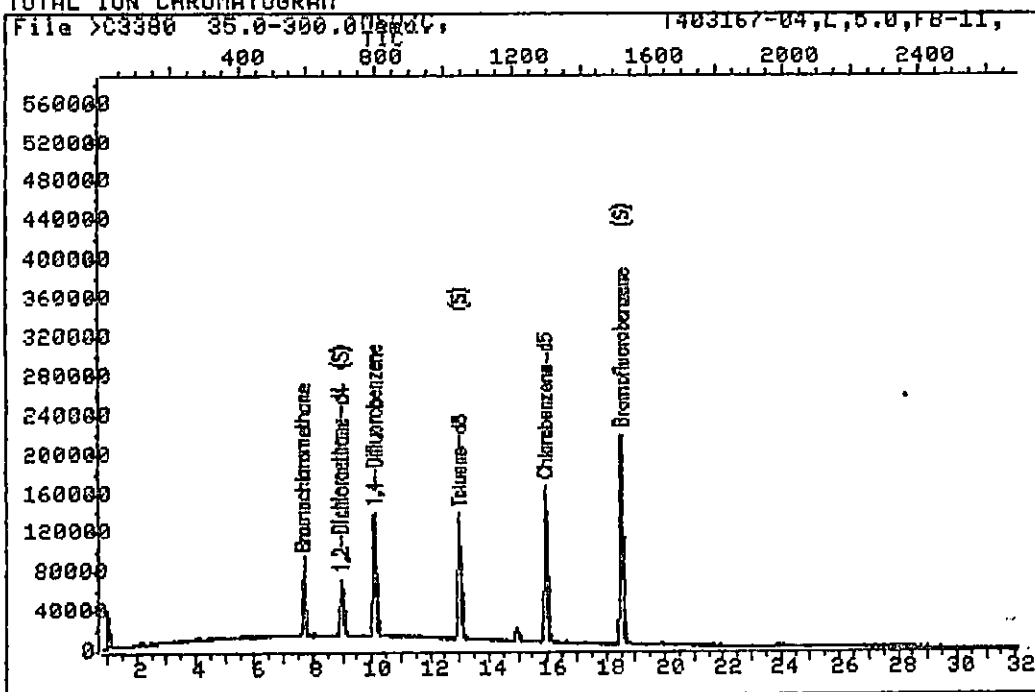
Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Number TICs found: 1

[illegible]

TOTAL ION CHROMATOGRAM



Data File: >C3380::C4
 Name: MSD/C,
 Misc: T403167-04,L,5.0,FB-11,

Quant Output File: ^C3380::QT
 Instrument ID: C

Id File: IDC90L::C2
 Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
 Last Calibration: 940307 14:32 Last Qcal Time: 940323 08:51

Operator ID: ANDY
 Quant Time : 940323 14:59
 Injected at: 940323 14:23

QUANT REPORT

Page 1

Operator ID: ANDY
Output File: ^C3380::QT
Data File: >C3380::C4
Name: MSD/C,
Misc: T403167-04,L,5.0,FB-11,

Quant Rev: 7 Quant Time: 940323 14:59
 Injected at: 940323 14:23
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

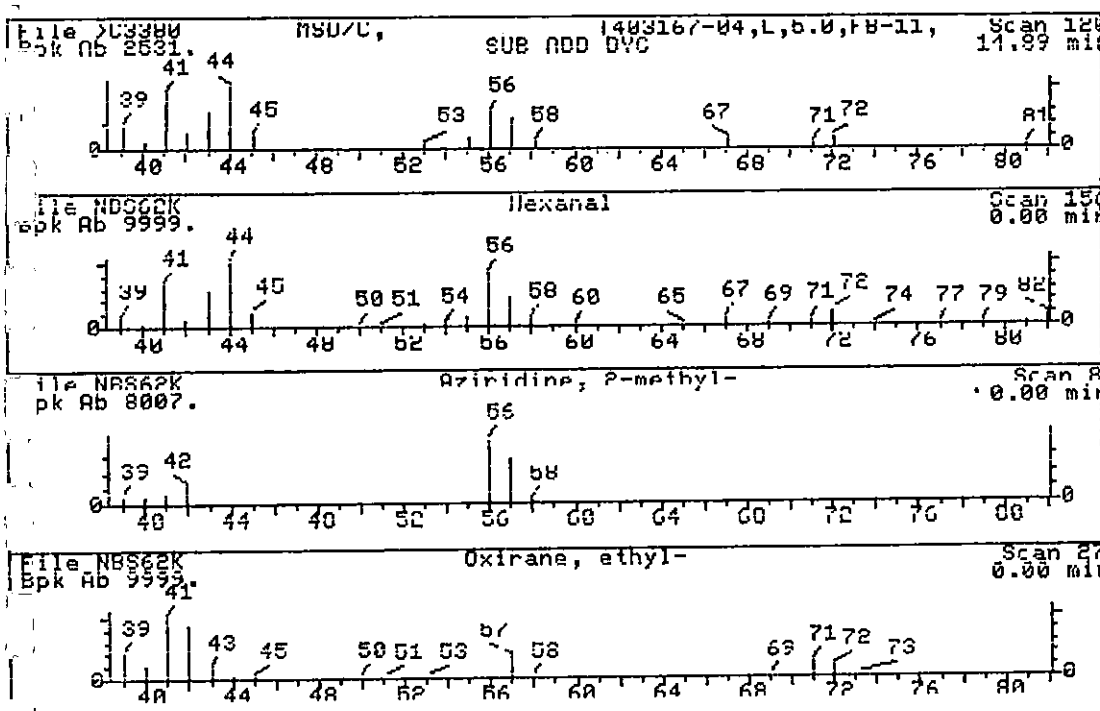
Last Calibration: 940307 14:32

Last Qual Time: 940323 08:51

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.64	127.9	78119	50.00	UG/L	91
15) 1,2-Dichloroethane-d4 (S)	8.92	65.0	159894	50.82	UG/L	96
16) *1,4-Difluorobenzene	10.07	114.0	316333	50.00	UG/L	97
28) *Chlorobenzene-d5	15.89	117.0	263863	50.00	UG/L	96
30) Toluene-d8 (S)	12.96	98.0	282445	50.06	UG/L	97
38) Bromofluorobenzene (S)	18.49	95.0	249607	46.93	UG/L	88

* Compound is ISTD

OH/H
Anjin 3/24/94



Unknown #,2

Area = 157967.0 Tentative Concentration (ppb) is 8.00

1. Hexanal	100 C6H12O
2. Aziridine, 2-methyl-	57 C3H7N
3. Oxirane, ethyl-	72 C4H8O

Sample file: >C3380 Spectrum #: 1209
Search speed: 1 Tilting option: S No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C	I	R	IV
1.	58	66251	5395	NBS62K	64	37	2	0	70	18	25	21		
2.	11*	75558	1170	NBS62K	25	42	0	0	57	63	2	18		
3.	11*	106887	5358	NBS62K	26	77	3	0	88	64	2	13		

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Name: LRI

Code: LRI

Case No.:

SAS No.:

SDG No:

Instrument ID: MSD/B

Calibration Date(s): 03/02/94 03/02/94

Pre Purge: (Y/N) Y

Calibration Time: 15:37 21:50

Column: CAP

ID: 0.53 (mm)

FILE ID:	RRF10 =	>B3135	RRF20 =	>B3129			
>B3130	RRF100=	>B3138	RRF200=	>B3133			
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Monomethane	.9078	1.0063	.8425	.7654	.8739	.8792	10.06
Dimethane	*1.0761	1.0998	.8599	.9318	.8954	.9726	11.17*
Chloride	*.9462	1.0039	.8395	.8267	.8934	.9019	8.22*
Ethane	.5470	.6366	.5067	.4873	.4855	.5326	11.86
Ethylene Chloride	1.3750	1.2664	1.2135	1.1064	1.1335	1.2190	8.85
Propane	.2182	.2895	.2654	.2516	.2627	.2575	10.08
Propan Disulfide	12.7544	12.8741	12.8521	12.6333	11.7683	12.5764	17.92
1,1-Dichloroethene	*1.1593	.9455	1.0135	.6083	.5730	.8599	30.00*
1,2-Dichloroethane	*2.3508	1.8684	2.0548	1.9441	1.9102	2.0257	9.60*
1,1,2-Dichloroethane (total)	1.4470	1.1886	1.2738	1.2150	1.1921	1.2633	8.57
Proform	*2.8308	2.3684	2.4981	2.2933	2.1024	2.4186	11.22*
1,1-Dichloroethane	*1.9380	1.7569	1.7179	1.5386	1.4663	1.6835	11.09*
Propanone	.7191	.5491	.5456	.4973	.5596	.5741	14.72
1,1,1-Trichloroethane	*.6737	.5717	.6087	.5616	.5326	.5897	9.21*
Carbon Tetrachloride	*.6017	.5721	.5985	.5508	.5416	.5729	4.74*
1,1-Dichloromethane	*.8564	.7601	.8191	.7475	.7642	.7895	5.88*
1,1-Dichloropropane	.4081	.3490	.3605	.3255	.3372	.3561	8.96
1,3-Dichloropropene	*.5290	.5047	.5358	.4922	.5149	.5153	3.44*
1,1,1-Trichloroethene	*.5297	.4489	.4537	.4072	.4122	.4503	10.89*
1,1-Dichloromethane	*.9383	.8508	.8625	.7740	.7979	.8447	7.56*
1,1,2,2-Tetrachloroethane	*.4762	.3858	.3886	.3518	.3588	.3922	12.66*
Propane	*.9417	.8437	.8440	.7513	.7737	.8309	8.97*
1,3-Dichloropropene	*.4940	.4541	.4928	.4520	.4803	.4746	4.31*
Proform	*.9345	.7998	.8331	.7722	.8180	.8315	7.44*
Methyl-2-Pentanone	.7014	.5190	.5338	.4691	.5408	.5528	15.86
Propanone	.5321	.3502	.3564	.3152	.3668	.3841	22.11
1,1-Dichloroethene	*.6373	.5531	.5731	.5257	.5310	.5640	7.99*
1,1,2,2-Tetrachloroethane	*1.0936	.8468	.8516	.7753	.8329	.8800	14.00*
Propane	*.8000	.6861	.6901	.6268	.6457	.6897	9.75*
Probenzene	*1.1342	.9574	.9488	.8643	.8957	.9601	10.90*
Ethylbenzene	*.4958	.4182	.4339	.3932	.4063	.4295	9.31*
Propane	*1.0992	.9136	.9387	.8597	.8977	.9418	9.83*
Propane (total)	*.6192	.5109	.5259	.4824	.4953	.5267	10.29*
Propane-d8	(S) 1.2385	1.1046	1.1219	.9647	.8983	1.0656	12.66
Profluorobenzene	(S) *1.2484	1.1080	1.0071	.8536	.8057	1.0046	18.12*
1,1-Dichloroethane-d4	(S) 1.6488	1.5071	1.5177	1.3314	1.1000	1.4210	14.92

Compounds with required minimum RRF and minimum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: LRI

Lab Code: LRI

Case No.:

SAS No.:

SDG No:

Instrument ID: MSD/C

Calibration Date(s): 03/07/94 03/07/94

Heated Purge: (Y/N) N

Calibration Time: 10:55 13:34

GC Column: CAP

ID: 0.53 (mm)

LAB FILE ID:	RRF10 =	>C3191	RRF20 =	>C3192
RRF50 =	>C3195	RRF100=	>C3194	RRF200=
				>C3193

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Chloromethane	.5934	.4917	.3806	.4272	.5070	.4800	16.92
Bromomethane	*1.2803	1.1436	.8885	.8863	.8881	1.0174	18.10*
Vinyl Chloride	*.8649	.7036	.5487	.6123	.6768	.6813	17.46*
Chloroethane	.6726	.5588	.4371	.4643	.4466	.5159	19.40
Methylene Chloride	1.4584	1.3830	1.0952	1.1376	1.1546	1.2458	13.11
Acetone	.2401	.3341	.1909	.1833	.1817	.2260	28.76
Carbon Disulfide	3.7435	3.4385	2.7065	2.9797	3.0089	3.1754	12.96
1,1-Dichloroethene	*1.3375	1.2830	.9496	1.0392	1.0319	1.1282	15.15*
1,1-Dichloroethane	*2.5418	2.4120	1.9651	2.1045	2.1342	2.2315	10.64*
1,2-Dichloroethene (total)	1.6403	1.6134	1.3177	1.3915	1.4223	1.4770	9.63
Chloroform	*3.4223	3.4238	2.8300	2.9741	2.9772	3.1255	8.90*
1,2-Dichloroethane	*2.3903	2.5101	2.2328	2.2305	2.2151	2.3158	5.61*
2-Butanone	.2642	.3221	.2615	.2585	.2740	.2761	9.56
1,1,1-Trichloroethane	*.8886	.9085	.7042	.7368	.7599	.7996	11.60*
Carbon Tetrachloride	*.8595	.9108	.7051	.7493	.7675	.7984	10.56*
Bromodichloromethane	*.9290	.9798	.8019	.8147	.8628	.8776	8.64*
1,2-Dichloropropane	.3139	.3331	.2678	.2814	.3077	.3008	8.68
cis-1,3-Dichloropropene	*.5874	.5890	.4776	.4999	.5354	.5379	9.36*
Trichloroethene	*.5379	.5287	.4098	.4235	.4496	.4699	12.71*
Dibromochloromethane	*.8688	.9470	.7842	.7763	.8467	.8446	8.24*
1,1,2-Trichloroethane	*.3646	.3930	.3147	.3211	.3341	.3455	9.48*
Benzene	*.8477	.8323	.6717	.7093	.7660	.7654	9.94*
trans-1,3-Dichloropropene	*.5481	.5851	.4867	.4968	.5292	.5292	7.52*
Bromoform	*.6751	.7713	.6901	.6969	.7358	.7138	5.49*
4-Methyl-2-Pentanone	.3272	.3081	.2682	.2652	.2689	.2875	9.86
2-Hexanone	.1828	.1713	.1432	.1632	.1599	.1641	8.92
Tetrachloroethene	*.6835	.6378	.5376	.5393	.5750	.5946	10.79*
1,1,2,2-Tetrachloroethane	*.6413	.6533	.6137	.5907	.6440	.6286	4.11*
Toluene	*.8611	.7434	.6117	.6339	.6857	.7072	14.13*
Chlorobenzene	*1.1442	1.1095	.9252	.9256	1.0137	1.0236	9.93*
Ethylbenzene	*.5104	.4847	.4012	.4189	.4538	.4538	9.94*
Styrene	*1.0941	1.1075	.9172	.9212	.9936	1.0067	9.06*
Xylene (total)	*.6526	.6171	.5078	.5191	.5729	.5739	10.82*
Toluene-d8 (S)	1.4823	1.1859	1.1577	1.0137	1.0218	1.1723	16.20
Bromofluorobenzene (S)	*1.2845	1.0778	1.0125	.8859	.9157	1.0353	15.35*
1,2-Dichloroethane-d4 (S)	2.1249	2.1498	2.1343	1.9144	1.7115	2.0070	9.53

* Compounds with required minimum RRF and minimum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

File 83135 35.0-260.0mMm, VSTD018,S,3.0,VSTD019,
TIC 200 400 600 800 1000 1200 1400 1600

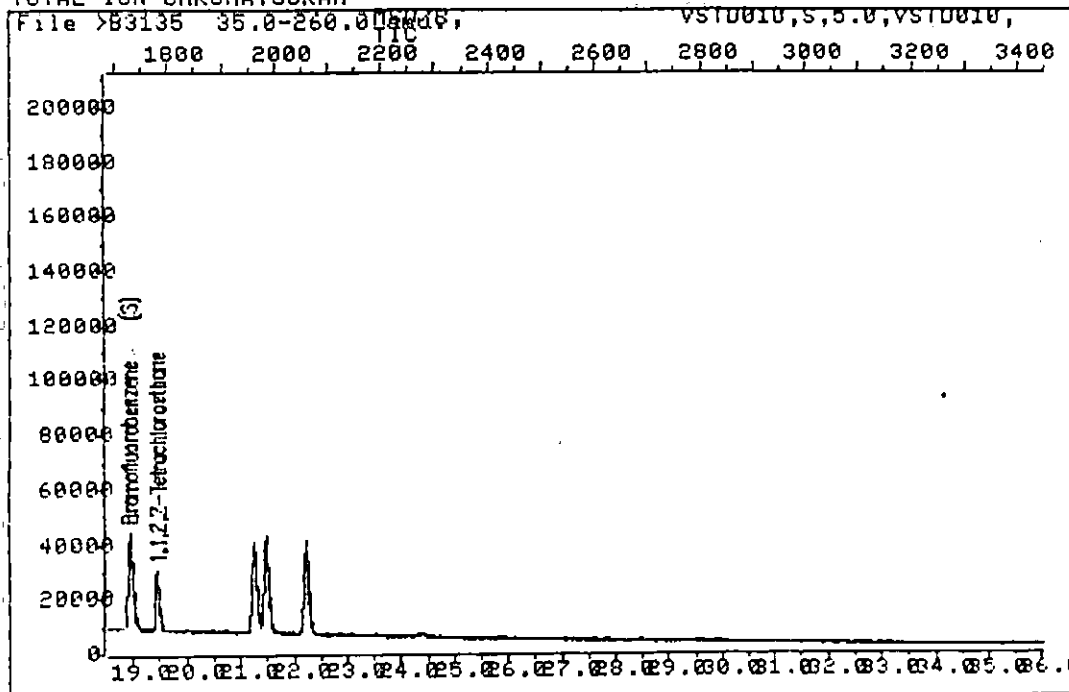
Chloroethane
Chloroethane
Chloroethane
1,1-Dichloroethane Disulfide
Methylene Chloride
1,2-Dichloroethane (total)
1,1-Dichloroethane
1,2-Dichloroethane (total)
Bromochloromethane
Chloroethane
Carbon Tetrachloride
1,2-Dichloroethane-14 (S)
1,4-Dichlorobenzene
Trichloroethane
1,2-Dichloropropane
Bromodichloromethane
cis-1,3-Dichloropropane
1,2-Dichloroethane (S)
trans-1,3-Dichloropropane
Tetrahydrofuran
2-Dimethoxyethane
2-Methoxyethane
Ethylbenzene
Xylene (total)
Xylene (total)
Benzene
Bromofluorobenzene (5)

Quant Output File: ^B3135::QT
Instrument ID: B

Operator ID: EILEEN
Quant Time : 940302 21:09
Injected at: 940302 19:47

71

TOTAL ION CHROMATOGRAM



Data File: >B3135::B4

Quant Output File: ^B3135::QT

Name: MSD/B,

Instrument ID: B

Misc: VSTD010,S,5.0,VSTD010,

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

Operator ID: EILEEN

Quant Time : 940302 21:09

Injected at: 940302 19:47

Page 2 of 2

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3135::QT
 Data File: >B3135::B4
 Name: MSD/B,
 Misc: USTD010,S,5.0,USTD010,

Quant Rev: 7 Quant Time: 940302 21:09
 Injected at: 940302 19:47
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	8.55	127.9	60976	50.00	UG/L	91
2) Chloromethane	2.10	50.0	11071	8.92	UG/L	98
3) Vinyl Chloride	2.25	62.0	11539	9.30	UG/L	84
4) Bromomethane	2.66	94.0	13123	11.16	UG/L	89
5) Chloroethane	2.83	64.0	6671M	8.75	UG/L	89
6) 1,1-Dichloroethene	4.09	96.0	14138	11.61	UG/L	87
7) Carbon Disulfide	4.29	76.0	33590	9.87	UG/L	95
8) Acetone	4.48	43.0	2661	8.00	UG/L	91
9) Methylene Chloride	5.29	84.0	16768	11.81	UG/L	98
10) 1,2-Dichloroethene (total)	5.89	96.0	15464	10.98	UG/L	90
10) 1,2-Dichloroethene (total)	8.10	96.0	17647	12.53	UG/L	83
11) 1,1-Dichloroethane	6.83	63.0	28669	12.94	UG/L	96
12) 2-Butanone	8.35	43.0	8769	13.01	UG/L	88
13) Chloroform	8.89	83.0	34522	13.48	UG/L	97
14) 1,2-Dichloroethane	9.86	62.0	23634	13.57	UG/L	97
15) 1,2-Dichloroethane-d4 (S)	9.71	65.0	20107	13.08	UG/L	89
16) *1,4-Difluorobenzene	10.71	114.0	221329	50.00	UG/L	93
17) 1,1,1-Trichloroethane	9.00	97.0	29822	13.60	UG/L	96
18) Carbon Tetrachloride	9.31	117.0	26634	11.91	UG/L	96
19) Benzene	9.72	78.0	41685	11.59	UG/L	96
20) Trichloroethene	11.07	130.0	23446	12.58	UG/L	93
21) 1,2-Dichloropropane	11.47	63.0	18065	12.13	UG/L	92
22) Bromodichloromethane	12.14	83.0	37908	12.76	UG/L	93
23) trans-1,3-Dichloropropene	14.23	75.0	21868	10.78	UG/L	69
24) cis-1,3-Dichloropropene	13.04	75.0	23416	11.42	UG/L	95
25) 1,1,2-Trichloroethane	14.53	97.0	21080	13.32	UG/L	95
26) Dibromochloromethane	15.24	129.0	41533	12.56	UG/L	94
27) Bromoform	18.15	173.0	41368	12.63	UG/L	98
28) *Chlorobenzene-d5	16.36	117.0	181835	50.00	UG/L	94
29) 4-Methyl-2-Pentanone	13.51	43.0	25506	14.21	UG/L	85
30) Toluene-d8 (S)	13.47	98.0	45040	11.92	UG/L	94
31) Toluene	13.59	92.0	29093	12.28	UG/L	98
32) Tetrachloroethene	14.66	164.0	23175	11.55	UG/L	97
33) 2-Hexanone	15.21	43.0	19351	15.77	UG/L	98
34) Chlorobenzene	16.41	112.0	41249	12.68	UG/L	99
35) Ethylbenzene	16.76	106.0	18030	11.94	UG/L	90
36) Xylene (total)	17.03	106.0	45913	25.03	UG/L	86
36) Xylene (total)	17.81	106.0	22518	12.27	UG/L	93
37) Styrene	17.87	104.0	39975	12.31	UG/L	91
38) Bromofluorobenzene (S)	18.92	95.0	45400	13.43	UG/L	98

QUANT REPORT

Page 2

Operator ID: EILEEN
Output File: ^B3135::QT
Data File: >B3135::B4
Name: MSD/B,
Misc: USTD010,S,5.0,USTD010,

Quant Rev: 7 Quant Time: 940302 21:09
 Injected at: 940302 19:47
Dilution Factor: 1.00000
Instrument ID: B

ID File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC.MS

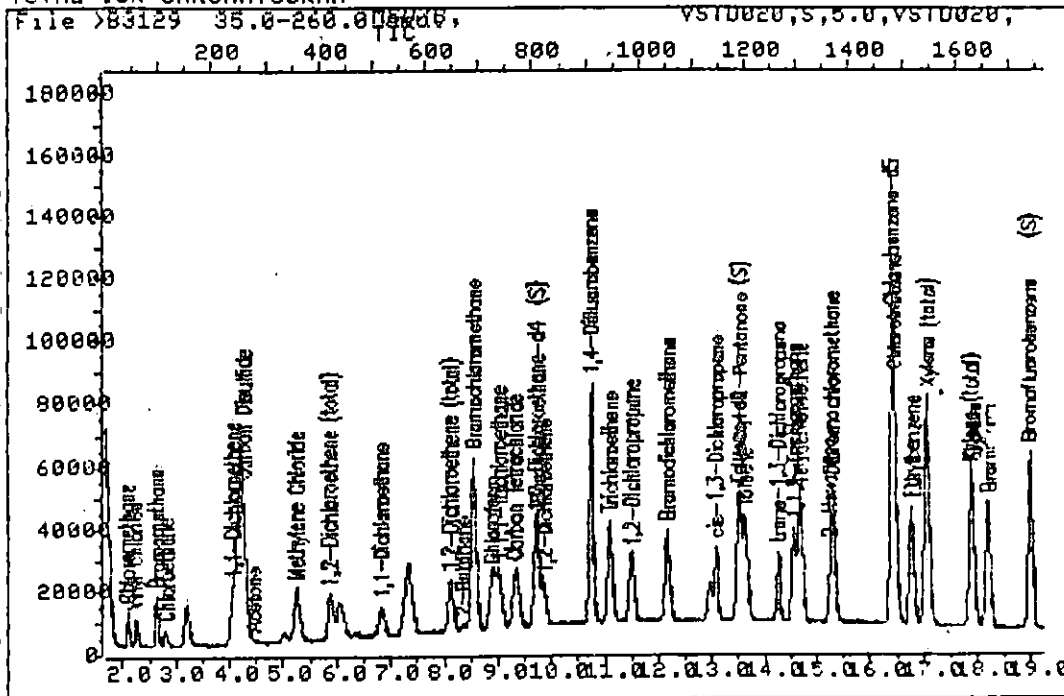
Last Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
79	1,1,2,2-Tetrachloroethane	19.44	83.0	39770	14.09	UG/L	98

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >B3129::B4
Name: MSD/B,
Misc: USTD020,S,5.0,USTD020,

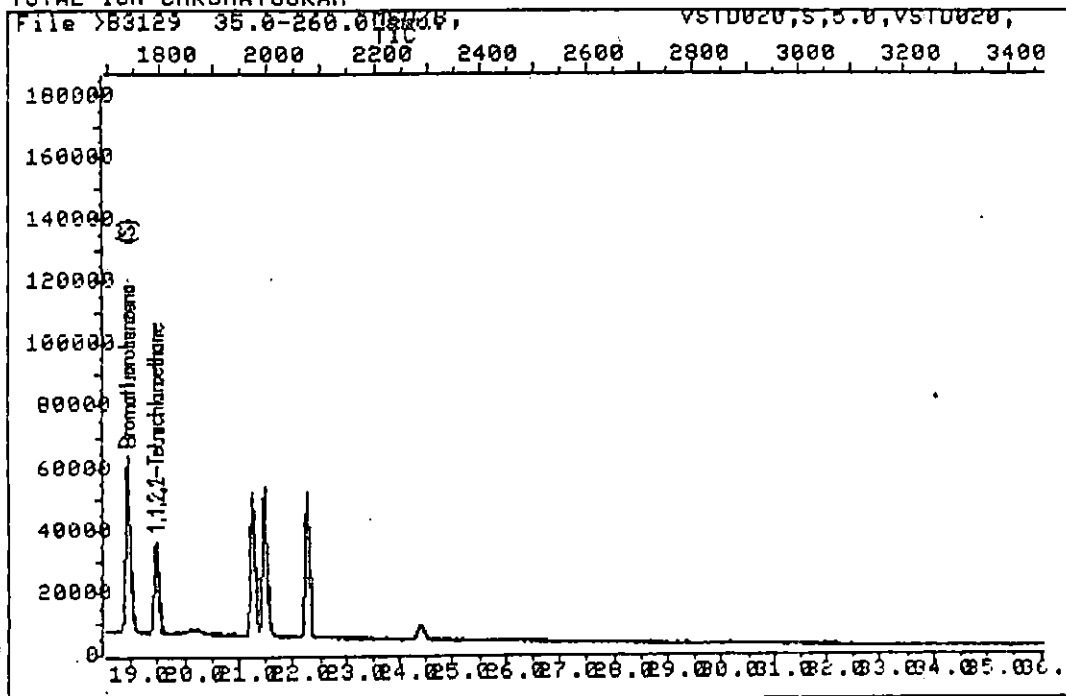
Quant Output File: ^B3129::QT
Instrument ID: B

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940208 11:33

Operator ID: EILEEN
Quant Time : 940304 10:41
Injected at: 940302 15:37

Page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >B3129::B4

Name: MSD/B,

Misc: USTD020,S,5.0,VSTD020,

Quant Output File: ^B3129::QT

Instrument ID: B

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

Operator ID: EILEEN

Quant Time : 940304 10:41

Injected at: 940302 15:37

Page 2 of 2

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3129::QT
 Data File: >B3129::B4
 Name: MSD/B,
 Misc: USTD020,S,5.0,USTD020,

Quant Rev: 7 Quant Time: 940304 10:41
 Injected at: 940302 15:37
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qual Time: 940208 11:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	8.55	127.9	46197	50.00	UG/L	83
2)	Chloromethane	2.07	50.0	18595	19.79	UG/L	97
3)	Vinyl Chloride	2.22	62.0	18550	19.73	UG/L	83
4)	Bromomethane	2.63	94.0	20323	22.82	UG/L	98
5)	Chloroethane	2.80	64.0	11763	20.37	UG/L	93
6)	1,1-Dichloroethene	4.05	96.0	17472	18.94	UG/L	89
7)	Carbon Disulfide	4.24	76.0	53109	20.60	UG/L	98
8)	Acetone	4.44	43.0	5349	21.24	UG/L	84
9)	Methylene Chloride	5.24	84.0	23402	21.75	UG/L	91
10)	1,2-Dichloroethene (total)	5.85	96.0	18891	17.70	UG/L	89
10)	1,2-Dichloroethene (total)	8.10	96.0	21964	20.58	UG/L	85
11)	1,1-Dichloroethane	6.82	63.0	34526	20.56	UG/L	99
12)	2-Butanone	8.34	43.0	10146	19.87	UG/L	89
13)	Chloroform	8.88	83.0	43766	22.56	UG/L	99
14)	1,2-Dichloroethane	9.86	62.0	32466	24.61	UG/L	99
15)	1,2-Dichloroethane-d4 (S)	9.71	65.0	27849	23.92	UG/L	96
16)	*1,4-Difluorobenzene	10.72	114.0	189355	50.00	UG/L	95
17)	1,1,1-Trichloroethane	9.00	97.0	43304	23.09	UG/L	97
18)	Carbon Tetrachloride	9.30	117.0	43333	22.65	UG/L	97
19)	Benzene	9.73	78.0	63905	20.76	UG/L	99
20)	Trichloroethene	11.08	130.0	34003	21.33	UG/L	96
21)	1,2-Dichloropropane	11.48	63.0	26431M	20.74	UG/L	
22)	Bromodichloromethane	12.15	83.0	57570	22.65	UG/L	98
23)	trans-1,3-Dichloropropene	14.24	75.0	34397	19.83	UG/L	66
24)	cis-1,3-Dichloropropene	13.05	75.0	38227	21.79	UG/L	92
25)	1,1,2-Trichloroethane	14.55	97.0	29218	21.58	UG/L	96
26)	Dibromochloromethane	15.25	129.0	64440	22.77	UG/L	96
27)	Bromoform	18.18	173.0	60582	21.63	UG/L	99
28)	*Chlorobenzene-d5	16.37	117.0	152843	50.00	UG/L	95
29)	4-Methyl-2-Pentanone	13.51	43.0	31730	21.03	UG/L	87
30)	Toluene-d8 (S)	13.49	98.0	67532	21.25	UG/L	91
31)	Toluene	13.61	92.0	41944	21.07	UG/L	95
32)	Tetrachloroethene	14.67	164.0	33817	20.04	UG/L	97
33)	2-Hexanone	15.21	43.0	21412	20.76	UG/L	90
34)	Chlorobenzene	16.42	112.0	58530	21.41	UG/L	97
35)	Ethylbenzene	16.77	106.0	25570	20.14	UG/L	92
36)	Xylene (total)	17.04	106.0	64792	42.02	UG/L	87
36)	Xylene (total)	17.84	106.0	31233	20.25	UG/L	90
37)	Styrene	17.89	104.0	55854	20.47	UG/L	94
38)	Bromofluorobenzene (S)	18.93	95.0	67740	23.84	UG/L	94

QUANT REPORT

Page 2

Operator ID: EILEEN
Output File: ^B3129::QT
Data File: >B3129::B4
Name: MSD/B,
Misc: USTD020,S,5.0,USTD020,

Quant Rev: 7 Quant Time: 940304 10:41
 Injected at: 940302 15:37
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

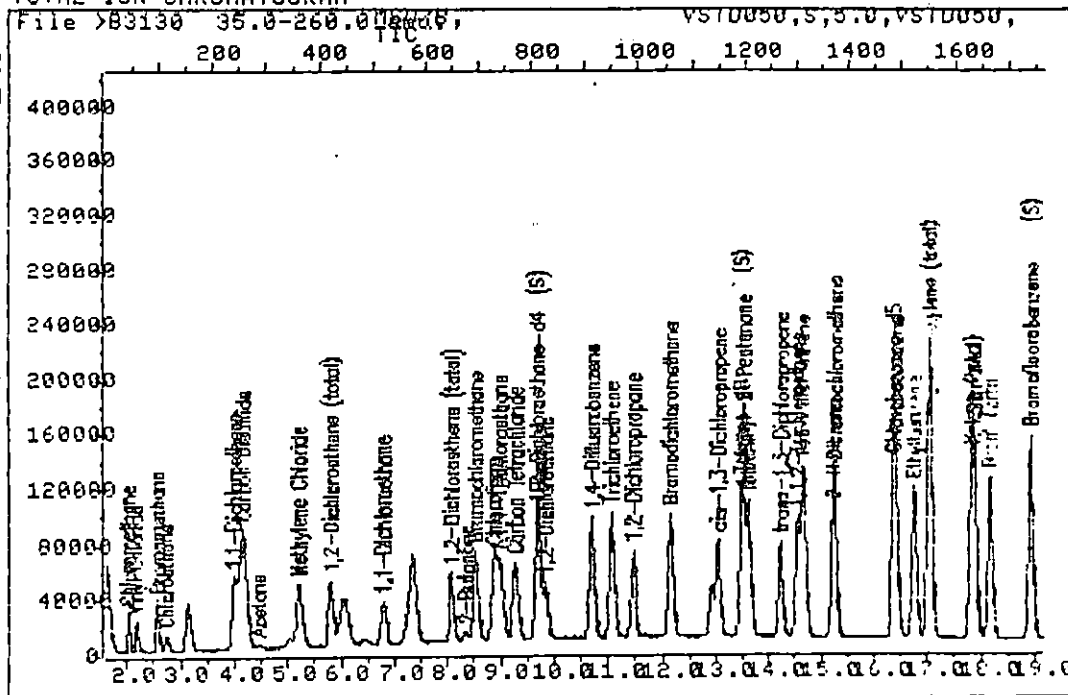
1st Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
79)	1,1,2,2-Tetrachloroethane	19.46	83.0	51768	21.81	UG/L	98

- Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >B3130::B4
Name: MSD/B,
Misc: USTD050, S, 5.0, USTD050,

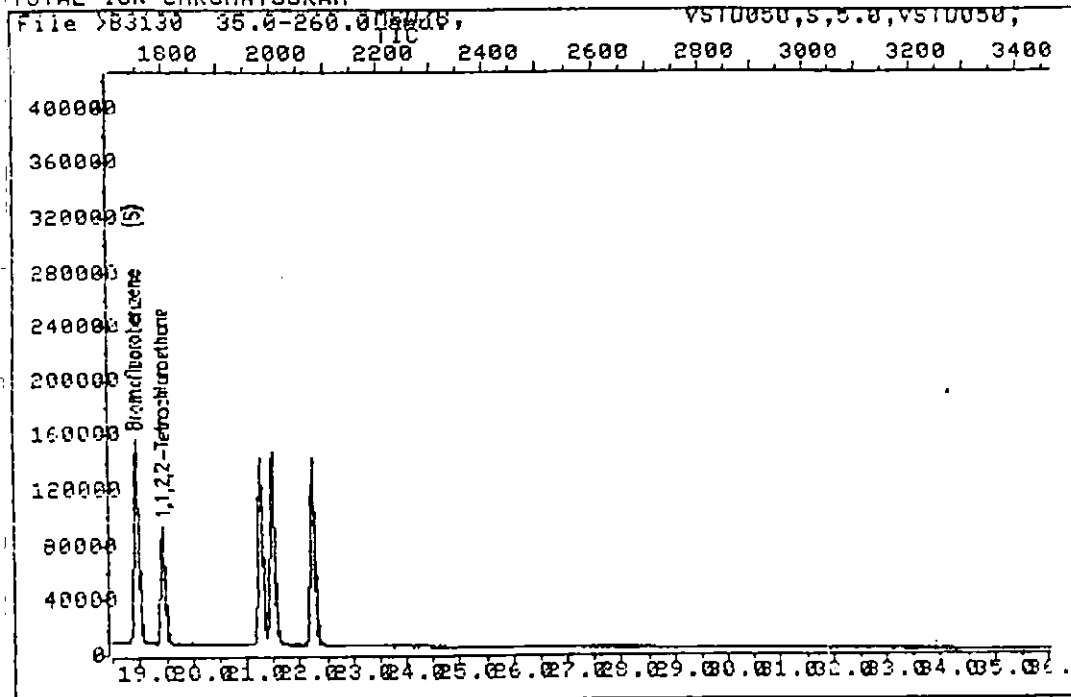
Quant Output File: ^B3130::QT
Instrument ID: B

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940208 11:33

Operator ID: EILEEN
Quant Time : 940304 10:47
Injected at: 940302 16:18

Page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >B3130::B4
Name: MSD/B,
Misc: USTD050,S,5.0,USTD050,

Quant Output File: ^B3130::QT
Instrument ID: 8

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940208 11:33

Operator ID: EILEEN
Quant Time : 940304 10:47
Injected at: 940302 16:18

Page 2 of 2

QUANT REPORT

Page 1

Operator ID: EILEEN

Quant Rev: 7

Quant Time: 940304 10:47

Output File: ^B3130::QT

Injected at: 940302 16:18

Data File: >B3130::B4

Dilution Factor: 1.00000

Name: MSD/B,

Instrument ID: B

Misc: USTD050,S,5.0,USTD050,

> File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Cal Time: 940208 11:33

Compound	R.T.	Q	Ion	Area	Conc	Units	Q
1) *Bromochloromethane	8.52	127.9		56637	50.00	UG/L	85
2) Chloromethane	2.00	50.0		42718	41.41	UG/L	97
3) Vinyl Chloride	2.15	62.0		47549	41.25	UG/L	81
4) Bromomethane	2.55	94.0		48701	44.61	UG/L	99
5) Chloroethane	2.72	64.0		28700	40.54	UG/L	89
6) 1,1-Dichloroethane	3.98	96.0		57403	50.76	UG/L	88
7) Carbon Disulfide	4.16	76.0		161537	51.11	UG/L	99
8) Acetone	4.44	43.0		15033	48.68	UG/L	87
9) Methylene Chloride	5.19	84.0		68731	52.10	UG/L	93
10) 1,2-Dichloroethane (total)	5.80	96.0		63985	48.91	UG/L	93
11) 1,2-Dichloroethane (total)	8.06	96.0		72145	55.14	UG/L	83
12) 1,1-Dichloroethane	6.77	63.0		116378	56.54	UG/L	97
13) 2-Butanone	8.34	43.0		30901	49.37	UG/L	85
14) Chloroform	8.85	83.0		141485	59.48	UG/L	95
15) 1,2-Dichloroethane	9.82	62.0		97297	60.15	UG/L	98
16) 1,2-Dichloroethane-d4	9.67	65.0		85959	60.22	UG/L	94
17) *1,4-Difluorobenzene	10.69	114.0		214369	50.00	UG/L	95
18) 1,1,1-Trichloroethane	8.96	97.0		130493	61.45	UG/L	94
19) Carbon Tetrachloride	9.26	117.0		128308	59.25	UG/L	99
20) Benzene	9.70	78.0		180923	51.92	UG/L	98
21) Trichloroethene	11.05	130.0		97255	53.89	UG/L	97
22) 1,2-Dichloropropane	11.44	63.0		77285	53.56	UG/L	96
23) Bromodichloromethane	12.13	83.0		175592	61.01	UG/L	99
24) trans-1,3-Dichloropropene	14.21	75.0		105641	53.78	UG/L	65
25) cis-1,3-Dichloropropene	13.02	75.0		114851	57.83	UG/L	95
26) 1,1,2-Trichloroethane	14.53	97.0		83303	54.75	UG/L	97
27) Dibromochloromethane	15.25	129.0		184886	57.71	UG/L	93
28) Bromoform	18.15	173.0		178601	56.31	UG/L	97
29) *Chlorobenzene-d5	16.35	117.0		176027	50.00	UG/L	93
30) 4-Methyl-2-Pentanone	13.50	43.0		93963	54.07	UG/L	86
31) Toluene-d8	13.46	98.0		197478	53.97	UG/L	91
32) Toluene	13.59	92.0		121477	52.98	UG/L	98
33) Tetrachloroethene	14.64	164.0		100883	51.92	UG/L	99
34) 2-Hexanone	15.21	43.0		62733	52.82	UG/L	92
35) Chlorobenzene	16.41	112.0		167023	53.04	UG/L	97
36) Ethylbenzene	16.74	106.0		76372	52.24	UG/L	93
37) Xylene (total)	17.02	106.0		191743	107.97	UG/L	88
38) Xylene (total)	17.81	106.0		92569	52.13	UG/L	93
39) Styrene	17.86	104.0		165228	52.57	UG/L	94
40) Bromofluorobenzene	18.90	95.0		177270	54.16	UG/L	96

QUANT REPORT

Page 2

Operator ID: EILEEN
Output File: ^B3130::QT
Data File: ^B3130::B4
Name: MSD/B,
Misc: USTD050,S,5.0,USTD050,

Quant Rev: 7 Quant Time: 940304 10:47
 Injected at: 940302 16:18
Dilution Factor: 1.00000
Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Cal Time: 940208 11:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
29)	1,1,2,2-Tetrachloroethane	19.43	83:0	149905	54.85	UG/L	94

Compound is ISTD

File #83138 35.0-260.0°C FID VST0100, S, 5.0, VST0100, 1600

Chromatogram showing detector response (Y-axis, 0 to 750,000) versus time (X-axis, 2.0 to 9.6 minutes). The following compounds are identified by their retention times and labels:

Retention Time (min)	Compound
2.0	Chloroform
2.5	Chloroform
3.0	Chloroform
4.0	Acetone
5.0	Methylene Chloride
6.0	1,2-Dichloroethane (total)
7.0	1,1-Dichloroethane
8.0	1,2-Dichloroethane (total)
9.0	1,2-Dichloroethane
10.0	1,2-Dichloroethane-44 (S)
11.0	1,4-Difluorobenzene
12.0	1,2-Dichloropropane
13.0	Bromodichloromethane
14.0	1,3-Dichloropropane
15.0	1,2-Dichloropropane (S)
16.0	1,2-Dichloropropane
17.0	1,2-Dichloropropane
18.0	1,2-Dichloropropane
19.0	1,2-Dichloropropane
20.0	1,2-Dichloropropane
21.0	1,2-Dichloropropane
22.0	1,2-Dichloropropane
23.0	1,2-Dichloropropane
24.0	1,2-Dichloropropane
25.0	1,2-Dichloropropane
26.0	1,2-Dichloropropane
27.0	1,2-Dichloropropane
28.0	1,2-Dichloropropane
29.0	1,2-Dichloropropane
30.0	1,2-Dichloropropane
31.0	1,2-Dichloropropane
32.0	1,2-Dichloropropane
33.0	1,2-Dichloropropane
34.0	1,2-Dichloropropane
35.0	1,2-Dichloropropane
36.0	1,2-Dichloropropane
37.0	1,2-Dichloropropane
38.0	1,2-Dichloropropane
39.0	1,2-Dichloropropane
40.0	1,2-Dichloropropane
41.0	1,2-Dichloropropane
42.0	1,2-Dichloropropane
43.0	1,2-Dichloropropane
44.0	1,2-Dichloropropane
45.0	1,2-Dichloropropane
46.0	1,2-Dichloropropane
47.0	1,2-Dichloropropane
48.0	1,2-Dichloropropane
49.0	1,2-Dichloropropane
50.0	1,2-Dichloropropane
51.0	1,2-Dichloropropane
52.0	1,2-Dichloropropane
53.0	1,2-Dichloropropane
54.0	1,2-Dichloropropane
55.0	1,2-Dichloropropane
56.0	1,2-Dichloropropane
57.0	1,2-Dichloropropane
58.0	1,2-Dichloropropane
59.0	1,2-Dichloropropane
60.0	1,2-Dichloropropane
61.0	1,2-Dichloropropane
62.0	1,2-Dichloropropane
63.0	1,2-Dichloropropane
64.0	1,2-Dichloropropane
65.0	1,2-Dichloropropane
66.0	1,2-Dichloropropane
67.0	1,2-Dichloropropane
68.0	1,2-Dichloropropane
69.0	1,2-Dichloropropane
70.0	1,2-Dichloropropane
71.0	1,2-Dichloropropane
72.0	1,2-Dichloropropane
73.0	1,2-Dichloropropane
74.0	1,2-Dichloropropane
75.0	1,2-Dichloropropane
76.0	1,2-Dichloropropane
77.0	1,2-Dichloropropane
78.0	1,2-Dichloropropane
79.0	1,2-Dichloropropane
80.0	1,2-Dichloropropane
81.0	1,2-Dichloropropane
82.0	1,2-Dichloropropane
83.0	1,2-Dichloropropane
84.0	1,2-Dichloropropane
85.0	1,2-Dichloropropane
86.0	1,2-Dichloropropane
87.0	1,2-Dichloropropane
88.0	1,2-Dichloropropane
89.0	1,2-Dichloropropane
90.0	1,2-Dichloropropane
91.0	1,2-Dichloropropane
92.0	1,2-Dichloropropane
93.0	1,2-Dichloropropane
94.0	1,2-Dichloropropane
95.0	1,2-Dichloropropane
96.0	1,2-Dichloropropane
97.0	1,2-Dichloropropane
98.0	1,2-Dichloropropane
99.0	1,2-Dichloropropane
100.0	1,2-Dichloropropane

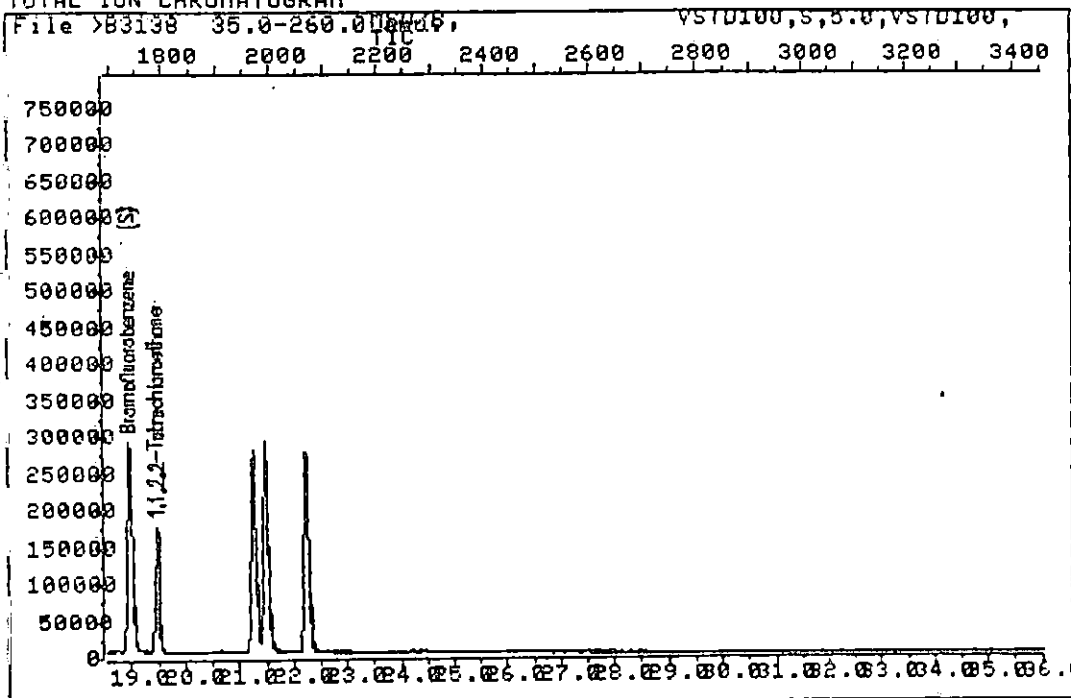
Quant Output File: ^B3138::QT
Instrument ID: 8

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940208 11:33

Operator ID: EILEEN
Quant Time : 940304 10:59
Injected at: 940302 21:50

Page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >B3138::B4
Name: MSD/B,
Misc: VSTD100,S,5.0,VSTD100,

Quant Output File: ^B3138::QT
Instrument ID: B

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940208 11:33

Operator ID: EILEEN
Quant Time : 940304 10:59
Injected at: 940302 21:50

Page 2 of 2

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3138::QT
 Data File: >B3138::B4
 Name: MSD/B,
 Misc: USTD100,S,5.0,USTD100,

Quant Rev: 7 Quant Time: 940304 10:59
 Injected at: 940302 21:50
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

1st Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

	Compound	R.T.	Q	ion	Area	Conc	Units	q
1)	*Bromochloromethane	8.54	127.9		65403	50.00	UG/L	86
2)	Chloromethane	2.03	50.0		100122	75.25	UG/L	98
3)	Vinyl Chloride	2.18	62.0		108142	81.25	UG/L	80
4)	Bromomethane	2.59	94.0		121882	96.67	UG/L	96
5)	Chloroethane	2.76	64.0		63745	77.98	UG/L	86
6)	1,1-Dichloroethene	4.01	96.0		79571	60.93	UG/L	89
7)	Carbon Disulfide	4.18	76.0		344450	94.38	UG/L	99
8)	Acetone	4.56	43.0		32913	92.30	UG/L	82
9)	Methylene Chloride	5.23	84.0		144727	95.01	UG/L	95
10)	1,2-Dichloroethene (total)	5.82	96.0		140199	92.80	UG/L	91
10)	1,2-Dichloroethene (total)	8.10	96.0		158932	105.20	UG/L	81
11)	1,1-Dichloroethane	6.80	63.0		254300	106.98	UG/L	98
12)	2-Butanone	8.40	43.0		65050	90.00	UG/L	84
13)	Chloroform	8.88	83.0		299971	109.20	UG/L	99
14)	1,2-Dichloroethane	9.85	62.0		201263	107.75	UG/L	98
15)	1,2-Dichloroethane-d4 (S)	9.72	65.0		174156	105.65	UG/L	95
16)	*1,4-Difluorobenzene	10.72	114.0		243590	50.00	UG/L	93
17)	1,1,1-Trichloroethane	8.99	97.0		273590	113.39	UG/L	98
18)	Carbon Tetrachloride	9.30	117.0		268329	109.05	UG/L	98
19)	Benzene	9.72	78.0		365997	92.43	UG/L	99
20)	Trichloroethene	11.07	130.0		198365	96.73	UG/L	97
21)	1,2-Dichloropropane	11.47	63.0		158591	96.72	UG/L	97
22)	Bromodichloromethane	12.17	83.0		364161	111.35	UG/L	98
23)	trans-1,3-Dichloropropene	14.26	75.0		220203	98.66	UG/L	66
24)	cis-1,3-Dichloropropene	13.05	75.0		239787	106.25	UG/L	94
25)	1,1,2-Trichloroethane	14.56	97.0		171398	98.41	UG/L	99
26)	Dibromochloromethane	15.28	129.0		377059	103.58	UG/L	94
27)	Bromoform	18.17	173.0		376208	104.39	UG/L	98
28)	*Chlorobenzene-d5	16.38	117.0		199412	50.00	UG/L	93
29)	4-Methyl-2-Pentanone	13.54	43.0		187073	95.03	UG/L	84
30)	Toluene-d8 (S)	13.49	98.0		384756	92.81	UG/L	95
31)	Toluene	13.61	92.0		249972	96.24	UG/L	98
32)	Tetrachloroethene	14.66	164.0		209666	95.24	UG/L	98
33)	2-Hexanone	15.24	43.0		125708	93.42	UG/L	92
34)	Chlorobenzene	16.44	112.0		344710	96.63	UG/L	99
35)	Ethylbenzene	16.77	106.0		156806	94.68	UG/L	94
36)	Xylene (total)	17.05	106.0		388127	192.92	UG/L	87
36)	Xylene (total)	17.83	106.0		192379	95.62	UG/L	91
37)	Styrene	17.90	104.0		342865	96.30	UG/L	92
38)	Bromofluorobenzene (S)	18.93	95.0		340448	91.82	UG/L	99

QUANT REPORT

Page 2

Operator ID: EILEEN
Output File: ^B3138::QT
Data File: >B3138::B4
Name: MSD/B,
Misc: USTD100,S,5.0,USTD100,

Quant Rev: 7 Quant Time: 940304 10:59
 Injected at: 940302 21:50
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

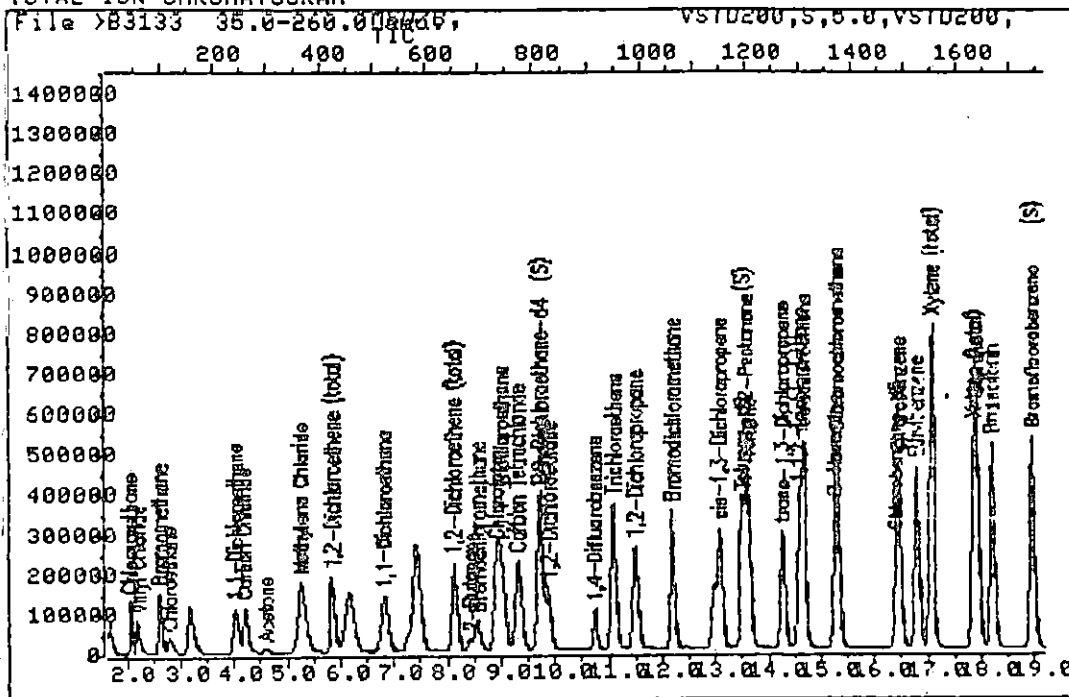
Last Calibration: 940126 15:13

Last Qual Time: 940208 11:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
99)	1,1,2,2-Tetrachloroethane	19.45	83.0	309192	99.86	UG/L	95

Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >B3133::B4
Name: MSD/B,
Misc: USTD200,S,5.0,VSTD200,

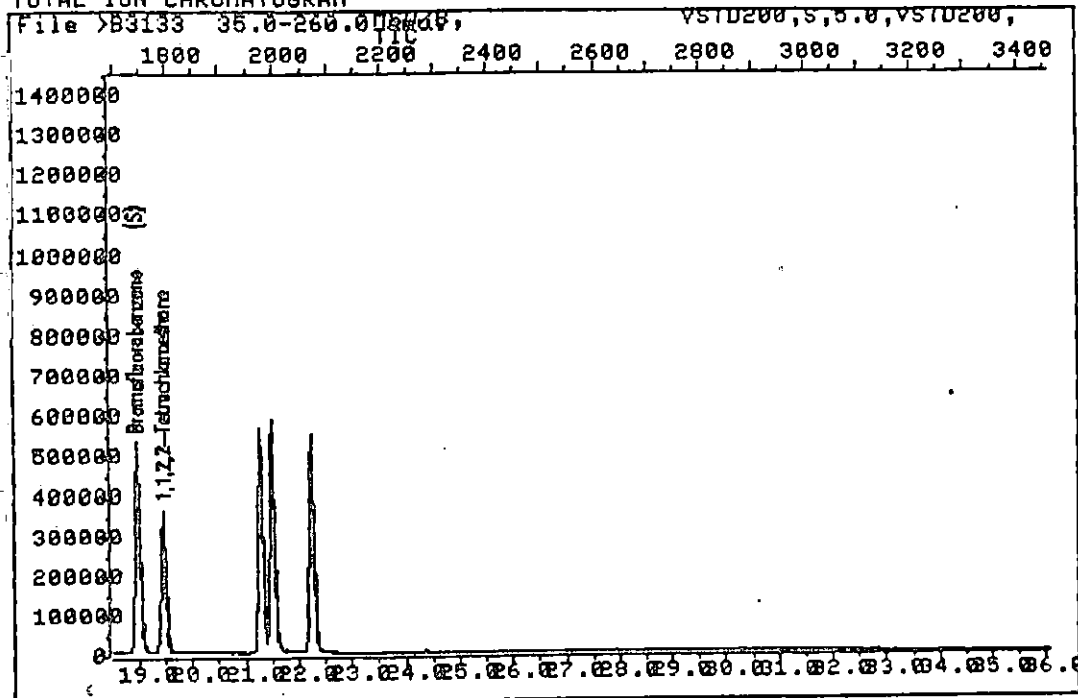
Quant Output File: ^B3133::QT
Instrument ID: B

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940208 11:33

Operator ID: EILEEN
Quant Time : 940304 10:51
Injected at: 940302 18:24

Page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >B3133::B4
Name: MSD/B,
Misc: USTD200,S,5.0,VSTD200,

Quant Output File: ^B3133::QT
Instrument ID: B

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940208 11:33

Operator ID: EILEEN
Quant Time : 940304 10:51
Injected at: 940302 18:24

Page 2 of 2

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3133::QT
 Data File: >B3133::B4
 Name: MSD/B,
 Misc: USTD200,S,5.0,USTD200,

Quant Rev: 7 Quant Time: 940304 10:51
 Injected at: 940302 18:24
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	8.56	127.9	66753	50.00	UG/L	93
2)	Chloromethane	2.04	50.0	233333	171.82	UG/L	96
3)	Vinyl Chloride	2.19	62.0	238544	175.59	UG/L	81
4)	Bromomethane	2.61	94.0	239088	185.80	UG/L	99
5)	Chloroethane	2.79	64.0	129622	155.37	UG/L	88
6)	1,1-Dichloroethene	4.01	96.0	153008	114.79	UG/L	85
7)	Carbon Disulfide	4.19	76.0	472151	126.75	UG/L	96
8)	Acetone	4.60	43.0	70141	192.73	UG/L	82
9)	Methylene Chloride	5.25	84.0	302669	194.67	UG/L	95
10)	1,2-Dichloroethene (total)	5.84	96.0	268925	174.40	UG/L	89
10)	1,2-Dichloroethene (total)	8.11	96.0	318299	206.42	UG/L	82
11)	1,1-Dichloroethane	6.81	63.0	510037	210.23	UG/L	98
12)	2-Butanone	8.43	43.0	149421	202.56	UG/L	88
13)	Chloroform	8.90	83.0	561359	200.21	UG/L	95
14)	1,2-Dichloroethane	9.87	62.0	391525	205.37	UG/L	97
15)	1,2-Dichloroethane-d4 (S)	9.72	65.0	293700	174.57	UG/L	94
16)	*1,4-Difluorobenzene	10.72	114.0	246712	50.00	UG/L	93
17)	1,1,1-Trichloroethane	8.99	97.0	525621	215.08	UG/L	96
18)	Carbon Tetrachloride	9.29	117.0	534463	214.45	UG/L	97
19)	Benzene	9.73	78.0	763538	190.38	UG/L	96
20)	Trichloroethene	11.08	130.0	406826	195.86	UG/L	98
21)	1,2-Dichloropropane	11.48	63.0	332759	200.38	UG/L	96
22)	Bromodichloromethane	12.18	83.0	754121	227.68	UG/L	96
23)	trans-1,3-Dichloropropene	14.26	75.0	473946M	209.66	UG/L	91
24)	cis-1,3-Dichloropropene	13.05	75.0	508111	222.29	UG/L	95
25)	1,1,2-Trichloroethane	14.58	97.0	354051	200.71	UG/L	98
26)	Dibromochloromethane	15.28	129.0	787398	213.57	UG/L	94
27)	Bromoform	18.18	173.0	807257	221.17	UG/L	98
28)	*Chlorobenzene-d5	16.39	117.0	198821	50.00	UG/L	94
29)	4-Methyl-2-Pentanone	13.56	43.0	430129	219.15	UG/L	85
30)	Toluene-d8 (S)	13.49	98.0	714383	172.84	UG/L	96
31)	Toluene	13.61	92.0	513487	198.28	UG/L	99
32)	Tetrachloroethene	14.67	164.0	422279	192.40	UG/L	98
33)	2-Hexanone	15.24	43.0	291689	217.42	UG/L	93
34)	Chlorobenzene	16.44	112.0	712349	200.29	UG/L	98
35)	Ethylbenzene	16.77	106.0	323155	195.71	UG/L	95
36)	Xylene (total)	17.06	106.0	795796	396.73	UG/L	74
36)	Xylene (total)	17.85	106.0	393903	196.38	UG/L	91
37)	Styrene	17.91	104.0	713907	201.11	UG/L	91
38)	Bromofluorobenzene (S)	18.94	95.0	640722	173.32	UG/L	98

QUANT REPORT

Page 2

Operator ID: EILEEN
Output File: ^B3133::QT
Data File: >B3133::B4
Name: MSD/B,
Misc: USTD200,S,5.0,USTD200,

Quant Rev: 7 Quant Time: 940304 10:51
 Injected at: 940302 18:24
Dilution Factor: 1.00000
Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940208 11:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	19.45	83.0	662379	214.56	UG/L	96

* Compound is ISTD

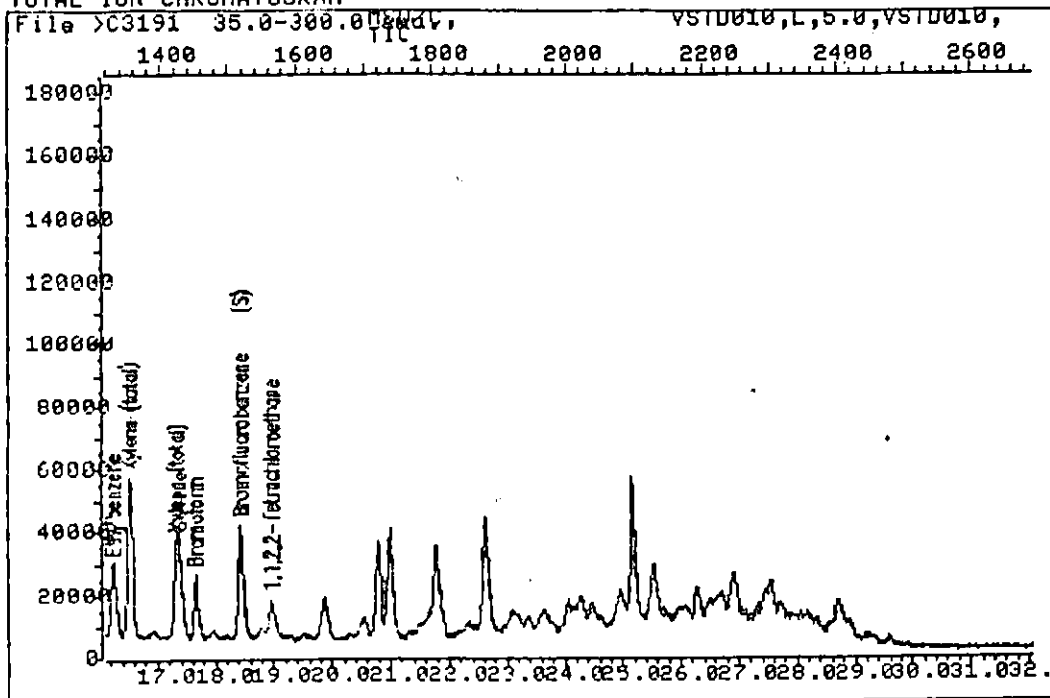
Quant Output File: ^C3191::QT
Instrument ID: C

Id File: IDC90L:C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qcal Time: <none>

Operator ID: ANDY
Quant Time : 940307 11:32
Injected at: 940307 10:55

Page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >C3191::C4
Name: MSD/C,
Misc: VSTD010,L,5.0,VSTD010,

Quant Output File: ^C3191::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qcal Time: <none>

Operator ID: ANDY
Quant Time : 940307 11:32
Injected at: 940307 10:55

Page 2 of 2

Operator ID: ANDY
 Output File: ^C3191::Q1
 Data File: >C3191::C4
 Name: MSD/C,
 Misc: USTD010,L,5.0,USTD010,

Quant Rev: 7 Quant Time: 940307 11:32
 Injected at: 940307 10:55
 Dilution Factor: 1.00000
 Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940301 15:50

Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.68	127.9	54992	50.00	UG/L	83
2)	Chloromethane	1.57	50.0	6526	9.43	UG/L	96
3)	Vinyl Chloride	1.68	62.0	9513	11.18	UG/L	79
4)	Bromomethane	2.03	94.0	14081	11.83	UG/L	95
5)	Chloroethane	2.17	64.0	7397	14.73	UG/L	92
6)	1,1-Dichloroethene	3.20	96.0	14710	11.90	UG/L	73
7)	Carbon Disulfide	3.38	76.0	41173	12.15	UG/L	95
8)	Acetone	3.57	43.0	2641M	11.46	UG/L	
9)	Methylene Chloride	4.21	84.0	16040M	13.55	UG/L	92
10)	1,2-Dichloroethene (total)	4.82	96.0	17558	11.09	UG/L	73
10)	1,2-Dichloroethene (total)	7.24	96.0	18041	11.40	UG/L	65
11)	1,1-Dichloroethane	5.85	63.0	27956	10.65	UG/L	95
12)	2-Butanone	7.43	43.0	2906M	10.73	UG/L	
13)	Chloroform	8.13	83.0	37640	9.63	UG/L	95
14)	1,2-Dichloroethane	9.10	62.0	26290	8.48	UG/L	90
15)	1,2-Dichloroethane-d4 (S)	8.95	65.0	23371	8.93	UG/L	93
16)	*1,4-Difluorobenzene	10.04	114.0	226676	50.00	UG/L	92
17)	1,1,1-Trichloroethane	8.21	97.0	40287	9.03	UG/L	97
18)	Carbon Tetrachloride	8.53	117.0	38965	9.25	UG/L	97
19)	Benzene	8.97	78.0	38429	10.47	UG/L	99
20)	Trichloroethene	10.44	130.0	24386	11.11	UG/L	97
21)	1,2-Dichloropropane	10.81	63.0	14231M	9.65	UG/L	85
22)	Bromodichloromethane	11.53	83.0	42115	8.86	UG/L	95
23)	trans-1,3-Dichloropropene	13.67	75.0	24850	8.86	UG/L	69
24)	cis-1,3-Dichloropropene	12.44	75.0	26629	9.88	UG/L	99
25)	1,1,2-Trichloroethane	13.98	97.0	16528	10.19	UG/L	90
26)	Dibromochloromethane	14.70	129.0	39388	9.40	UG/L	91
27)	Bromoform	17.65	173.0	30604	8.38	UG/L	98
28)	*Chlorobenzene-d5	15.82	117.0	170916	50.00	UG/L	92
29)	4-Methyl-2-Pentanone	12.92	43.0	11185	10.67	UG/L	83
30)	Toluene-d8 (S)	12.90	98.0	50670	12.59	UG/L	91
31)	Toluene	13.02	92.0	29436	11.80	UG/L	95
32)	Tetrachloroethene	14.12	164.0	23363	10.61	UG/L	97
33)	2-Hexanone	14.66	43.0	6250	10.19	UG/L	95
34)	Chlorobenzene	15.88	112.0	39111	11.28	UG/L	96
35)	Ethylbenzene	16.23	106.0	17448	11.04	UG/L	89
36)	Xylene (total)	16.51	106.0	45453	23.60	UG/L	83
36)	Xylene (total)	17.31	106.0	22309	11.58	UG/L	84
37)	Styrene	17.37	104.0	37401	10.88	UG/L	90
38)	Bromofluorobenzene (S)	18.42	95.0	43909	12.57	UG/L	92

QUANT REPORT

Page 2

Operator ID: ANDY
Output File: ^C3191::QT
Data File: >C3191::C4
Name: MSD/C,
Misc: USTD010,L,5.0,USTD010,

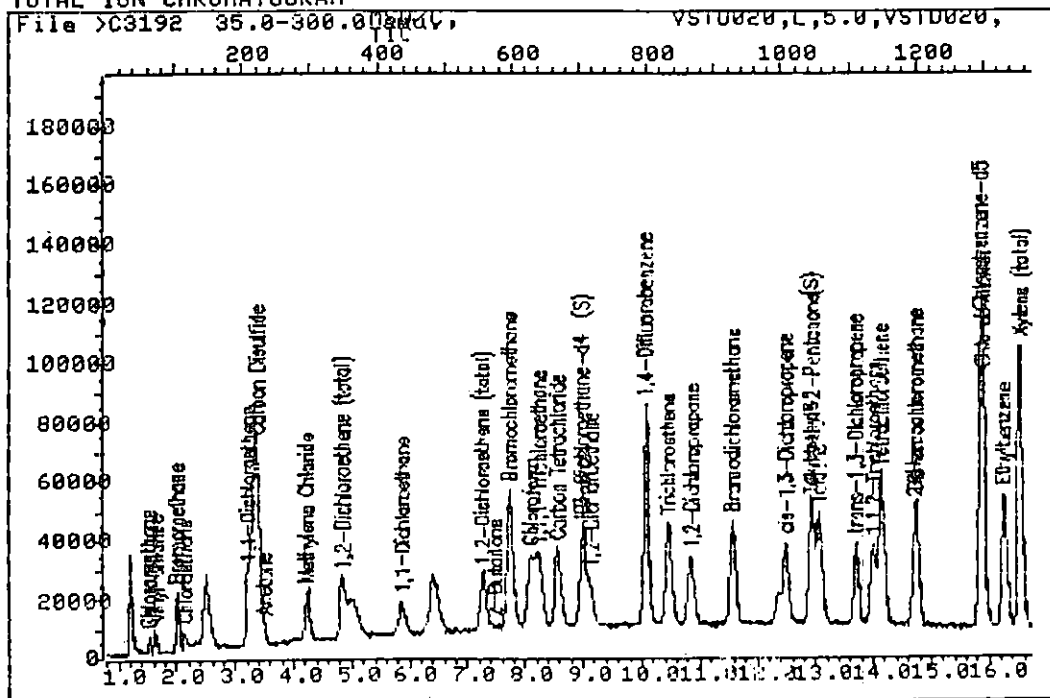
Quant Rev: 7 Quant Time: 940307 11:32
 Injected at: 940307 10:55
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	18.95	83.0	21923	9.54	UG/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >C3192::C4
Name: MSD/C,
Misc: VSTD020,L,5.0,VSTD020,

Quant Output File: ^C3192::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qual Time: <none>

Operator ID: ANDY
Quant Time : 940307 12:18
Injected at: 940307 11:31

Page 1 of 2

TOTAL ION CHROMATOGRAM

File >C3192 35.0-300.00mV, VSTD020,L,5.0,VSTD020,

1400 1600 1800 2000 2200 2400 2600

180000
160000
140000
120000
100000
80000
60000
40000
20000
0

17.01 18.01 19.01 20.01 21.01 22.01 23.01 24.01 25.01 26.01 27.01 28.01 29.01 30.01 31.01 32.01

Ethylbenzene
Xylene (total)
Xylene (total)
Bromobenzene
1,1,2,2-Tetrachloroethane
Bromobenzene
Xylene (total)

Quant Output File: ^C3192::QT
Instrument ID: C

Operator ID: ANDY
Quant Time : 940307 12:18
Injected at: 940307 11:31

96

QUANT REPORT

Page 1

Operator ID: ANDY
 Output File: ^C3192::QT
 Data File: >C3192::C4
 Name: MSD/C,
 Misc: VSTD020,L,5.0,VSTD020,

Quant Rev: 7 Quant Time: 940307 12:18
 Injected at: 940307 11:31
 Dilution Factor: 1.00000
 Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940301 15:50

Last Qcal Time: <none>

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.71	127.9	48004	50.00	UG/L	91
2) Chloromethane	1.50	50.0	9441	15.62	UG/L	91
3) Vinyl Chloride	1.63	62.0	13511	18.18	UG/L	72
4) Bromomethane	1.99	94.0	21958	21.13	UG/L	9c
5) Chloroethane	2.13	64.0	10730	24.47	UG/L	89
6) 1,1-Dichloroethene	3.21	96.0	24635	22.83	UG/L	87
7) Carbon Disulfide	3.37	76.0	66025	22.33	UG/L	97
8) Acetone	3.47	43.0	6416M	31.90	UG/L	
9) Methylene Chloride	4.21	84.0	26556	25.69	UG/L	88
10) 1,2-Dichloroethene (total)	4.82	96.0	28539	20.65	UG/L	79
10) 1,2-Dichloroethene (total)	7.24	96.0	30980	22.42	UG/L	80
11) 1,1-Dichloroethane	5.86	63.0	46315M	20.20	UG/L	90
12) 2-Butanone	7.46	43.0	6185M	26.15	UG/L	
13) Chloroform	8.19	83.0	65743	19.28	UG/L	96
14) 1,2-Dichloroethane	9.12	62.0	48197	17.82	UG/L	95
15) 1,2-Dichloroethane-d4 (S)	8.96	65.0	41279	18.07	UG/L	99
16) *1,4-Difluorobenzene	10.05	114.0	194295	50.00	UG/L	92
17) 1,1,1-Trichloroethane	8.23	97.0	70610	18.47	UG/L	99
18) Carbon Tetrachloride	8.55	117.0	70787	19.61	UG/L	95
19) Benzene	8.59	78.0	64688	20.56	UG/L	98
20) Trichloroethene	10.45	130.0	41093	21.84	UG/L	97
21) 1,2-Dichloropropane	10.84	63.0	25890	20.47	UG/L	89
22) Bromodichloromethane	11.55	83.0	76151	18.70	UG/L	97
23) trans-1,3-Dichloropropene	13.67	75.0	45470	18.91	UG/L	63
24) cis-1,3-Dichloropropene	12.47	75.0	45779	19.82	UG/L	95
25) 1,1,2-Trichloroethane	13.99	97.0	30547	21.98	UG/L	91
26) Dibromochloromethane	14.71	129.0	73599	20.49	UG/L	93
27) Bromoform	17.64	173.0	59946	19.15	UG/L	92
28) *Chlorobenzene-d5	15.82	117.0	167445	50.00	UG/L	96
29) 4-Methyl-2-Pentanone	12.92	43.0	20634	20.10	UG/L	78
30) Toluene-d8 (S)	12.91	98.0	79431	20.15	UG/L	96
31) Toluene	13.03	92.0	49793	20.38	UG/L	97
32) Tetrachloroethene	14.11	164.0	42721	19.79	UG/L	91
33) 2-Hexanone	14.68	43.0	11472	19.09	UG/L	79
34) Chlorobenzene	15.88	112.0	74314	21.87	UG/L	99
35) Ethylbenzene	16.23	106.0	32463	20.97	UG/L	95
36) Xylene (total)	16.51	106.0	85119	45.11	UG/L	87
36) Xylene (total)	17.31	106.0	41335	21.91	UG/L	90
37) Styrene	17.37	104.0	74181	22.03	UG/L	91
38) Bromofluorobenzene (S)	18.42	95.0	72189	21.10	UG/L	95

QUANT REPORT

Page 2

Operator ID: ANDY
Output File: ^C3192::QT
Data File: >C3192::C4
Name: MSD/C,
Misc: USTD020,L,5.0,USTD020,

Quant Rev: 7 Quant Time: 940307 12:18
 Injected at: 940307 11:31
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940301 15:50

Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	18.95	83.0	43759	19.43	UG/L	95

* Compound is ISTD

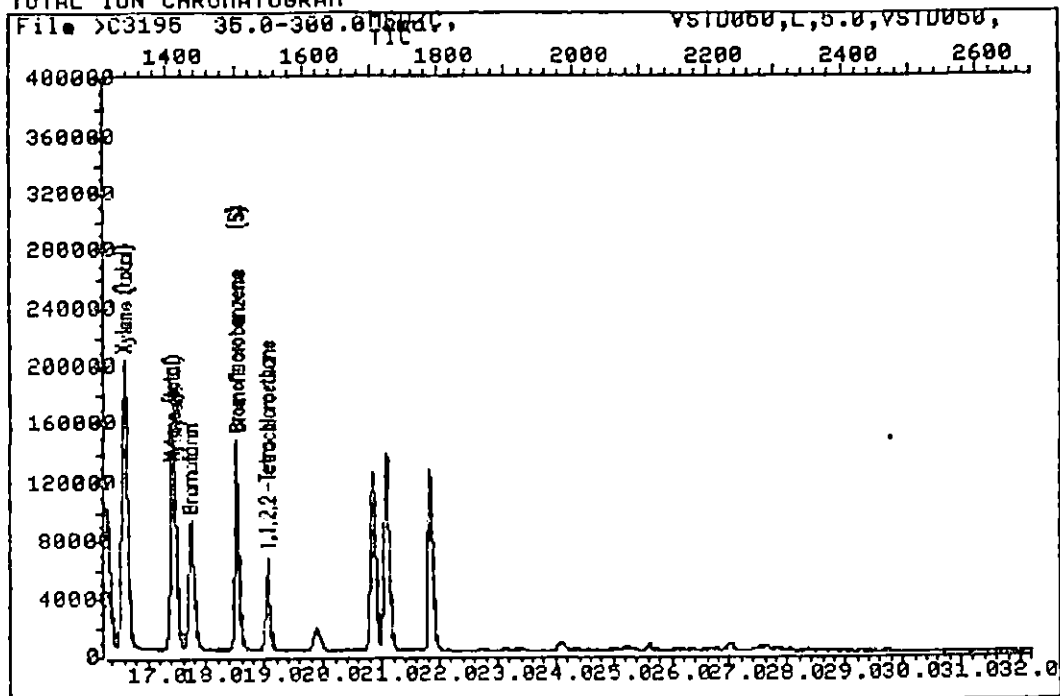
Chromatogram plot showing detector response versus time (minutes). The x-axis ranges from 2.0 to 16.0 minutes. The y-axis ranges from 0 to 400,000. Numerous peaks are labeled with chemical names and retention times. Key peaks include:

- 1,1-Dichloroethane (2.1 min)
- 1,2-Dichloroethane (4.1 min)
- 1,1-Difluoroethane (5.1 min)
- 1,2-Difluoroethane (6.1 min)
- 1,1,1-Trichloroethane (7.1 min)
- 1,1,2-Trichloroethane (8.1 min)
- 1,1,2,2-Tetrachloroethane (9.1 min)
- 1,1,1,2-Tetrachloroethane (10.1 min)
- 1,1,2,2-Tetrachloroethane (11.1 min)
- 1,1,2,2-Tetrachloroethane (12.1 min)
- 1,1,2,2-Tetrachloroethane (13.1 min)
- 1,1,2,2-Tetrachloroethane (14.1 min)
- 1,1,2,2-Tetrachloroethane (15.1 min)
- 1,1,2,2-Tetrachloroethane (16.1 min)

Quant Output File: ^C3195::QT
Instrument ID: C

Operator ID: ANDY
Quant Time : 940307 14:15
Injected at: 940307 13:34

TOTAL ION CHROMATOGRAM



Data File: >C3195::C4
Name: MSD/C,
Misc: VSTD050,L,5.0,VSTD050,

Quant Output File: ^C3195::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qcal Time: <none>

Operator ID: ANDY
Quant Time : 940307 14:15
Injected at: 940307 13:34

Page 2 of 2

Operator ID: ANDY
 Output File: ^C3195::QT
 Data File: >C3195::C4
 Name: MSD/C,
 Misc: VSTD050,L,5.0,VSTD050,

Quant Rev: 7 Quant Time: 940307 14:15
 Injected at: 940307 13:34
 Dilution Factor: 1.00000
 Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940301 15:50

Last Qcal Time: <none>

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.74	127.9	49507	50.00	UG/L	96
2) Chloromethane	1.48	50.0	18842	30.23	UG/L	94
3) Vinyl Chloride	1.60	62.0	27166	35.45	UG/L	77
4) Bromomethane	1.96	94.0	43986	41.04	UG/L	99
5) Chloroethane	2.11	64.0	21641	47.86	UG/L	90
6) 1,1-Dichloroethene	3.18	96.0	47011	42.24	UG/L	83
7) Carbon Disulfide	3.33	76.0	133989	43.94	UG/L	98
8) Acetone	3.48	43.0	9450	45.56	UG/L	99
9) Methylene Chloride	4.18	84.0	54221	50.86	UG/L	87
10) 1,2-Dichloroethene (total)	4.79	96.0	57800	40.56	UG/L	85
10) 1,2-Dichloroethene (total)	7.25	96.0	65235	45.77	UG/L	79
11) 1,1-Dichloroethane	5.85	63.0	97287	41.15	UG/L	96
12) 2-Butanone	7.50	43.0	12945M	53.07	UG/L	
13) Chloroform	8.12	83.0	140104	39.83	UG/L	95
14) 1,2-Dichloroethane	9.16	62.0	110537	39.62	UG/L	99
15) 1,2-Dichloroethane-d4 (S)	9.00	65.0	105664	44.85	UG/L	96
16) *1,4-Difluorobenzene	10.11	114.0	207722	50.00	UG/L	94
17) 1,1,1-Trichloroethane	8.23	97.0	146272	35.79	UG/L	96
18) Carbon Tetrachloride	8.59	117.0	146467	37.95	UG/L	98
19) Benzene	9.03	78.0	139524	41.48	UG/L	94
20) Trichloroethene	10.51	130.0	85122	42.31	UG/L	98
21) 1,2-Dichloropropane	10.89	63.0	55622	41.14	UG/L	89
22) Bromodichloromethane	11.61	83.0	166562	38.26	UG/L	92
23) trans-1,3-Dichloropropene	13.74	75.0	101096	39.33	UG/L	61
24) cis-1,3-Dichloropropene	12.53	75.0	99199	40.17	UG/L	92
25) 1,1,2-Trichloroethane	14.06	97.0	65370	43.99	UG/L	97
26) Dibromochloromethane	14.78	129.0	162896	42.41	UG/L	93
27) Bromoform	17.72	173.0	143339	42.83	UG/L	95
28) *Chlorobenzene-d5	15.91	117.0	169217	50.00	UG/L	93
29) 4-Methyl-2-Pentanone	12.99	43.0	45386	43.75	UG/L	90
30) Toluene-d8 (S)	12.99	98.0	195904	49.17	UG/L	93
31) Toluene	13.10	92.0	103506	41.91	UG/L	98
32) Tetrachloroethene	14.19	164.0	90967	41.71	UG/L	97
33) 2-Hexanone	14.78	43.0	24228	39.90	UG/L	85
34) Chlorobenzene	15.96	112.0	156555	45.59	UG/L	96
35) Ethylbenzene	16.31	106.0	67896	43.39	UG/L	90
36) Xylene (total)	16.59	106.0	179804	94.30	UG/L	85
36) Xylene (total)	17.39	106.0	85921	45.06	UG/L	91
37) Styrene	17.45	104.0	155210	45.62	UG/L	94
38) Bromofluorobenzene (S)	18.51	95.0	171333	49.55	UG/L	97

QUANT REPORT

Page 2

Operator ID: ANDY
Output File: ^C3195::QT
Data File: >C3195::C4
Name: MSD/C,
Misc: USTD050,L,5.0,USTD050,

Quant Rev: 7 Quant Time: 940307 14:15
 Injected at: 940307 13:34
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

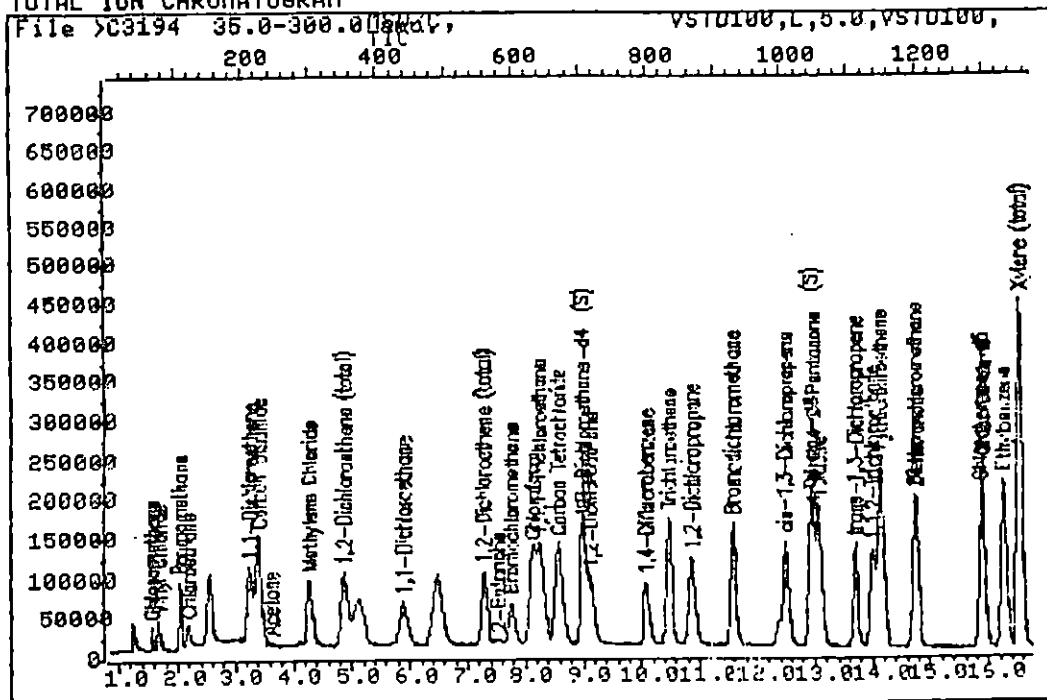
Last Calibration: 940301 15:50

Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	19.03	83.0	103851	45.64	UG/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >C3194::C4
Name: MSD/C,
Misc: VSTD100, L, 5.0, VSTD100,

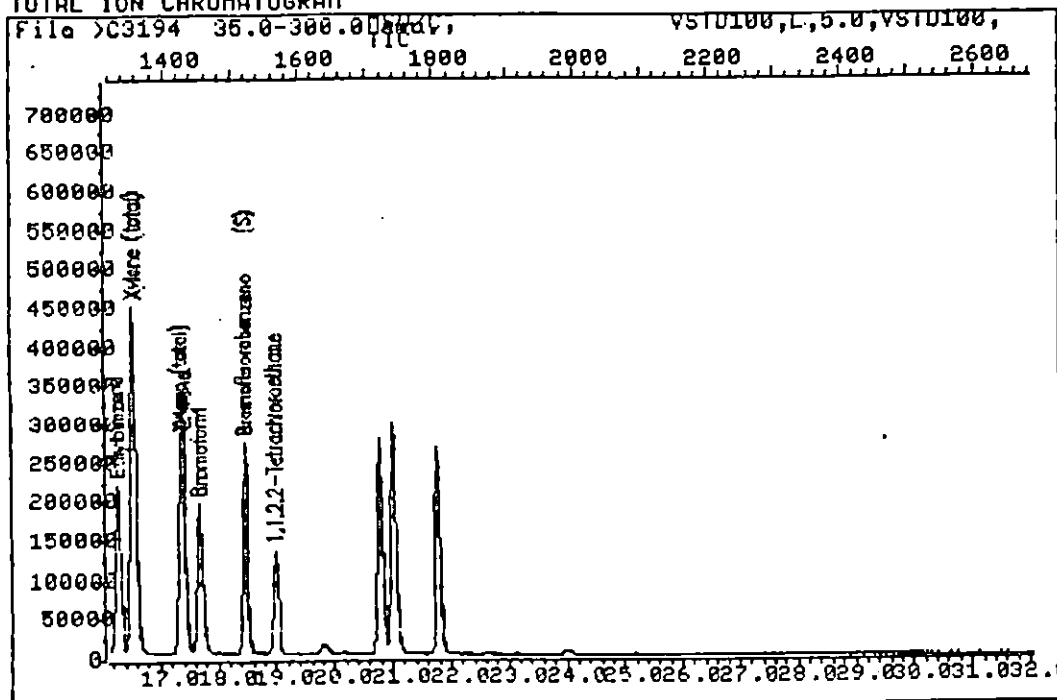
Quant Output File: ^C3194::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qcal Time: <none>

Operator ID: ANDY
Quant Time : 940307 13:37
Injected at: 940307 12:51

Page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >C3194::C4
Name: MSD/C,
Misc: VSTD100, L, 5.0, VSTD100,

Quant Output File: ^C3194::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qcal Time: <none>

Operator ID: ANDY
Quant Time : 940307 13:37
Injected at: 940307 12:51

Page 2 of 2

Operator ID: ANDY
 Output File: ^C3194::QT
 Data File: >C3194::C4
 Name: MSD/C,
 Misc: USTD100,L,5.0,USTD100,

Quant Rev: 7 Quant Time: 940307 13:37
 Injected at: 940307 12:51
 Dilution Factor: 1.00000
 Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940301 15:50

Last Qcal Time: <none>

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.74	127.9	52066	50.00	UG/L	93
2) Chloromethane	1.55	50.0	44484	67.87	UG/L	99
3) Vinyl Chloride	1.67	62.0	63765	79.13	UG/L	77
4) Bromomethane	2.03	94.0	92289	81.88	UG/L	94
5) Chloroethane	2.18	64.0	48351	101.67	UG/L	84
6) 1,1-Dichloroethene	3.25	96.0	108218	92.46	UG/L	93
7) Carbon Disulfide	3.40	76.0	310277	96.74	UG/L	99
8) Acetone	3.61	43.0	19087	87.49	UG/L	90
9) Methylene Chloride	4.27	84.0	118462	105.67	UG/L	91
10) 1,2-Dichloroethene (total)	4.86	96.0	131987	88.06	UG/L	86
10) 1,2-Dichloroethene (total)	7.26	96.0	144895	96.67	UG/L	80
11) 1,1-Dichloroethane	5.88	63.0	219141	88.14	UG/L	98
12) 2-Butanone	7.52	43.0	26917	104.93	UG/L	80
13) Chloroform	8.11	83.0	309700	83.72	UG/L	97
14) 1,2-Dichloroethane	9.12	62.0	232269	79.17	UG/L	95
15) 1,2-Dichloroethane-d4 (S)	8.97	65.0	199348	80.45	UG/L	98
16) *1,4-Difluorobenzene	10.08	114.0	217242	50.00	UG/L	92
17) 1,1,1-Trichloroethane	8.23	97.0	320129	74.90	UG/L	99
18) Carbon Tetrachloride	8.57	117.0	325561	80.65	UG/L	98
19) Benzene	9.01	78.0	308185	87.60	UG/L	95
20) Trichloroethene	10.46	130.0	184006	87.46	UG/L	96
21) 1,2-Dichloropropane	10.84	63.0	122285	86.49	UG/L	91
22) Bromodichloromethane	11.55	83.0	353977	77.75	UG/L	96
23) trans-1,3-Dichloropropene	13.68	75.0	215855	80.29	UG/L	70
24) cis-1,3-Dichloropropene	12.47	75.0	217187	84.10	UG/L	95
25) 1,1,2-Trichloroethane	13.59	97.0	139500	89.77	UG/L	91
26) Dibromochloromethane	14.71	129.0	337308	83.97	UG/L	93
27) Bromoform	17.65	173.0	302793	86.51	UG/L	98
28) *Chlorobenzene-d5	15.85	117.0	183833	50.00	UG/L	92
29) 4-Methyl-2-Pentanone	12.96	43.0	97489	86.50	UG/L	94
30) Toluene-d8 (S)	12.92	98.0	372689	86.11	UG/L	97
31) Toluene	13.05	92.0	233074	86.87	UG/L	97
32) Tetrachloroethene	14.12	164.0	198268	83.68	UG/L	99
33) 2-Hexanone	14.72	43.0	59994	90.95	UG/L	86
34) Chlorobenzene	15.90	112.0	340311	91.23	UG/L	96
35) Ethylbenzene	16.25	106.0	154021	90.61	UG/L	90
36) Xylene (total)	16.53	106.0	394729	190.55	UG/L	86
36) Xylene (total)	17.33	106.0	190870	92.14	UG/L	91
37) Styrene	17.39	104.0	338712	91.64	UG/L	95
38) Bromofluorobenzene (S)	18.45	95.0	325717	86.71	UG/L	92

QUANT REPORT

Page 2

Operator ID: ANDY
Output File: ^C3194::QT
Data File: >C3194::C4
Name: MSD/C,
Misc: VSTD100,L,5.0,VSTD100,

Quant Rev: 7 Quant Time: 940307 13:37
 Injected at: 940307 12:51
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

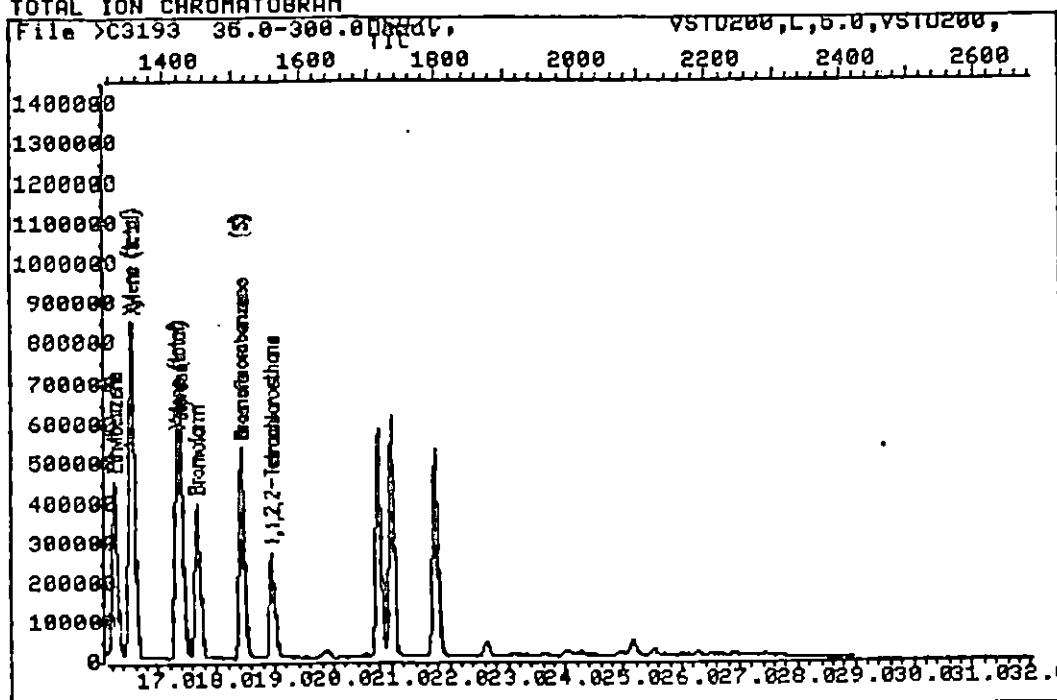
Last Calibration: 940301 15:50

Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	18.96	83.0	217179	87.86	UG/L	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >C3193::C4
Name: MSD/C,
Misc: VSTD200,L,5.0,VSTD200,

Quant Output File: ^C3193::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940301 15:50 Last Qcal Time: <none>

Operator ID: ANDY
Quant Time : 940307 12:48
Injected at: 940307 12:09

Page 2 of 2

Operator ID: ANDY
 Output File: ^C3193::QT
 Data File: >C3193::C4
 Name: MSD/C,
 Misc: USTD200,L,5.0,USTD200,

Quant Rev: 7 Quant Time: 940307 12:48
 Injected at: 940307 12:09
 Dilution Factor: 1.00000
 Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940301 15:50

Last Qcal Time: <none>

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.77	127.9	53031	50.00	UG/L	88
2) Chloromethane	1.60	50.0	107550	161.10	UG/L	99
3) Vinyl Chloride	1.73	62.0	143569	174.91	UG/L	77
4) Bromomethane	2.08	94.0	188392	164.11	UG/L	96
5) Chloroethane	2.23	64.0	94727	195.56	UG/L	90
6) 1,1-Dichloroethene	3.30	96.0	218882	183.60	UG/L	90
7) Carbon Disulfide	3.45	76.0	638266	195.38	UG/L	96
8) Acetone	3.57	43.0	38538	173.43	UG/L	95
9) Methylene Chloride	4.33	84.0	244917	214.49	UG/L	94
10) 1,2-Dichloroethene (total)	4.93	96.0	270549	177.22	UG/L	85
10) 1,2-Dichloroethene (total)	7.31	96.0	301701	197.62	UG/L	78
11) 1,1-Dichloroethane	5.94	63.0	452717	178.76	UG/L	96
12) 2-Butanone	7.56	43.0	58118	222.43	UG/L	88
13) Chloroform	8.14	83.0	631533	167.62	UG/L	97
14) 1,2-Dichloroethane	9.14	62.0	469886	157.24	UG/L	96
15) 1,2-Dichloroethane-d4 (S)	9.31	65.0	363049	143.85	UG/L	97
16) *1,4-Difluorobenzene	10.09	114.0	211946	50.00	UG/L	94
17) 1,1,1-Trichloroethane	8.28	97.0	644266	154.50	UG/L	97
18) Carbon Tetrachloride	8.58	117.0	650707	165.23	UG/L	98
19) Benzene	9.04	78.0	649421	189.22	UG/L	94
20) Trichloroethene	10.48	130.0	381149	185.68	UG/L	99
21) 1,2-Dichloropropane	10.85	63.0	260851	189.11	UG/L	95
22) Bromodichloromethane	11.57	83.0	731437	164.66	UG/L	99
23) trans-1,3-Dichloropropene	13.68	75.0	448673	171.05	UG/L	66
24) cis-1,3-Dichloropropene	12.49	75.0	453898	180.16	UG/L	95
25) 1,1,2-Trichloroethane	14.01	97.0	283271	186.84	UG/L	93
26) Dibromochloromethane	14.74	129.0	717798	183.16	UG/L	91
27) Bromoform	17.66	173.0	623801	182.68	UG/L	99
28) *Chlorobenzene-d5	15.85	117.0	174668	50.00	UG/L	94
29) 4-Methyl-2-Pentanone	12.98	43.0	187888	175.45	UG/L	80
30) Toluene-d8 (S)	12.94	98.0	713920	173.61	UG/L	94
31) Toluene	13.06	92.0	479075	187.93	UG/L	97
32) Tetrachloroethene	14.14	164.0	401724	178.44	UG/L	98
33) 2-Hexanone	14.71	43.0	111752	178.31	UG/L	95
34) Chlorobenzene	15.90	112.0	708260	199.82	UG/L	99
35) Ethylbenzene	16.25	106.0	317075	196.31	UG/L	90
36) Xylene (total)	16.54	106.0	830126	421.76	UG/L	60
36) Xylene (total)	17.33	106.0	400280	203.37	UG/L	89
37) Styrene	17.39	104.0	694173	197.67	UG/L	91
38) Bromofluorobenzene (S)	18.43	95.0	639783	179.25	UG/L	90

QUANT REPORT

Page 2

Operator ID: ANDY
Output File: ^C3193::QT
Data File: >C3193::C4
Name: MSD/C,
Misc: USTD200,L,5.0,USTD200,

Quant Rev: 7 Quant Time: 940307 12:48
 Injected at: 940307 12:09
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940301 15:50

Last Qual Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	18.95	83.0	449974	191.59	UG/L	90

* Compound is ISTD

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.:

SAS No.:

SDG No:

Instrument ID: MSD/B

Calibration Date(s): 03/14/94 Time: 10:23

Lab File ID: >B3248

Init. Cali. Date(s): 03/02/94 03/02/94

Heated Purge: (Y/N) Y

Init. Calib.Times: 15:37 21:50

GC Column: CAP ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN	%D	MAX
Chloromethane	.8792	.7243		17.62	
Bromomethane	.9726	.7721	0.100	20.61	25.0
Vinyl Chloride	.9019	.7729	0.100	14.30	25.0
Chloroethane	.5326	.4721		11.36	
Methylene Chloride	1.2190	1.2840		5.33	
Acetone	.2575	.2824		9.67	
Carbon Disulfide	2.5764	2.5910		.57	
1,1-Dichloroethene	.8599	.8278	0.100	3.73	25.0
1,1-Dichloroethane	2.0257	2.1230	0.200	4.80	25.0
1,2-Dichloroethene (total)	1.2633	1.1750		6.99	
Chloroform	2.4186	2.4030	0.200	.65	25.0
1,2-Dichloroethane	1.6836	1.6420	0.100	2.47	25.0
2-Butanone	.5741	.5848		1.86	
1,1,1-Trichloroethane	.5897	.5472	0.100	7.21	25.0
Carbon Tetrachloride	.5729	.5357	0.100	6.49	25.0
Bromodichloromethane	.7894	.7430	0.200	5.88	25.0
1,2-Dichloropropane	.3561	.3477		2.36	
cis-1,3-Dichloropropene	.5153	.5130	0.200	.45	25.0
Trichloroethene	.4503	.4270	0.300	5.17	25.0
Dibromochloromethane	.8447	.7626	0.100	9.72	25.0
1,1,2-Trichloroethane	.3922	.3709	0.100	5.43	25.0
Benzene	.8309	.8443	0.500	1.61	25.0
trans-1,3-Dichloropropene	.4746	.4487	0.100	5.46	25.0
Bromoform	.8316	.7521	0.100	9.56	25.0
4-Methyl-2-Pentanone	.5528	.5273		4.61	
2-Hexanone	.3841	.3458		9.97	
Tetrachloroethene	.5640	.5883	0.200	4.31	25.0
1,1,2,2-Tetrachloroethane	.8800	.8057	0.500	8.44	25.0
Toluene	.6897	.6862	0.400	.51	25.0
Chlorobenzene	.9601	.9198	0.500	4.20	25.0
Ethylbenzene	.4295	.4201	0.100	2.19	25.0
Styrene	.9418	.8938	0.300	5.10	25.0
Xylene (total)	.5267	.5086	0.300	3.44	25.0
Toluene-d8 (S)	1.0656	1.0760		.98	
Bromofluorobenzene (S)	1.0045	.9696	0.200	3.47	25.0
1,2-Dichloroethane-d4 (S)	1.4210	1.4570		2.53	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI Contract:
 Lab Code: LRI Case No.: SAS No.: SDG No:
 Instrument ID: MSD/B Calibration Date(s): 03/16/94 Time: 13:20
 Lab File ID: >B3271 Init. Cali. Date(s): 03/02/94 03/02/94
 Heated Purge: (Y/N) Y Init. Calib. Times: 15:37 21:50
 GC Column: CAP ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN	%D	MAX
Chloromethane	.8792	.9386		6.76	
Bromomethane	.9726	1.0270	0.100	5.59	25.0
Vinyl Chloride	.9019	.9737	0.100	7.96	25.0
Chloroethane	.5326	.5682		6.68	
Methylene Chloride	1.2190	1.4820		21.58	
Acetone	.2575	.3211		24.70	
Carbon Disulfide	2.5764	2.9100		12.95	
1,1-Dichloroethene	.8599	.9416	0.100	9.50	25.0
1,1-Dichloroethane	2.0257	1.9650	0.200	3.00	25.0
1,2-Dichloroethene (total)	1.2633	1.0660		15.62	
Chloroform	2.4186	2.2300	0.200	7.80	25.0
1,2-Dichloroethane	1.6836	1.6180	0.100	3.90	25.0
2-Butanone	.5741	.6590		14.79	
1,1,1-Trichloroethane	.5897	.5073	0.100	13.97	25.0
Carbon Tetrachloride	.5729	.4952	0.100	13.56	25.0
Bromodichloromethane	.7894	.7538	0.200	4.51	25.0
1,2-Dichloropropane	.3561	.3803		6.80	
cis-1,3-Dichloropropene	.5153	.5750	0.200	11.59	25.0
Trichloroethene	.4503	.4456	0.300	1.04	25.0
Dibromochloromethane	.8447	.8258	0.100	2.24	25.0
1,1,2-Trichloroethane	.3922	.4134	0.100	5.41	25.0
Benzene	.8309	.9301	0.500	11.94	25.0
trans-1,3-Dichloropropene	.4746	.5086	0.100	7.16	25.0
Bromoform	.8316	.8214	0.100	1.23	25.0
4-Methyl-2-Pentanone	.5528	.5752		4.05	
2-Hexanone	.3841	.3841		0.00	
Tetrachloroethene	.5640	.6081	0.200	7.82	25.0
1,1,2,2-Tetrachloroethane	.8800	.8570	0.500	2.61	25.0
Toluene	.6897	.7203	0.400	4.44	25.0
Chlorobenzene	.9601	.9671	0.500	.73	25.0
Ethylbenzene	.4295	.4471	0.100	4.10	25.0
Styrene	.9418	.9405	0.300	.14	25.0
Xylene (total)	.5267	.5378	0.300	2.11	25.0
Toluene-d8 (S)	1.0656	1.0600		.53	
Bromofluorobenzene (S)	1.0045	1.0100	0.200	.55	25.0
1,2-Dichloroethane-d4 (S)	1.4210	1.3510		4.93	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI Contract:
Lab Code: LRI Case No.: SAS No.: SDG No:
Instrument ID: MSD/C Calibration Date(s): 03/21/94 Time: 10:16
Lab File ID: >C3334 Init. Cali. Date(s): 03/07/94 03/07/94
Heated Purge: (Y/N) N Init. Calib. Times: 10:55 13:34
GC Column: CAP ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN	%D	MAX
Chloromethane	.4800	.4474		6.79	
Bromomethane	1.0173	1.0330	0.100	1.54	25.0
Vinyl Chloride	.6813	.6421	0.100	5.75	25.0
Chloroethane	.5159	.5118		.79	
Methylene Chloride	1.2458	1.0820		13.15	
Acetone	.2260	.1487		34.20	
Carbon Disulfide	3.1754	2.7280		14.09	
1,1-Dichloroethene	1.1282	.9834	0.100	12.83	25.0
1,1-Dichloroethane	2.2315	1.4660	0.200	34.30	25.0
1,2-Dichloroethene (total)	1.4770	1.3030		11.78	
Chloroform	3.1255	2.9200	0.200	6.57	25.0
1,2-Dichloroethane	2.3158	2.1500	0.100	7.16	25.0
2-Butanone	.2761	.2012		27.13	
1,1,1-Trichloroethane	.7996	.7623	0.100	4.66	25.0
Carbon Tetrachloride	.7985	.7482	0.100	6.30	25.0
Bromodichloromethane	.8776	.8407	0.200	4.20	25.0
1,2-Dichloropropane	.3008	.2829		5.95	
cis-1,3-Dichloropropene	.5378	.5137	0.200	4.48	25.0
Trichloroethene	.4699	.4160	0.300	11.47	25.0
Dibromochloromethane	.8446	.7734	0.100	8.43	25.0
1,1,2-Trichloroethane	.3455	.3045	0.100	11.87	25.0
Benzene	.7654	.7176	0.500	6.25	25.0
trans-1,3-Dichloropropene	.5292	.5016	0.100	5.22	25.0
Bromoform	.7138	.6515	0.100	8.73	25.0
4-Methyl-2-Pentanone	.2875	.2316		19.44	
2-Hexanone	.1641	.1372		16.39	
Tetrachloroethene	.5946	.5270	0.200	11.37	25.0
1,1,2,2-Tetrachloroethane	.6286	.5593	0.500	11.02	25.0
Toluene	.7072	.6532	0.400	7.64	25.0
Chlorobenzene	1.0236	.9284	0.500	9.30	25.0
Ethylbenzene	.4538	.4268	0.100	5.95	25.0
Styrene	1.0067	.9295	0.300	7.67	25.0
Xylene (total)	.5739	.5291	0.300	7.81	25.0
Toluene-d8 (S)	1.1723	1.0650		9.15	
Bromofluorobenzene (S)	1.0353	1.0110	0.200	2.35	25.0
1,2-Dichloroethane-d4 (S)	2.0070	1.9430		3.19	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI Contract:
 Lab Code: LRI Case No.: SAS No.: SDG No:
 Instrument ID: MSD/C Calibration Date(s): 03/23/94 Time: 08:51
 Lab File ID: >C3373 Init. Cali. Date(s): 03/07/94 03/07/94
 Heated Purge: (Y/N) N Init. Calib.Times: 10:55 13:34
 GC Column: CAP. ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN	%D	MAX
Chloromethane	.4900	.3797		20.90	
Bromomethane	1.0173	.9125	0.100	10.30	25.0
Vinyl Chloride	.6313	.5613	0.100	17.61	25.0
Chloroethane	.5153	.4763		7.68	
Methylene Chloride	1.2458	1.0460		16.04	
Acetone	.2260	.1625		28.10	
Carbon Disulfide	3.1754	2.5300		20.32	
1,1-Dichloroethene	1.1282	.9446	0.100	16.27	25.0
1,1-Dichloroethane	2.2315	2.0130	0.200	9.79	25.0
1,2-Dichloroethene (total)	1.4770	1.1640		21.19	
Chloroform	3.1255	2.8740	0.200	8.05	25.0
1,2-Dichloroethane	2.3153	2.1640	0.100	6.55	25.0
2-Butanone	.2761	.1924		30.32	
1,1,1-Trichloroethane	.7996	.7519	0.100	5.97	25.0
Carbon Tetrachloride	.7985	.7146	0.100	10.51	25.0
Bromodichloromethane	.8776	.8160	0.200	7.02	25.0
1,2-Dichloropropane	.3009	.2725		9.41	
cis-1,3-Dichloropropene	.5378	.4968	0.200	7.62	25.0
Trichloroethene	.4699	.4033	0.300	14.17	25.0
Dibromochloromethane	.8446	.7442	0.100	11.89	25.0
1,1,2-Trichloroethane	.7455	.2943	0.100	14.82	25.0
Benzene	.7554	.6871	0.500	10.23	25.0
trans-1,3-Dichloropropene	.5292	.4884	0.100	7.71	25.0
Bromoform	.7138	.6022	0.100	15.63	25.0
4-Methyl-2-Pentanone	.2875	.2121		26.23	
2-Hexanone	.1641	.1221		25.59	
Tetrachloroethene	.5946	.5038	0.200	15.27	25.0
1,1,1,2,2-Tetrachloroethane	.6286	.5162	0.500	17.88	25.0
Toluene	.7072	.6261	0.400	11.47	25.0
Chlorobenzene	1.0236	.8892	0.500	13.13	25.0
Ethylbenzene	.4538	.4006	0.100	11.72	25.0
Styrene	1.0067	.9018	0.300	10.42	25.0
Xylene (total)	.5739	.5017	0.300	12.58	25.0
Toluene-d8 (S)	1.1723	1.0690		8.81	
Bromofluorobenzene (S)	1.0353	1.0070	0.200	2.73	25.0
1,2-Dichloroethane-d4 (S)	2.0070	2.0130		.30	

All other compounds must meet a minimum RRF of 0.010.

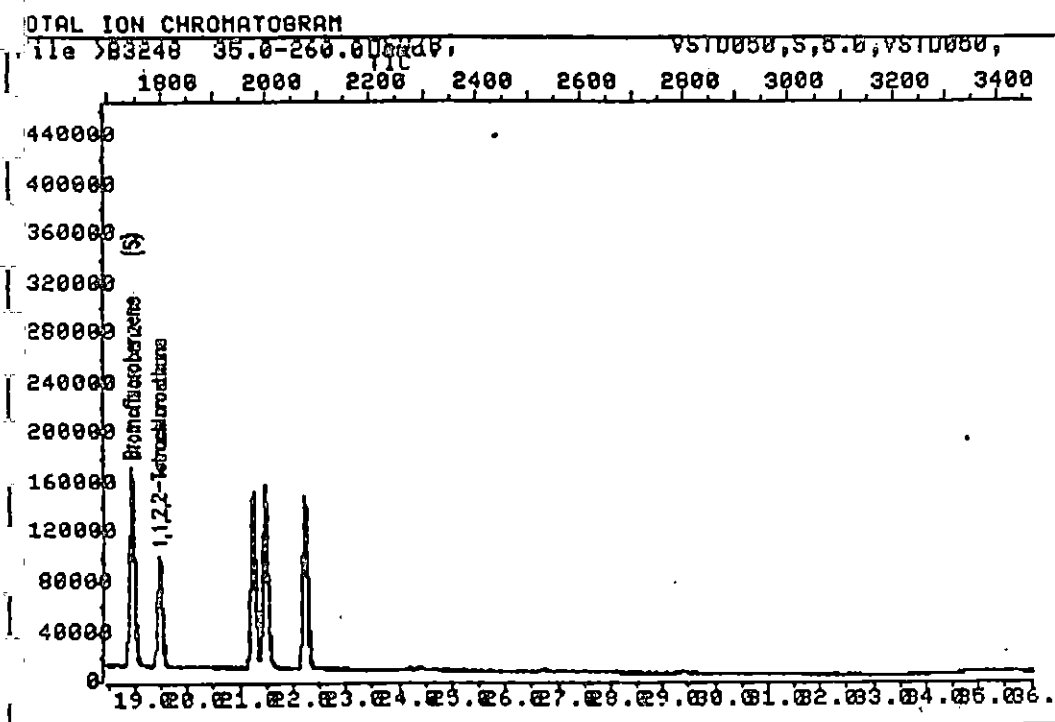
[illegible]

Quant Output File: ^B3248::QT
Instrument ID: B

Id File: IDB703.LCZ
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940310 11:17

Operator ID: EILEEN
Quant Time : 940314 11:00
Injected at: 940314 10:23

Page 1 of 2



Data File: >B3248::B1
Name: MSD/B,
Misc: VSTD050,S,5.0,VSTD050,

Quant Output File: ^B3248::QT
Instrument ID: B

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940310 11:17

Operator ID: EILEEN
Quant Time : 940314 11:00
Injected at: 940314 10:23

Page 2 of 2

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3248::QT
 Sample File: >B3248::B1
 Sample: MSD/B,
 Disc: USTD050,S,5.0,USTD050,

Quant Rev: 7 Quant Time: 940314 11:00
 Injected at: 940314 10:23
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940310 11:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	8.52	127.9	62336	50.00	UG/L	82
2)	Chloromethane	2.01	50.0	45154	42.52	UG/L	98
3)	Vinyl Chloride	2.16	62.0	48182	44.60	UG/L	80
4)	Bromomethane	2.57	94.0	48131	46.40	UG/L	99
5)	Chloroethane	2.75	64.0	29434	50.55	UG/L	86
6)	1,1-Dichloroethane	3.98	96.0	51607	61.18	UG/L	90
7)	Carbon Disulfide	4.16	76.0	161550	47.78	UG/L	99
8)	Acetone	4.51	43.0	17607	46.54	UG/L	84
9)	Methylene Chloride	5.21	84.0	80078	50.93	UG/L	92
10)	1,2-Dichloroethene (total)	5.81	96.0	73300	48.91	UG/L	92
11)	1,2-Dichloroethene (total)	8.07	96.0	81440	54.34	UG/L	81
12)	1,1-Dichloroethane	6.78	63.0	132352	52.88	UG/L	99
13)	2-Butanone	8.37	43.0	36458	46.32	UG/L	86
14)	Chloroform	8.87	83.0	149843	54.18	UG/L	96
15)	1,2-Dichloroethane	9.83	62.0	102354	53.87	UG/L	99
16)	1,2-Dichloroethane-d4 (S)	9.70	65.0	90881	51.31	UG/L	90
17)	*1,4-Difluorobenzene	10.70	114.0	239068	50.00	UG/L	95
18)	1,1,1-Trichloroethane	8.95	97.0	130829M	53.85	UG/L	89
19)	Carbon Tetrachloride	9.27	117.0	128071	55.39	UG/L	98
20)	Benzene	9.71	78.0	201846	51.49	UG/L	97
21)	Trichloroethene	11.06	130.0	102095	52.98	UG/L	97
22)	1,2-Dichloropropane	11.45	63.0	83143	49.73	UG/L	97
23)	Bromodichloromethane	12.15	83.0	177649	51.75	UG/L	97
24)	trans-1,3-Dichloropropene	14.23	75.0	107275	49.24	UG/L	68
25)	cis-1,3-Dichloropropene	13.03	75.0	122644	49.91	UG/L	98
26)	1,1,2-Trichloroethane	14.54	97.0	88683	49.87	UG/L	98
27)	Dibromochloromethane	15.26	129.0	182320	51.05	UG/L	97
28)	Bromoform	18.16	173.0	179824	50.60	UG/L	98
29)	*Chlorobenzene-d5	16.37	117.0	201562	50.00	UG/L	94
30)	4-Methyl-2-Pentanone	13.52	43.0	106301	50.25	UG/L	84
31)	Toluene-d8 (S)	13.47	98.0	216907	50.80	UG/L	94
32)	Toluene	13.59	92.0	138320	52.89	UG/L	97
33)	Tetrachloroethene	14.64	164.0	118592	55.91	UG/L	96
34)	2-Hexanone	15.22	43.0	69703	48.30	UG/L	94
35)	Chlorobenzene	16.42	112.0	185409	53.52	UG/L	98
36)	Ethylbenzene	16.76	106.0	84678	53.47	UG/L	93
37)	Xylene (total)	17.03	106.0	211611	110.80	UG/L	88
38)	Xylene (total)	17.82	106.0	102532	53.69	UG/L	93
39)	Styrene	17.88	104.0	180158	51.88	UG/L	92
40)	Bromofluorobenzene (S)	18.93	95.0	195434	50.97	UG/L	96

QUANT REPORT

Page 2

Operator ID: EILEEN
Output File: ^B3248::QT
Data File: >B3248::B1
Meth: MSD/B,
Disc: USTD050,S,5.0,USTD050,

Quant Rev: 7 Quant Time: 940314 11:00
 Injected at: 940314 10:23
Dilution Factor: 1.00000
Instrument ID: B

File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940310 11:17

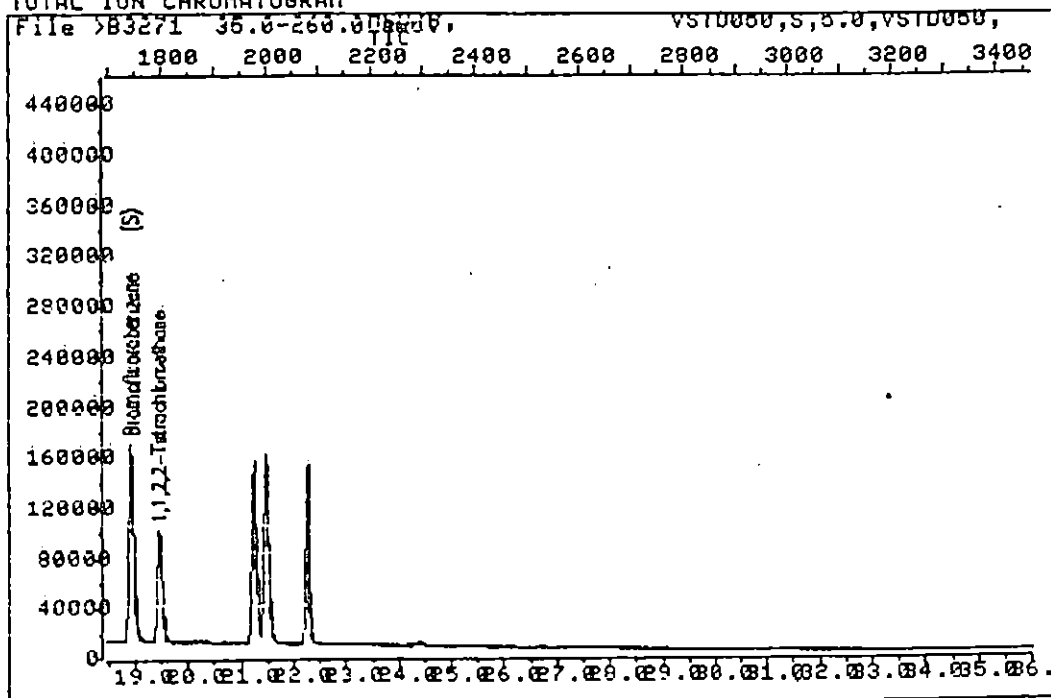
	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	19.44	83.0	162413	50.78	UG/L	94

Compound is ISTD

Quart: Output File: ^83271::QT
Instrument ID: B

Operator ID: EILEEN
Quant Time : 940316 13:57
Injected at: 940316 13:20

TOTAL ION CHROMATOGRAM



Data File: >B3271::B1
Name: MSD/B,
Misc: VSTD050,S,5.0,VSTD050,

Quant Output File: ^B3271::QT
Instrument ID: B

Id File: IDB90S::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940126 15:13 Last Qcal Time: 940314 10:23

Operator ID: EILEEN
Quant Time : 940316 13:57
Injected at: 940316 13:20

Page 2 of 2

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3271::QT
 Data File: >B3271::B1
 Name: MSD/B,
 Misc: USTD050,S,5.0,USTD050,

Quant Rev: 7 Quant Time: 940316 13:57
 Injected at: 940316 13:20
 Dilution Factor: 1.00000
 Instrument ID: B

ID File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940314 10:23

	Compound	R.T.	Q 10n	Area	Conc	Units	q
1)	*Bromochloromethane	8.54	127.9	53241	50.00	UG/L	77
2)	Chloromethane	2.00	50.0	49977	64.79	UG/L	94
3)	Vinyl Chloride	2.16	62.0	51844	62.99	UG/L	82
4)	Bromomethane	2.57	94.0	54711	66.54	UG/L	97
5)	Chloroethane	2.75	64.0	30252	60.17	UG/L	88
6)	1,1-Dichloroethene	3.98	96.0	50136	56.87	UG/L	86
7)	Carbon Disulfide	4.17	76.0	154976	56.16	UG/L	92
8)	Acetone	4.56	43.0	17100	56.86	UG/L	78
9)	Methylene Chloride	5.22	84.0	78940	57.71	UG/L	82
10)	1,2-Dichloroethene (total)	5.81	96.0	56774	40.81	UG/L	93
10)	1,2-Dichloroethene (total)	8.08	96.0	64367	46.27	UG/L	84
11)	1,1-Dichloroethane	6.78	63.0	104646	46.29	UG/L	99
12)	2-Butanone	8.17	43.0	35087	56.34	UG/L	81
13)	Chloroform	8.87	83.0	118760	46.40	UG/L	93
14)	1,2-Dichloroethane	9.84	62.0	86176	49.29	UG/L	96
15)	1,2-Dichloroethane-d4 (S)	9.69	65.0	71961	46.35	UG/L	88
16)	*1,4-Difluorobenzene	10.71	114.0	221396	50.00	UG/L	98
17)	1,1,1-Trichloroethane	8.98	97.0	112326	46.36	UG/L	94
18)	Carbon Tetrachloride	9.28	117.0	109646	46.22	UG/L	96
19)	Benzene	9.72	78.0	205923	55.08	UG/L	99
20)	Trichloroethene	11.06	130.0	98671	52.18	UG/L	98
21)	1,2-Dichloropropane	11.46	63.0	84198	54.68	UG/L	96
22)	Bromodichloromethane	12.15	83.0	166899	50.72	UG/L	99
23)	trans-1,3-Dichloropropene	14.23	75.0	112612	56.68	UG/L	64
24)	cis-1,3-Dichloropropene	13.33	75.0	127316	56.05	UG/L	97
25)	1,1,2-Trichloroethane	14.54	97.0	91525	55.72	UG/L	99
26)	Dibromochloromethane	15.26	129.0	182841	54.15	UG/L	98
27)	Bromoform	18.17	173.0	181872	54.61	UG/L	97
28)	*Chlorobenzene-d5	16.38	117.0	194368	50.00	UG/L	99
29)	4-Methyl-2-Pentanone	13.52	43.0	111807	54.54	UG/L	88
30)	Toluene-d8 (S)	13.48	98.0	206023	49.25	UG/L	96
31)	Toluene	13.60	92.0	140017	52.49	UG/L	97
32)	Tetrachloroethene	14.65	164.0	118196	51.68	UG/L	99
33)	2-Hexanone	15.23	43.0	74670	55.55	UG/L	92
34)	Chlorobenzene	16.43	112.0	187980	52.57	UG/L	99
35)	Ethylbenzene	16.77	106.0	86916	53.22	UG/L	99
36)	Xylene (total)	17.04	106.0	212807	107.62	UG/L	97
36)	Xylene (total)	17.83	106.0	104542	52.87	UG/L	91
37)	Styrene	17.89	104.0	182809	52.61	UG/L	97
38)	Bromofluorobenzene (S)	18.93	95.0	196445	52.12	UG/L	97

QUANT REPORT

Page 2

Operator ID: EILEEN
Output File: ^B3271::QT
Data File: >B3271::B1
Name: MSD/B,
Misc: USTD050,S,5.0,USTD050,

Quant Rev: 7 Quant Time: 940316 13:57
 Injected at: 940316 13:20
Dilution Factor: 1.00000
Instrument ID: B

ID File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

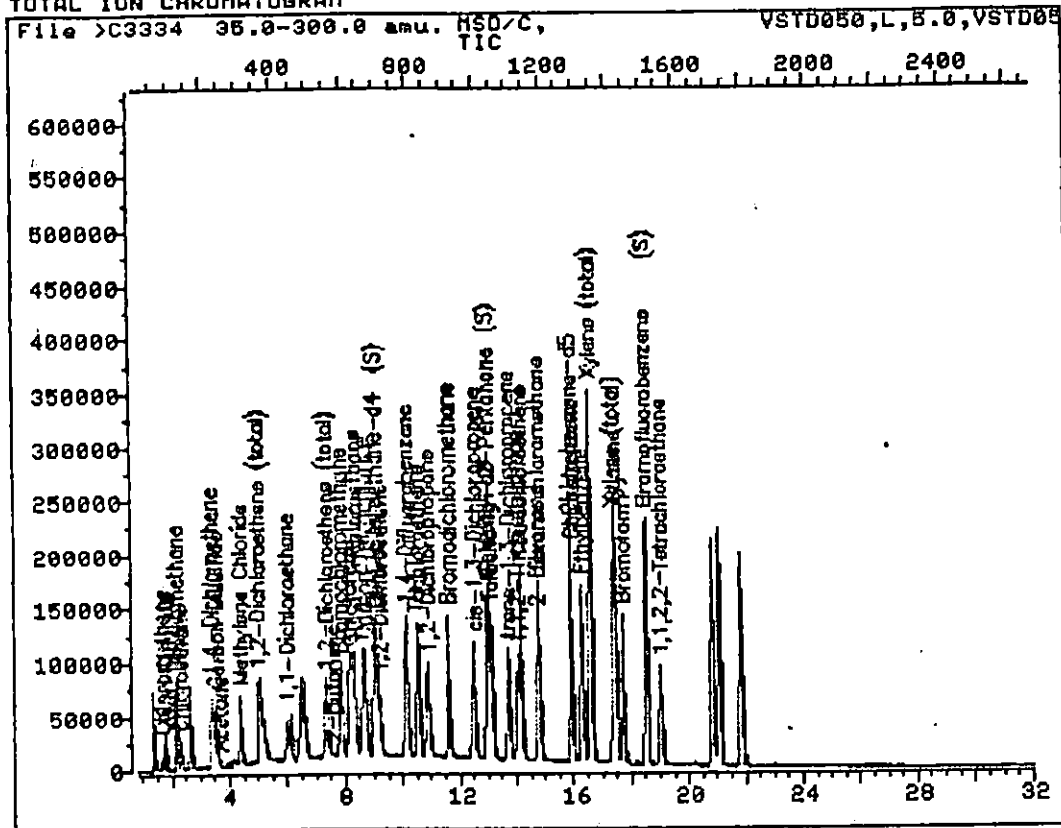
Last Calibration: 940126 15:13

Last Qcal Time: 940314 10:23

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	19.45	83.0	166576	53.18	UG/L	9

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >C3334::C4
 Name: MSD/C,
 Misc: USTD050,L,5.0,VSTD050,

Quant Output File: ^C3334::QT
 Instrument ID: C

Id File: IDC90L::C2
 Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
 Last Calibration: 940307 14:32
 Last Qcal Time: 940310 11:13

Operator ID: ANDY
 Quant Time : 940321 11:01
 Injected at: 940321 10:16

QUANT REPORT

Page 1

Operator ID: ANDY
 Output File: ^C3334::QT
 Data File: >C3334::C4
 Name: MSD/C,
 Misc: VSTD050,L,5.0,VSTD050,

Quant Rev: 7 Quant Time: 940321 11:01
 Injected at: 940321 10:16
 Dilution Factor: 1.00000
 Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940310 11:13

Compound	R.T.	Q ion.	Area	Conc	Units	q
1) *Bromochloromethane	7.79	127.9	83646	50.00	UG/L	91
2) Chloromethane	1.66	50.0	37425	42.45	UG/L	98
3) Vinyl Chloride	1.77	62.0	53715	43.53	UG/L	81
4) Bromomethane	2.13	94.0	86418	46.00	UG/L	97
5) Chloroethane	2.27	64.0	42812	47.60	UG/L	92
6) 1,1-Dichloroethene	3.35	96.0	82260	52.75	UG/L	92
7) Carbon Disulfide	3.52	96.0	228262	53.38	UG/L	97
8) Acetone	3.63	43.0	12445M	50.76	UG/L	95
9) Methylene Chloride	4.36	84.0	90574	54.83	UG/L	91
10) 1,2-Dichloroethene (total)	4.98	96.0	109046	53.14	UG/L	89
10) 1,2-Dichloroethene (total)	7.31	96.0	112543	54.85	UG/L	78
11) 1,1-Dichloroethane	5.97	63.0	122663	39.40	UG/L	98
12) 2-Butanone	7.52	43.0	16835M	49.24	UG/L	88
13) Chloroform	8.15	83.0	244273	53.21	UG/L	99
14) 1,2-Dichloroethane	9.16	62.0	179877	52.27	UG/L	99
15) 1,2-Dichloroethane-d4 (S)	9.01	65.0	162546	48.15	UG/L	93
16) *1,4-Difluorobenzene	10.10	114.0	334342	50.00	UG/L	91
17) 1,1,1-Trichloroethane	8.29	97.0	254869	52.51	UG/L	95
18) Carbon Tetrachloride	8.63	117.0	250162	53.03	UG/L	99
19) Benzene	9.04	78.0	239943	56.37	UG/L	95
20) Trichloroethene	10.48	130.0	139086	54.68	UG/L	98
21) 1,2-Dichloropropane	10.88	63.0	94605	56.80	UG/L	89
22) Bromodichloromethane	11.58	83.0	281102	54.00	UG/L	99
23) trans-1,3-Dichloropropene	13.69	75.0	167706	53.45	UG/L	66
24) cis-1,3-Dichloropropene	12.49	75.0	171777	55.56	UG/L	97
25) 1,1,2-Trichloroethane	14.00	97.0	101809	53.79	UG/L	88
26) Dibromochloromethane	14.72	129.0	258595	53.33	UG/L	92
27) Bromoform	17.68	173.0	217842	53.74	UG/L	98
28) *Chlorobenzene-d5	15.86	117.0	273589	50.00	UG/L	96
29) 4-Methyl-2-Pentanone	12.96	43.0	63388	53.49	UG/L	91
30) Toluene-d8 (S)	12.95	98.0	291373	49.49	UG/L	89
31) Toluene	13.06	92.0	178723	56.09	UG/L	99
32) Tetrachloroethene	14.14	164.0	144204	57.73	UG/L	96
33) 2-Hexanone	14.70	43.0	37549	55.38	UG/L	97
34) Chlorobenzene	15.92	112.0	254018	55.78	UG/L	98
35) Ethylbenzene	16.27	106.0	116786	58.72	UG/L	92
36) Xylene (total)	16.55	106.0	295867	117.96	UG/L	93
36) Xylene (total)	17.35	106.0	144777	57.72	UG/L	91
37) Styrene	17.40	104.0	254309	55.61	UG/L	96
38) Bromofluorobenzene (S)	18.45	95.0	276598	48.36	UG/L	94

QUANT REPORT

Page 2

Operator ID: ANDY
Output File: ^C3334::QT
Data File: >C3334::C4
Name: MSD/C,
Misc: VSTD050,L,5.0,VSTD050,

Quant Rev: 7 Quant Time: 940321 11:01
 Injected at: 940321 10:16
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940310 11:13

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	18.98	83.0	153035	55.89	UG/L	90

* Compound is ISTD

[illegible]

Quant Output File: ^C3373::QT
Instrument ID: C

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940307 14:32 Last Qcal Time: 940321 10:16 *

Operator ID: ANDY
Quant Time : 940323 09:24
Injected at: 940323 08:51

QUANT REPORT

Page 1

Operator ID: ANDY
 Output File: ^C3373::QT
 Data File: >C3373::C4
 Name: MSD/C,
 Misc: USTD050,L,5.0,USTD050,

Quant Rev: 7 Quant Time: 940323 09:24
 Injected at: 940323 08:51
 Dilution Factor: 1.00000
 Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.74	127.9	89825	50.00	UG/L	96
2) Chloromethane	1.58	50.0	34108	42.43	UG/L	98
3) Vinyl Chloride	1.69	62.0	50427	43.71	UG/L	77
4) Bromomethane	2.05	94.0	81971	44.16	UG/L	95
5) Chloroethane	2.19	64.0	42786	46.53	UG/L	92
6) 1,1-Dichloroethene	3.27	96.0	84849	48.03	UG/L	92
7) Carbon Disulfide	3.43	76.0	227265	46.36	UG/L	99
8) Acetone	3.54	43.0	14599M	54.62	UG/L	97
9) Methylene Chloride	4.28	84.0	93993	48.32	UG/L	93
10) 1,2-Dichloroethene (total)	4.89	96.0	104559	43.26	UG/L	86
10) 1,2-Dichloroethene (total)	7.29	96.0	117640	48.67	UG/L	83
11) 1,1-Dichloroethane	5.90	63.0	180880	68.66	UG/L	99
12) 2-Butanone	7.49	43.0	17284M	47.80	UG/L	86
13) Chloroform	8.11	83.0	258208	49.22	UG/L	93
14) 1,2-Dichloroethane	9.14	62.0	194395	50.32	UG/L	97
15) 1,2-Dichloroethane-d4 (S)	8.97	65.0	180873	51.81	UG/L	94
16) *1,4-Difluorobenzene	10.08	114.0	357184	50.00	UG/L	96
17) 1,1,1-Trichloroethane	8.23	97.0	268599M	49.32	UG/L	93
18) Carbon Tetrachloride	8.59	117.0	255274	47.76	UG/L	99
19) Benzene	9.02	78.0	245423	47.87	UG/L	97
20) Trichloroethene	10.47	130.0	144051	48.47	UG/L	96
21) 1,2-Dichloropropane	10.85	63.0	97333	48.15	UG/L	94
22) Bromodichloromethane	11.56	83.0	291472	48.53	UG/L	99
23) trans-1,3-Dichloropropene	13.69	75.0	174474	48.69	UG/L	61
24) cis-1,3-Dichloropropene	12.48	75.0	177469	48.35	UG/L	99
25) 1,1,2-Trichloroethane	14.00	97.0	105141	48.33	UG/L	93
26) Dibromochloromethane	14.72	129.0	265833	48.11	UG/L	92
27) Bromoform	17.68	173.0	215111	46.22	UG/L	93
28) *Chlorobenzene-d5	15.85	117.0	294077	50.00	UG/L	91
29) 4-Methyl-2-Pentanone	12.93	43.0	62400	45.79	UG/L	91
30) Toluene-d8 (S)	12.93	98.0	314418	50.20	UG/L	96
31) Toluene	13.06	92.0	184125	47.92	UG/L	99
32) Tetrachloroethene	14.14	164.0	148169	47.80	UG/L	98
33) 2-Hexanone	14.70	43.0	35933	44.51	UG/L	92
34) Chlorobenzene	15.90	112.0	261509	47.89	UG/L	97
35) Ethylbenzene	16.26	106.0	117811	46.92	UG/L	93
36) Xylene (total)	16.54	106.0	305078	98.02	UG/L	90
36) Xylene (total)	17.34	106.0	147543	47.41	UG/L	94
37) Styrene	17.40	104.0	265214	48.51	UG/L	96
38) Bromofluorobenzene (S)	18.44	95.0	296374	49.84	UG/L	95

QUANT REPORT

Page 2

Operator ID: ANDY
Output File: ^C3373::QT
Data File: >C3373::C4
Name: MSD/C,
Misc: USTD050,L,5.0,USTD050,

Quant Rev: 7 Quant Time: 940323 09:24
 Injected at: 940323 08:51
Dilution Factor: 1.00000
Instrument ID: C

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

	Compound	R.T.	Q ion	Area	Conc	Units	q
39)	1,1,2,2-Tetrachloroethane	18.97	83.0	151807	46.14	UG/L	97

* Compound is ISTD

8A

Contract:

SDG No.: 316601

Date Analyzed: 03/14/94

Time Analyzed: 10:23

Heated Purge: (Y/N) Y

[illegible]

IS3 (CBZ) = Chlorobenzene-d5

RT LOWER LIMIT = -0.50 minutes of internal standard RT

```
# Column used for flag internal standard area values with an asterisk.
* Values outside of QC limits.
```

Contract:

SDG No.: 316601

Date Analyzed: 03/16/94

Time Analyzed: 13:20

Heated Purge: (Y/N) Y

1	U	BLK16	64448	8.54	218871	10.73	208621	16.39
2	S	P1 40	46659	8.55	177088	10.72	154559	16.38
3	S	P1 45	46739	8.56	179119	10.72	154474	16.39

IS3 (CBZ) = Chlorobenzene-d5

RT LOWER LIM

* Values outside of QC limits.

84

Contract:

Lab Code: LRI

Case No.: 03166

SAS No. :

SDG No.: 316601

Lab File ID (Standard): >C3373

Date Analyzed: 03/23/94

Instrument ID: MSD/C

Time Analyzed: 08:51

GC Column:

CAP

ID:

0.53 (mm)

Heated Purge: (Y/N) N

[illegible]

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobezene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used for flag internal standard area values with an asterisk.

* Values outside of QC limits.

84

Contract:

SDG No.: 316601

Date Analyzed: 03/21/94

Time Analyzed: 10:16

Heated Purge: (Y/N) N

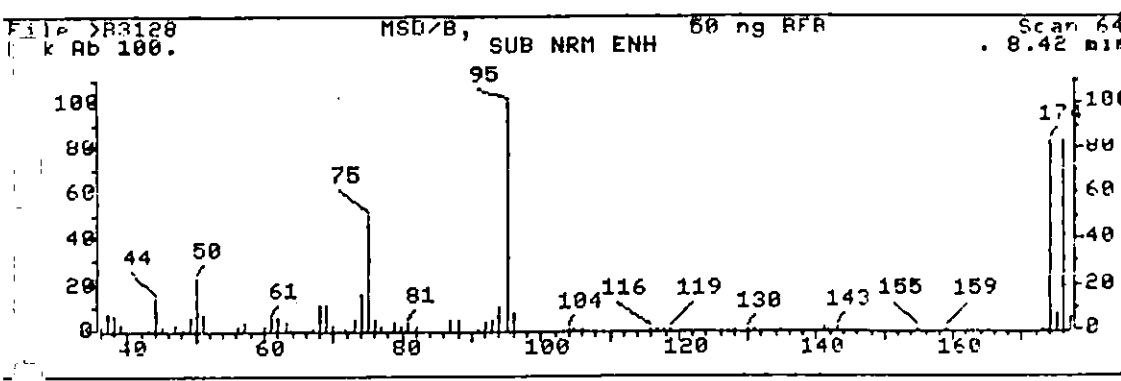
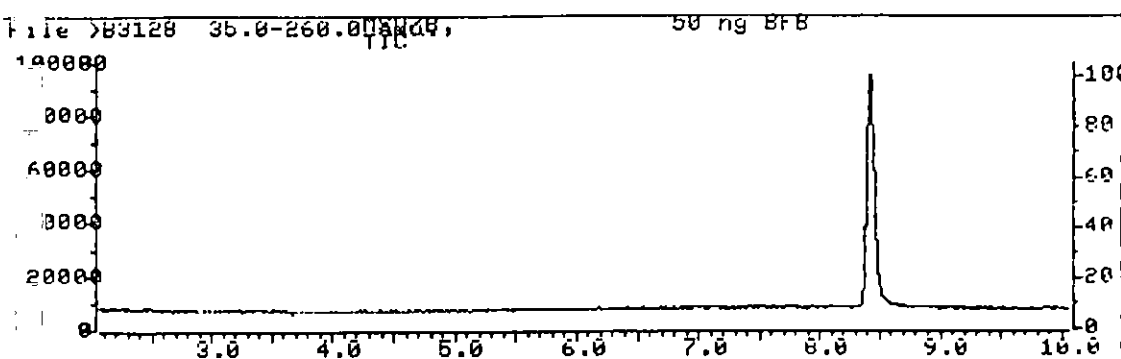
IS1 (BCM) = Bromochloromethane

IS3 (CBZ) = Chlorobenzene-d5

AREA LOWER LIMIT = - 50% of internal standard area

RT LOWER LIMIT = -0.50 minutes of internal standard RT

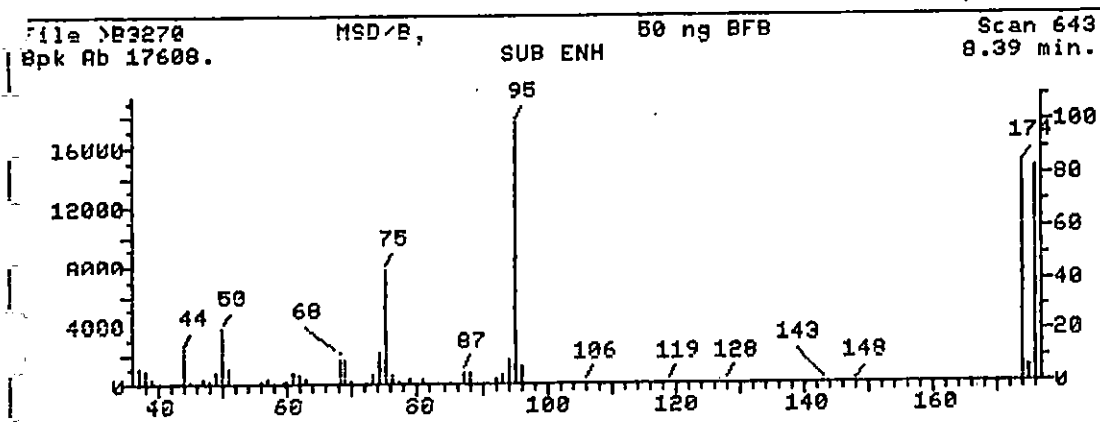
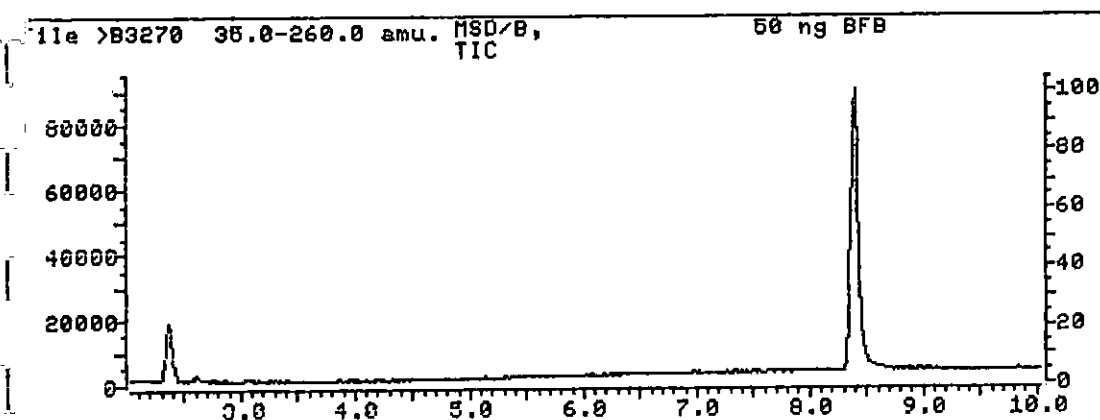
* Values outside of QC limits.



B3128 MSD/B, 50 ng BFB
641 SUB NRM ENH

File: >B3128 Scan #: 641 Retn. time: 8.42

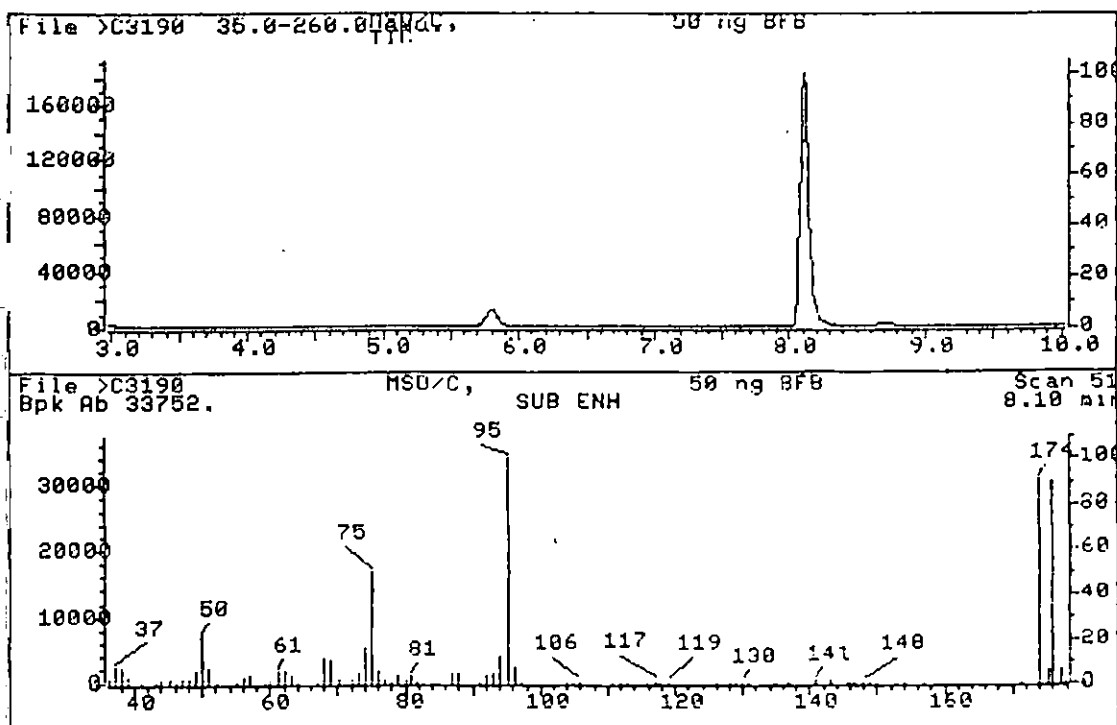
m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
35.95	1.366	57.05	2.906	75.05	49.343	93.95	10.253	131.00	.157
37.05	6.893	59.95	1.055	76.05	4.144	95.05	100.000	134.80	.145
38.05	5.865	61.05	5.064	77.05	.625	96.05	6.787	141.00	.880
39.05	1.983	62.05	4.735	78.95	2.729	103.95	.489	141.90	.051
43.05	.053	63.05	3.130	79.95	.815	104.75	.145	143.00	.910
44.05	14.132	63.95	.307	80.85	3.081	105.95	.468	154.90	.147
45.05	1.161	67.15	.446	81.95	.698	115.95	.344	159.00	.069
47.05	1.662	68.05	11.255	86.95	4.173	116.95	.436	173.00	.532
48.05	.476	68.95	10.630	87.95	4.419	117.95	.124	174.00	82.646
49.05	4.924	69.85	.723	90.95	.436	118.85	.485	174.90	6.425
50.05	22.488	71.95	.472	91.95	2.739	127.90	.360	176.00	82.595
51.05	6.347	73.05	4.217	93.05	3.857	129.90	.403	177.00	5.386
56.05	1.472	74.05	15.849						



>B3270 MSD/B, 50 ng BFB
643 SUB NRM ENH

File: >B3270 Scan #: 643 Retn. time: 8.39

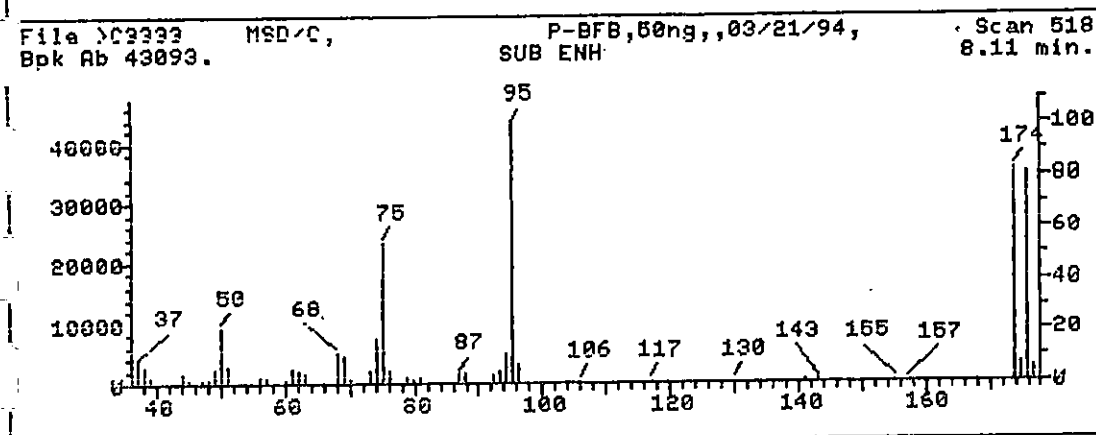
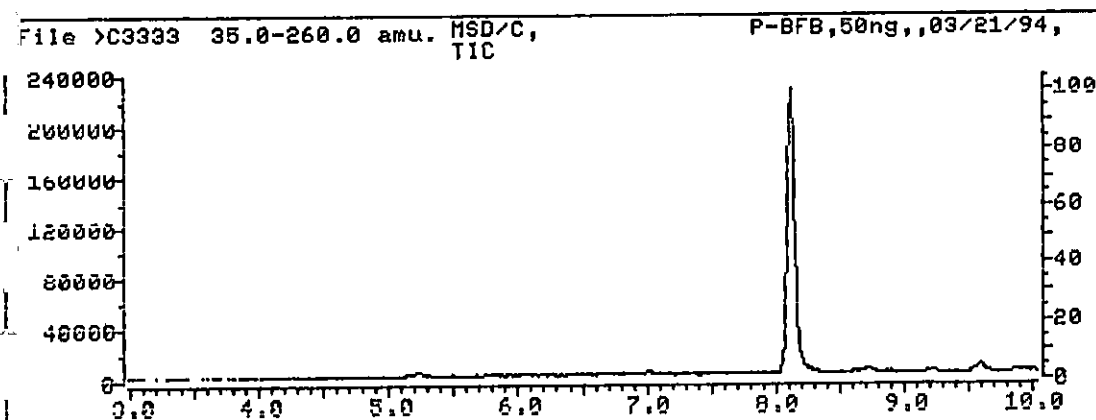
m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.05	1.287	51.95	.257	73.05	3.703	92.00	2.132	127.90	.259
37.05	6.452	54.95	.352	74.05	13.108	93.10	3.360	130.00	.231
38.05	5.263	55.95	1.391	75.05	43.980	94.00	9.104	136.80	.087
39.05	1.990	57.05	2.647	76.10	3.648	95.10	100.000	141.00	.473
43.95	13.289	60.05	1.032	77.10	.642	96.10	6.681	142.90	.568
44.95	1.210	61.05	4.275	78.00	.420	97.10	.256	148.00	.172
46.05	.045	62.05	3.958	79.00	2.126	106.00	.263	172.90	.422
46.95	1.632	63.05	2.609	80.00	.515	115.90	.153	174.00	83.172
48.05	.683	63.95	.307	81.00	2.048	116.90	.284	175.00	5.965
49.05	4.144	68.05	9.738	81.90	.401	117.90	.280	176.00	82.782
50.05	20.987	68.95	9.265	87.00	4.647	119.00	.422	177.00	5.560
51.05	6.016	69.95	.789	88.00	4.598				



>C3190 MSD/C, 50 ng BFB
519 SUB NRM ENH

File: >C3190 Scan #: 519 Retn. time: 8.10

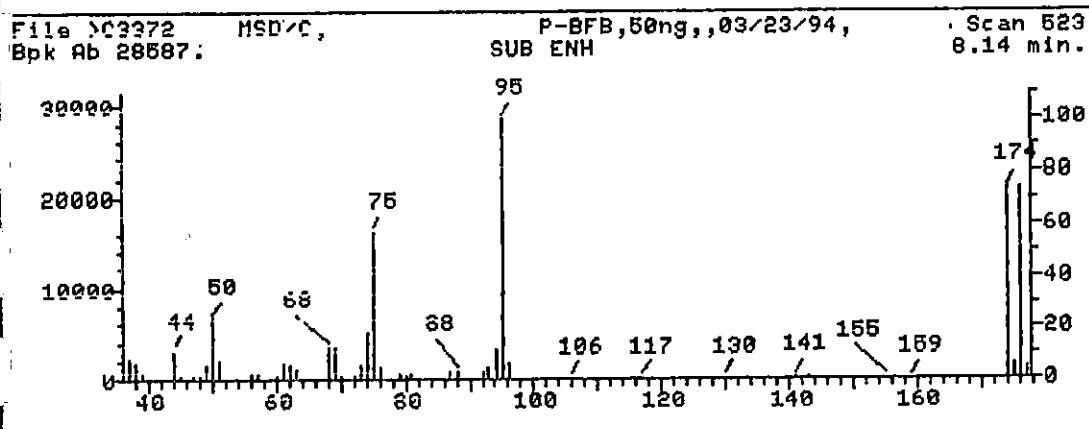
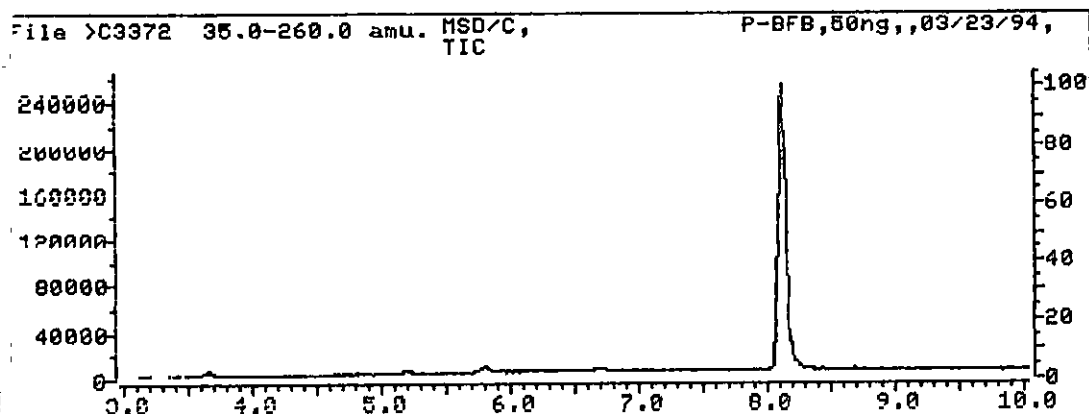
m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.05	1.408	57.05	2.596	78.00	.481	110.75	.048	142.95	.765
37.05	7.150	59.35	.069	78.90	2.693	112.05	.056	145.80	.151
38.05	5.628	60.05	1.187	80.00	.758	112.95	.030	146.00	.048
39.05	1.979	61.05	4.819	80.90	2.785	115.95	.338	146.70	.058
41.05	.131	62.05	4.463	81.90	.500	116.95	.614	148.00	.233
43.05	.205	63.05	2.960	87.05	3.567	117.85	.284	148.90	.095
43.95	.794	64.05	.344	87.95	3.540	118.95	.468	149.90	.036
45.10	1.064	67.05	.311	90.95	.426	126.10	.026	152.90	.090
46.20	.055	67.95	10.532	92.05	2.574	127.90	.340	153.90	.069
47.10	.992	69.05	9.946	93.05	4.007	128.90	.227	156.80	.164
47.90	.731	70.10	.929	94.05	11.536	129.90	.400	171.30	.103
49.10	4.859	72.00	.636	95.10	100.000	131.00	.102	174.00	90.875
50.10	21.285	73.10	4.053	96.10	6.970	134.75	.114	175.10	5.429
51.00	6.306	74.10	15.985	97.10	.208	136.55	.038	176.00	89.334
52.10	.184	75.00	49.725	103.90	.345	136.95	.104	177.00	5.960
55.00	.470	76.00	4.611	105.00	.149	140.95	.868	177.90	136.122



>C3333 MSD/C, P-BFB,50ng,,03/21/94,
518 SUB NRM ENH

File: >C3333 Scan #: 518 Retn. time: 8.11

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.05	1.402	57.00	2.714	78.90	2.685	105.90	.381	142.95	.921
37.05	7.354	59.90	1.147	79.90	.753	107.00	.140	145.95	.142
38.05	5.706	61.05	5.312	80.90	2.908	111.90	.029	147.95	.172
39.05	2.075	62.05	4.750	81.90	.582	114.75	.048	148.95	.095
41.55	.020	63.05	3.255	83.70	.035	115.95	.395	149.85	.084
42.05	.038	64.05	.212	85.30	.026	116.95	.507	151.85	.022
43.95	3.167	67.05	.353	86.95	3.477	117.95	.334	155.00	.299
44.95	1.073	68.05	10.919	87.95	3.161	118.85	.422	157.00	.158
45.75	.069	69.05	10.357	91.05	.383	123.15	.020	158.50	.076
45.95	.073	70.05	.866	92.05	2.596	127.90	.324	158.90	.091
46.25	.054	70.95	.022	93.05	4.281	129.00	.121	160.30	.021
47.10	.787	72.05	.622	94.05	11.467	130.00	.356	160.90	.121
48.10	.841	73.05	4.616	95.05	100.000	131.00	.152	170.95	.023
49.10	5.293	74.10	17.037	96.05	6.692	134.90	.128	173.95	81.689
50.10	21.301	75.10	54.319	96.95	.213	136.90	.145	174.95	6.932
51.00	6.395	76.10	4.522	97.95	.029	140.05	.107	175.95	80.774
52.10	.246	77.00	.522	103.90	.319	140.95	.777	176.95	5.316
53.10	.005	77.00	.343	105.00	.189	141.95	.172	177.95	.196



>C3372
523

MSD/C,
SUB NRM ENH

P-BFB,50ng,,03/23/94,

File: >C3372 Scan #: 523 Retn. time: 8.14

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.05	1.639	56.00	1.639	75.10	56.603	96.10	6.439	134.95	.040
37.05	7.895	57.05	2.867	76.00	4.536	97.00	.254	136.65	.048
38.05	5.717	57.85	.050	76.90	.472	103.90	.379	138.85	.063
39.05	2.362	58.75	.050	78.10	.119	104.80	.161	140.95	.892
42.85	.201	60.05	1.315	79.00	3.125	105.10	.066	142.95	.767
43.95	10.593	61.05	5.950	80.10	.926	105.80	.435	145.90	.167
45.10	1.257	62.05	5.241	80.90	2.982	114.75	.080	147.90	.111
45.80	.034	63.05	3.415	82.05	.557	115.95	.422	154.40	.031
47.10	.986	64.05	.219	84.45	.036	116.95	.612	155.00	.262
48.00	.900	68.05	12.264	86.95	3.006	117.95	.246	158.95	.085
49.10	5.367	69.05	11.551	88.05	3.031	118.95	.473	160.95	.040
50.10	23.402	70.00	.906	91.05	.267	127.70	.375	174.00	73.243
51.10	7.060	71.40	.079	92.05	3.032	127.90	.078	175.00	5.779
52.00	.141	72.00	.831	92.95	4.149	129.00	.108	176.00	73.217
54.40	.030	73.10	5.125	94.05	11.147	129.90	.422	177.00	4.532
55.20	.442	74.00	17.864	95.10	100.000	132.75	.028	177.90	.037

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VLBK14

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.:316601

Matrix: [soil/water] SOIL

Lab Sample ID: VBLK-QB0314

Sample wt/vol: 5.0 [g/mL] G

Lab File ID: >B3250

Level: [low/med] LOW

Date Received:

% Moisture: decanted (Y/N) N

Date Analyzed : 03/14/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

[ug/L or ug/Kg] UG/KG

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

NYSDEC SAMPLE NO.

VBLK14

Contract:

SDG No.: 316601

Lab Sample ID: VBLK-QB0314

Lab File ID: >B3250

Date Received:

Date Analyzed: 03/14/94

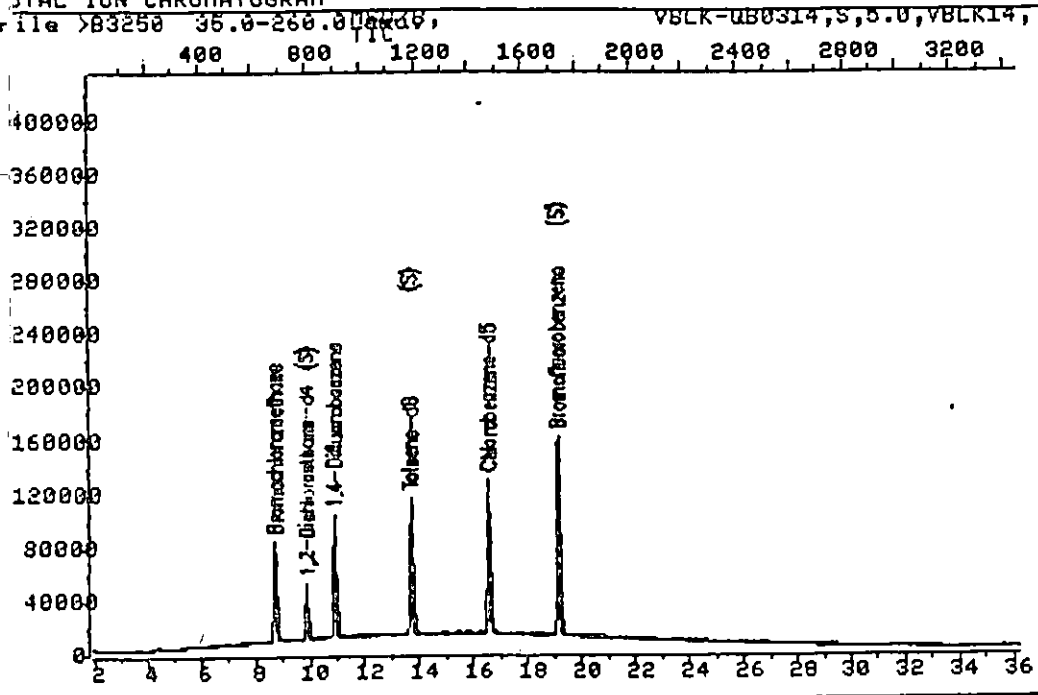
Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Number TICs found: 0

[illegible]

TOTAL ION CHROMATOGRAM



Data File: >B3250::B1

Quant Output File: ^B3250::QT

Name: MSD/B,

Instrument ID: B

Misc: VBLK-QB0314,S,5.0,VBLK14,

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940314 10:23

Operator ID: EILEEN

Quant Time : 940314 12:26

Injected at: 940314 11:48

QUANT REPORT

Page 1

Operator ID: EILEEN
Output File: ^B3250::QT
Data File: >B3250::B1
Name: MSD/B,
Disc: UBLK-QB0314,S,5.0,UBLK14,

Quant Rev: 7 Quant Time: 940314 12:26
 Injected at: 940314 11:48
Dilution Factor: 1.00000
Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

t Calibration: 940126 15:13

Last Qcal Time: 940314 10:23

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	8.69	127.9	60371	50.00	UG/L	80
2) 1,2-Dichloroethane-d4 (S)	9.85	65.0	87949	49.96	UG/L	93
3) *1,4-Difluorobenzene	10.88	114.0	233888	50.00	UG/L	96
28) *Chlorobenzene-d5	16.54	117.0	201976	50.00	UG/L	95
4) Toluene-d8 (S)	13.65	98.0	215842	49.65	UG/L	97
4) Bromofluorobenzene (S)	19.11	95.0	184804	47.18	UG/L	97

Compound is ISTD

0 hits
ds 3-15-94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO:

VLBK16

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: VBLK-QB0316

Sample wt/vol: 5.0

[g/mL] G

Lab File ID: >B3273

Level: [low/med] LOW

Date Received:

% Moisture: decanted (Y/N) N

Date Analyzed: 03/16/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

[ug/L or ug/Kg] UG/KG

Q

74-87-3-----	Chloromethane	10	IU
74-83-9-----	Bromomethane	10	IU
75-01-4-----	Vinyl Chloride	10	IU
75-00-3-----	Chloroethane	10	IU
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	10	IU
75-15-0-----	Carbon Disulfide	10	IU
75-35-4-----	1,1-Dichloroethene	10	IU
75-34-3-----	1,1-Dichloroethane	10	IU
540-59-0-----	1,2-Dichloroethene (total)	10	IU
67-66-3-----	Chloroform	10	IU
107-06-2-----	1,2-Dichloroethane	10	IU
78-93-3-----	2-Butanone	10	IU
71-55-6-----	1,1,1-Trichloroethane	10	IU
56-23-5-----	Carbon Tetrachloride	10	IU
75-27-4-----	Bromodichloromethane	10	IU
78-87-5-----	1,2-Dichloropropane	10	IU
10061-01-5-----	cis-1,3-Dichloropropene	10	IU
79-01-6-----	Trichloroethene	10	IU
124-48-1-----	Dibromochloromethane	10	IU
79-00-5-----	1,1,2-Trichloroethane	10	IU
71-43-2-----	Benzene	10	IU
10061-02-6-----	trans-1,3-Dichloropropene	10	IU
75-25-2-----	Bromoform	10	IU
108-10-1-----	4-Methyl-2-Pentanone	10	IU
591-78-6-----	2-Hexanone	10	IU
127-18-4-----	Tetrachloroethene	10	IU
79-34-5-----	1,1,2,2-Tetrachloroethane	10	IU
108-88-3-----	Toluene	10	IU
108-90-7-----	Chlorobenzene	10	IU
100-41-4-----	Ethylbenzene	10	IU
100-42-5-----	Styrene	10	IU
1330-20-7-----	Xylene (total)	10	IU

143

NYSDEC SAMPLE NO.

VBK16

Contract:

SDG No.: 316601

Lab Sample ID: VBLK-QB0316

Lab File ID: >B3273

Date Received:

Date Analyzed: 03/16/94

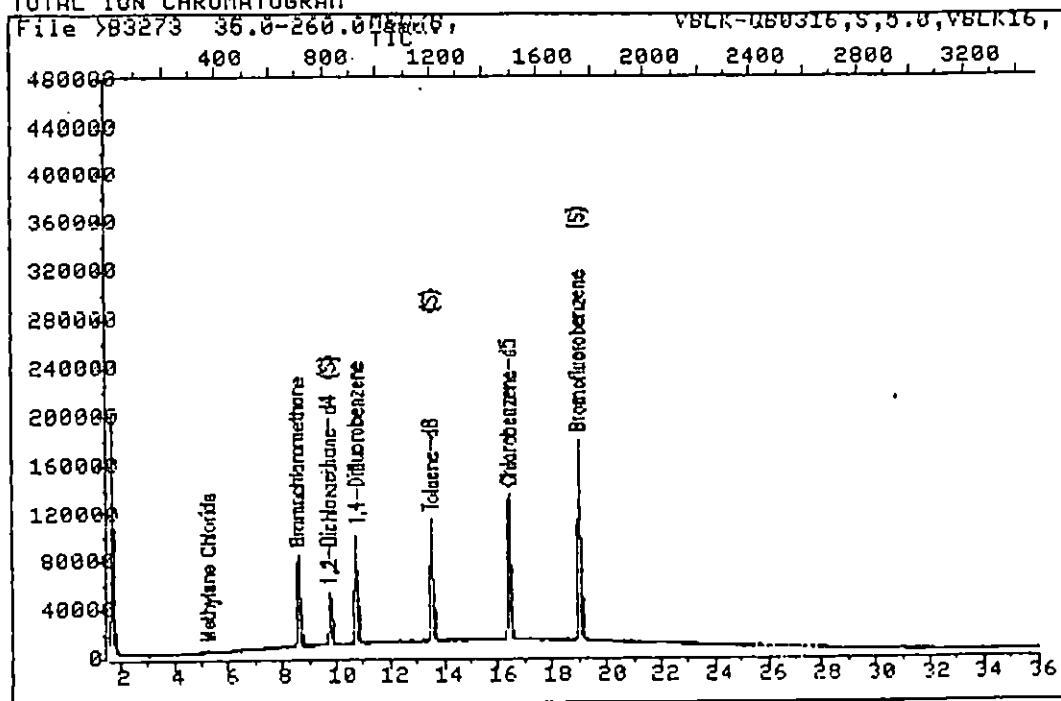
Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

[illegible]

TOTAL ION CHROMATOGRAM



Data File: >B3273::B1

Name: MSD/B,

Misc: VBLK-QB0316,S,5.0,VBLK16,

Quan: Output File: ^B3273::QT

Instrument ID: B

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Cal Time: 940316 13:20

Operator ID: EILEEN

Quant Time : 940316 15:53

Injected at: 940316 15:16

QUANT REPORT

Page 1

Operator ID: EILEEN
Output File: ^B3273::QT
Data File: >B3273::B1
Name: MSD/B,
Misc: UBLK-QB0316,S,5.0,UBLK16,

Quant Rev: 7 Quant Time: 940316 15:53
 Injected at: 940316 15:16
Dilution Factor: 1.00000
Instrument ID: B

ID File: IDB909::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

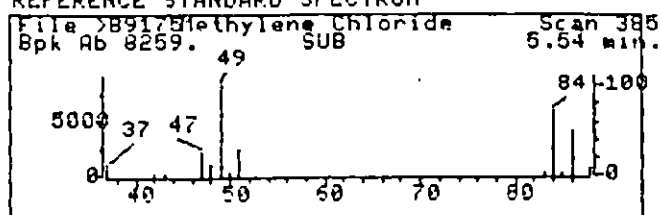
Last Calibration: 940126 15:13

Last Qcal Time: 940316 13:20

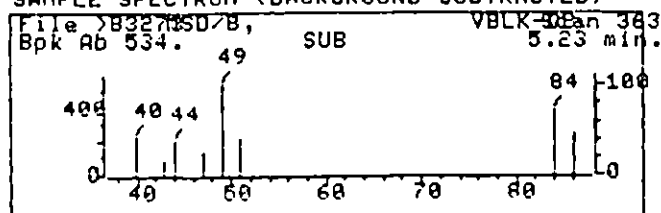
Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	8.54	127.9	64448	50.00	UG/L	79
9) Methylene Chloride	5.23	84.0	2346M	1.23	UG/L	86
15) 1,2-Dichloroethane-d4 (S)	9.71	65.0	88197	50.62	UG/L	93
16) *1,4-Difluorobenzene	10.73	114.0	218871	50.00	UG/L	97
28) *Chlorobenzene-d5	16.39	117.0	208621	50.00	UG/L	95
30) Toluene-d8 (S)	13.50	98.0	215314	48.68	UG/L	98
38) Bromofluorobenzene (S)	18.96	95.0	206659	49.01	UG/L	93

* Compound is ISTD

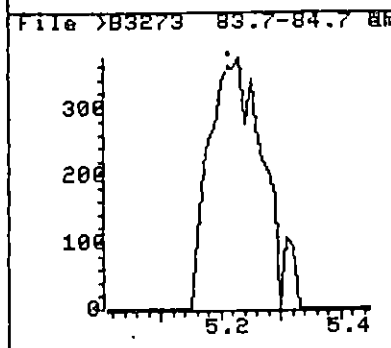
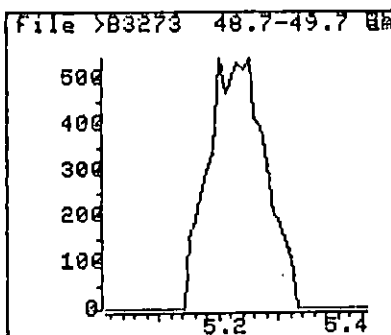
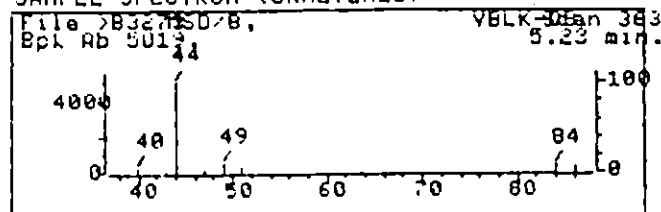
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >B3273::B1
Name: MSD/B,
Misc: VBLK-QB0316,S,5.0,VBLK16,
Quant Time: 940316 15:53
Injected at: 940316 15:16
Last Qcal Time: 940316 13:20

Quant Output File: ^B3273::QT
Instrument ID: B

Quant ID File: IDB90S::C2
Last Calibration: 940126 15:13

Compound No : 9
Compound Name : Methylene Chloride
Scan Number : 363
Retention Time: 5.23 min.
Quant Ion : 84.0
Area : 2346M
Concentration : 1.23 UG/L
q-value : 86

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

UBLK21

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: UBLK-QC0321

Sample wt/vol: 4.0 [g/mL] G

Lab File ID: >C3336

Level: [low/med] MED

Date Received:

% Moisture: decanted (Y/N) N

Date Analyzed : 03/21/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 100.0(uL)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	[ug/L or ug/Kg] UG/KG	Q
74-87-3-----	Chloromethane	1300	U
74-83-9-----	Bromomethane	1300	U
75-01-4-----	Vinyl Chloride	1300	U
75-00-3-----	Chloroethane	1300	U
75-09-2-----	Methylene Chloride	1300	U
67-64-1-----	Acetone	1300	U
75-15-0-----	Carbon Disulfide	1300	U
75-35-4-----	1,1-Dichloroethene	1300	U
75-34-3-----	1,1-Dichloroethane	1300	U
540-59-0-----	1,2-Dichloroethene (total)	1300	U
67-66-3-----	Chloroform	1300	U
107-06-2-----	1,2-Dichloroethane	1300	U
78-93-3-----	2-Butanone	1300	U
71-55-6-----	1,1,1-Trichloroethane	1300	U
56-23-5-----	Carbon Tetrachloride	1300	U
75-27-4-----	Bromodichloromethane	1300	U
78-87-5-----	1,2-Dichloropropane	1300	U
10061-01-5-----	cis-1,3-Dichloropropene	1300	U
79-01-6-----	Trichloroethene	1300	U
124-48-1-----	Dibromochloromethane	1300	U
79-00-5-----	1,1,2-Trichloroethane	1300	U
71-43-2-----	Benzene	1300	U
10061-02-6-----	trans-1,3-Dichloropropene	1300	U
75-25-2-----	Bromoform	1300	U
108-10-1-----	4-Methyl-2-Pentanone	1300	U
591-78-6-----	2-Hexanone	1300	U
127-18-4-----	Tetrachloroethene	1300	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1300	U
108-88-3-----	Toluene	1300	U
108-90-7-----	Chlorobenzene	1300	U
100-41-4-----	Ethylbenzene	1300	U
100-42-5-----	Styrene	1300	U
1330-20-7-----	Xylene (total)	1300	U

148

NYSDEC SAMPLE NO.

VBLK21

Contract:

SDG No.: 316601

Lab Sample ID: VBLK-QC0321

Lab File ID: >C3336

Date Received:

Date Analyzed: 03/21/94

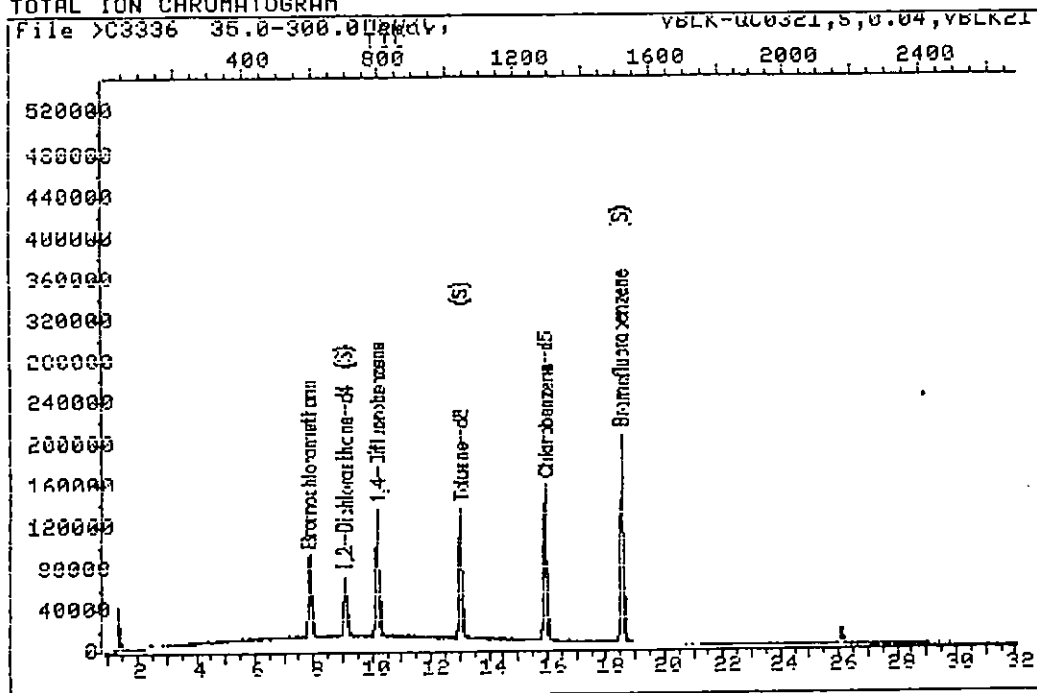
Dilution Factor: 1.0

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

[illegible]

TOTAL ION CHROMATOGRAM



Data File: >C3336::C4

Quant Output File: ^C3336::QT

Name: MSD/C,

Instrument ID: C

Misc: VBLK-QC0321,S,0.04,VBLK21,

Id File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

Operator ID: ANDY

Quant Time : 940321 12:58

Injected at: 940321 12:25

QUANT REPORT

Page 1

Operator ID: ANDY

Quant Rev: 7

Quant Time: 940321 12:58

Output File: ^C3336::QT

Injected at: 940321 12:25

Data File: >C3336::C4

Dilution Factor: 1.00000

Name: MSD/C,

Instrument ID: C

Misc: VBLK-QC0321,S,0.04,VBLK21,

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.81	127.9	76779	50.00	UG/L	94
15) 1,2-Dichloroethane-d4 (S)	9.04	65.0	150586	50.46	UG/L	98
16) *1,4-Difluorobenzene	10.14	114.0	302560	50.00	UG/L	99
28) *Chlorobenzene-d5	15.91	117.0	255855	50.00	UG/L	97
30) Toluene-d8 (S)	12.98	98.0	273722	50.23	UG/L	97
38) Bromofluorobenzene (S)	18.50	95.0	241720	46.72	UG/L	88

* Compound is ISTD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBK23

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] WATER

Lab Sample ID: VBK-QC0323

Sample wt/vol: 5.0 [g/mL] ML

Lab File ID: >C3376

Level: [low/med] LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Analyzed : 03/23/94

GC Column : CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/L Q

74-87-3-----	Chloromethane	10	IU
74-83-9-----	Bromomethane	10	IU
75-01-4-----	Vinyl Chloride	10	IU
75-00-3-----	Chloroethane	10	IU
75-09-2-----	Methylene Chloride	10	IU
67-64-1-----	Acetone	10	IU
75-15-0-----	Carbon Disulfide	10	IU
75-35-4-----	1,1-Dichloroethene	10	IU
75-34-3-----	1,1-Dichloroethane	10	IU
540-59-0-----	1,2-Dichloroethene (total)	10	IU
67-66-3-----	Chloroform	10	IU
107-06-2-----	1,2-Dichloroethane	10	IU
78-93-3-----	2-Butanone	10	IU
71-55-6-----	1,1,1-Trichloroethane	10	IU
56-23-5-----	Carbon Tetrachloride	10	IU
75-27-4-----	Bromodichloromethane	10	IU
78-87-5-----	1,2-Dichloropropane	10	IU
10061-01-5-----	cis-1,3-Dichloropropene	10	IU
79-01-6-----	Trichloroethene	10	IU
124-48-1-----	Dibromochloromethane	10	IU
79-00-5-----	1,1,2-Trichloroethane	10	IU
71-43-2-----	Benzene	10	IU
10061-02-6-----	trans-1,3-Dichloropropene	10	IU
75-25-2-----	Bromoform	10	IU
108-10-1-----	4-Methyl-2-Pentanone	10	IU
591-78-6-----	2-Hexanone	10	IU
127-18-4-----	Tetrachloroethene	10	IU
79-34-5-----	1,1,2,2-Tetrachloroethane	10	IU
108-88-3-----	Toluene	10	IU
108-90-7-----	Chlorobenzene	10	IU
100-41-4-----	Ethylbenzene	10	IU
100-42-5-----	Styrene	10	IU
1330-20-7-----	Xylene (total)	10	IU

152

NYSDEC SAMPLE NO.

VALK23

Contract:

SDG No.: 316601

Lab Sample ID: VBLK-QC0323

Lab File ID: >C3376

Date Received:

Date Analyzed: 03/23/94

Dilution Factor: 1.0

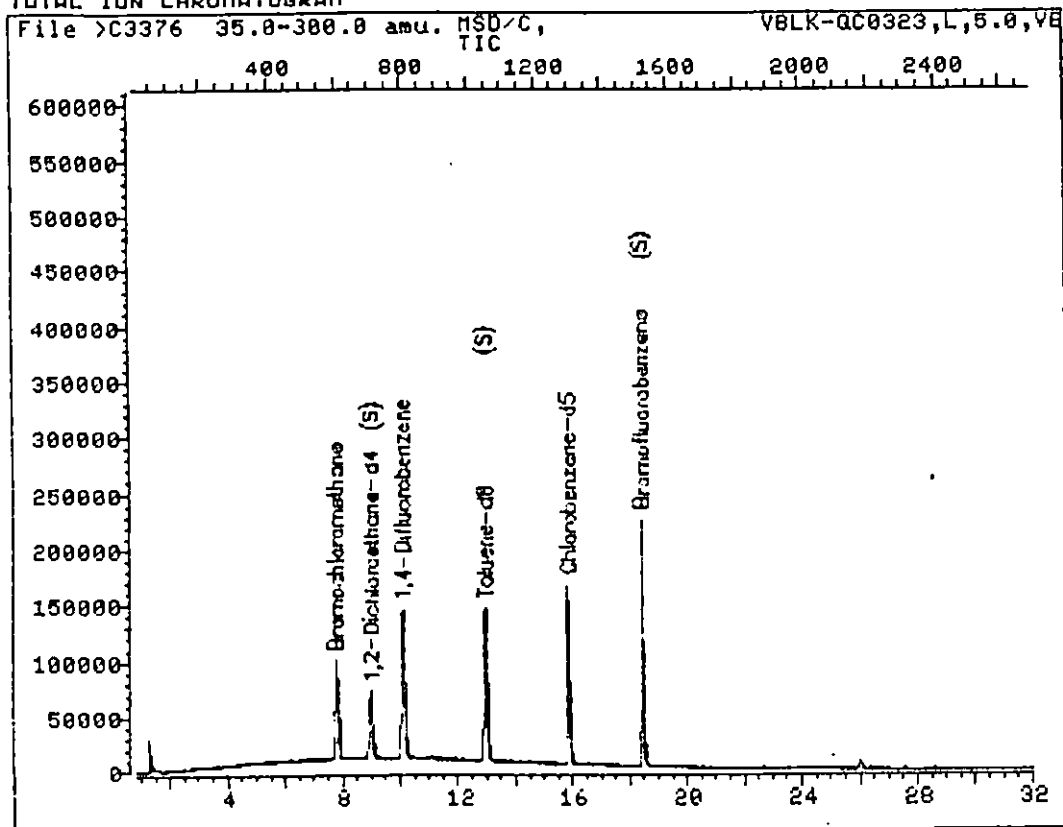
Soil Aliquot Volume: (uL)

Number TICs found: 0

(ug/L or ug/Kg) UG/ L

[illegible]

TOTAL ION CHROMATOGRAM



Data File: >C3376::C4
Name: MSD/C,
Misc: VBLK-QC0323,L,5.0,VBLK23,

Quant Output File: ^C3376::QT
Instrument ID: C

Id File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940307 14:32 Last Qcal Time: 940323 08:51

Operator ID: ANDY
Quant Time : 940323 12:26
Injected at: 940323 11:52

QUANT REPORT

Page 1

Operator ID: ANDY
Output File: ^C3376::QT
Data File: >C3376::C4
Name: MSD/C,
Misc: UBLK-QC0323,L,5.0,UBLK23,

Quant Rev: 7 Quant Time: 940323 12:26
 Injected at: 940323 11:52
Dilution Factor: 1.00000
Instrument ID: C

D File: IDC90L::C2
Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
Last Calibration: 940307 14:32 Last Qcal Time: 940323 08:51

Compound	R.T.	Q	Ion	Area	Conc	Units	q
1) *Bromochloromethane	7.77	127.9		84052	50.00	UG/L	94
15) 1,2-Dichloroethane-d4 (S)	9.00	65.0		167862	49.59	UG/L	95
16) *1,4-Difluorobenzene	10.09	114.0		340448	50.00	UG/L	93
28) *Chlorobenzene-d5	15.86	117.0		279477	50.00	UG/L	93
30) Toluene-d8 (S)	12.95	98.0		299054	50.04	UG/L	99
38) Bromofluorobenzene (S)	18.44	95.0		267527	47.49	UG/L	93

* Compound is ISTD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

UBLKMS

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: UBLK-MS

Sample wt/vol: 5.0 [g/mL] G

Lab File ID: >B3254

Level: [low/med] LOW

Date Received:

% Moisture: 0.0 decanted (Y/N) N

Date Analyzed : 03/14/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

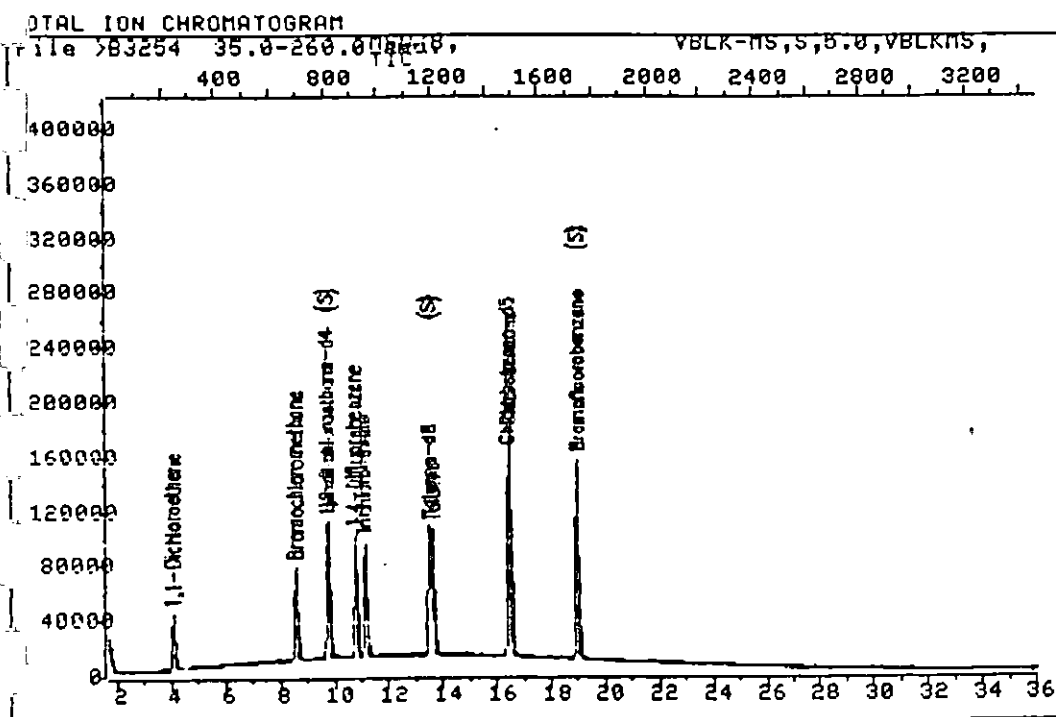
COMPOUND

[ug/L or ug/Kg] UG/KG

Q

74-87-3-----	Chloromethane	10	IU
74-83-9-----	Bromomethane	10	IU
75-01-4-----	Vinyl Chloride	10	IU
75-00-3-----	Chloroethane	10	IU
75-09-2-----	Methylene Chloride	10	IU
67-64-1-----	Acetone	10	IU
75-15-0-----	Carbon Disulfide	10	IU
75-35-4-----	1,1-Dichloroethene	55	I
75-34-3-----	1,1-Dichloroethane	10	IU
540-59-0-----	1,2-Dichloroethene (total)	10	IU
67-66-3-----	Chloroform	10	IU
107-06-2-----	1,2-Dichloroethane	10	IU
78-93-3-----	2-Butanone	10	IU
71-55-6-----	1,1,1-Trichloroethane	10	IU
56-23-5-----	Carbon Tetrachloride	10	IU
75-27-4-----	Bromodichloromethane	10	IU
78-87-5-----	1,2-Dichloropropane	10	IU
10061-01-5-----	cis-1,3-Dichloropropene	10	IU
79-01-6-----	Trichloroethene	48	I
124-48-1-----	Dibromochloromethane	10	IU
79-00-5-----	1,1,2-Trichloroethane	10	IU
71-43-2-----	Benzene	46	I
10061-02-6-----	trans-1,3-Dichloropropene	10	IU
75-25-2-----	Bromoform	10	IU
108-10-1-----	4-Methyl-2-Pentanone	10	IU
591-78-6-----	2-Hexanone	10	IU
127-18-4-----	Tetrachloroethene	10	IU
79-34-5-----	1,1,2,2-Tetrachloroethane	10	IU
108-88-3-----	Toluene	46	I
108-90-7-----	Chlorobenzene	54	I
100-41-4-----	Ethylbenzene	10	IU
100-42-5-----	Styrene	10	IU
1330-20-7-----	Xylene (total)	10	IU

156



Data File: >B3254::B1
 Name: MSD/B,
 Misc: VBLK-MS,S,5.0,VBLKMS,

Quant Output File: ^B3254::QT
 Instrument ID: B

Id File: IDB90S::C2
 Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
 Last Calibration: 940126 15:13 Last Qcal Time: 940314 10:23

Operator ID: EILEEN
 Quant Time : 940314 15:13
 Injected at: 940314 14:35

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3254::QT
 Sample File: >B3254::B1
 Sample: MSD/B,
 Method: UBLK-MS,S,5.0,UBLKMS,

Quant Rev: 7 Quant Time: 940314 15:13
 Injected at: 940314 14:35
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Start Calibration: 940126 15:13

Last Qual Time: 940314 10:23

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	8.54	127.9	57600	50.00	UG/L	79
2) 1,1-Dichloroethene	4.02	96.0	51991	54.51	UG/L	89
3) 1,2-Dichloroethane-d4 (S)	9.70	65.0	83404	49.66	UG/L	92
16) *1,4-Difluorobenzene	10.71	114.0	215775	50.00	UG/L	97
17) Benzene	9.71	78.0	168842	46.34	UG/L	99
18) Trichloroethene	11.07	130.0	88143	47.83	UG/L	97
28) *Chlorobenzene-d5	16.37	117.0	190576	50.00	UG/L	94
30) Toluene-d8 (S)	13.48	98.0	201538	49.14	UG/L	98
31) Toluene	13.60	92.0	119598	45.72	UG/L	98
34) Chlorobenzene	16.42	112.0	190414	54.31	UG/L	98
38) Bromofluorobenzene (S)	18.93	95.0	177163	47.94	UG/L	99

Compound is ISTD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

EB-21 MS

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403120-01MS

Sample wt/vol: 5.0 [g/mL] G

Lab File ID: >B3252

Level: [low/med] LOW

Date Received: 03/11/94

% Moisture: 22.0 decanted (Y/N) N

Date Analyzed: 03/14/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

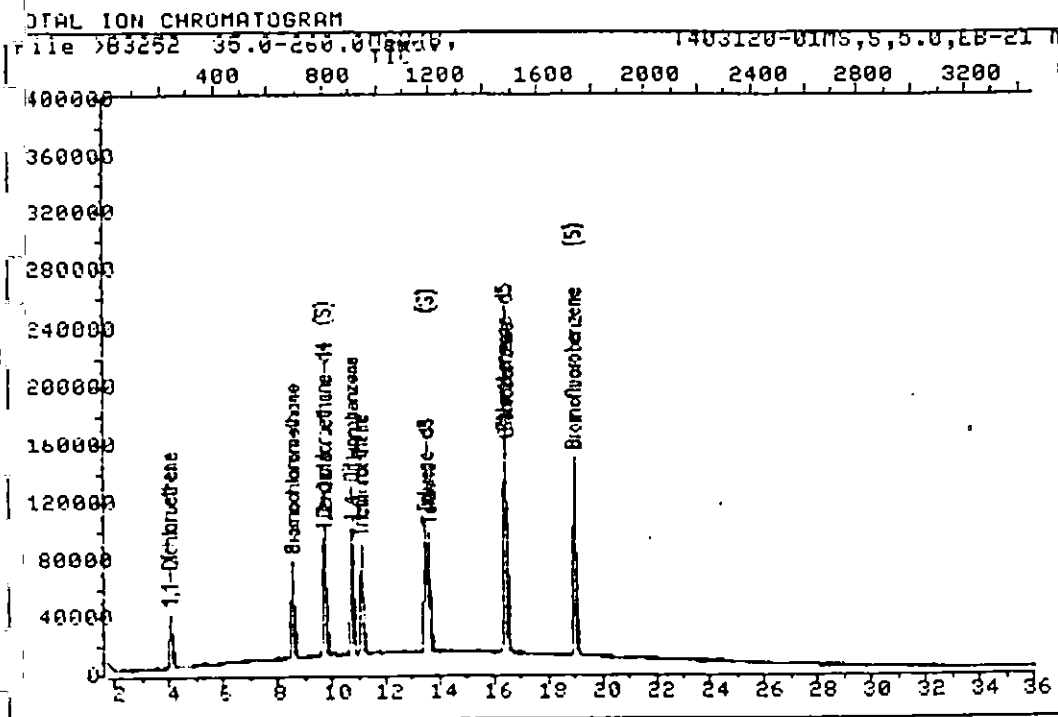
CAS NO.

COMPOUND

[ug/L or ug/Kg] UG/KG

Q

74-87-3-----	Chloromethane	13	1U	
74-83-9-----	Bromomethane	13	1U	
75-01-4-----	Vinyl Chloride	13	1U	
75-00-3-----	Chloroethane	13	1U	
75-09-2-----	Methylene Chloride	13	1U	
67-64-1-----	Acetone	13	1U	
75-15-0-----	Carbon Disulfide	13	1U	
75-35-4-----	1,1-Dichloroethene	65		
75-34-3-----	1,1-Dichloroethane	13	1U	
540-59-0-----	1,2-Dichloroethene (total)	13	1U	
67-66-3-----	Chloroform	13	1U	
107-06-2-----	1,2-Dichloroethane	13	1U	
78-93-3-----	2-Butanone	13	1U	
71-55-6-----	1,1,1-Trichloroethane	13	1U	
56-23-5-----	Carbon Tetrachloride	13	1U	
75-27-4-----	Bromodichloromethane	13	1U	
78-87-5-----	1,2-Dichloropropane	13	1U	
10061-01-5-----	cis-1,3-Dichloropropene	13	1U	
79-01-6-----	Trichloroethene	58		
124-48-1-----	Dibromochloromethane	13	1U	
79-00-5-----	1,1,2-Trichloroethane	13	1U	
71-43-2-----	Benzene	56		
10061-02-6-----	trans-1,3-Dichloropropene	13	1U	
75-25-2-----	Bromoform	13	1U	
108-10-1-----	4-Methyl-2-Pentanone	13	1U	
591-78-6-----	2-Hexanone	13	1U	
127-18-4-----	Tetrachloroethene	13	1U	
79-34-5-----	1,1,2,2-Tetrachloroethane	13	1U	
108-88-3-----	Toluene	55		
108-90-7-----	Chlorobenzene	65		
100-41-4-----	Ethylbenzene	13	1U	159
100-42-5-----	Styrene	13	1U	
1330-20-7-----	Xylene (total)	13	1U	



Data File: >B3252::B1

Quant Output File: ^B3252::QT

Name: MSD/B,

Instrument ID: B

Misc: T403120-01MS,S,5.0,EB-21 MS,

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940314 10:23

Operator ID: EILEEN

Quant Time : 940314 13:48

Injected at: 940314 13:11

QUANT REPORT

Page 1

Operator ID: EILEEN
 Output File: ^B3252::QT
 Data File: >B3252::B1
 Name: MSD/B,
 Sample: T403120-01MS,S,5.0,EB-21 MS,

Quant Rev: 7 Quant Time: 940314 13:48
 Injected at: 940314 13:11
 Dilution Factor: 1.00000
 Instrument ID: B

File: IDB90S::C2
 Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS
 Last Calibration: 940126 15:13 Last Qcal Time: 940314 10:23

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	8.52	127.9	55889	50.00	UG/L	79
2)	1,1-Dichloroethene	4.01	96.0	46808	50.65	UG/L	88
3)	1,2-Dichloroethane-d4 (S)	9.67	65.0	78832	48.37	UG/L	93
16)	*1,4-Difluorobenzene	10.70	114.0	211558	50.00	UG/L	96
5)	Benzene	9.70	78.0	155229	43.45	UG/L	97
4)	Trichloroethene	11.05	130.0	81657	45.19	UG/L	98
28)	*Chlorobenzene-d5	16.36	117.0	182995	50.00	UG/L	94
30)	Toluene-d8 (S)	13.46	98.0	195922	49.74	UG/L	97
31)	Toluene	13.58	92.0	108319	43.13	UG/L	98
34)	Chlorobenzene	16.41	112.0	171759	51.02	UG/L	97
38)	Bromofluorobenzene (S)	18.91	95.0	169751	47.84	UG/L	97

Compound is ISTD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

P-1/MS

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403167-01/MS

Sample wt/vol: 4.0 [g/mL] G

Lab File ID: >C3339

Level: [low/med] MED

Date Received: 03/14/94

% Moisture: 4.0 decanted (Y/N) N

Date Analyzed : 03/21/94

GC Column: CAP ID: 0.53 (mm)

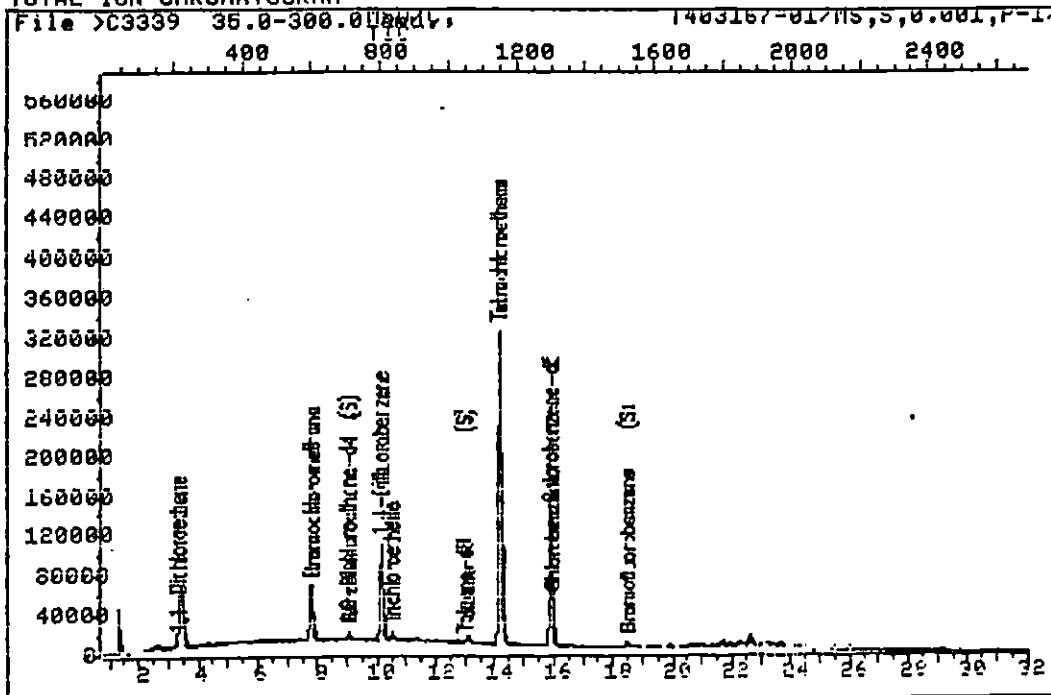
Dilution Factor: 40.0

Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 2.5(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
74-87-3-----	Chloromethane	52000	IU
74-83-9-----	Bromomethane	52000	IU
75-01-4-----	Vinyl Chloride	52000	IU
75-00-3-----	Chloroethane	52000	IU
75-09-2-----	Methylene Chloride	52000	IU
67-64-1-----	Acetone	52000	IU
75-15-0-----	Carbon Disulfide	52000	IU
75-35-4-----	1,1-Dichloroethene	27000	I J
75-34-3-----	1,1-Dichloroethane	52000	IU
540-59-0-----	1,2-Dichloroethene (total)	52000	IU
67-66-3-----	Chloroform	52000	IU
107-06-2-----	1,2-Dichloroethane	52000	IU
78-93-3-----	2-Butanone	52000	IU
71-55-6-----	1,1,1-Trichloroethane	52000	IU
56-23-5-----	Carbon Tetrachloride	52000	IU
75-27-4-----	Bromodichloromethane	52000	IU
78-87-5-----	1,2-Dichloropropane	52000	IU
10061-01-5-----	cis-1,3-Dichloropropene	52000	IU
79-01-6-----	Trichloroethene	23000	I J
124-48-1-----	Dibromochloromethane	52000	IU
79-00-5-----	1,1,2-Trichloroethane	52000	IU
71-43-2-----	Benzene	26000	I J
10061-02-6-----	trans-1,3-Dichloropropene	52000	IU
75-25-2-----	Bromoform	52000	IU
108-10-1-----	4-Methyl-2-Pentanone	52000	IU
591-78-6-----	2-Hexanone	52000	IU
127-18-4-----	Tetrachloroethene	560000	(
79-34-5-----	1,1,2,2-Tetrachloroethane	52000	IU
108-88-3-----	Toluene	19000	I J
108-90-7-----	Chlorobenzene	17000	I J
100-41-4-----	Ethylbenzene	52000	IU
100-42-5-----	Styrene	52000	IU
1330-20-7-----	Xylene (total)	52000	IU

TOTAL ION CHROMATOGRAM



Data File: >C3339::C4

Name: MSD/C,

Misc: T403167-01/MS,S,0.001,P-1/MS,

Quant Output File: ^C3339::QT

Instrument ID: C

Id File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16 ,

Operator ID: ANDY

Quant Time : 940321 15:38

Injected at: 940321 15:05

QUANT REPORT

Page 1

Operator ID: ANDY
 Output File: ^C3339::QT
 Data File: >C3339::C4
 Name: MSD/C,

Quant Rev: 7 Quant Time: 940321 15:38
 Injected at: 940321 15:05
 Dilution Factor: 1.00000
 Instrument ID: C

Misc: T403167-01/MS,S,0.001,P-1/MS,

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	7.79	127.9	52656	50.00	UG/L	99
6) 1,1-Dichloroethene	3.30	96.0	5432M	5.24	UG/L	
15) 1,2-Dichloroethane-d4 (S)	9.02	65.0	2896M	1.42	UG/L	
16) *1,4-Difluorobenzene	10.11	114.0	243791	50.00	UG/L	96
19) Benzene	9.06	78.0	17569	5.02	UG/L	96
20) Trichloroethene	10.47	130.0	9118	4.50	UG/L	97
28) *Chlorobenzene-d5	15.87	117.0	227475	50.00	UG/L	97
30) Toluene-d8 (S)	12.96	98.0	5097	1.05	UG/L	96
31) Toluene	13.07	92.0	10952M	3.69	UG/L	85
32) Tetrachloroethene	14.15	164.0	259608	108.26	UG/L	95
34) Chlorobenzene	15.93	112.0	13906	3.29	UG/L	89
38) Bromofluorobenzene (S)	18.47	95.0	9169	1.99	UG/L	98

*. Compound is ISTD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

EB-21 MSD

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403120-01MSD

Sample wt/vol: 5.0 [g/mL] G

Lab File ID: >B3253

Level: [low/med] LOW

Date Received: 03/11/94

% Moisture: 22.0 decanted (Y/N) N

Date Analyzed : 03/14/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

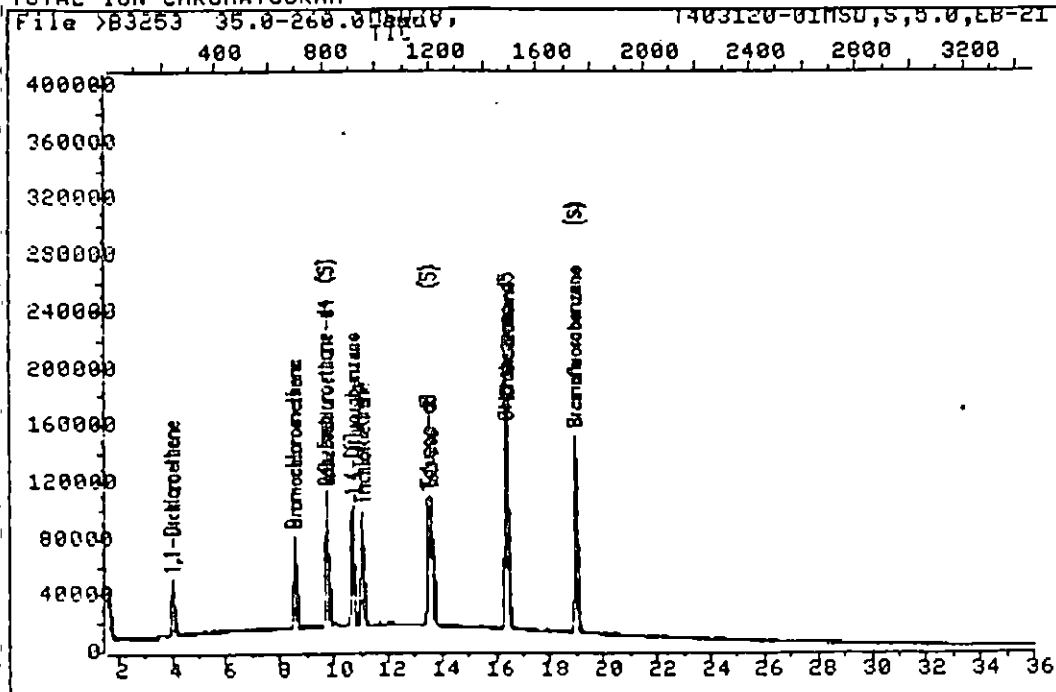
Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		[ug/L or ug/Kg]	UG/KG	
74-87-3	-----Chloromethane	13	IU	
74-83-9	-----Bromomethane	13	IU	
75-01-4	-----Vinyl Chloride	13	IU	
75-00-3	-----Chloroethane	13	IU	
75-09-2	-----Methylene Chloride	13	IU	
67-64-1	-----Acetone	13	IU	
75-15-0	-----Carbon Disulfide	13	IU	
75-35-4	-----1,1-Dichloroethene	71		
75-34-3	-----1,1-Dichloroethane	13	IU	
540-59-0	-----1,2-Dichloroethene (total)	13	IU	
67-66-3	-----Chloroform	13	IU	
107-06-2	-----1,2-Dichloroethane	13	IU	
78-93-3	-----2-Butanone	13	IU	
71-55-6	-----1,1,1-Trichloroethane	13	IU	
56-23-5	-----Carbon Tetrachloride	13	IU	
75-27-4	-----Bromodichloromethane	13	IU	
78-87-5	-----1,2-Dichloropropane	13	IU	
10061-01-5	-----cis-1,3-Dichloropropene	13	IU	
79-01-6	-----Trichloroethene	62		
124-48-1	-----Dibromochloromethane	13	IU	
79-00-5	-----1,1,2-Trichloroethane	13	IU	
71-43-2	-----Benzene	60		
10061-02-6	-----trans-1,3-Dichloropropene	13	IU	
75-25-2	-----Bromoform	13	IU	
108-10-1	-----4-Methyl-2-Pentanone	13	IU	
591-78-6	-----2-Hexanone	13	IU	
127-18-4	-----Tetrachloroethene	13	IU	
79-34-5	-----1,1,2,2-Tetrachloroethane	13	IU	
108-88-3	-----Toluene	60		
108-90-7	-----Chlorobenzene	70		
100-41-4	-----Ethylbenzene	13	IU	
100-42-5	-----Styrene	13	IU	
1330-20-7	-----Xylene (total)	13	IU	

165

TOTAL ION CHROMATOGRAM



Data File: >B3253::B1

Quant Output File: ^B3253::QT

Name: MSD/B,

Instrument ID: B

Misc: T403120-01MSD,S,5.0,EB-21 MSD,

Id File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940314 10:23

Operator ID: EILEEN

Quant Time : 940314 14:32

Injected at: 940314 13:55

QUANT REPORT

Page 1

Operator ID: EILEEN
Output File: ^B3253::QT
Data File: >B3253::B1
Name: MSD/B,
Misc: T403120-01MSD,S,5.0,EB-21 MSD,

Quant Rev: 7 Quant Time: 940314 14:32
 Injected at: 940314 13:55
Dilution Factor: 1.00000
Instrument ID: B

File: IDB90S::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940126 15:13

Last Qcal Time: 940314 10:23

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Bromochloromethane	8.50	127.9	54923	50.00	UG/L	80
6) 1,1-Dichloroethene	3.97	96.0	50505	55.54	UG/L	86
5) 1,2-Dichloroethane-d4 (S)	9.67	65.0	79856	49.86	UG/L	90
16) *1,4-Difluorobenzene	10.68	114.0	208746	50.00	UG/L	96
9) Benzene	9.69	78.0	165179	46.86	UG/L	98
10) Trichloroethene	11.05	130.0	86195	48.34	UG/L	96
28) *Chlorobenzene-d5	16.35	112.0	182606	50.00	UG/L	93
30) Toluene-d8 (S)	13.46	98.0	194818	49.57	UG/L	97
1) Toluene	13.58	92.0	116630	46.54	UG/L	99
34) Chlorobenzene	16.40	112.0	183677	54.67	UG/L	99
38) Bromofluorobenzene (S)	18.91	95.0	170585	48.17	UG/L	98

Compound is ISTD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

P-1/MSD

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403167-01/MSD

Sample wt/vol: 4.0 [g/mL] G

Lab File ID: >C3340

Level: [low/med] MED

Date Received: 03/14/94

% Moisture: 4.0 decanted (Y/N) N

Date Analyzed : 03/21/94

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 40.0

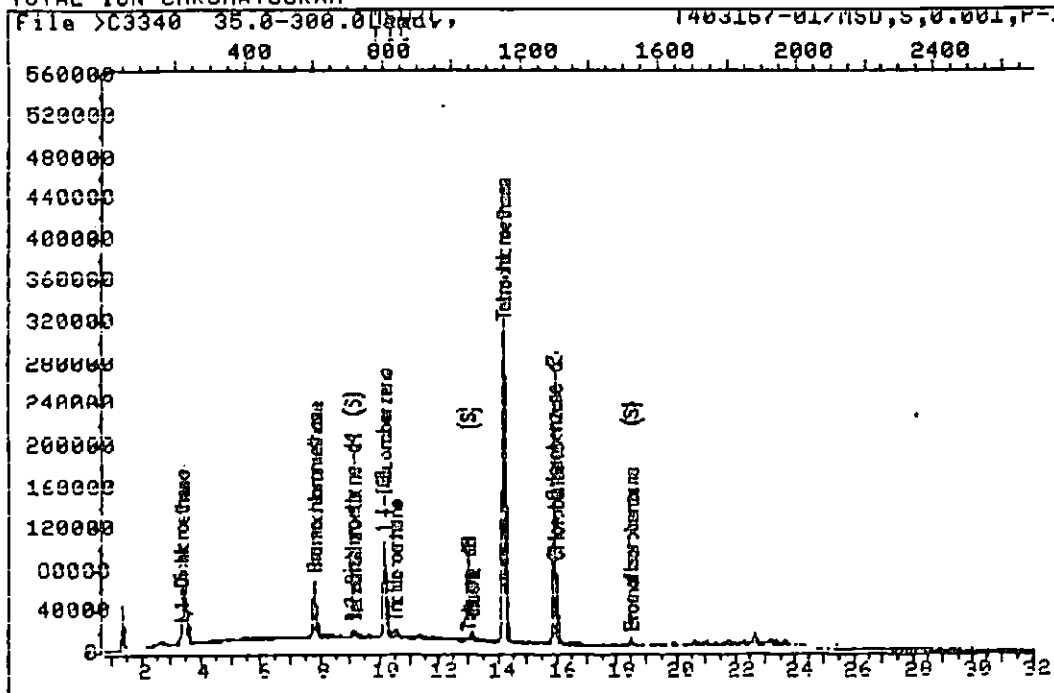
Soil Extract Volume: 10000(uL)

Soil Aliquot Volume: 2.5(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q

74-87-3-----	Chloromethane	52000	IU
74-83-9-----	Bromomethane	52000	IU
75-01-4-----	Vinyl Chloride	52000	IU
75-00-3-----	Chloroethane	52000	IU
75-09-2-----	Methylene Chloride	52000	IU
67-64-1-----	Acetone	52000	IU
75-15-0-----	Carbon Disulfide	52000	IU
75-35-4-----	1,1-Dichloroethene	28000	I J
75-34-3-----	1,1-Dichloroethane	52000	IU
540-59-0-----	1,2-Dichloroethene (total)	52000	IU
67-66-3-----	Chloroform	52000	IU
107-06-2-----	1,2-Dichloroethane	52000	IU
78-93-3-----	2-Butanone	52000	IU
71-55-6-----	1,1,1-Trichloroethane	52000	IU
56-23-5-----	Carbon Tetrachloride	52000	IU
75-27-4-----	Bromodichloromethane	52000	IU
78-87-5-----	1,2-Dichloropropane	52000	IU
10061-01-5-----	cis-1,3-Dichloropropene	52000	IU
79-01-6-----	Trichloroethene	23000	I J
124-48-1-----	Dibromochloromethane	52000	IU
79-00-5-----	1,1,2-Trichloroethane	52000	IU
71-43-2-----	Benzene	23000	I J
10061-02-6-----	trans-1,3-Dichloropropene	52000	IU
75-25-2-----	Bromoform	52000	IU
108-10-1-----	4-Methyl-2-Pentanone	52000	IU
591-78-6-----	2-Hexanone	52000	IU
127-18-4-----	Tetrachloroethene	580000	I
79-34-5-----	1,1,2,2-Tetrachloroethane	52000	IU
108-88-3-----	Toluene	18000	I J
108-90-7-----	Chlorobenzene	19000	I J
100-41-4-----	Ethylbenzene	52000	IU
100-42-5-----	Styrene	52000	IU
1330-20-7-----	Xylene (total)	52000	IU

TOTAL ION CHROMATOGRAM



Data File: >C3340::C4

Quant Output File: ^C3340::QT

Name: MSD/C,

Instrument ID: C

Misc: T403167-01/MSD,S,0.001,P-1/MSD,

Id File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16 ,

Operator ID: ANDY

Quant Time : 940321 16:15

Injected at: 940321 15:42

QUANT REPORT

Page 1

Operator ID: ANDY Quant Rev: 7 Quant Time: 940321 16:15
Output File: ^C3340::QT Injected at: 940321 15:42
Data File: >C3340::C4 Dilution Factor: 1.00000
Name: MSD/C, Instrument ID: C
Misc: T403167-01/MSD,S,0.001,P-1/MSD,

ID File: IDC90L::C2

Title: LABORATORY RESOURCES ID FILE FOR VOLATILE CLP ORGANICS GC/MS

Last Calibration: 940307 14:32

Last Qcal Time: 940321 10:16

	Compound	R.T.	Q ion.	Area	Conc	Units	q
1)	*Bromochloromethane	7.79	127.9	50824	50.00	UG/L	97
6)	1,1-Dichloroethene	3.32	96.0	5379	5.38	UG/L	90
15)	1,2-Dichloroethane-d4 (S)	9.04	65.0	2860M	1.45	UG/L	87
16)	*1,4-Difluorobenzene	10.11	114.0	234203	50.00	UG/L	95
19)	Benzene	9.08	78.0	15093	4.49	UG/L	88
20)	Trichloroethene	10.49	130.0	8598	4.41	UG/L	97
28)	*Chlorobenzene-d5	15.87	117.0	215883	50.00	UG/L	96
30)	Toluene-d8 (S)	12.98	98.0	4942M	1.07	UG/L	92
31)	Toluene	13.10	92.0	9861	3.50	UG/L	78
32)	Tetrachloroethene	14.15	164.0	255419	112.23	UG/L	94
34)	Chlorobenzene	15.92	112.0	14544	3.63	UG/L	94
38)	Bromofluorobenzene (S)	18.47	95.0	9349	2.14	UG/L	85

* Compound is ISTD

20

Contract:

SDG No.: 316601

Level: (low/med) LOW

[illegible]

		QC LIMITS
S1	(NBZ) = Nitrobenzene-d5	(23-120)
S2	(FBP) = 2-Fluorobiphenyl	(30-115)
S3	(TPH) = Terphenyl-d14	(18-137)
S4	(PHL) = Phenol-d5	(24-113)
S5	(2FP) = 2-Fluorophenol	(25-121)
S6	(TBP) = 2,4,6-Tribromophenol	(19-122)
S7	(2CP) = 2-Chlorophenol-d4	(20-130) (advisory)
S8	(DCB) = 1,2-Dichlorobenzene-d4	(20-130) (advisory)

```
# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out
```

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 326601

Matrix Spike - NYSDCE Sample No: SP1 40

Level: (low/med) LDW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	5155	303	5612	103 *	26- 90
2-Chlorophenol	5155	0	4562	89	25-102
1,4-Dichlorobenzene	3436	0	2843	83	28-104
N-Nitroso-di-n-propylamine	3436	0	4335	126	41-126
1,2,4-Trichlorobenzene	3436	0	3098	90	38-107
4-Chloro-3-methylphenol	5155	0	4613	90	26-103
Acenaphthene	3436	0	2754	80	31-137
4-Nitrophenol	5155	0	6600	128 *	11-114
2,4-Dinitrotoluene	3436	0	3441	100 *	28- 89
Pentachlorophenol	5155	0	5880	114 *	17-109
Pyrene	3436	33	2932	84	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Phenol	5155	4762	86	18	35 26- 90
2-Chlorophenol	5155	4289	83	7	50 25-102
1,4-Dichlorobenzene	3436	2257	66	23	27 28-104
N-Nitroso-di-n-propylamine	3436	4140	120	5	38 41-126
1,2,4-Trichlorobenzene	3436	3053	89	1	23 38-107
4-Chloro-3-methylphenol	5155	4233	82	9	33 26-103
Acenaphthene	3436	2707	79	1	19 31-137
4-Nitrophenol	5155	6577	128 *	0	50 11-114
2,4-Dinitrotoluene	3436	3465	101 *	1	47 28- 89
Pentachlorophenol	5155	6241	121 *	6	47 17-109
Pyrene	3436	2895	83	1	36 35-142

Column to be used to flag recovery and RPD value with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 7 out of 22 outside limits

Comment:

SEMIVOLATILE METHOD BLANK SUMMARY

SELK 01

Contract:

SDG No.: 316601

Lab Sample ID: SBLK-QM5895T1

Date Extracted: 03/16/94

Date Analyzed: 03/28/94

Time Analyzed: 16:28

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

[illegible]

COMMENTS:

5B
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

b Name: LRI

Contract:

b Code: LRI

Case No.:03166

SAS No.:

SDG No.:316601

Lab File ID: >A9200

DFTPP Injection Date: 3/10/94

Instrument ID: MSD/A

DFTPP Injection Time: 13:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	59.0	
68	Less than 2.0% of mass 69	0.0	0.0)1
69	Present	71.	
70	Less than 2.0% of mass 69	0.0	0.0)1
127	40.0 - 60.0% of mass 198	40.3	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.	
199	5.0 - 9.0% of mass 198	6.3	
275	10.0 - 30.0% of mass 198	20.7	
365	Greater than 1.00% of mass 198	1.43	
441	Present, but less than mass 443	9.0	
442	40.0 - 110.0% of mass 198	66.2	
443	17.0 - 23.0% of mass 442	12.1	18.2)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	ANALYZED
1SSTD 50	SSTD 50	>A9201	940310	15:12
2SSTD 160	SSTD 160	>A9202	940310	16:03
3SSTD 120	SSTD 120	>A9203	940310	16:55
4SSTD 80	SSTD 80	>A9204	940310	17:46
5SSTD 20	SSTD 20	>A9205	940310	18:37

5B
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Lab File ID: >A9370

DFTPP Injection Date: 3/28/94

Instrument ID: MSD/A

DFTPP Injection Time: 3/28/94 15:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	58.3
68	Less than 2.0% of mass 69	0.0 0.0)1
69	Present	69.
70	Less than 2.0% of mass 69	0.0 0.0)1
127	40.0 - 60.0% of mass 198	45.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	6.0
275	10.0 - 30.0% of mass 198	15.6
365	Greater than 1.00% of mass 198	1.46
441	Present, but less than mass 443	6.5
442	40.0 - 110.0% of mass 198	42.8
443	17.0 - 23.0% of mass 442	7.5 17.6)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	ANALYZED
1 SSTD 50	SSTD 50	>A9371	940328	15:34
2 SBLK 01	SBLK-QM5895T1	>A9372	940328	16:28
3 SBLK MS	SBLK-QM5895MS	>A9373	940328	17:22
4 SP1 40	T403166-01	>A9374	940328	18:15
5 SP1 40 MS	T403166-01MS	>A9375	940328	19:08
6 SP1 40 MSD	T403166-01MSD	>A9376	940328	20:02
7 SP1 45	T403166-02	>A9377	940328	20:55

5B

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No. :

SDG No.:316601

Lab File ID: >A9390

DFTPP Injection Date: 3/29/94

Instrument ID: MSD/A

DFTPP Injection Time: 14:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.5
68	Less than 2.0% of mass 69	0.0 0.0)1
69	Present	62.
70	Less than 2.0% of mass 69	0.0 0.0)1
127	40.0 - 60.0% of mass 198	42.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	5.9
275	10.0 - 30.0% of mass 198	17.1
365	Greater than 1.00% of mass 198	1.15
441	Present, but less than mass 443	8.4
442	40.0 - 110.0% of mass 198	61.3
443	17.0 - 23.0% of mass 442	10.7 17.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANK, AND STANDARDS:

[illegible]

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 40

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-01

Sample wt/vol: 30.00

[g/mL] G

Lab File ID: >A9374

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y

pH: 7.21

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	[ug/L or ug/Kg] UG/KG	Q
108-95-2-----	Phenol	300	J
111-44-4-----	bis(2-chloroethyl)ether	340IU	
95-57-8-----	2-Chlorophenol	340IU	
541-73-1-----	1,3-Dichlorobenzene	340IU	
106-46-7-----	1,4-Dichlorobenzene	340IU	
95-50-1-----	1,2-Dichlorobenzene	340IU	
95-48-7-----	2-Methylphenol	340IU	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	340IU	
106-44-5-----	4-Methylphenol	340IU	
621-64-7-----	N-Nitroso-di-n-propylamine	340IU	
67-72-1-----	Hexachloroethane	340IU	
98-95-3-----	Nitrobenzene	340IU	
78-59-1-----	Isophorone	340IU	
88-75-5-----	2-Nitrophenol	340IU	
105-67-9-----	2,4-Dimethylphenol	340IU	
111-91-1-----	bis(2-Chloroethoxy)methane	340IU	
120-83-2-----	2,4-Dichlorophenol	340IU	
120-82-1-----	1,2,4-Trichlorobenzene	340IU	
91-20-3-----	Naphthalene	340IU	
106-47-8-----	4-Chloroaniline	340IU	
87-68-3-----	Hexachlorobutadiene	340IU	
59-50-7-----	4-Chloro-3-methylphenol	340IU	
91-57-6-----	2-Methylnaphthalene	340IU	
77-47-8-----	Hexachlorocyclopentadiene	340IU	
88-06-2-----	2,4,6-Trichlorophenol	340IU	
95-95-4-----	2,4,5-Trichlorophenol	860IU	
91-58-7-----	2-Chloronaphthalene	340IU	
88-74-4-----	2-Nitroaniline	860IU	
131-11-3-----	Dimethylphthalate	340IU	
208-96-8-----	Acenaphthylene	340IU	
606-20-2-----	2,6-Dinitrotoluene	340IU	
99-09-2-----	3-Nitroaniline	860IU	
83-32-9-----	Acenaphthene	340IU	

177

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 40

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-01

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9374

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 7.21

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

51-28-5-----	2,4-Dinitrophenol	860IU	
100-02-7-----	4-Nitrophenol	860IU	
132-64-9-----	Dibenzofuran	340IU	
121-14-2-----	2,4-Dinitrotoluene	340IU	
84-73-7-----	Diethylphthalate	340IU	
7005-72-3-----	4-Chlorophenyl-phenylether	340IU	
86-73-7-----	Fluorene	340IU	
100-01-6-----	4-Nitroaniline	860IU	
534-52-1-----	4,6-Dinitro-2-methylphenol	860IU	
86-30-6-----	N-Nitrosodiphenylamine (1)	340IU	
101-55-3-----	4-Bromophenyl-phenylether	340IU	
118-74-1-----	Hexachlorobenzene	340IU	
87-86-5-----	Pentachlorophenol	860IU	
85-01-8-----	Phenanthrene	22	J
120-12-7-----	Anthracene	340IU	
86-74-8-----	Carbazole	340IU	
84-74-2-----	Di-n-butylphthalate	23	J
206-44-0-----	Fluoranthene	30	J
129-00-0-----	Pyrene	33	J
85-68-7-----	Butylbenzylphthalate	20	J
91-94-1-----	3,3'-Dichlorobenzidine	340IU	
56-55-3-----	Benzo(a)anthracene	340IU	
218-01-9-----	Chrysene	340IU	
117-81-7-----	bis(2-Ethylhexyl)phthalate	130	J
117-84-0-----	Di-n-octylphthalate	340IU	
205-99-2-----	Benzo(b)fluoranthene	340IU	
207-08-9-----	Benzo(k)fluoranthene	340IU	
50-32-8-----	Benzo(a)pyrene	340IU	
193-39-5-----	Indeno(1,2,3-cd)pyrene	340IU	
53-70-3-----	Dibenz(a,h)anthracene	340IU	
191-24-2-----	Benzo(g,h,i)perylene	340IU	

178

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SP1 40

Lab Name: LRI

Contract:

Lab Code: LRI

Case No. 03166

SAS No.:

SDG No.: 316601

Matrix: (soil/water) SOIL

Lab Sample ID: T403166-01

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: >A9374

Level: (low/med) LOW

Date Received: 03/14/94

Moisture: 3.0 decanted. (Y/N) N

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 (ul)

Date Analyzed: 03/28/94

Injection Volume: 2 (ul)

Dilution Factor: 1

Cleanup: (Y/N) Y

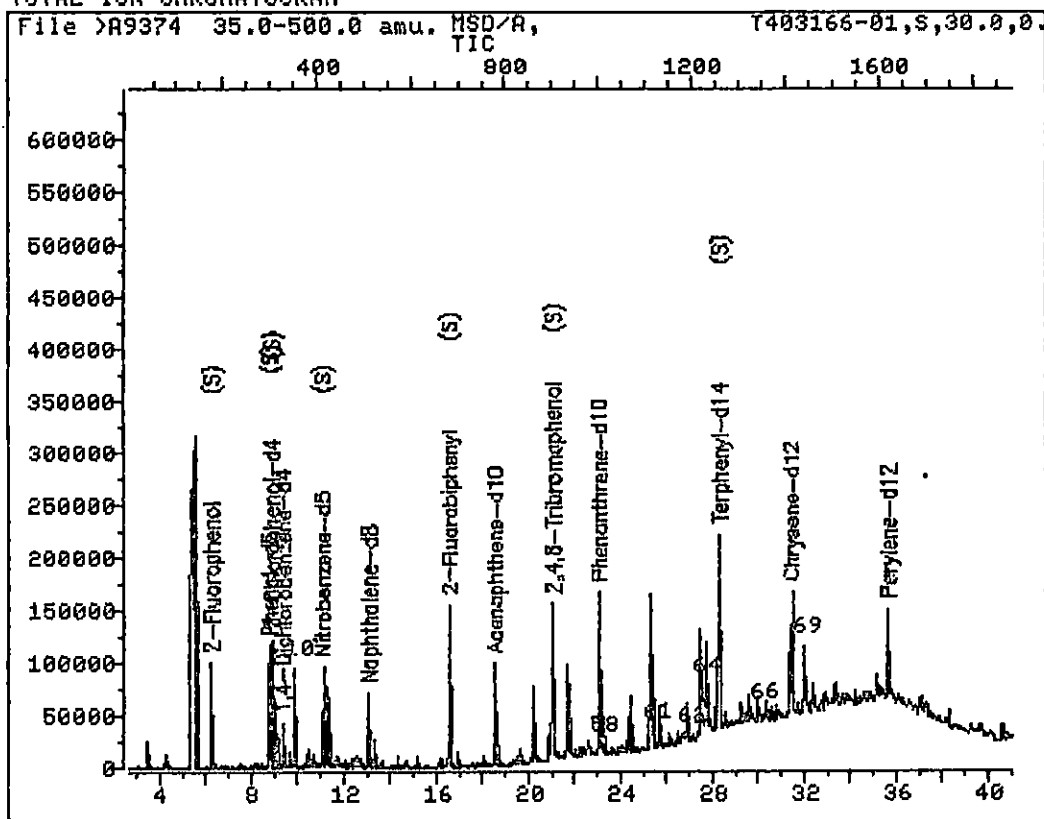
pH: 7.21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 23

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- - Aldol Condensation	5.55	8800.	J
2.	- - Unknown Alkane	9.10	210.	J
3.	- - Unknown Alkane	11.30	670.	J
4.	- - Unknown Alkane	13.33	220.	J
5.	- - Unknown Alkane	18.61	210.	J
6.	- - Unknown Alkane	20.18	410.	J
7.	- - Unknown Alkane	20.91	190.	J
8.	- - Unknown Alkane	21.67	310.	J
9.	- - Unknown Alkane	21.75	260.	J
10.	- - Unknown Alkane	24.42	190.	J
11.	57-10-3 Hexadecanoic acid (9CI)	25.29	770.	JN
12.	- - Unknown Alkane	25.70	150.	J
13.	60-33-3 9,12-Octadecadienoic acid (Z)	27.44	910.	JN
14.	57-11-4 Octadecanoic acid (9CI)	27.72	410.	JN
15.	- - Unknown	29.62	150.	J
16.	- - Unknown	31.32	220.	J
17.	- - Unknown Alkane	32.34	140.	J
18.	- - Unknown Alkane	32.91	140.	J
19.	- - Unknown Alkane	33.32	140.	J
20.	- - Unknown Alkane	34.24	140.	J
21.	- - Unknown Alkane	35.14	170.	J
22.	- - Unknown	38.25	170.	J
23.	- - Unknown	40.57	150.	J

TOTAL ION CHROMATOGRAM



Data File: >A9374::A2

Quant Output File: ^A9374::QT

Name: MSD/A,

Instrument ID: A

Misc: T403166-01,S,30.0,0.5,1,SPI 40,

BTL# 5

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Operator ID: BNA3

Quant Time : 940328 18:57

Injected at: 940328 18:15

QUANT REPORT

Page 1

Operator ID: BNA3
Output File: ^A9374::QT
Data File: >A9374::A2
Name: MSD/A,
Misc: T403166-01,S,30.0,0.5,1,SPt 40,
5PI

Quant Rev: 7 Quant Time: 940328 18:57
 Injected at: 940328 18:15
Dilution Factor: 1.00000
Instrument ID: A
BTL# 5

ID File: IDAB90::EX
Title: CLP SEMI-VOLATILE ID FILE
Last Calibration: 940311 08:27

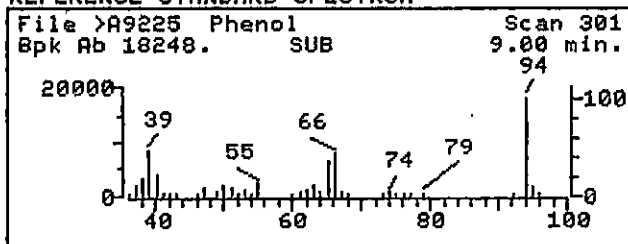
Last Qcal Time: 940328 15:34

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *1,4-Dichlorobenzene-d4	9.37	152.0	15350	40.00	NG	96
2) 2-Fluorophenol (S)	6.26	112.0	49409	106.76	NG	97
3) Phenol-d5 (S)	8.80	99.0	89989	122.40	NG	90
4) Phenol	8.82	94.0	12407	17.66	NG	60
5) 2-Chlorophenol-d4 (S)	8.88	132.0	65492	106.29	NG	83
10) 1,2-Dichlorobenzene-d4 (S)	9.90	152.0	31271	75.30	NG	92
17) *Naphthalene-d8	13.07	136.0	73495	40.00	NG	89
18) Nitrobenzene-d5 (S)	11.07	82.0	60904	78.00	NG	85
31) *Acenaphthene-d10	18.51	164.0	56227	40.00	NG	92
36) 2-Fluorobiphenyl (S)	16.54	172.0	148568	82.87	NG	95
51) 2,4,6-Tribromophenol (S)	21.04	330.0	45703	130.20	NG	89
52) *Phenanthrene-d10	23.07	188.0	108621	40.00	NG	99
58) Phenanthrene	23.13	178.0	4404	1.26	NG	91
61) Di-n-butylphthalate	25.37	149.0	7562	1.35	NG	98
62) Fluoranthene	26.86	202.0	6977	1.73	NG	97
63) *Chrysene-d12	31.44	240.0	142436	40.00	NG	98
64) Pyrene	27.54	202.0	8991	1.92	NG	96
65) Terphenyl-d14 (S)	28.29	244.0	261609	87.12	NG	85
66) Butylbenzylphthalate	30.03	149.0	4022	1.18	NG	89
69) bis(2-Ethylhexyl)phthalate	31.97	149.0	35628	7.74	NG	87
71) *Perylene-d12	35.63	264.0	112416	40.00	NG	96

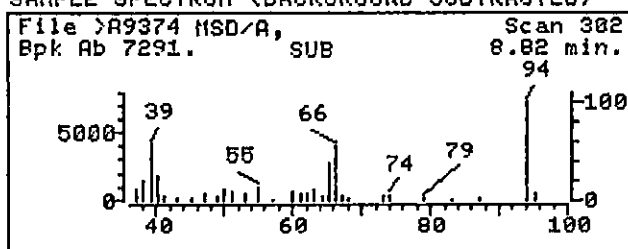
* Compound is ISTD

⑦
ML

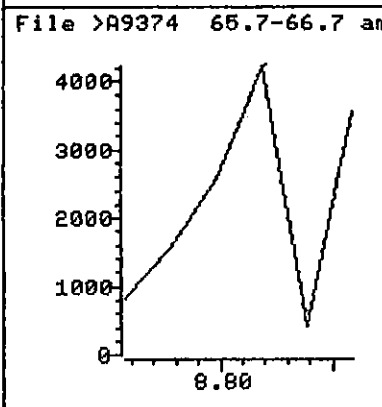
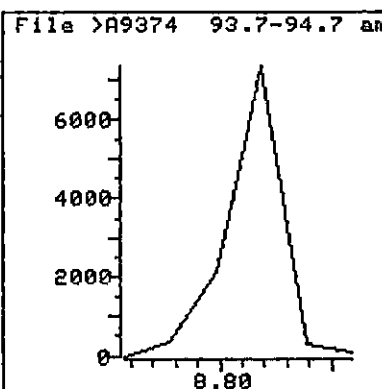
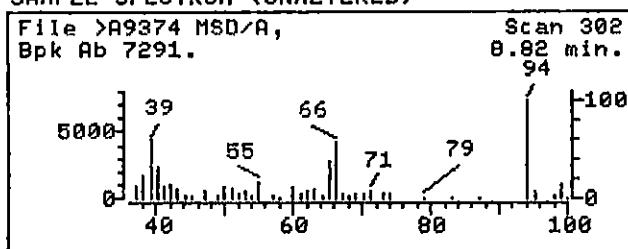
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >A9374::A2

Name: MSD/A,

Misc: T403166-01,S,30.0,0.5,1,SPI 40,

Quant Time: 940328 18:57

Injected at: 940328 18:15

Last Qcal Time: 940328 15:34

Quant Output File: ^A9374::QT

Instrument ID: A

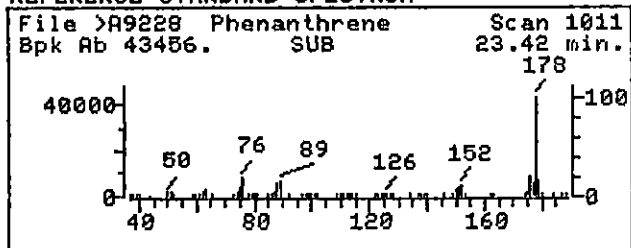
BTL# 5

Quant ID File: IDAB90::EX

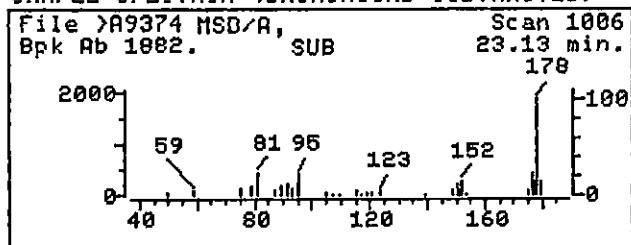
Last Calibration: 940311 08:27

Compound No : 4
Compound Name : Phenol
Scan Number : 302
Retention Time: 8.82 min.
Quant Ion : 94.0
Area : 12407
Concentration : 17.66 NG
q-value : 60

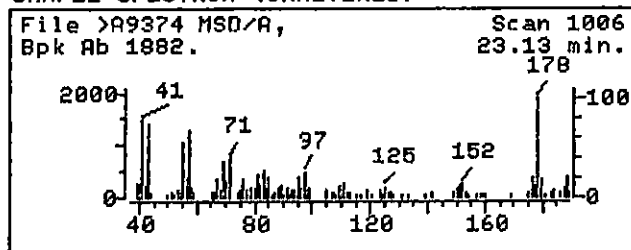
REFERENCE STANDARD SPECTRUM



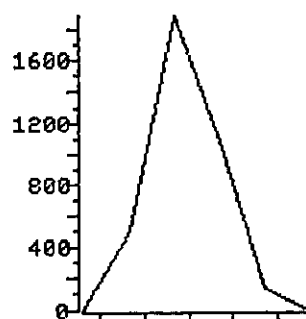
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



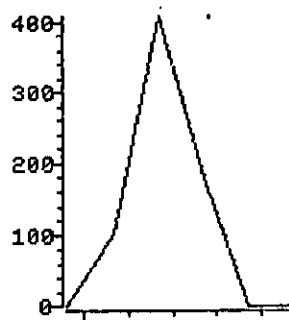
SAMPLE SPECTRUM (UNALTERED)



File >A9374 177.7-178.7



File >A9374 175.7-176.7

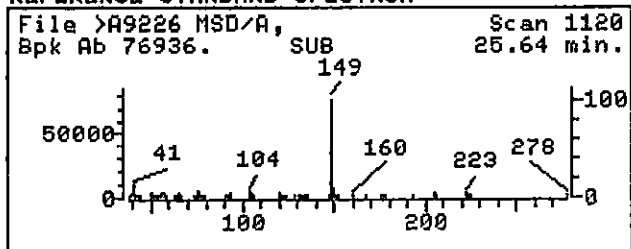


Data File: >A9374::A2
Name: MSD/A,
Misc: T403166-01,S,30.0,0.5,1,SPI 40,
Quant Time: 940328 18:57
Injected at: 940328 18:15
Last Qcal Time: 940328 15:34

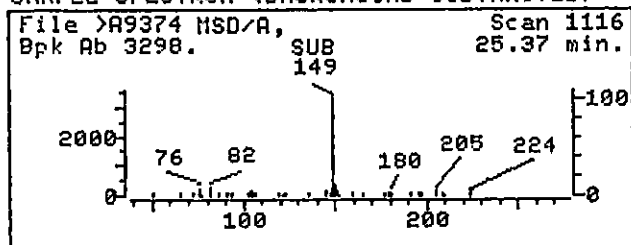
Quant Output File: ^A9374::QT
Instrument ID: A
BTL# 5
Quant ID File: IDAB90::EX
Last Calibration: 940311 08:27

Compound No : 58
Compound Name : Phenanthrene
Scan Number : 1006
Retention Time: 23.13 min.
Quant Ion : 178.0
Area : 4404
Concentration : 1.26 NG
q-value : 91

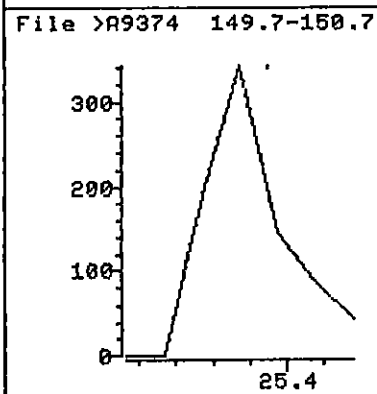
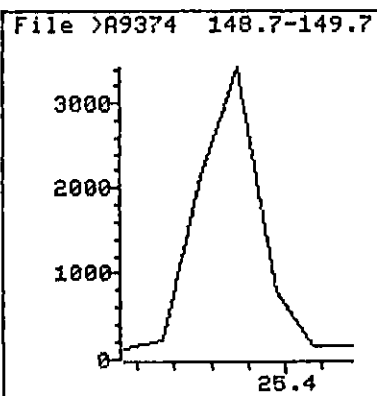
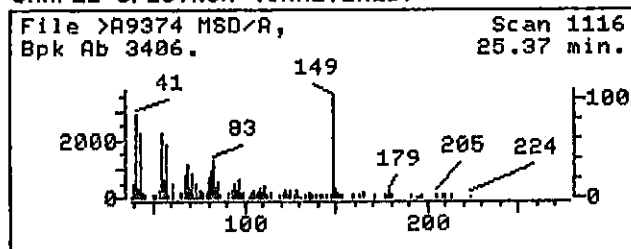
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >A9374::A2

Name: MSD/A,

Misc: T403166-01,S,30.0,0.5,1,SPI 40,

Quant Time: 940328 18:57

Injected at: 940328 18:15

Last Qcal Time: 940328 15:34

Quant Output File: ^A9374::QT

Instrument ID: A

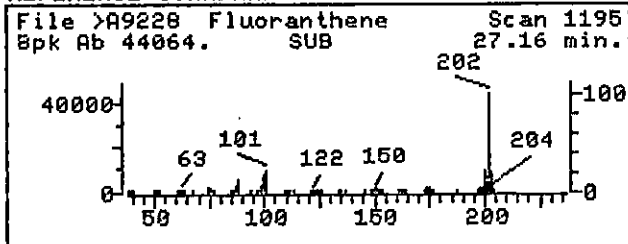
BTL# 5

Quant ID File: IDAB90::EX

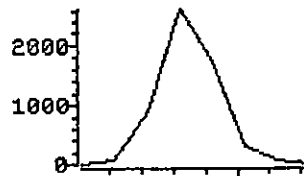
Last Calibration: 940311 08:27

Compound No : 61
Compound Name : Di-n-butylphthalate.
Scan Number : 1116
Retention Time: 25.37 min.
Quant Ion : 149.0
Area : 7562
Concentration : 1.35 NG
q-value : 98

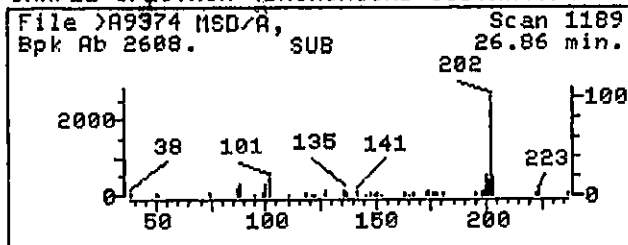
REFERENCE STANDARD SPECTRUM



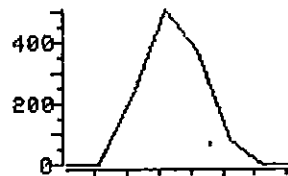
File >A9374 201.7-202.7



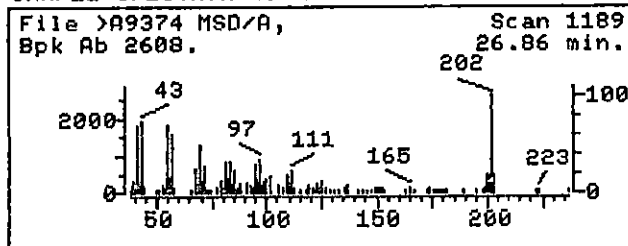
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



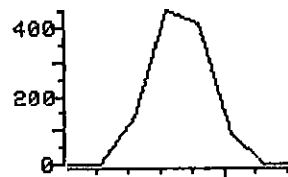
File >A9374 199.7-200.7



SAMPLE SPECTRUM (UNALTERED)



File >A9374 100.7-101.7

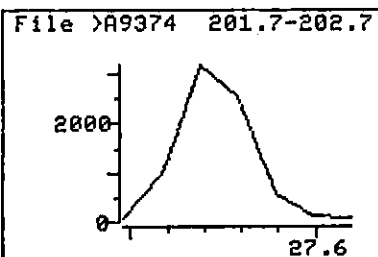
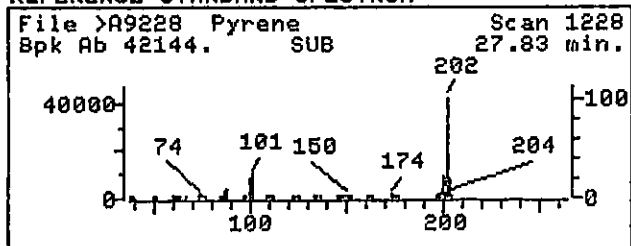


Data File: >A9374::A2
Name: MSD/A,
Misc: T403166-01,S,30.0,0.5,1,SPI 40,
Quant Time: 940328 18:57
Injected at: 940328 18:15
Last Qcal Time: 940328 15:34

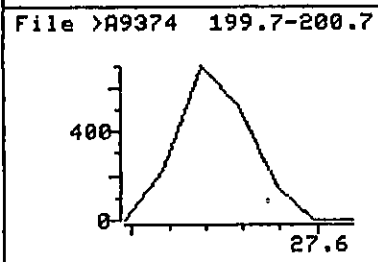
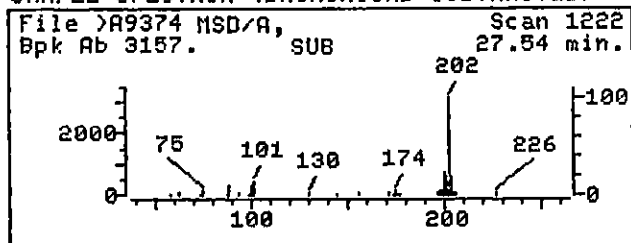
Quant Output File: ^A9374::QT
Instrument ID: A
BTL# 5
Quant ID File: IDAB90::EX
Last Calibration: 940311 08:27

Compound No : 62
Compound Name : Fluoranthene
Scan Number : 1189
Retention Time: 26.86 min.
Quant Ion : 202.0
Area : 6977
Concentration : 1.73 NG
q-value : 97

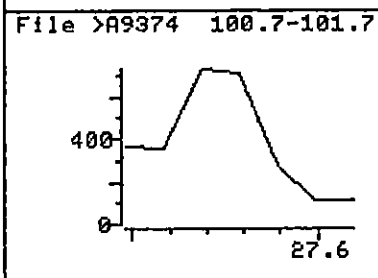
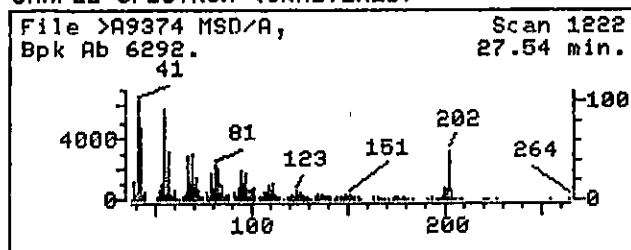
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

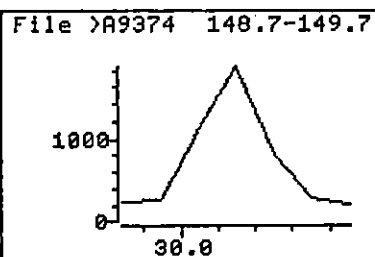
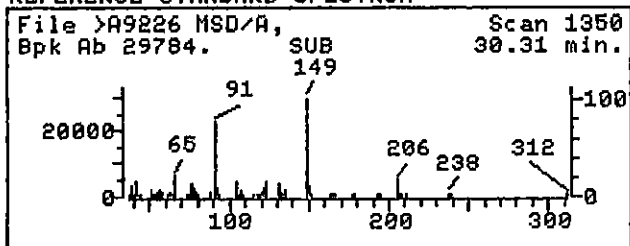


Data File: >A9374::A2
Name: MSD/A,
Misc: T403166-01,S,30.0,0.5,1,SPI 40,
Quant Time: 940328 18:57
Injected at: 940328 18:15
Last Qcal Time: 940328 15:34

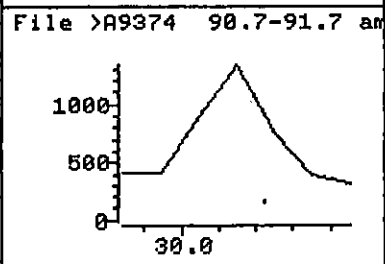
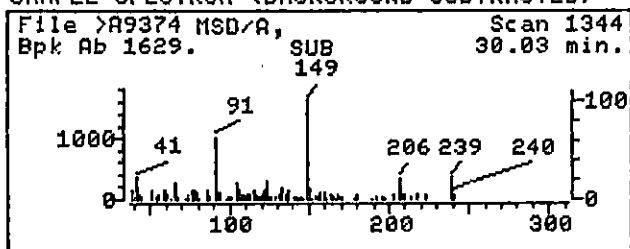
Quant Output File: ^A9374::QT
Instrument ID: A
BTL# 5
Quant ID File: IDAB90::EX
Last Calibration: 940311 08:27

Compound No : 64
Compound Name : Pyrene
Scan Number : 1222
Retention Time: 27.54 min.
Quant Ion : 202.0
Area : 8991
Concentration : 1.92 NG
q-value : 96

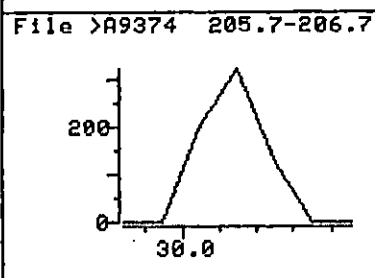
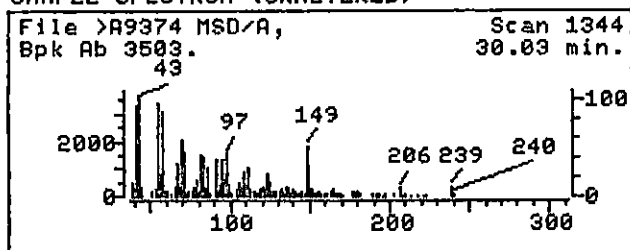
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >A9374::A2

Quant Output File: ^A9374::QT

Name: MSD/A,

Instrument ID: A

Misc: T403166-01,S,30.0,0.5,1,SPI 40,

BTL# 5

Quant Time: 940328 18:57

Quant ID File: IDAB90::EX

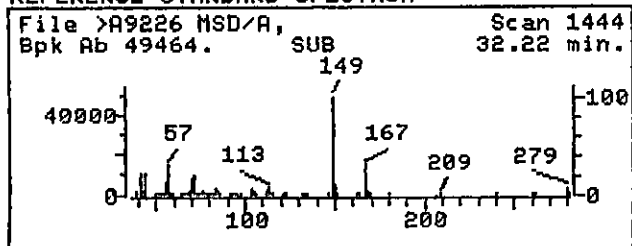
Injected at: 940328 18:15

Last Calibration: 940311 08:27

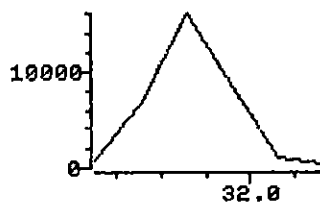
Last Qcal Time: 940328 15:34

Compound No : 66
Compound Name : Butylbenzylphthalate
Scan Number : 1344
Retention Time: 30.03 min.
Quant Ion : 149.0
Area : 4022
Concentration : 1.18 NG
q-value : 89

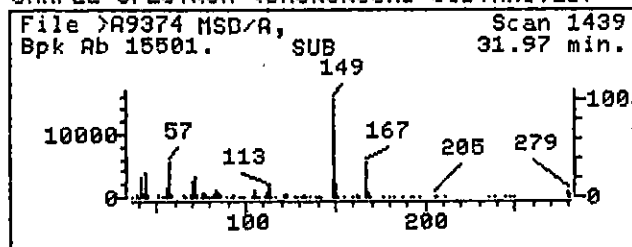
REFERENCE STANDARD SPECTRUM



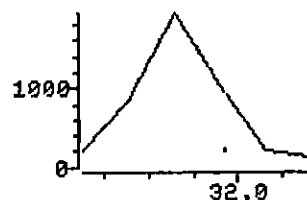
File >A9374 148.7-149.7



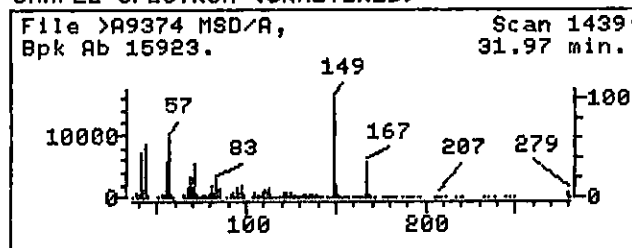
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



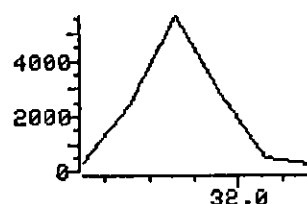
File >A9374 149.7-150.7



SAMPLE SPECTRUM (UNALTERED)



File >A9374 166.7-167.7



Data File: >A9374::A2

Quant Output File: ^A9374::QT

Name: MSD/A,

Instrument ID: A

Misc: T403166-01,S,30.0,0.5,1,SPI 40,

BTL# 5

Quant Time: 940328 18:57

Quant ID File: IDAB90::EX

Injected at: 940328 18:15

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Compound No : 69

Compound Name : bis(2-Ethylhexyl)phthalate

Scan Number : 1439

Retention Time: 31.97 min.

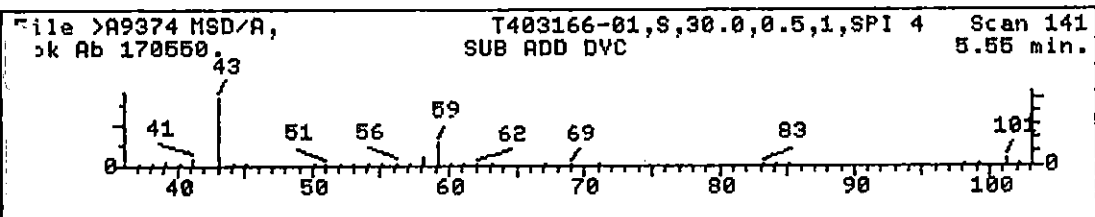
Quant Ion : 149.0

Area : 35628

Concentration : 7.74 NG

q-value : 87

Instrument ID : MSD/A,, Analysis Date : 3/28/94 18:15

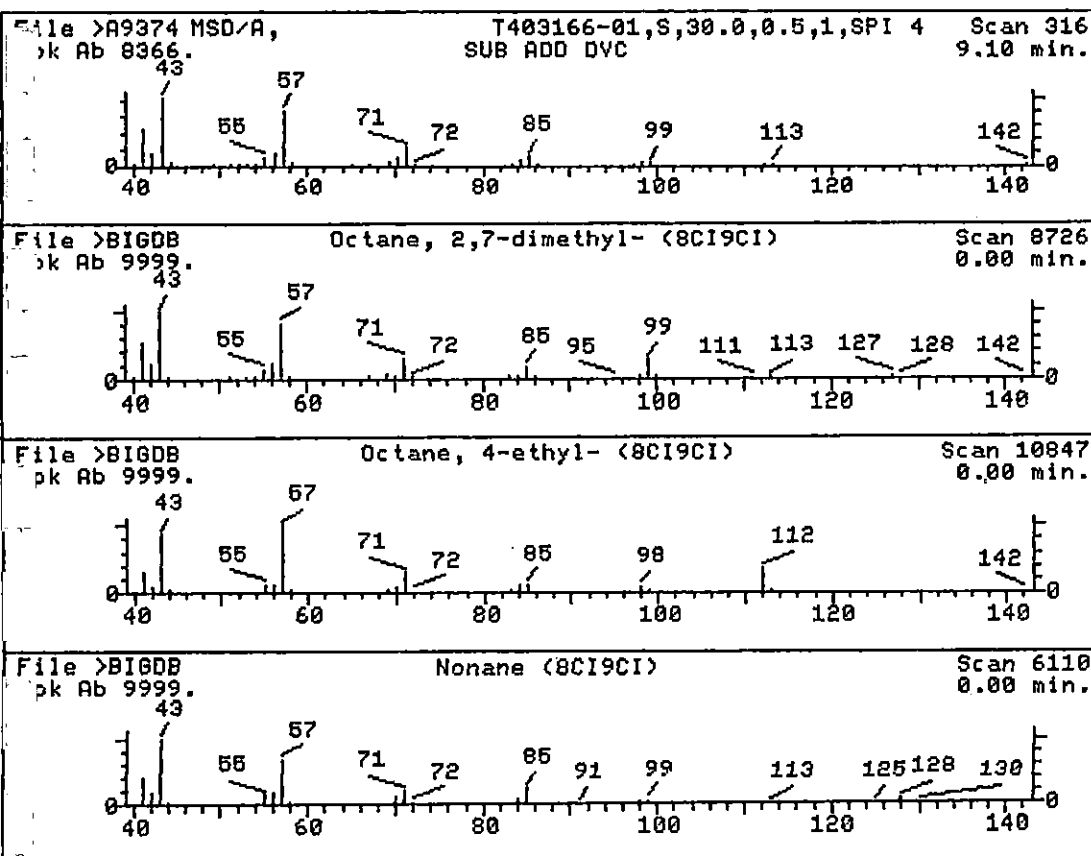


UNKNOWN #,1

AREA = 3576741. TENTATIVE CONCENTRATION IS 510.00

Sample file: >A9374 Spectrum #: 141

No data base entries were retrieved.



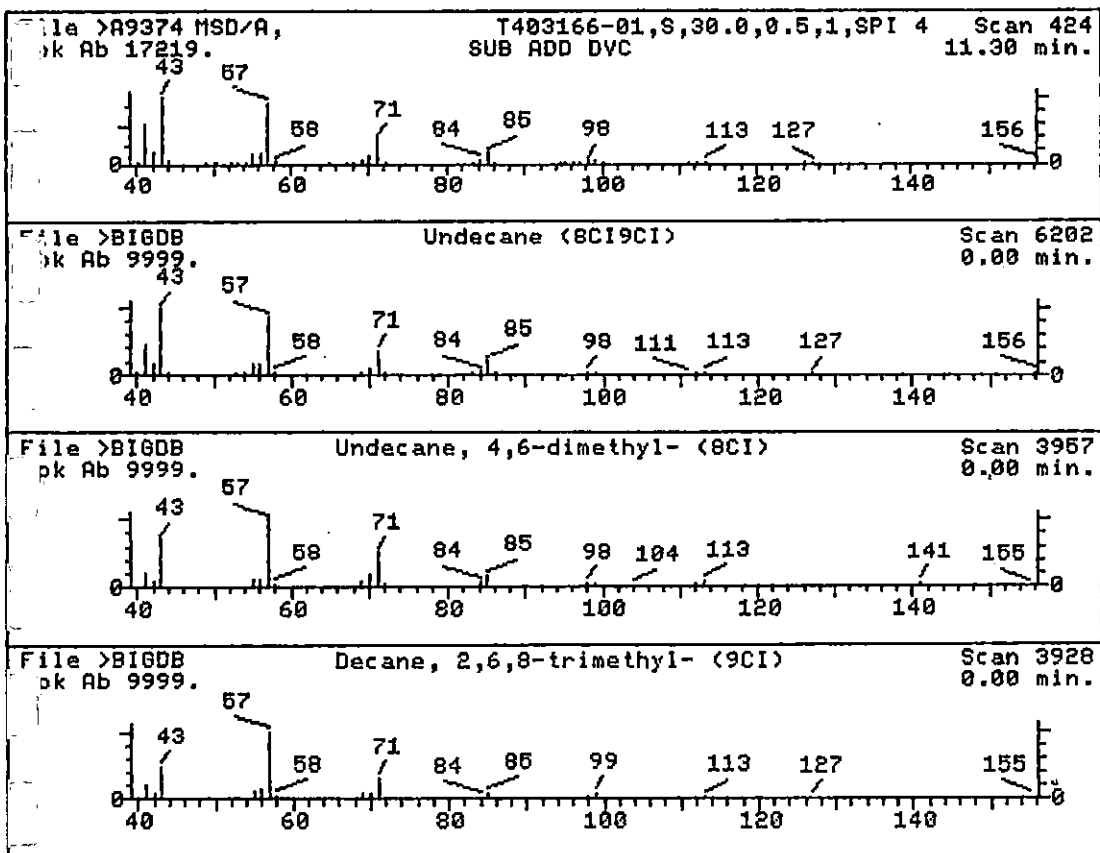
UNKNOWN #,2

AREA = 81407.00 TENTATIVE CONCENTRATION IS 12.00

1. Octane, 2,7-dimethyl- (8CI9CI)	142 C10H22
2. Octane, 4-ethyl- (8CI9CI)	142 C10H22
3. Nonane (8CI9CI)	128 C9H20
4. Decane, 2,5,9-trimethyl- (9CI)	184 C13H28
5. Decane, 6-ethyl-2-methyl- (9CI)	184 C13H28

Sample file: >A9374 Spectrum #: 316
 Search speed: 1 Tilting option: N No. of ion ranges searched: 53

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	79*	1072168	8726	"BIGDB	54	41	2	0	74	10	48	34
2.	76*	15869860	10847	"BIGDB	43	50	2	0	80	10	45	23
3.	67	111842	6110	"BIGDB	62	34	2	0	93	14	34	22
4.	67	62108229	3927	"BIGDB	49	42	0	0	66	14	34	28
5.	60	62108218	6163	"BIGDB	50	49	2	0	56	12	30	12



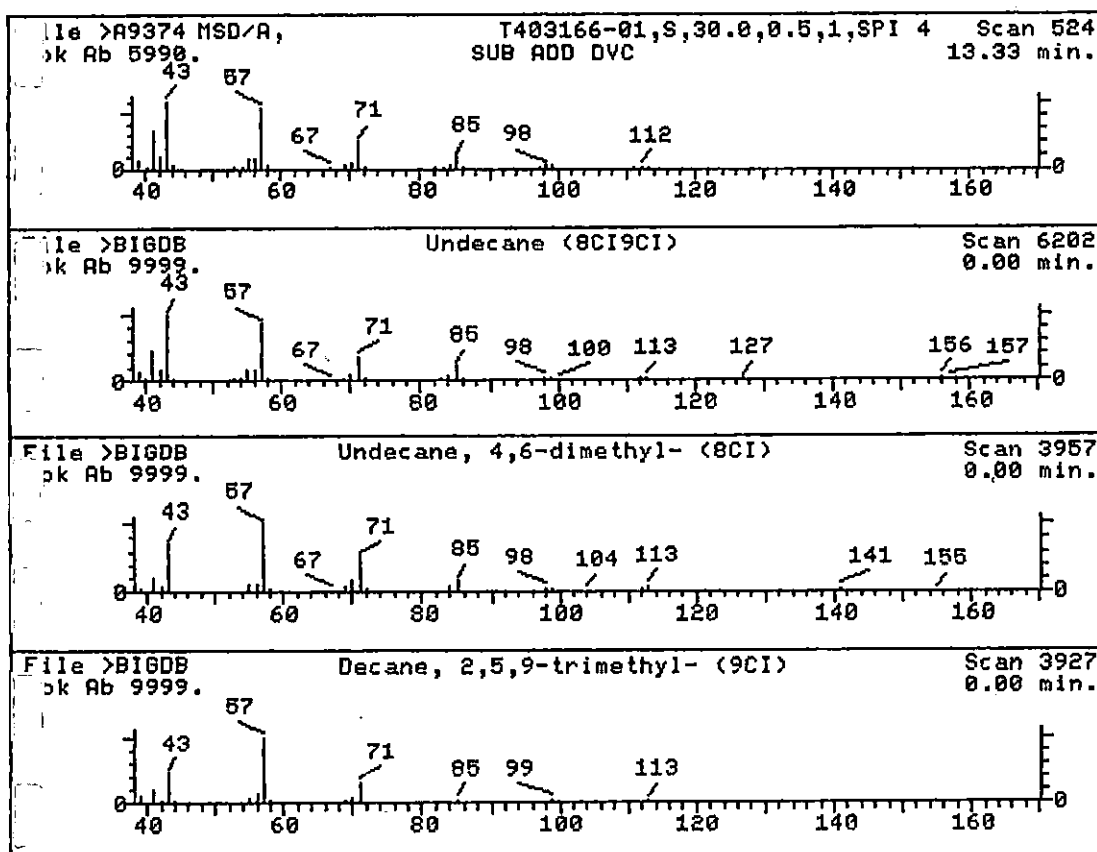
UNKNOWN #,3

AREA = 186242.0 TENTATIVE CONCENTRATION IS 39.00

1. Undecane (8CI9CI)	156 C11H24
2. Undecane, 4,6-dimethyl- (8CI)	184 C13H28
3. Decane, 2,6,8-trimethyl- (9CI)	184 C13H28
4. Decane, 2,5,9-trimethyl- (9CI)	184 C13H28
5. Octane, 2,4,6-trimethyl- (9CI)	156 C11H24

Sample file: >A9374 Spectrum #: 424
 Search speed: 1 Tilting option: N No. of ion ranges searched: 54

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	1120214	6202	"BIGDB	88	9	0	0	87	0	72	96
2.	78	17312822	3957	"BIGDB	58	40	2	0	66	3	55	17
3.	78	62108263	3928	"BIGDB	46	46	2	0	91	5	55	13
4.	76	62108229	3927	"BIGDB	46	45	0	0	70	10	45	26
5.	70	62016379	6004	"BIGDB	49	36	1	0	74	9	42	18



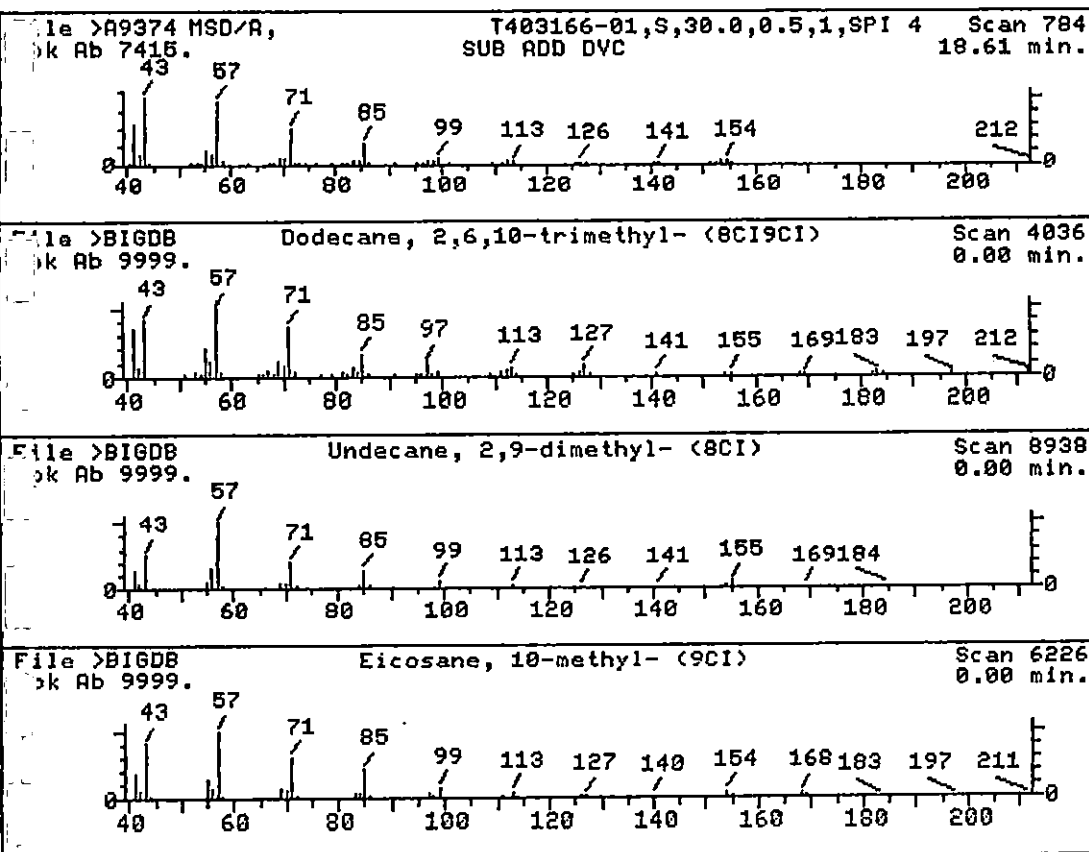
UNKNOWN #,4

AREA = 61409.00 TENTATIVE CONCENTRATION IS 13.00

1. Undecane (8CI9CI)	156 C11H24
2. Undecane, 4,6-dimethyl- (8CI)	184 C13H28
3. Decane, 2,5,9-trimethyl- (9CI)	184 C13H28
4. Octane, 3,5-dimethyl- (8CI9CI)	142 C10H22
5. 3-Hexanone, 2,2-dimethyl- (8CI9CI)	128 C8H16O

Sample file: >A9374 Spectrum #: 524
 Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83	1120214	6202	"BIGDB	71	26	2	0	86	3	57	26
2.	70	17312822	3957	"BIGDB	65	33	3	0	77	7	42	18
3.	70	62108229	3927	"BIGDB	49	42	2	0	90	9	42	16
4.	60	15869939	3611	"BIGDB	44	49	2	0	90	15	30	12
5.	52	5405798	3989	"BIGDB	34	51	1	0	79	19	20	12



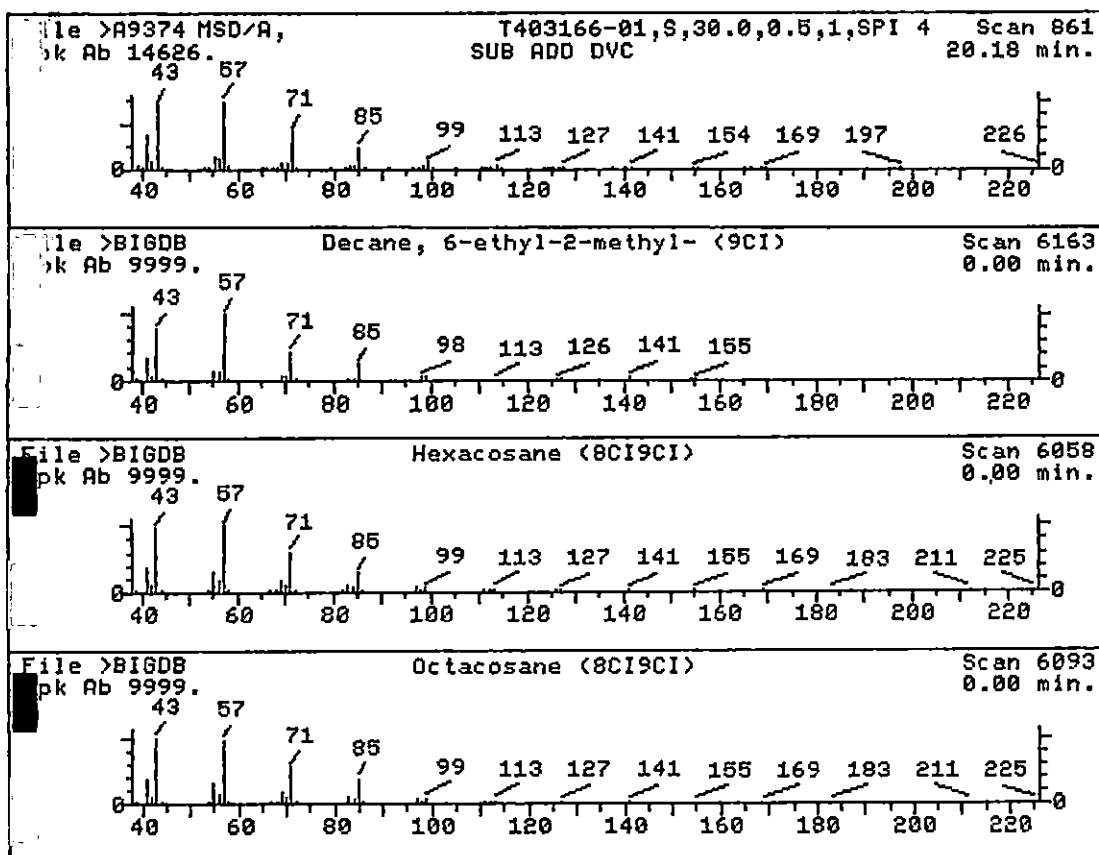
UNKNOWN #,5

AREA = 83755.00 TENTATIVE CONCENTRATION IS 12.00

1. Dodecane, 2,6,10-trimethyl- (8CI9CI)	212 C15H32
2. Undecane, 2,9-dimethyl- (8CI)	184 C13H28
3. Eicosane, 10-methyl- (9CI)	296 C21H44
4. Tridecane (8CI9CI)	184 C13H28
5. Tridecane, 4-methyl- (8CI9CI)	198 C14H30

Sample file: >A9374 Spectrum #: 784
 Search speed: 1 Tilting option: N No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	79*	3891983	4036	"BIGDB	56	68	2	0	69	7	48	33
2.	76	17301267	8938	"BIGDB	64	37	2	0	94	8	45	21
3.	70	54833237	6226	"BIGDB	61	72	2	0	75	8	42	12
4.	70	629505	6250	"BIGDB	68	45	2	0	81	8	42	15
5.	70	26730121	4019	"BIGDB	66	48	2	0	74	8	42	14



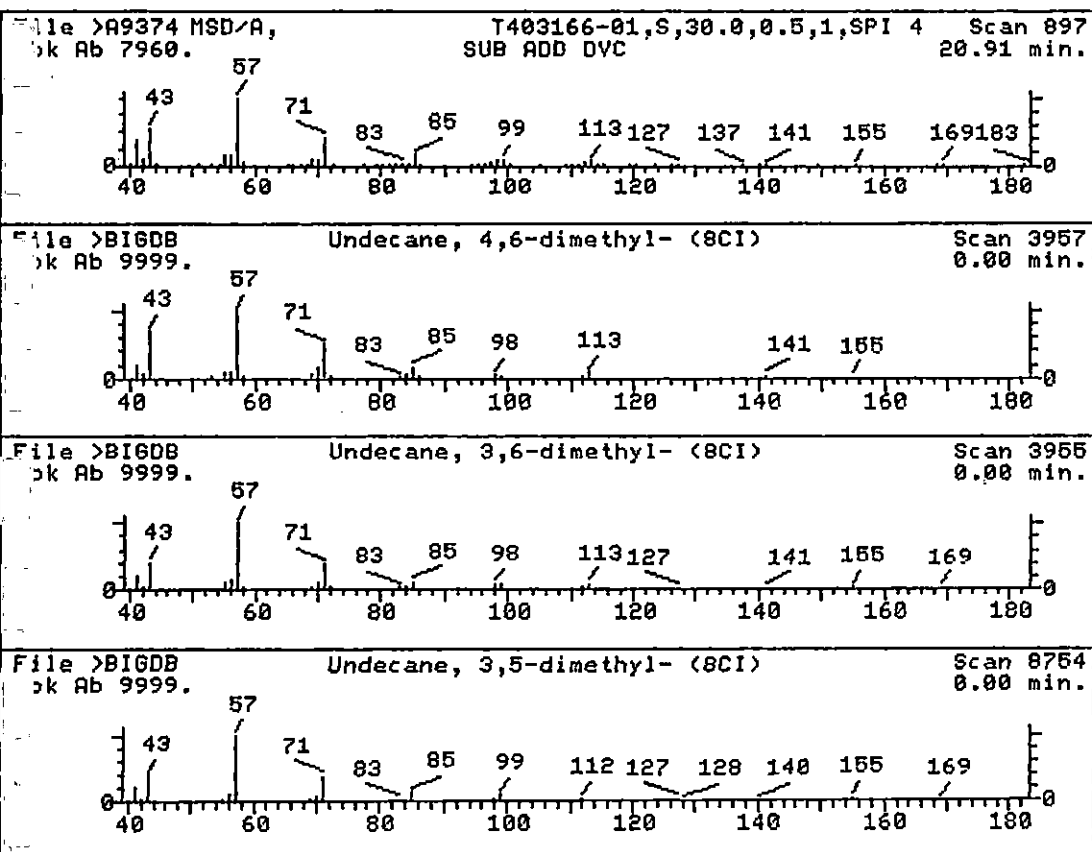
UNKNOWN #,6

AREA = 159245.0 TENTATIVE CONCENTRATION IS 24.00

1. Decane, 6-ethyl-2-methyl- (9CI)	184 C13H28
2. Hexacosane (8CI9CI)	366 C26H54
3. Octacosane (8CI9CI)	394 C28H58
4. Eicosane, 10-methyl- (9CI)	296 C21H44
5. Nonacosane (8CI9CI)	408 C29H60

Sample file: >A9374 Spectrum #: 861
 Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83	62108218	6163	"BIGDB	63	36	2	0	100	5	57	22
2.	78	630013	6058	"BIGDB	69	71	2	0	90	4	55	15
3.	78	630024	6093	"BIGDB	67	70	2	0	84	4	55	14
4.	78	54833237	6226	"BIGDB	62	71	2	0	68	5	55	13
5.	78	630035	8905	"BIGDB	63	82	2	0	84	5	55	13



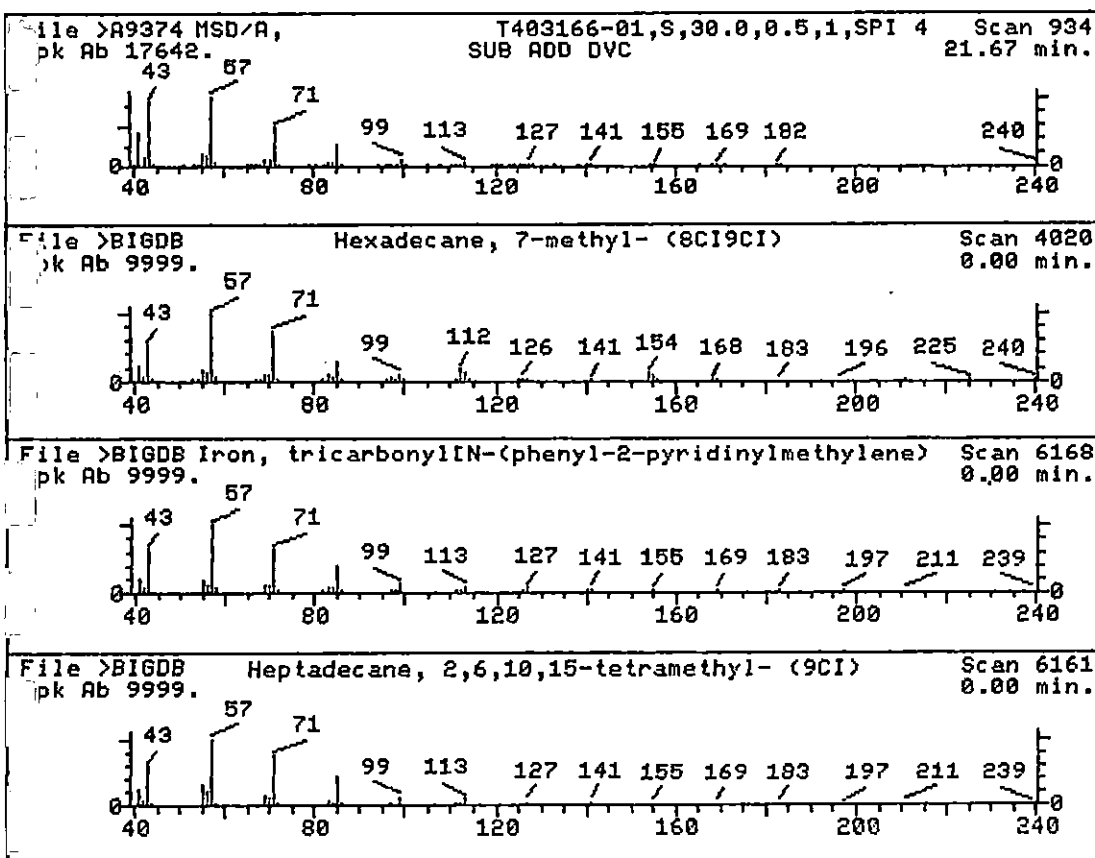
UNKNOWN #,7

AREA = 118659.0 TENTATIVE CONCENTRATION IS 11.00

1. Undecane, 4,6-dimethyl- (8CI)	184 C13H28
2. Undecane, 3,6-dimethyl- (8CI)	184 C13H28
3. Undecane, 3,5-dimethyl- (8CI)	184 C13H28
4. Undecane, 2,5-dimethyl- (8CI/9CI)	184 C13H28
5. Decane, 2,6,8-trimethyl- (9CI)	184 C13H28

Sample file: >A9374 Spectrum #: 897
 Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	76	17312822	3957	"BIGDB	66	32	2	0	83	8	45	23
2.	76	17301289	3955	"BIGDB	65	32	2	0	100	6	45	23
3.	76	17312811	8754	"BIGDB	64	34	2	0	100	8	45	23
4.	70	17301223	10849	"BIGDB	52	47	2	0	100	6	42	13
5.	70	62108263	3928	"BIGDB	47	45	2	0	100	9	42	14



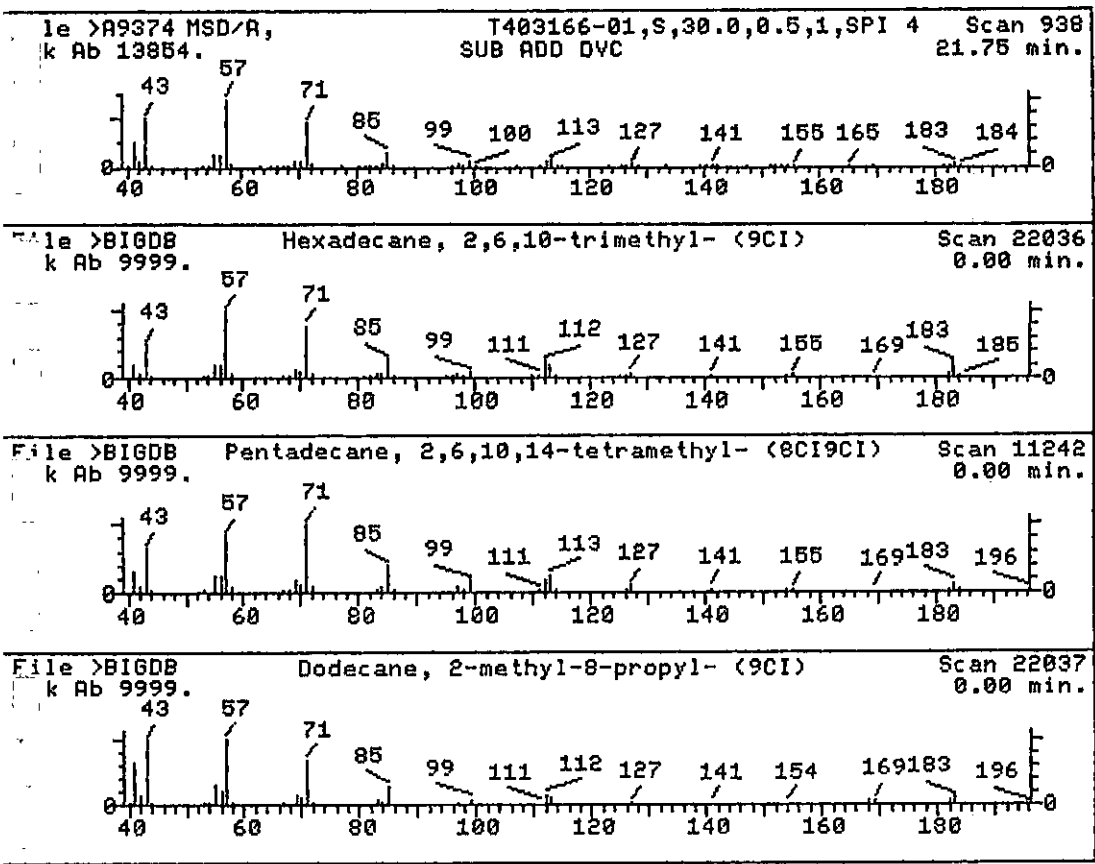
UNKNOWN #,8

AREA = 202353.0 TENTATIVE CONCENTRATION IS 18.00

1. Hexadecane, 7-methyl- (8CI9CI)	240 C17H36
2. Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene)benzenamine-N,N'- (9CI)	398 C21H14FeN2O3
3. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44
4. Octacosane (8CI9CI)	394 C28H58
5. Undecane, 2,9-dimethyl- (8CI)	184 C13H28

Sample file: >A9374 Spectrum #: 934
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86*	26730201	4020	"BIGDB	54	70	2	0	76	2	60	31
2.	78	74764117	6168	"BIGDB	66	71	2	0	72	1	55	14
3.	78	54833486	6161	"BIGDB	62	71	2	0	73	4	55	13
4.	78	630024	6093	"BIGDB	61	76	2	0	84	5	55	12
5.	78	17301267	8938	"BIGDB	63	38	3	0	100	5	55	13



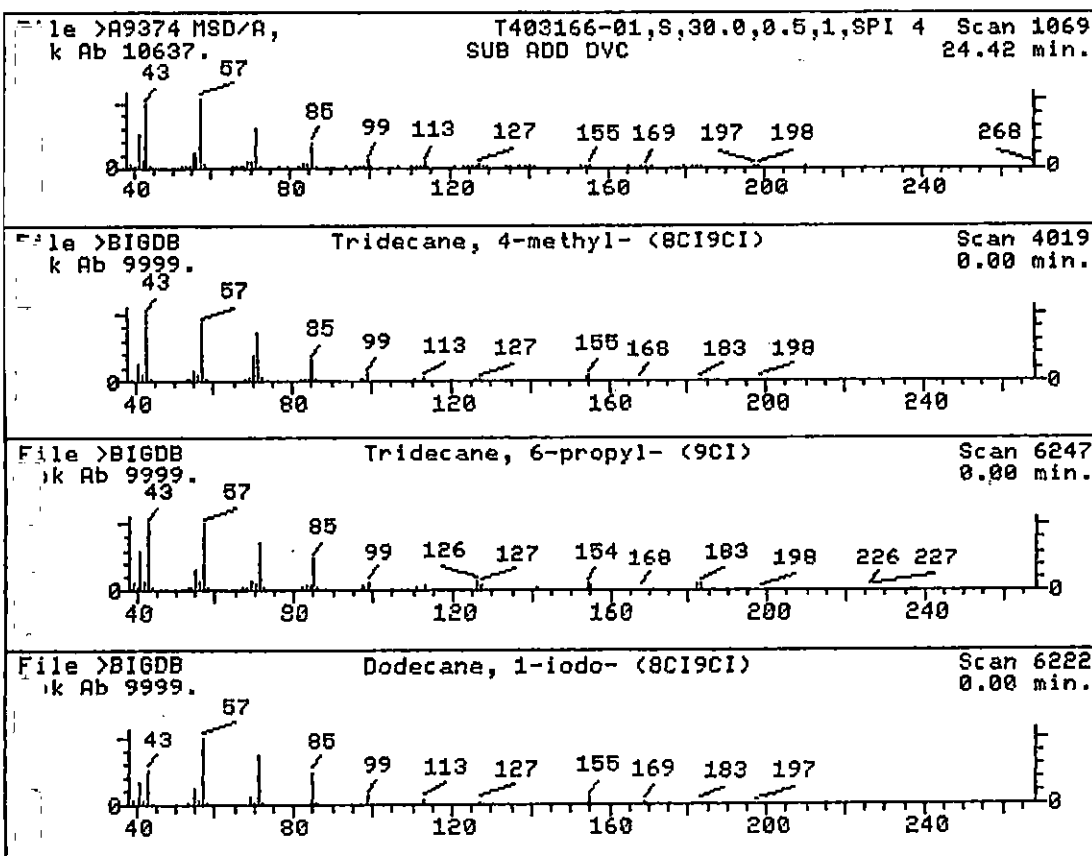
UNKNOWN #,9

REA = 164238.0 TENTATIVE CONCENTRATION IS 15.00

1. Hexadecane, 2,6,10-trimethyl- (9CI)	268 C19H40
2. Pentadecane, 2,6,10,14-tetramethyl- (8CI9CI)	268 C19H40
3. Dodecane, 2-methyl-8-propyl- (9CI)	226 C16H34
4. Dodecane, 2,7,10-trimethyl- (9CI)	212 C15H32
5. Dodecane, 2,6,11-trimethyl- (8CI9CI)	212 C15H32

Sample file: >A9374 Spectrum #: 938
Search speed: 1 Tilting option: N No. of ion ranges searched: 51

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78	55000527	22036	"BIGDB	66	68	2	0	60	0	55	14
2.	78	1921706	11242	"BIGDB	69	46	2	0	45	2	55	15
3.	78	55045073	22037	"BIGDB	75	53	2	0	73	2	55	19
4.	74	74645980	3988	"BIGDB	86	23	1	0	82	13	39	45
5.	67	31295564	3984	"BIGDB	72	34	2	0	86	13	34	24



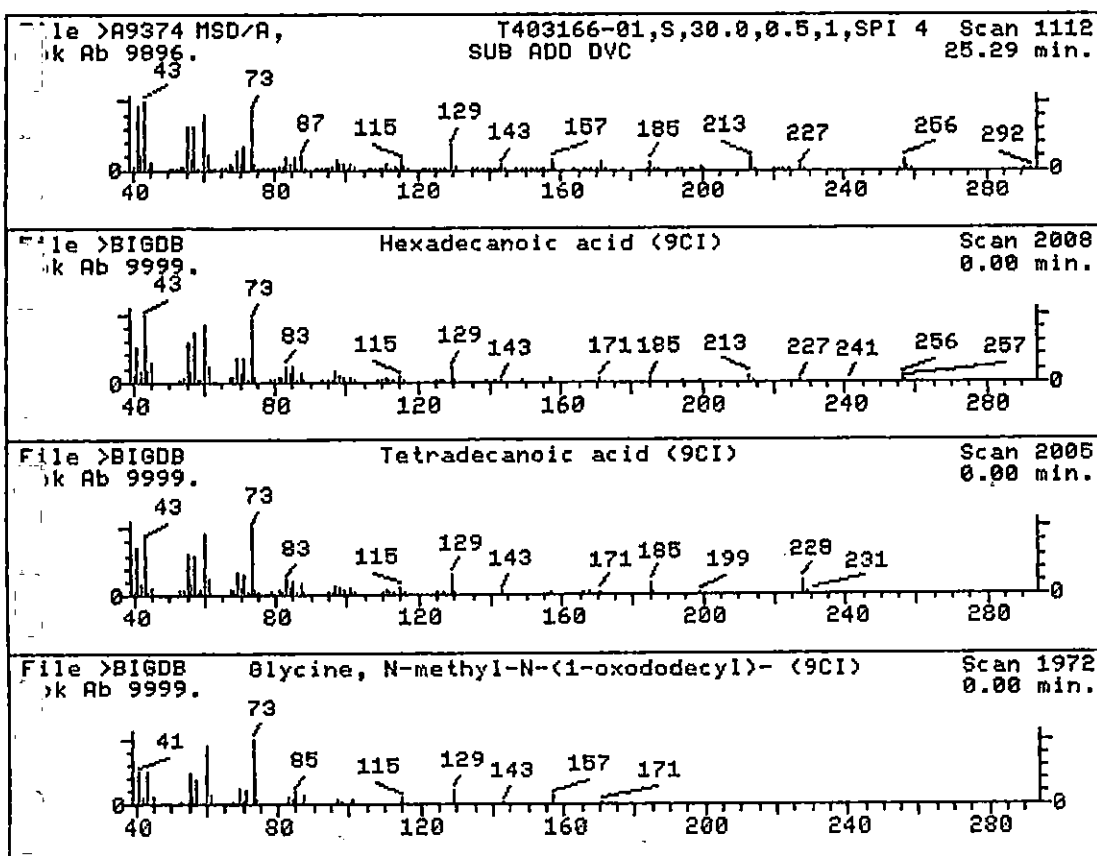
UNKNOWN #,10

REA = 121193.0 TENTATIVE CONCENTRATION IS 11.00

1. Tridecane, 4-methyl- (8CI9CI)	198 C14H30
2. Tridecane, 6-propyl- (9CI)	226 C16H34
3. Dodecane, 1-iodo- (8CI9CI)	296 C12H25I
4. Pentacosane (8CI9CI)	352 C25H52
5. Pentadecane, 8-hexyl- (8CI)	296 C21H44

Sample file: >A9374 Spectrum #: 1069
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87*	26730121	4019	"BIGDB	65	49	2	0	79	5	63	44
2.	78	55045108	6247	"BIGDB	62	67	2	0	73	5	55	13
3.	78	4292197	6222	"BIGDB	61	68	2	0	75	5	55	12
4.	78	629992	6092	"BIGDB	66	74	2	0	91	4	55	14
5.	78	13475757	24006	"BIGDB	62	75	2	0	77	1	55	13



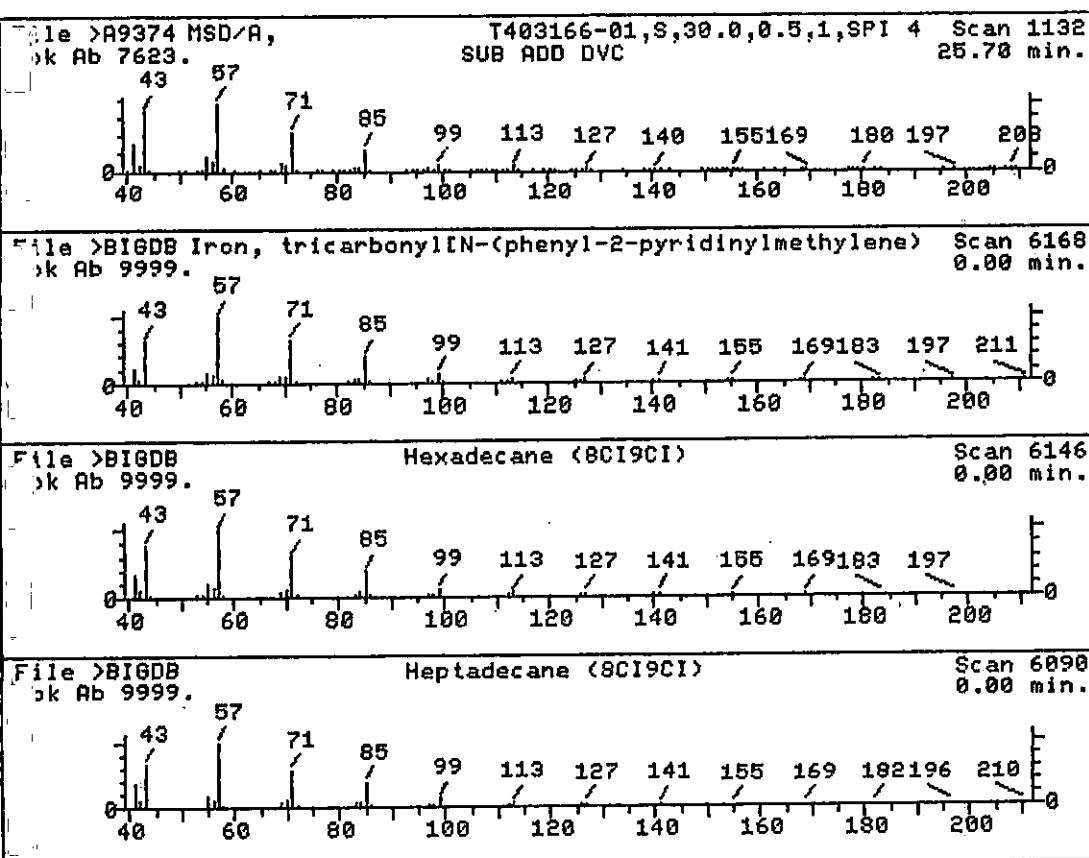
UNKNOWN #,11

AREA = 498450.0 TENTATIVE CONCENTRATION IS 45.00

1. Hexadecanoic acid (9CI)	256 C16H32O2
2. Tetradecanoic acid (9CI)	228 C14H28O2
3. Glycine, N-methyl-N-(1-oxododecyl)- (9CI)	271 C15H29NO3
4. Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI)	287 C16H33NO3
5. Tridecanoic acid (8CI9CI)	214 C13H26O2

Sample file: >A9374 Spectrum #: 1112
 Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83*	57103	2008	"BIGDB	86	65	1	0	80	25	47	83
2.	59	544638	2005	"BIGDB	114	32	3	0	85	25	27	33
3.	55	97789	1972	"BIGDB	70	80	0	0	85	37	19	46
4.	49	120401	1984	"BIGDB	85	68	1	0	76	37	19	40
5.	43	638539	2000	"BIGDB	81	61	3	0	85	25	17	14



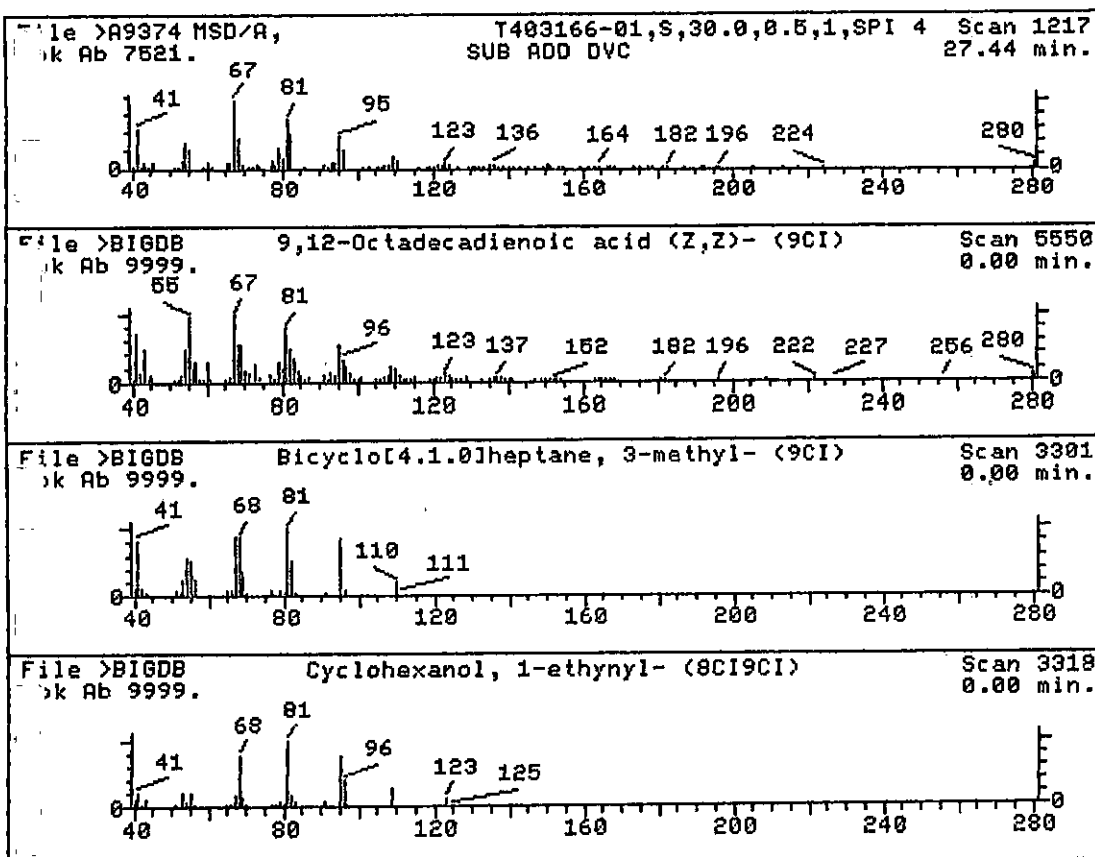
UNKNOWN #,12

AREA = 94860.00 TENTATIVE CONCENTRATION IS 9.00

1. Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene)ben 398 C21H14FeN2O3
 zenamine-N,N'- (9CI)
2. Hexadecane (8CI9CI) 226 C16H34
3. Heptadecane (8CI9CI) 240 C17H36
4. Heptadecane, 2,6,10,15-tetramethyl- (9CI) 296 C21H44
5. Decane, 3-methyl- (8CI9CI) 156 C11H24

Sample file: >A9374 Spectrum #: 1132
 Search speed: 1 Tilting option: N No. of ion ranges searched: 46

Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78	74764117	6168	"BIGDB	62	75	2	0	77	4	55 13
2.	78	544763	6146	"BIGDB	74	46	2	0	80	4	55 18
3.	78	629787	6090	"BIGDB	65	56	2	0	82	4	55 14
4.	76	54833486	6161	"BIGDB	89	44	2	0	71	6	45 26
5.	71*	13151343	13424	"BIGDB	55	39	2	0	97	12	38 36



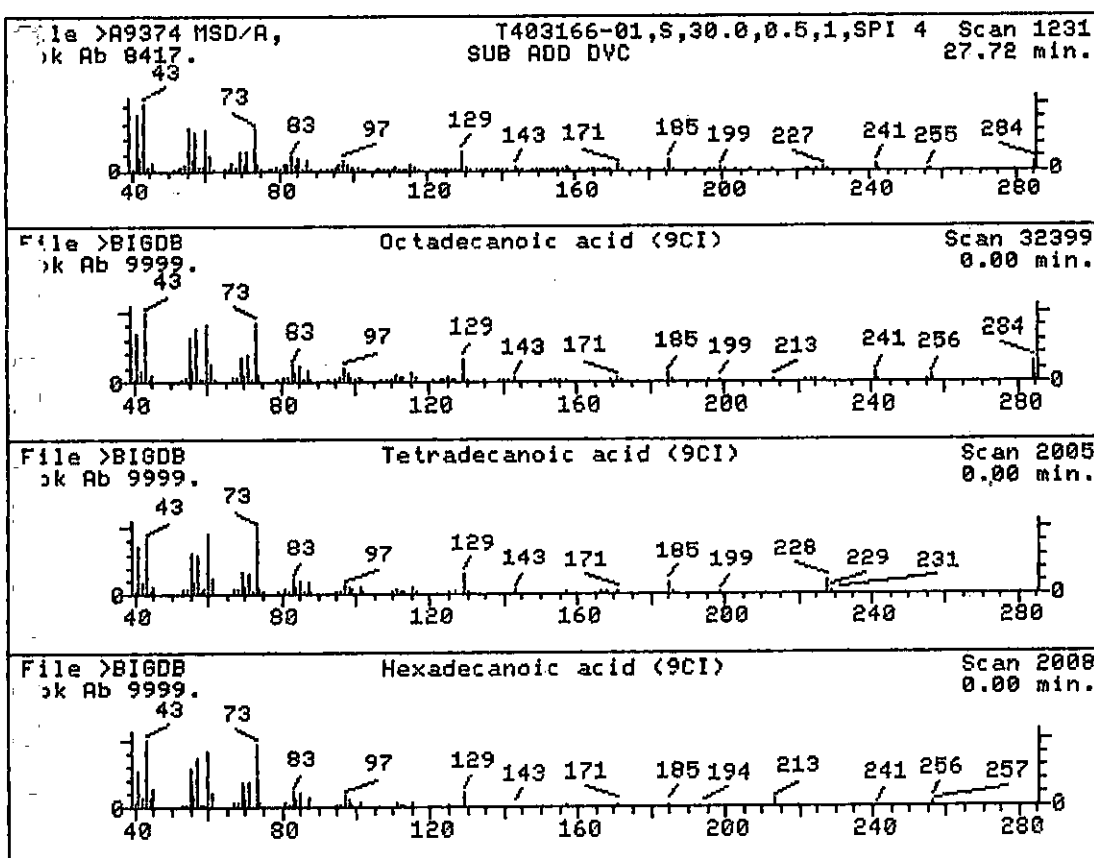
UNKNOWN #,14

AREA = 519437.0 TENTATIVE CONCENTRATION IS 53.00

1. 9,12-Octadecadienoic acid (Z,Z)- (9CI)	280 C18H32O2
2. Bicyclo[4.1.0]heptane, 3-methyl- (9CI)	110 C8H14
3. Cyclohexanol, 1-ethynyl- (8CI9CI)	124 C8H12O
4. Bicyclo[4.1.0]heptane, 2-methyl- (9CI)	110 C8H14
5. Bicyclo[4.1.0]heptane (9CI)	96 C7H12

Sample file: >A9374 Spectrum #: 1217
 Search speed: 1 Tilting option: N No. of ion ranges searched: 48

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86*	60333	5550	"BIGDB	68	107	3	0	83	0	60	35
2.	57*	41977473	3301	"BIGDB	60	45	2	0	49	28	24	37
3.	49*	78273	3318	"BIGDB	62	52	2	0	57	40	19	40
4.	42*	41977462	820	"BIGDB	49	57	1	0	44	40	14	29
5.	36*	286088	777	"BIGDB	26	91	3	0	76	28	14	13



UNKNOWN #,15

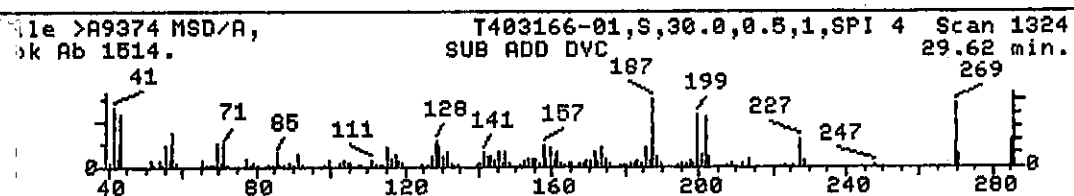
AREA = 236854.0 TENTATIVE CONCENTRATION IS 24.00

1. Octadecanoic acid (9CI)	284 C18H36O2
2. Tetradecanoic acid (9CI)	228 C14H28O2
3. Hexadecanoic acid (9CI)	256 C16H32O2
4. Pentadecanoic acid (8CI9CI)	242 C15H30O2
5. Tridecanoic acid (8CI9CI)	214 C13H26O2

Sample file: >A9374 Spectrum #: 1231
 Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	58	57114	32399	"BIGDB	96	69	3	0	74	16	25	21
2.	49	544638	2005	"BIGDB	90	56	2	0	62	28	19	27
3.	36	57103	2008	"BIGDB	93	58	3	0	66	34	12	19
4.	35	1002842	2007	"BIGDB	61	89	2	0	66	28	14	12
5.	31	638539	2000	"BIGDB	66	76	2	0	62	32	12	14

Instrument ID : MSD/A,, Analysis Date : 3/28/94 18:15

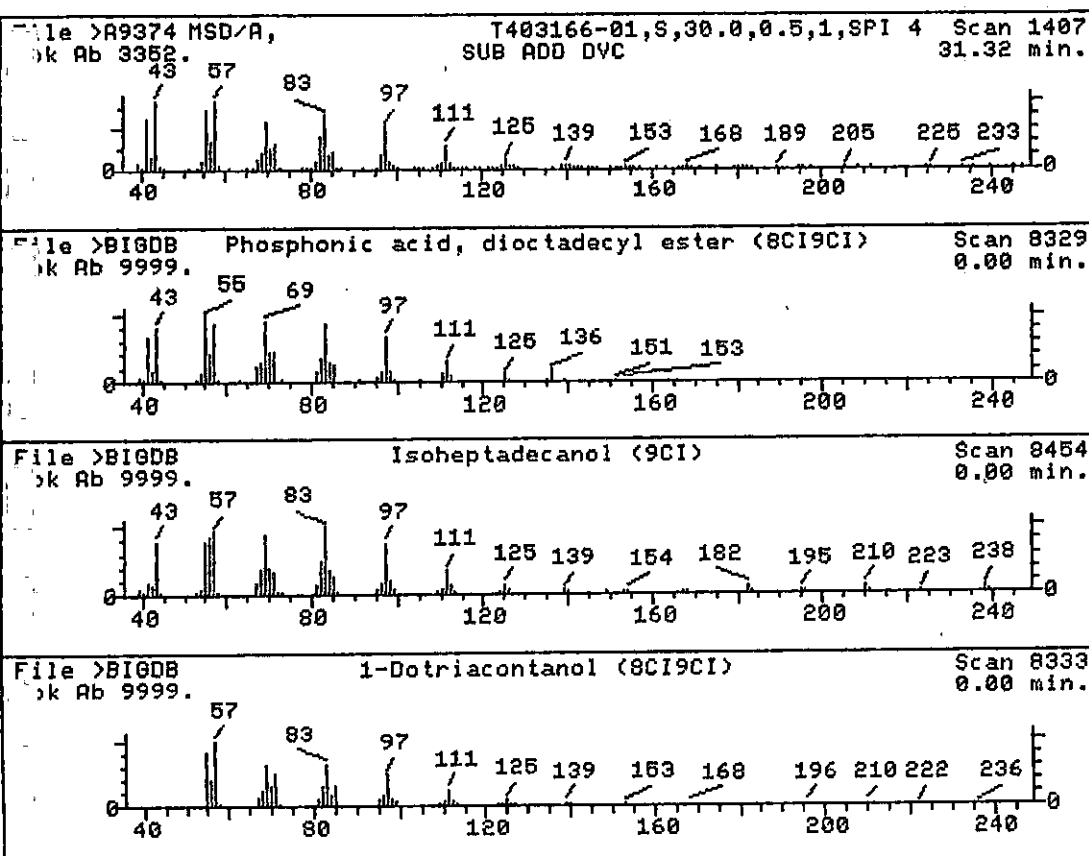


UNKNOWN #,17

AREA = 83481.00 TENTATIVE CONCENTRATION IS 9.00

Sample file: >A9374 Spectrum #: 1324

No data base entries were retrieved.



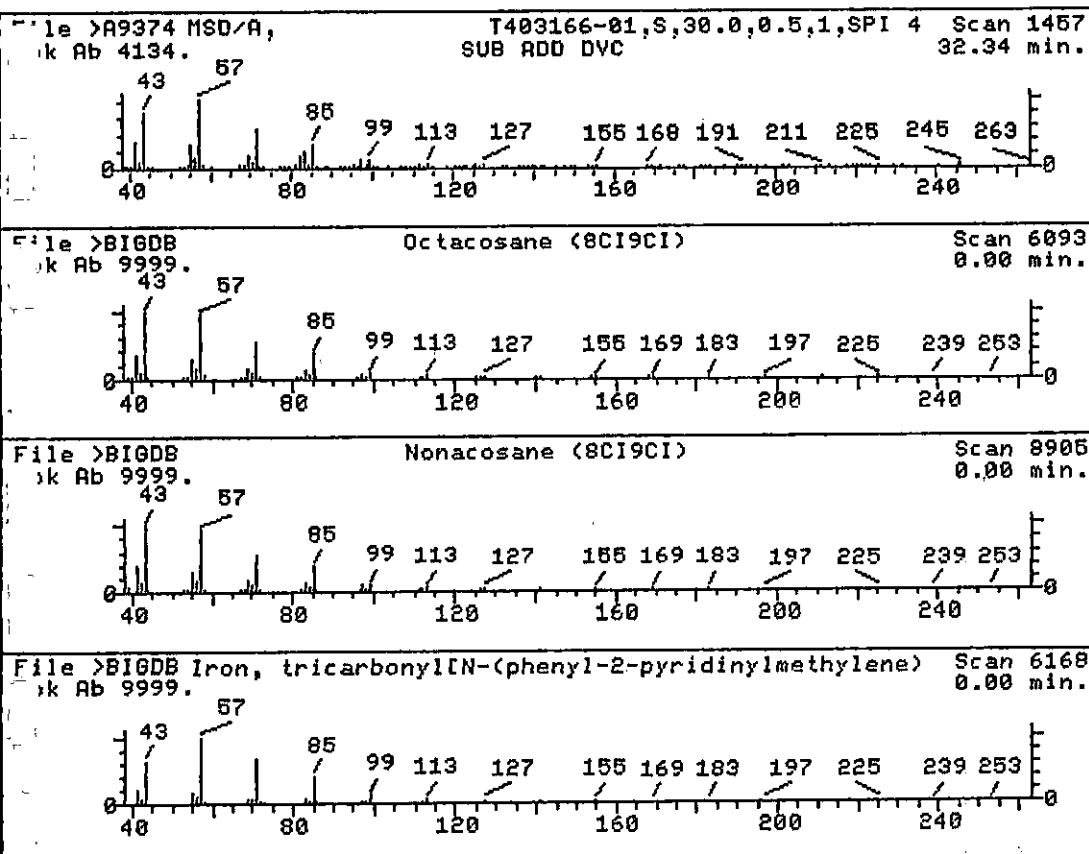
UNKNOWN #,18

AREA = 125194.0 TENTATIVE CONCENTRATION IS 13.00

1. Phosphonic acid, dioctadecyl ester (8CI9CI)	586 C36H75O3P
2. Isoheptadecanol (9CI)	256 C17H36O
3. 1-Dotriacontanol (8CI9CI)	466 C32H66O
4. 1-Hentetracontanol (9CI)	592 C41H84O
5. 1-Hexadecanol (9CI)	242 C16H34O

Sample file: >A9374 Spectrum #: 1407
 Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	84	19047859	8329	"BIGDB	130	70	2	0	70	10	55	66
2.	83	57289073	8454	"BIGDB	96	78	3	0	78	3	57	21
3.	81	6624799	8333	"BIGDB	122	59	3	0	99	6	53	45
4.	78	40710427	8384	"BIGDB	73	122	3	0	99	0	55	13
5.	78	36653824	8447	"BIGDB	93	68	3	0	86	0	55	19



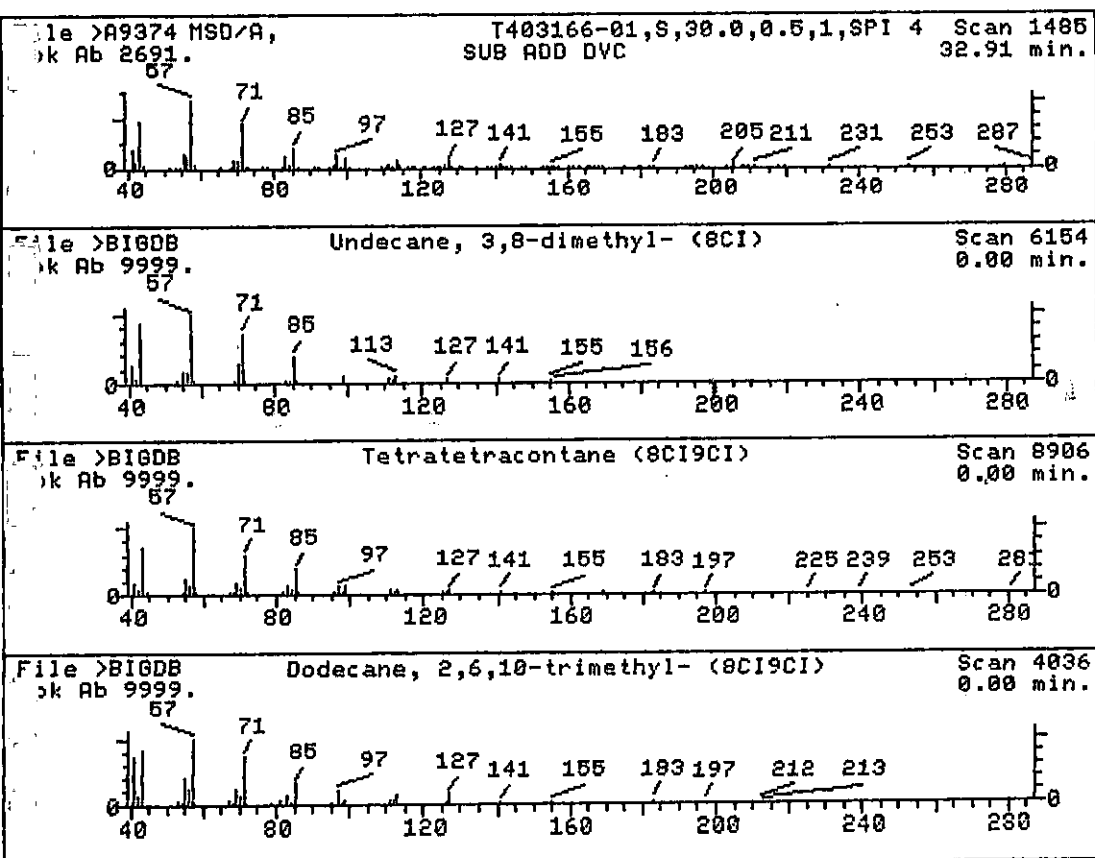
UNKNOWN #,19

REA = 77218.00 TENTATIVE CONCENTRATION IS 8.00

1. Octacosane (8CI9CI)	394 C28H58
2. Nonacosane (8CI9CI)	408 C29H60
3. Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene)ben zenamine-N,N']- (9CI)	398 C21H14FeN2O3
4. Pentacosane (8CI9CI)	352 C25H52
5. Pentatriacontane (8CI9CI)	492 C35H72

Sample file: >A9374 Spectrum #: 1457
 Search speed: 1 Tilting option: N No. of ion ranges searched: 60

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	69	630024	6093	"BIGDB	106	31	1	0	80	34	26	66
2.	55	630035	8905	"BIGDB	104	41	2	0	80	32	20	39
3.	54	74764117	6168	"BIGDB	84	53	1	0	59	32	20	38
4.	49	629992	6092	"BIGDB	100	40	2	0	80	32	20	33
5.	45	630079	6147	"BIGDB	93	58	2	0	84	32	16	28



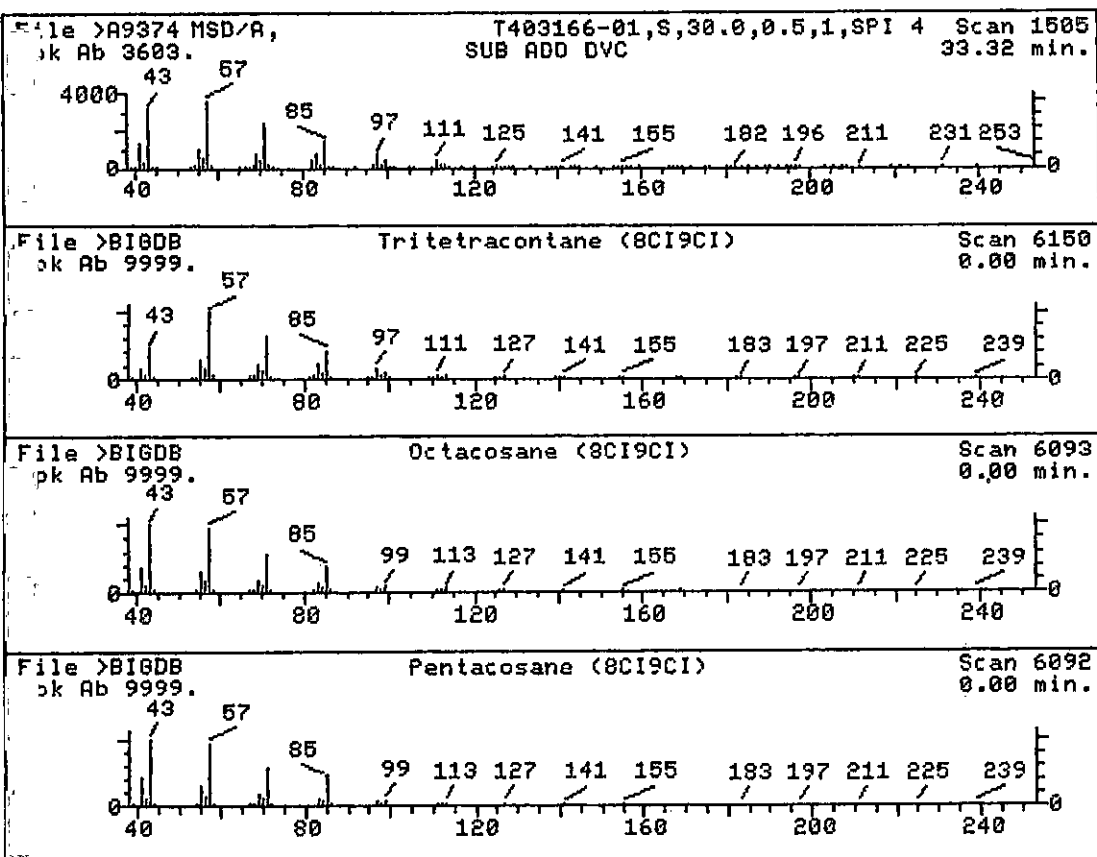
UNKNOWN #,20

REA = 74804.00 TENTATIVE CONCENTRATION IS 8.00

1. Undecane, 3,8-dimethyl- (8CI)	184 C13H28
2. Tetratetracontane (8CI9CI)	618 C44H90
3. Dodecane, 2,6,10-trimethyl- (8CI9CI)	212 C15H32
4. Heptadecane, 9-octyl- (8CI9CI)	352 C25H52
5. Eicosane, 2-methyl- (8CI9CI)	296 C21H44

Sample file: >A9374 Spectrum #: 1485
 Search speed: 1 Tilting option: N No. of ion ranges searched: 62

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	59	17301303	6154	"BIGDB	84	24	1	0	79	34	22	44
2.	53	7098228	8906	"BIGDB	87	69	2	0	79	24	22	25
3.	52	3891983	4036	"BIGDB	72	52	2	0	66	16	20	17
4.	51	7225641	6273	"BIGDB	98	45	2	0	71	28	24	31
5.	51	1560845	29636	"BIGDB	83	61	2	0	76	24	22	23



UNKNOWN #,21

AREA = 80660.00 TENTATIVE CONCENTRATION IS 8.00

1. Tritetracontane (8CI9CI)	604 C43H88
2. Octacosane (8CI9CI)	394 C28H58
3. Pentacosane (8CI9CI)	352 C25H52
4. Hexatriacontane (8CI9CI)	506 C36H74
5. Pentatriacontane (8CI9CI)	492 C35H72

Sample file: >A9374

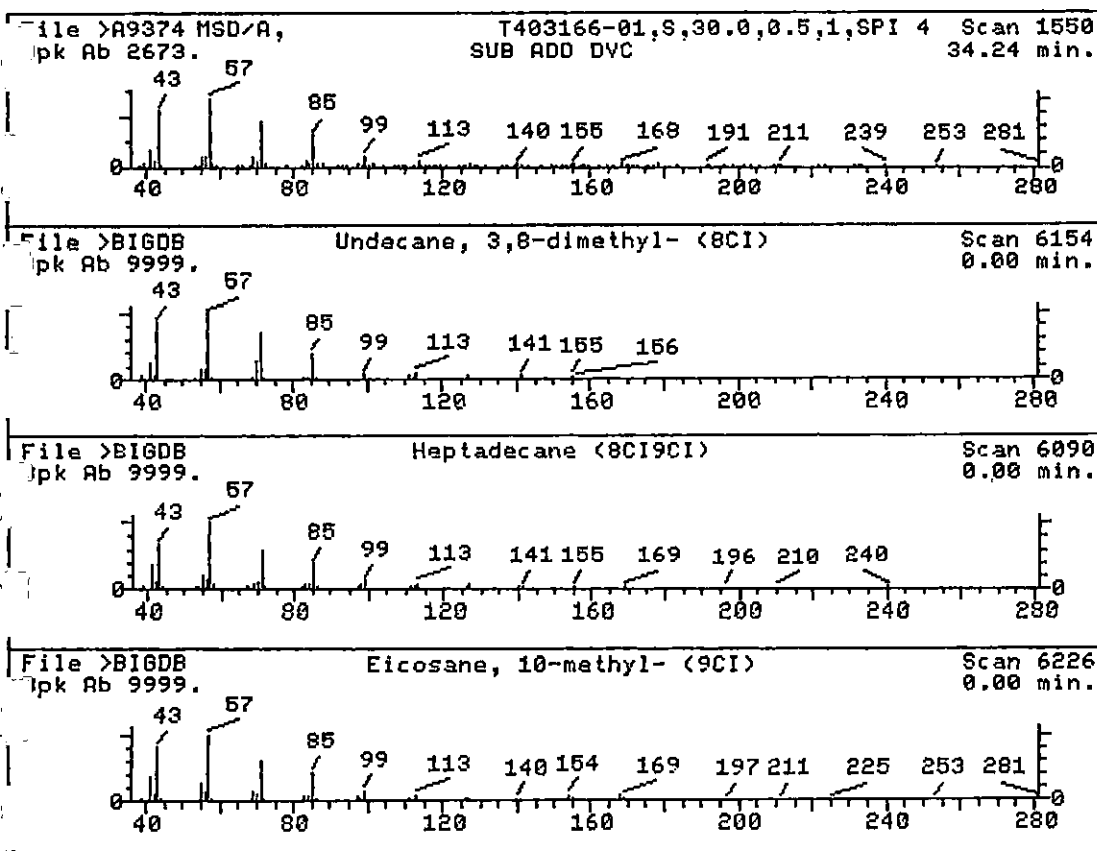
Spectrum #: 1505

Search speed: 1

Tilting option: N

No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	76	7098217	6150	"BIGDB	92	76	2	0	92	10	45	27
2.	68	630024	6093	"BIGDB	99	38	1	0	86	22	30	59
3.	58	629992	6092	"BIGDB	64	76	1	0	68	20	25	22
4.	58	630068	6193	"BIGDB	89	73	2	0	92	16	25	26
5.	58	630079	6147	"BIGDB	82	69	2	0	88	16	25	22



UNKNOWN #,22

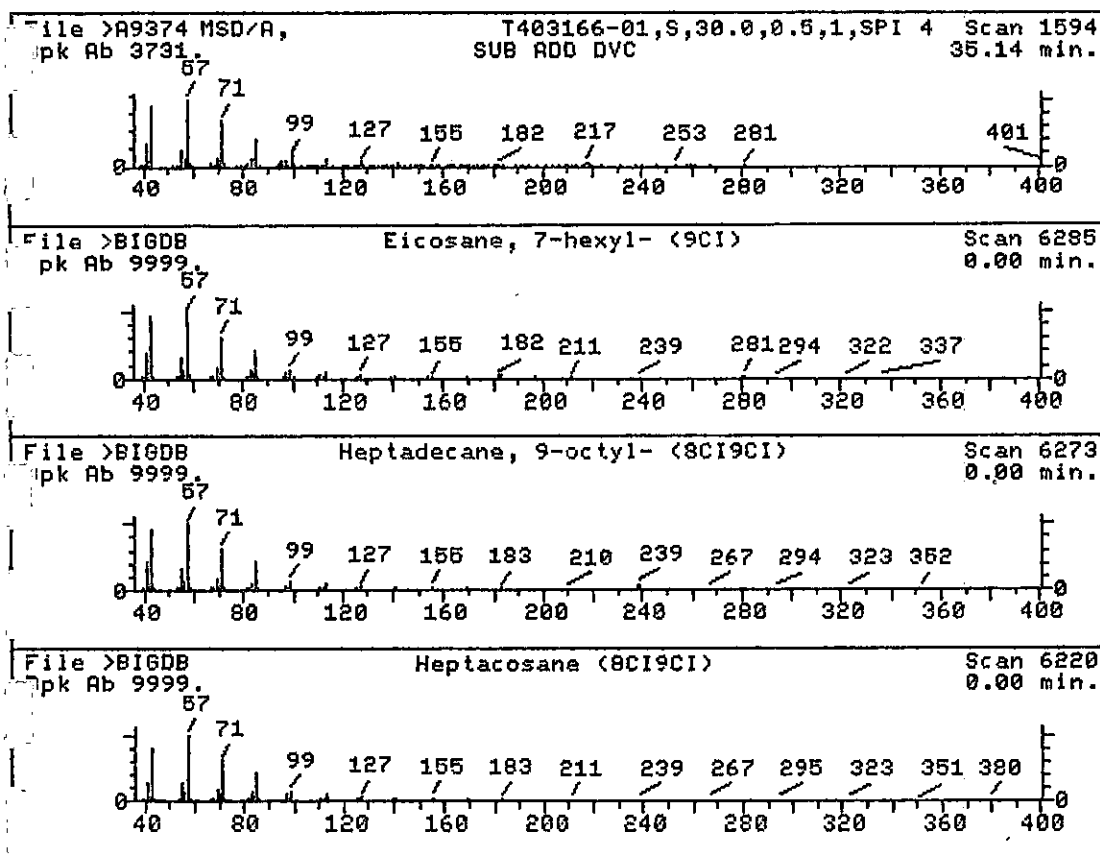
AREA = 57618.00 TENTATIVE CONCENTRATION IS 8.00

1. Undecane, 3,8-dimethyl- (8CI)	184 C13H28
2. Heptadecane (8CI9CI)	240 C17H36
3. Eicosane, 10-methyl- (9CI)	296 C21H44
4. Heptacosane (8CI9CI)	380 C27H56
5. Tridecane, 6-propyl- (9CI)	226 C16H34

Sample file: >A9374 Spectrum #: 1550

Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	67	17301303	6154	"BIGDB	79	29	2	0	80	14	34	29
2.	67	629787	6090	"BIGDB	81	40	2	0	84	14	34	22
3.	67	54833237	6226	"BIGDB	84	49	2	0	83	14	34	23
4.	67	593497	6220	"BIGDB	94	59	2	0	75	12	34	28
5.	67	55045108	6247	"BIGDB	81	48	2	0	82	14	34	22



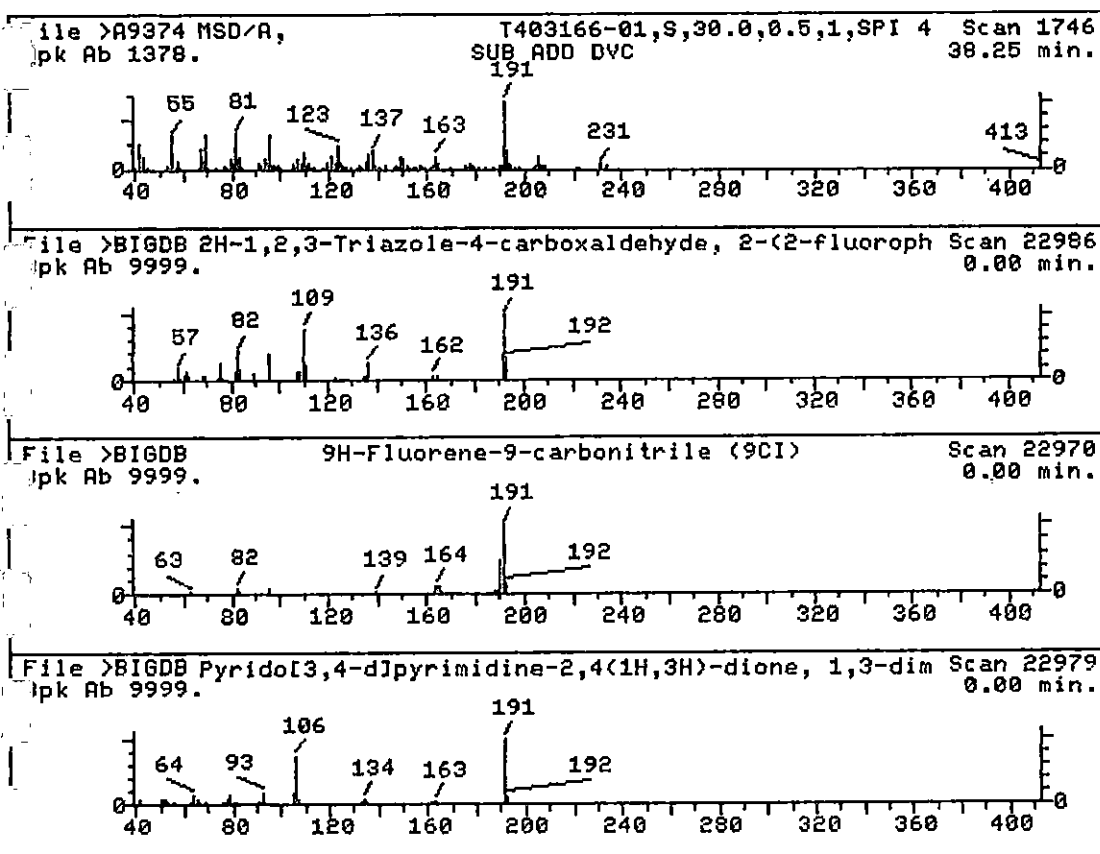
UNKNOWN #,23

AREA = 74675.00 TENTATIVE CONCENTRATION IS 10.00

1. Eicosane, 7-hexyl- (9CI)	366 C26H54
2. Heptadecane, 9-octyl- (8CI9CI)	352 C25H52
3. Heptacosane (8CI9CI)	380 C27H56
4. Undecane, 5-methyl- (8CI9CI)	170 C12H26
5. Docosane, 11-decyl- (9CI)	450 C32H66

Sample file: >A9374 Spectrum #: 1594
 Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	45	55333998	6285	"BIGDB	83	62	2	0	74	30	19	23
2.	44	7225641	6273	"BIGDB	92	51	2	0	75	33	16	27
3.	43	593497	6220	"BIGDB	79	74	2	0	72	30	19	21
4.	42*	1632708	6060	"BIGDB	59	39	3	0	90	33	16	25
5.	39	55401553	6291	"BIGDB	81	76	2	0	69	33	16	22



UNKNOWN #,24

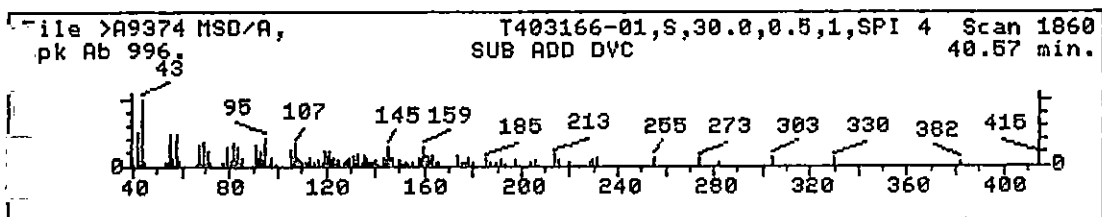
AREA = 69962.00 TENTATIVE CONCENTRATION IS 10.00

1. 2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorophenyl)- (9CI) 191 C9H6FN3O
2. 9H-Fluorene-9-carbonitrile (9CI) 191 C14H9N
3. Pyrido[3,4-d]pyrimidine-2,4(1H,3H)-dione, 1,3-dimethyl- (8CI) 191 C9H9N3O2
4. 9H-Fluorene-2-carbonitrile (9CI) 191 C14H9N
5. Pyrido[3,2-d]pyrimidine-2,4(1H,3H)-dione, 1,3-dimethyl- (8CI) 191 C9H9N3O2

Sample file: >A9374 Spectrum #: 1746
 Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	27*	51306435	22986	"BIGDB	38	98	3	0	100	36	10	13
2.	25*	1529404	22970	"BIGDB	22	73	3	0	100	50	7	12
3.	25*	22389839	22979	"BIGDB	27	86	3	0	100	50	7	13
4.	25*	2523480	22971	"BIGDB	25	84	3	0	100	42	8	13
5.	20*	24410251	22982	"BIGDB	31	68	3	0	100	51	5	13

Instrument ID : MSD/A,, Analysis Date : 3/28/94 18:15



UNKNOWN #,25

AREA = 66799.00 TENTATIVE CONCENTRATION IS 9.00

Sample file: >A9374 Spectrum #: 1860

No data base entries were retrieved.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 45

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-02

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9377

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 6.10

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

108-95-2-----	Phenol	230	J
111-44-4-----	bis(2-chloroethyl)ether	340IU	
95-57-8-----	2-Chlorophenol	340IU	
541-73-1-----	1,3-Dichlorobenzene	340IU	
106-46-7-----	1,4-Dichlorobenzene	340IU	
95-50-1-----	1,2-Dichlorobenzene	340IU	
95-48-7-----	2-Methylphenol	340IU	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	340IU	
106-44-5-----	4-Methylphenol	340IU	
621-64-7-----	N-Nitroso-di-n-propylamine	340IU	
67-72-1-----	Hexachloroethane	340IU	
98-95-3-----	Nitrobenzene	340IU	
78-59-1-----	Isophorone	340IU	
88-75-5-----	2-Nitrophenol	340IU	
105-67-9-----	2,4-Dimethylphenol	340IU	
111-91-1-----	bis(2-Chloroethoxy)methane	340IU	
120-83-2-----	2,4-Dichlorophenol	340IU	
120-82-1-----	1,2,4-Trichlorobenzene	340IU	
91-20-3-----	Naphthalene	340IU	
106-47-8-----	4-Chloroaniline	340IU	
87-68-3-----	Hexachlorobutadiene	340IU	
59-50-7-----	4-Chloro-3-methylphenol	340IU	
91-57-6-----	2-Methylnaphthalene	340IU	
77-47-8-----	Hexachlorocyclopentadiene	340IU	
88-06-2-----	2,4,6-Trichlorophenol	340IU	
95-95-4-----	2,4,5-Trichlorophenol	860IU	
91-58-7-----	2-Chloronaphthalene	340IU	
88-74-4-----	2-Nitroaniline	860IU	
131-11-3-----	Dimethylphthalate	340IU	
208-96-8-----	Acenaphthylene	340IU	
606-20-2-----	2,6-Dinitrotoluene	340IU	
99-09-2-----	3-Nitroaniline	860IU	
83-32-9-----	Acenaphthene	340IU	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 45

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-02

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9377

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 6.10

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

51-28-5-----	2,4-Dinitrophenol	860IU	
100-02-7-----	4-Nitrophenol	860IU	
132-64-9-----	Dibenzofuran	340IU	
121-14-2-----	2,4-Dinitrotoluene	340IU	
84-73-7-----	Diethylphthalate	340IU	
7005-72-3-----	4-Chlorophenyl-phenylether	340IU	
86-73-7-----	Fluorene	340IU	
100-01-6-----	4-Nitroaniline	860IU	
534-52-1-----	4,6-Dinitro-2-methylphenol	860IU	
86-30-6-----	N-Nitrosodiphenylamine (1)	340IU	
101-55-3-----	4-Bromophenyl-phenylether	340IU	
118-74-1-----	Hexachlorobenzene	340IU	
87-86-5-----	Pentachlorophenol	860IU	
85-01-8-----	Phenanthrene	340IU	
120-12-7-----	Anthracene	340IU	
86-74-8-----	Carbazole	340IU	
84-74-2-----	Di-n-butylphthalate	20	J
206-44-0-----	Fluoranthene	340IU	
129-00-0-----	Pyrene	340IU	
85-68-7-----	Butylbenzylphthalate	340IU	
91-94-1-----	3,3'-Dichlorobenzidine	340IU	
56-55-3-----	Benzo(a)anthracene	340IU	
218-01-9-----	Chrysene	340IU	
117-81-7-----	bis(2-Ethylhexyl)phthalate	23	J
117-84-0-----	Di-n-octylphthalate	340IU	
205-99-2-----	Benzo(b)fluoranthene	340IU	
207-08-9-----	Benzo(k)fluoranthene	340IU	
50-32-8-----	Benzo(a)pyrene	340IU	
193-39-5-----	Indeno(1,2,3-cd)pyrene	340IU	
53-70-3-----	Dibenz(a,h)anthracene	340IU	
191-24-2-----	Benzo(g,h,i)perylene	340IU	

NYSDEC SAMPLE NO.

SP1 45

Contract:

Case No. 03166 SAS No.:

SDG No.: 316601

Lab Sample ID: T403166-02

Sample wt/vol:	30.00 (g/mL)	G

Lab File ID: >A9377

1: (low/med) . LOW

Date Received: 03/14/94

Moisture: 3.0 decanted. (Y/N) N

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 (ul)

Date Analyzed: 03/28/94

Injection Volume: 2 (ul)

Dilution Factor: 1

3) Cleanup: (Y/N) Y

pH: 6.10

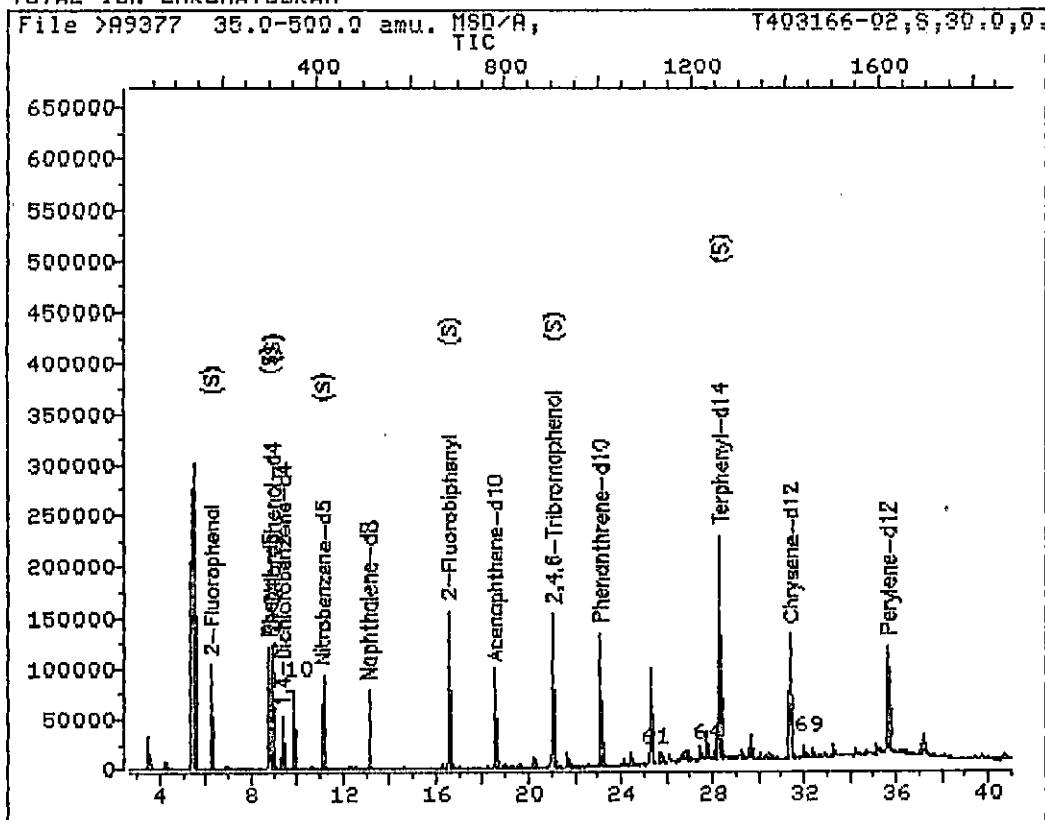
CONCENTRATION UNITS:

Number TICs found: 3

(ug/L or ug/Kg) UG/KG

FORM I-CLP-SV-TIC

TOTAL ION CHROMATOGRAM



Data File: >A9377::A2

Quant Output File: ^A9377::QT

Name: MSD/A,

Instrument ID: A

Misc: T403166-02,S,30.0,0.5,1,SPI 45,

BTL# 8

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Operator ID: BNA3

Quant Time : 940328 21:37

Injected at: 940328 20:55

QUANT REPORT

Operator ID: BNA3
 Output File: ^A9377::QT
 Data File: >A9377::A2
 Name: MSD/A,
 Misc: T403166-02,S,30.0,0.5,1,SPI 45,

Quant Rev: 7 Quant Time: 940328 21:37
 Injected at: 940328 20:55
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 8

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

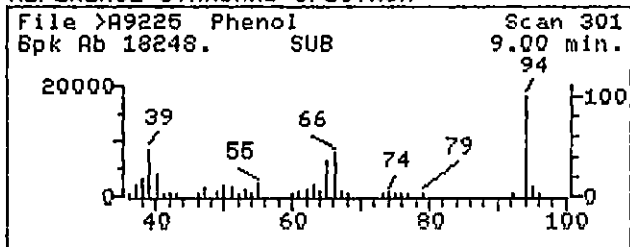
Last Qcal Date: 940328 15:34

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	9.37	152.0	16970	40.00	NG	95
2)	2-Fluorophenol (S)	6.24	112.0	50572	98.84	NG	98
3)	Phenol-d5 (S)	8.78	99.0	84615	104.10	NG	94
4)	Phenol	8.80	94.0	10192	13.12	NG	84
5)	2-Chlorophenol-d4 (S)	8.88	132.0	67859	99.62	NG	85
6)	1,2-Dichlorobenzene-d4 (S)	9.89	152.0	29722	64.74	NG	96
7)	*Naphthalene-d8	13.06	136.0	79482	40.00	NG	91
8)	Nitrobenzene-d5 (S)	11.07	82.0	61816	73.21	NG	87
9)	*Acenaphthene-d10	18.50	164.0	62601	40.00	NG	96
10)	2-Fluorobiphenyl (S)	16.53	172.0	145473	72.88	NG	96
11)	2,4,6-Tribromophenol (S)	21.02	330.0	53493	136.88	NG	94
12)	*Phenanthrene-d10	23.08	188.0	119284	40.00	NG	99
13)	Di-n-butylphthalate	25.35	149.0	6944	1.13	NG	99
14)	*Chrysene-d12	31.42	240.0	161760	40.00	NG	97
15)	Terphenyl-d14 (S)	28.28	244.0	295243	86.57	NG	84
16)	bis(2-Ethylhexyl)phthalate	31.97	149.0	6856	1.31	NG	85
17)	*Perylene-d12	35.62	264.0	133132	40.00	NG	95

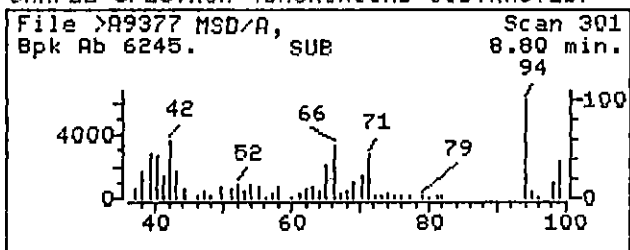
* Compound is ISTD

3
 OR

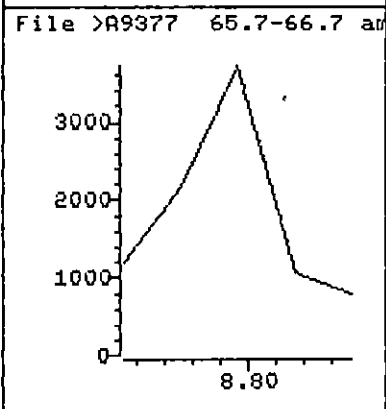
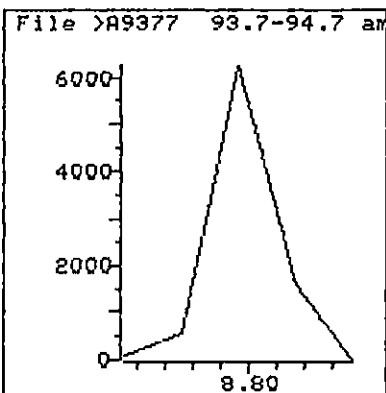
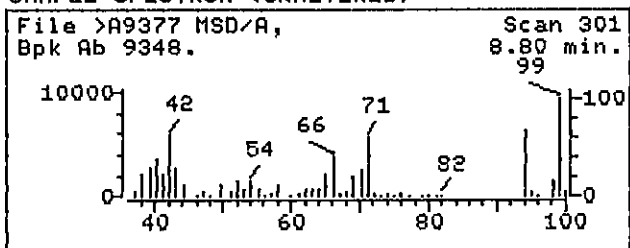
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >A9377::A2

Name: MSD/A,

Misc: T403166-02,S,30.0,0.5,1,SPI 45,

Quant Time: 940328 21:37

Injected at: 940328 20:55

Last Qcal Time: 940328 15:34

Quant Output File: ^A9377::QT

Instrument ID: A

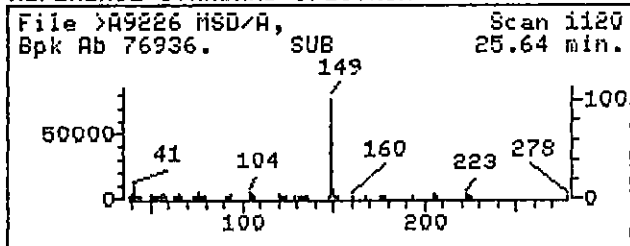
BTL# 8

Quant ID File: IDAB90::EX

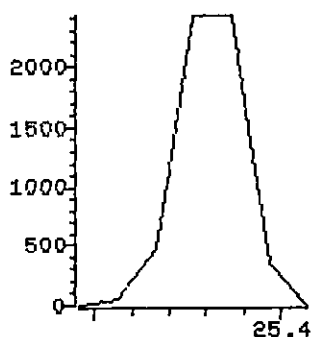
Last Calibration: 940311 08:27

Compound No : 4
Compound Name : Phenol
Scan Number : 301
Retention Time: 8.80 min.
Quant Ion : 94.0
Area : 10192
Concentration : 13.12 NG
q-value : 84

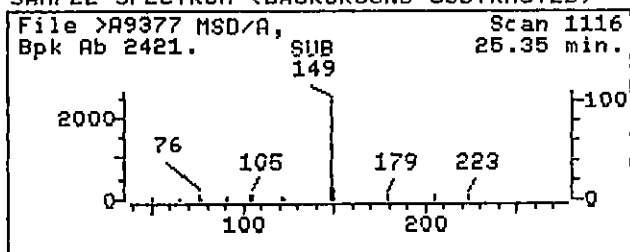
REFERENCE STANDARD SPECTRUM



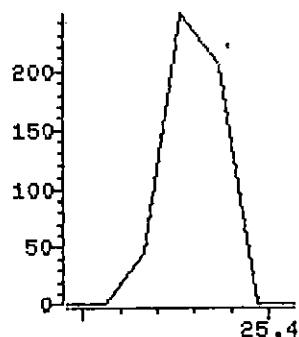
File >A9377 148.7-149.7



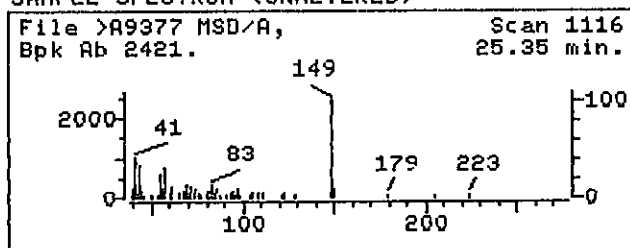
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



File >A9377 149.7-150.7



SAMPLE SPECTRUM (UNALTERED)



Data File: >A9377::A2

Name: MSD/A,

Misc: T403166-02,S,30.0,0.5,1,SPI 45,

Quant Time: 940328 21:37

Injected at: 940328 20:55

Last Qcal Time: 940328 15:34

Quant Output File: ^A9377::QT

Instrument ID: A

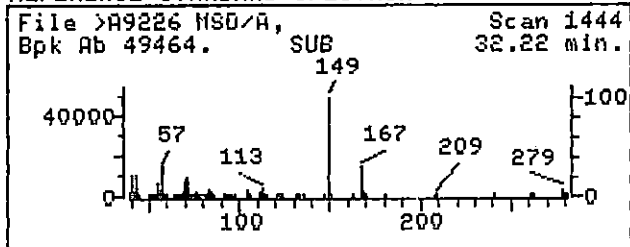
BTL# 8

Quant ID File: IDAB90::EX

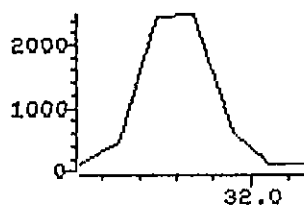
Last Calibration: 940311 08:27

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 1116
Retention Time: 25.35 min.
Quant Ion : 149.0
Area : 6944
Concentration : 1.13 NG
q-value : 99

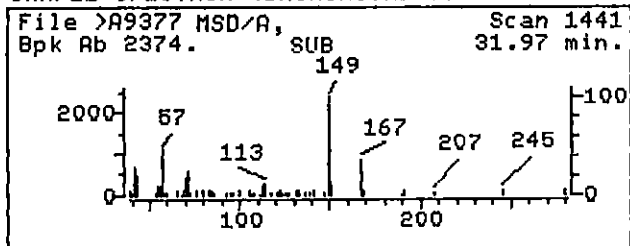
REFERENCE STANDARD SPECTRUM



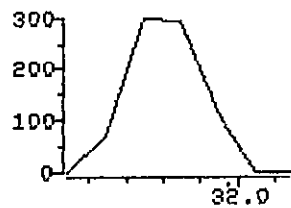
File >A9377 148.7-149.7



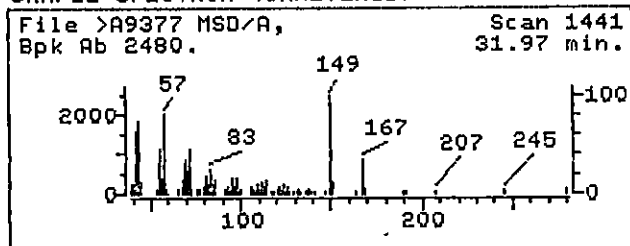
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



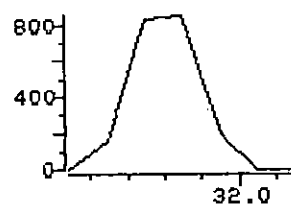
File >A9377 149.7-150.7



SAMPLE SPECTRUM (UNALTERED)



File >A9377 166.7-167.7



Data File: >A9377::A2

Quant Output File: ^A9377::QT

Name: MSD/A,

Instrument ID: A

Misc: T403166-02,S,30.0,0.5,1,SPI 45,

BTL# 8

Quant Time: 940328 21:37

Quant ID File: IDAB90::EX

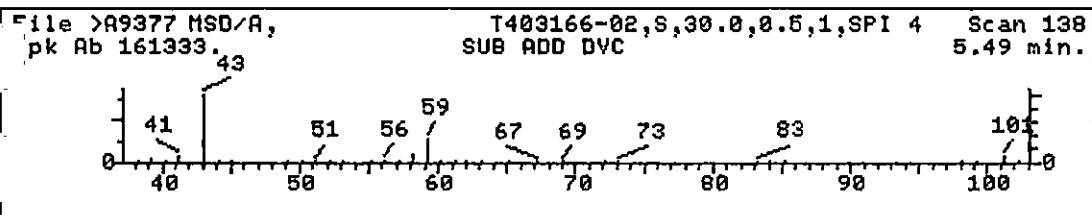
Injected at: 940328 20:55

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Compound No : 69
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 1441
Retention Time: 31.97 min.
Quant Ion : 149.0
Area : 6856
Concentration : 1.31 NG
q-value : 85

Instrument ID : MSD/A,, Analysis Date : 3/28/94 20:55

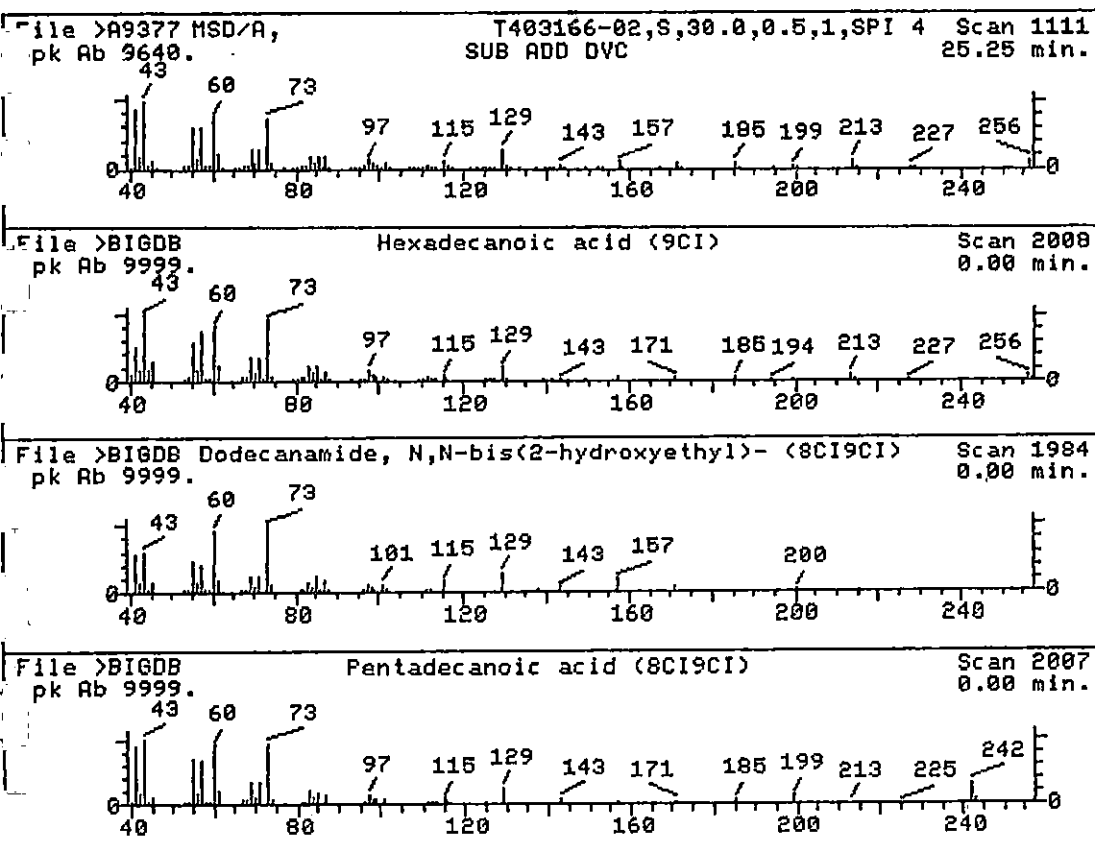


UNKNOWN #,2

AREA = 2994854. TENTATIVE CONCENTRATION IS 420.00

Sample file: >A9377 Spectrum #: 138

No data base entries were retrieved.



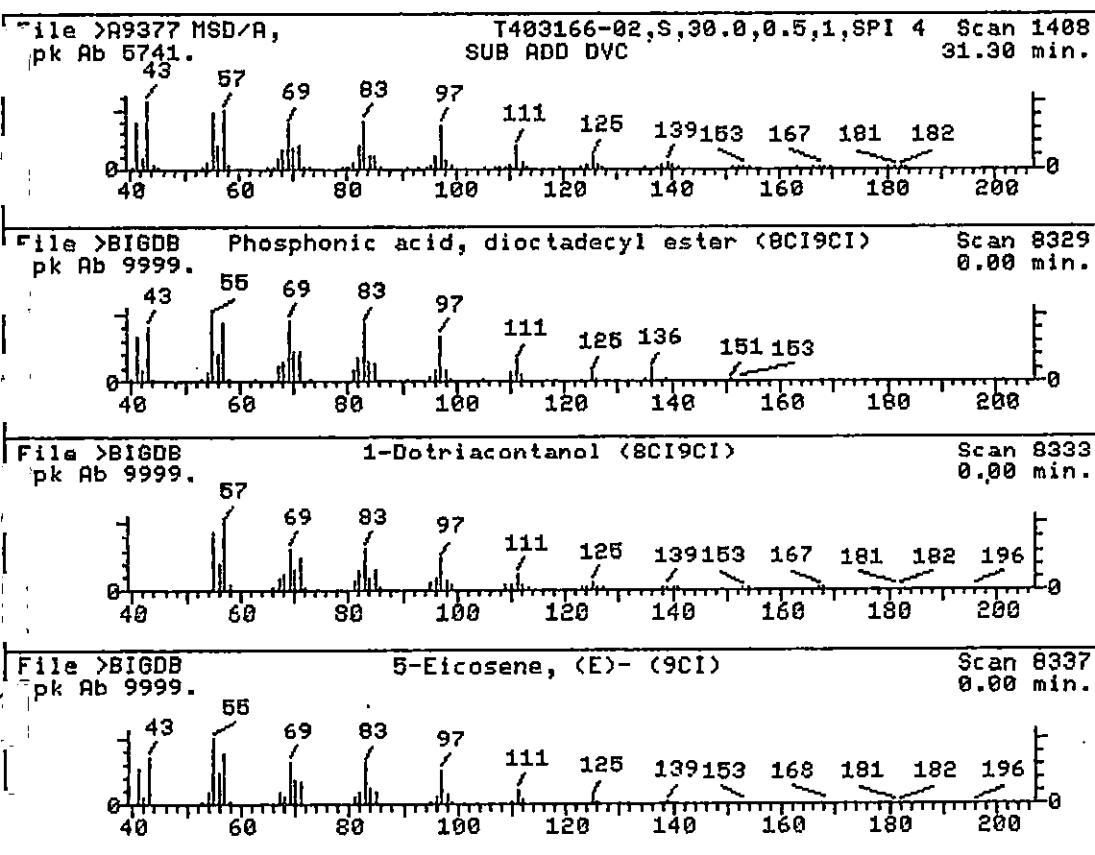
UNKNOWN #,8

AREA = 303083.0 TENTATIVE CONCENTRATION IS 32.00

1. Hexadecanoic acid (9CI)	256 C16H32O2
2. Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI)	287 C16H33NO3
3. Pentadecanoic acid (8CI9CI)	242 C15H30O2
4. Tetradecanoic acid (9CI)	228 C14H28O2
5. Glycine, N-methyl-N-(1-oxododecyl)- (9CI)	271 C15H29NO3

Sample file: >A9377 Spectrum #: 1111
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	91*	57103	2008	"BIGDB	93	58	1	0	72	25	53	92
2.	65	120401	1984	"BIGDB	98	55	1	0	71	32	24	59
3.	58	1002842	2007	"BIGDB	87	63	2	0	80	19	25	25
4.	49	544638	2005	"BIGDB	92	54	2	0	74	29	19	27
5.	42	97789	1972	"BIGDB	63	87	0	0	74	36	17	31



UNKNOWN #,18

AREA = 155683.0 TENTATIVE CONCENTRATION IS 14.00

1. Phosphonic acid, dioctadecyl ester (8CI9CI)	586 C36H75O3P
2. 1-Dotriacontanol (8CI9CI)	466 C32H66O
3. 5-Eicosene, (E)- (9CI)	280 C20H40
4. 1-Pentadecanol (8CI9CI)	228 C15H32O
5. 1-Hentetracontanol (9CI)	592 C41H84O

Sample file: >A9377 Spectrum #: 1408
Search speed: 1 Tilting option: N No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	89	19047859	8329	"BIGDB	129	71	2	0	66	3	66	66
2.	76	6624799	8333	"BIGDB	103	78	3	0	87	10	45	24
3.	71	74685306	8337	"BIGDB	103	52	1	0	78	27	29	63
4.	70	629765	8410	"BIGDB	73	90	3	0	70	10	42	13
5.	70	40710427	8384	"BIGDB	73	122	3	0	87	10	42	13

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

P-1

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403167-01

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9392

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 4.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/29/94

Injection Volume: 2 uL

Dilution Factor: 10

GPC Cleanup: [Y/N] Y pH: 5.30

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

108-95-2-----	Phenol	3500IU	
111-44-4-----	bis(2-chloroethyl)ether	3500IU	
95-57-8-----	2-Chlorophenol	3500IU	
541-73-1-----	1,3-Dichlorobenzene	3500IU	
106-46-7-----	1,4-Dichlorobenzene	3500IU	
95-50-1-----	1,2-Dichlorobenzene	3500IU	
95-48-7-----	2-Methylphenol	3500IU	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	3500IU	
106-44-5-----	4-Methylphenol	3500IU	
621-64-7-----	N-Nitroso-di-n-propylamine	3500IU	
67-72-1-----	Hexachloroethane	3500IU	
98-95-3-----	Nitrobenzene	3500IU	
78-59-1-----	Isophorone	3500IU	
88-75-5-----	2-Nitrophenol	3500IU	
105-67-9-----	2,4-Dimethylphenol	3500IU	
111-91-1-----	bis(2-Chloroethoxy)methane	3500IU	
120-83-2-----	2,4-Dichlorophenol	3500IU	
120-82-1-----	1,2,4-Trichlorobenzene	5500	
91-20-3-----	Naphthalene	3500IU	
106-47-8-----	4-Chloroaniline	3500IU	
87-68-3-----	Hexachlorobutadiene	3500IU	
59-50-7-----	4-Chloro-3-methylphenol	3500IU	
91-57-6-----	2-Methylnaphthalene	3500IU	
77-47-8-----	Hexachlorocyclopentadiene	3500IU	
88-06-2-----	2,4,6-Trichlorophenol	3500IU	
95-95-4-----	2,4,5-Trichlorophenol	8700IU	
91-58-7-----	2-Chloronaphthalene	3500IU	
88-74-4-----	2-Nitroaniline	8700IU	
131-11-3-----	Dimethylphthalate	3500IU	
208-96-8-----	Acenaphthylene	3500IU	
606-20-2-----	2,6-Dinitrotoluene	3500IU	
99-09-2-----	3-Nitroaniline	8700IU	
83-32-9-----	Acenaphthene	3500IU	

223

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

P-1

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403167-01

Sample wt/vol: 30.00

[g/mL] G

Lab File ID: >A9392

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 4.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume:

500 uL

Date Analyzed: 03/29/94

Injection Volume: 2 uL

Dilution Factor: 10

GPC Cleanup: [Y/N] Y

pH: 5.30

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q

51-28-5-----	2,4-Dinitrophenol	8700IU	
100-02-7-----	4-Nitrophenol	8700IU	
132-64-9-----	Dibenzofuran	3500IU	
121-14-2-----	2,4-Dinitrotoluene	3500IU	
84-73-7-----	Diethylphthalate	3500IU	
7005-72-3-----	4-Chlorophenyl-phenylether	3500IU	
86-73-7-----	Fluorene	3500IU	
100-01-6-----	4-Nitroaniline	8700IU	
534-52-1-----	4,6-Dinitro-2-methylphenol	8700IU	
86-30-6-----	N-Nitrosodiphenylamine (1)	3500IU	
101-55-3-----	4-Bromophenyl-phenylether	3500IU	
118-74-1-----	Hexachlorobenzene	3500IU	
87-86-5-----	Pentachlorophenol	8700IU	
85-01-8-----	Phenanthrene	3500IU	
120-12-7-----	Anthracene	3500IU	
86-74-8-----	Carbazole	3500IU	
84-74-2-----	Di-n-butylphthalate	3500IU	
206-44-0-----	Fluoranthene	3500IU	
129-00-0-----	Pyrene	3500IU	
85-68-7-----	Butylbenzylphthalate	1200	J
91-94-1-----	3,3'-Dichlorobenzidine	3500IU	
56-55-3-----	Benzo(a)anthracene	3500IU	
218-01-9-----	Chrysene	3500IU	
117-81-7-----	bis(2-Ethylhexyl)phthalate	10000	
117-84-0-----	Di-n-octylphthalate	580	J
205-99-2-----	Benzo(b)fluoranthene	3500IU	
207-08-9-----	Benzo(k)fluoranthene	3500IU	
50-32-8-----	Benzo(a)pyrene	3500IU	
193-39-5-----	Indeno(1,2,3-cd)pyrene	3500IU	
53-70-3-----	Dibenz(a,h)anthracene	3500IU	
191-24-2-----	Benzo(g,h,i)perylene	3500IU	

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

P-1

Lab Name: LRI

Contract:

Lab Code: LRI

Case No. 03166

SAS No.:

SDG No.: 316601

Matrix: (soil/water) SOIL

Lab Sample ID: T403167-01

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: >A9392

Level: (low/med) LOW

Date Received: 03/14/94

% Moisture: 4.0 decanted. (Y/N) N

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 (ul)

Date Analyzed: 03/29/94

Injection Volume: 2 (ul)

Dilution Factor: 10

GC Cleanup: (Y/N) Y

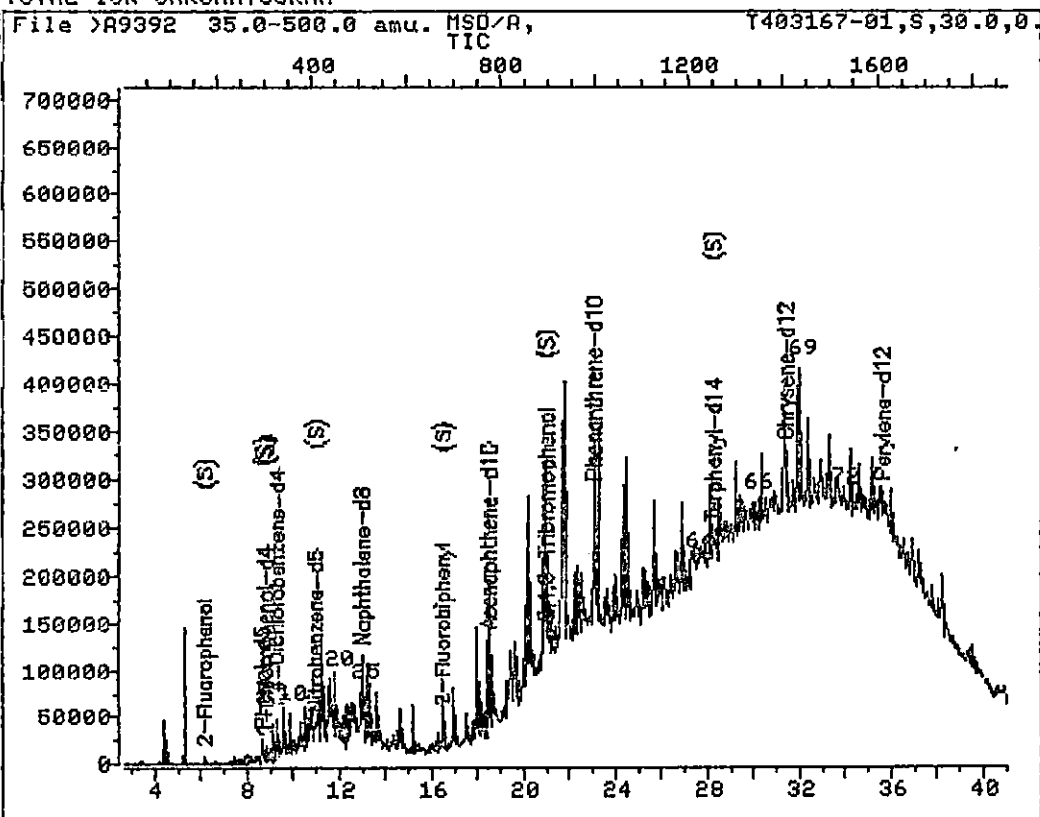
pH: 5.30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 25

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- - Aldol Condensation	5.25	31000.	J
2.	- - Unknown	10.75	19000.	J
3.	- - Unknown Alkane	11.24	8300.	J
4.	- - Unknown Alkane	13.26	7300.	J
5.	- - Unknown Alkane	17.94	6300.	J
6.	- - Unknown Alkane	18.56	6900.	J
7.	- - Unknown Cycloalkane	19.44	6100.	J
8.	- - Unknown Alkane	19.56	5400.	J
9.	- - Unknown Alkane	20.13	12000.	J
10.	- - Unknown Alkane	20.87	5700.	J
11.	- - Unknown Alkane	21.65	7300.	J
12.	- - Unknown Alkane	21.73	8700.	J
13.	- - Unknown Alkane	22.26	3100.	J
14.	- - Unknown Alkane	22.37	2300.	J
15.	- - Unknown Alkane	22.53	2800.	J
16.	- - Unknown Alkane	24.27	3500.	J
17.	- - Unknown Alkane	24.40	4900.	J
18.	- - Unknown Alkane	25.67	3000.	J
19.	- - Unknown	26.88	2800.	J
20.	- - Unknown Alkane	28.48	12000.	J
21.	- - Unknown Alkane	32.34	15000.	J
22.	- - Unknown Alkane	33.29	12000.	J
23.	- - Unknown Alkane	34.21	12000.	J
24.	- - Unknown	36.94	13000.	J
25.	- - Unknown	38.17	16000.	J

TOTAL ION CHROMATOGRAM



Data File: >A9392::A2

Quant Output File: ^A9392::QT

Name: MSD/A,

Instrument ID: A

Misc: T403167-01,S,30.0,0.5,10,P-1,

BTL# 3

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940311 08:27

Last Qcal Time: 940329 16:47

Operator ID: BNA3

Quant Time : 940330 08:33

Injected at: 940329 17:51

QUANT REPORT

Operator ID: BNA3
 Output File: ^A9392::QT
 Data File: ^A9392::A2
 Name: MSD/A,
 Disc: T403167-01,S,30.0,0.5,10,P-1,

Quant Rev: 7 Quant Time: 940330 08:33
 Injected at: 940329 17:51
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 3

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qcal Date: 940329 16:47

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *1,4-Dichlorobenzene-d4	9.30	152.0	15241	40.00	NG	98
2) 2-Fluorophenol (S)	6.13	112.0	5477	12.28	NG	87
3) Phenol-d5 (S)	8.67	99.0	11499	15.43	NG	98
5) 2-Chlorophenol-d4 (S)	8.79	132.0	9446	15.39	NG	87
10) 1,2-Dichlorobenzene-d4 (S)	9.81	152.0	4440	11.04	NG	92
17) *Naphthalene-d8	12.99	136.0	71262	40.00	NG	87
8) Nitrobenzene-d5 (S)	10.97	82.0	7213	10.29	NG	83
5) 1,2,4-Trichlorobenzene	12.91	180.0	19936	31.62	NG	94
31) *Acenaphthene-d10	18.46	164.0	57377	40.00	NG	92
5) 2-Fluorobiphenyl (S)	16.46	172.0	24078	14.47	NG	95
1) 2,4,6-Tribromophenol (S)	20.95	330.0	4906	12.79	NG	91
2) *Phenanthrene-d10	23.02	188.0	80888	40.00	NG	98
43) *Chrysene-d12	31.39	240.0	109409	40.00	NG	95
5) Terphenyl-d14 (S)	28.22	244.0	29215M	13.68	NG	88
6) Butylbenzylphthalate	29.99	149.0	16803	7.18	NG	84
69) bis(2-Ethylhexyl)phthalate	31.96	149.0	200486	60.38	NG	82
1) *Perylene-d12	35.60	264.0	86355	40.00	NG	94
2) Di-n-octylphthalate	33.76	149.0	15296	3.35	NG	85

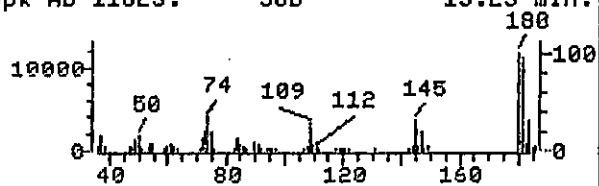
* Compound is ISTD

4

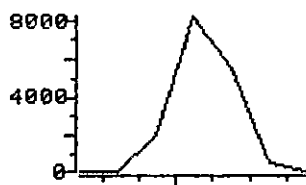
OR

REFERENCE STANDARD SPECTRUM

File >A9227 1,2,4-Trichlorob Scan 509
Bpk Ab 11823. SUB 13.23 min.

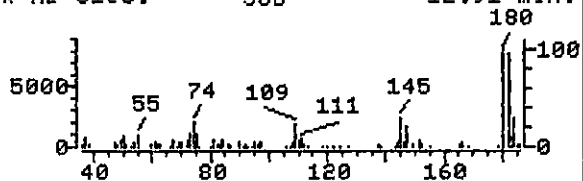


File >A9392 179.7-180.7

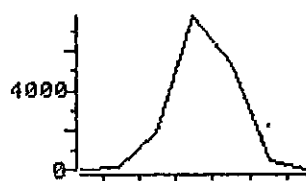


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

File >A9392 MSD/A, Scan 503
Bpk Ab 8163. SUB 12.91 min.

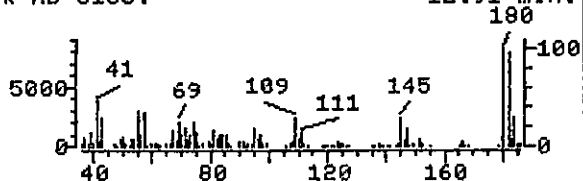


File >A9392 181.7-182.7

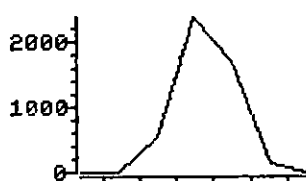


SAMPLE SPECTRUM (UNALTERED)

File >A9392 MSD/A, Scan 503
Bpk Ab 8163. SUB 12.91 min.



File >A9392 183.7-184.7



Data File: >A9392::A2

Name: MSD/A,

Misc: T403167-01,S,30.0,0.5,10,P-1,

Quant Time: 940330 08:33

Injected at: 940329 17:51

Last Qcal Time: 940329 16:47

Quant Output File: ^A9392::QT

Instrument ID: A

BTL# 3

Quant ID File: IDAB90::EX

Last Calibration: 940311 08:27

Compound No : 25

Compound Name : 1,2,4-Trichlorobenzene

Scan Number : 503

Retention Time: 12.91 min.

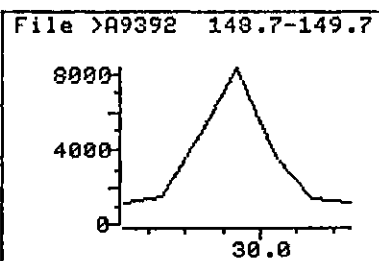
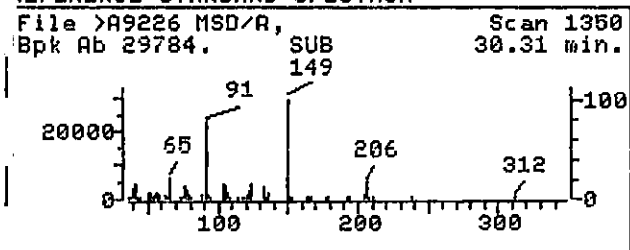
Quant Ion : 180.0

Area : 19936

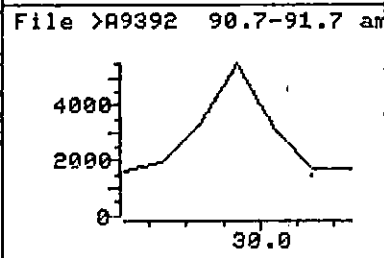
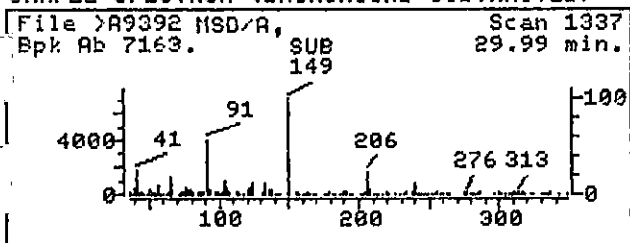
Concentration : 31.62 NG

q-value : 94

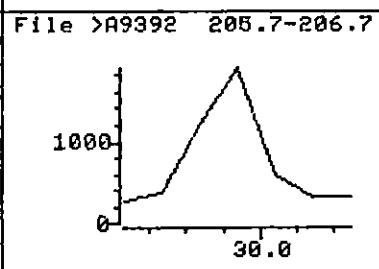
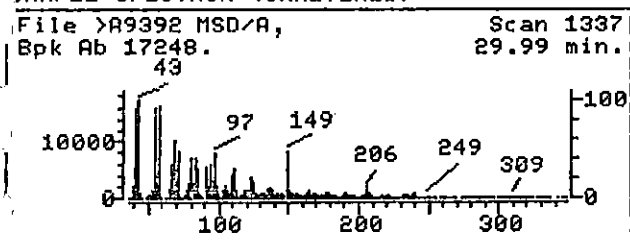
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

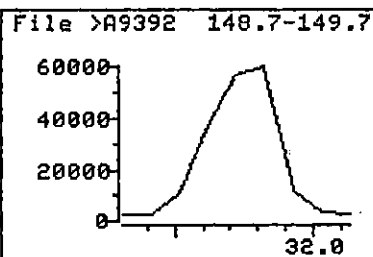
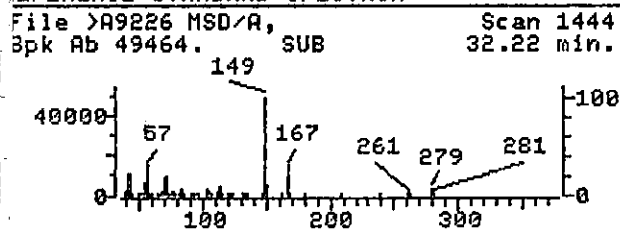


Data File: >A9392::A2
Name: MSD/A,
Misc: T403167-01,S,30.0,0.5,10,P-1,
Quant Time: 940330 08:33
Injected at: 940329 17:51
Last Qcal Time: 940329 16:47

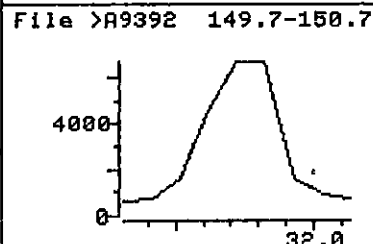
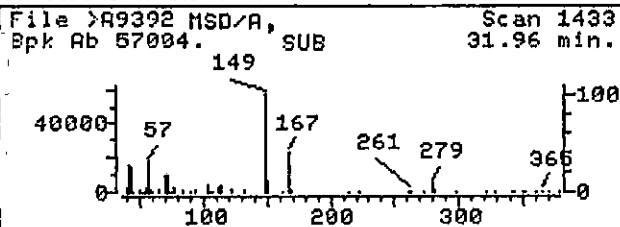
Quant Output File: ^A9392::QT
Instrument ID: A
BTL# 3
Quant ID File: IDAB90::EX
Last Calibration: 940311 08:27

Compound No : 66
Compound Name : Butylbenzylphthalate
Scan Number : 1337
Retention Time: 29.99 min.
Quant Ion : 149.0
Area : 16803
Concentration : 7.18 NG
q-value : 84

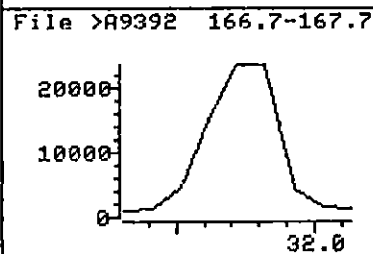
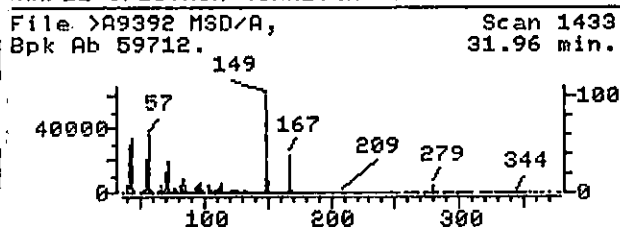
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



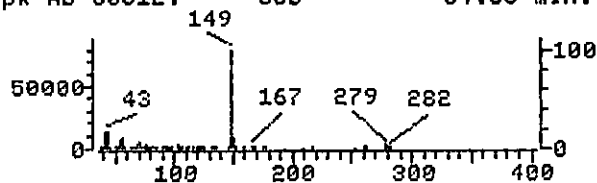
Data File: >A9392::A2
Name: MSD/A,
Misc: T403167-01,S,30.0,0.5,10,P-1,
Quant Time: 940330 08:33
Injected at: 940329 17:51
Last Qcal Time: 940329 16:47

Quant Output File: ^A9392::QT
Instrument ID: A
BTL# 3
Quant ID File: IDAB90::EX
Last Calibration: 940311 08:27

Compound No : 69
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 1433
Retention Time: 31.96 min.
Quant Ion : 149.0
Area : 200486
Concentration : 60.38 NG
q-value : 82

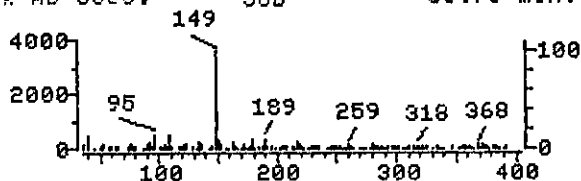
REFERENCE STANDARD SPECTRUM

File >A9226 MSD/A, Scan 1534
Bpk Ab 80312. SUB 34.05 min.



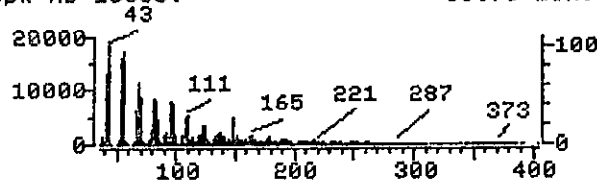
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

File >A9392 MSD/A, Scan 1520
Bpk Ab 3630. SUB 33.76 min.

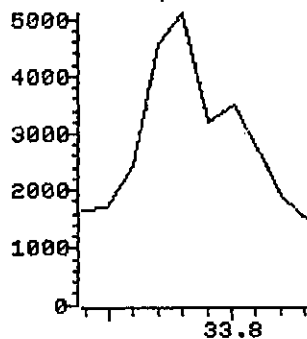


SAMPLE SPECTRUM (UNALTERED)

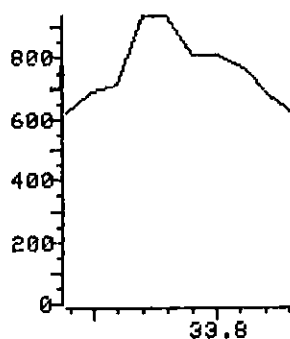
File >A9392 MSD/A, Scan 1520
Bpk Ab 18080. 33.76 min.



File >A9392 148.7-149.7



File >A9392 149.7-150.7



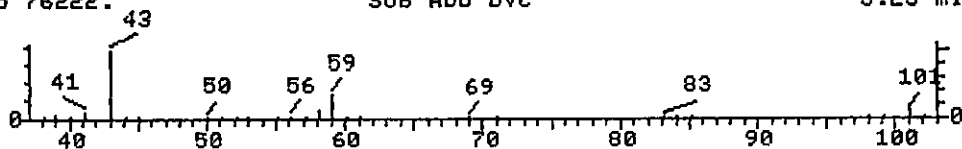
Data File: >A9392::A2
Name: MSD/A,
Misc: T403167-01,S,30.0,0.5,10,P-1,
Quant Time: 940330 08:33
Injected at: 940329 17:51
Last Qcal Time: 940329 16:47

Quant Output File: ^A9392::QT
Instrument ID: A
BTL# 3
Quant ID File: IDAB90::EX
Last Calibration: 940311 08:27

Compound No : 72
Compound Name : Di-n-octylphthalate
Scan Number : 1520
Retention Time: 33.76 min.
Quant Ion : 149.0
Area : 15296
Concentration : 3.35 NG
q-value : 85

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 127
pk Ab 76222. SUB ADD DVC 5.25 min.

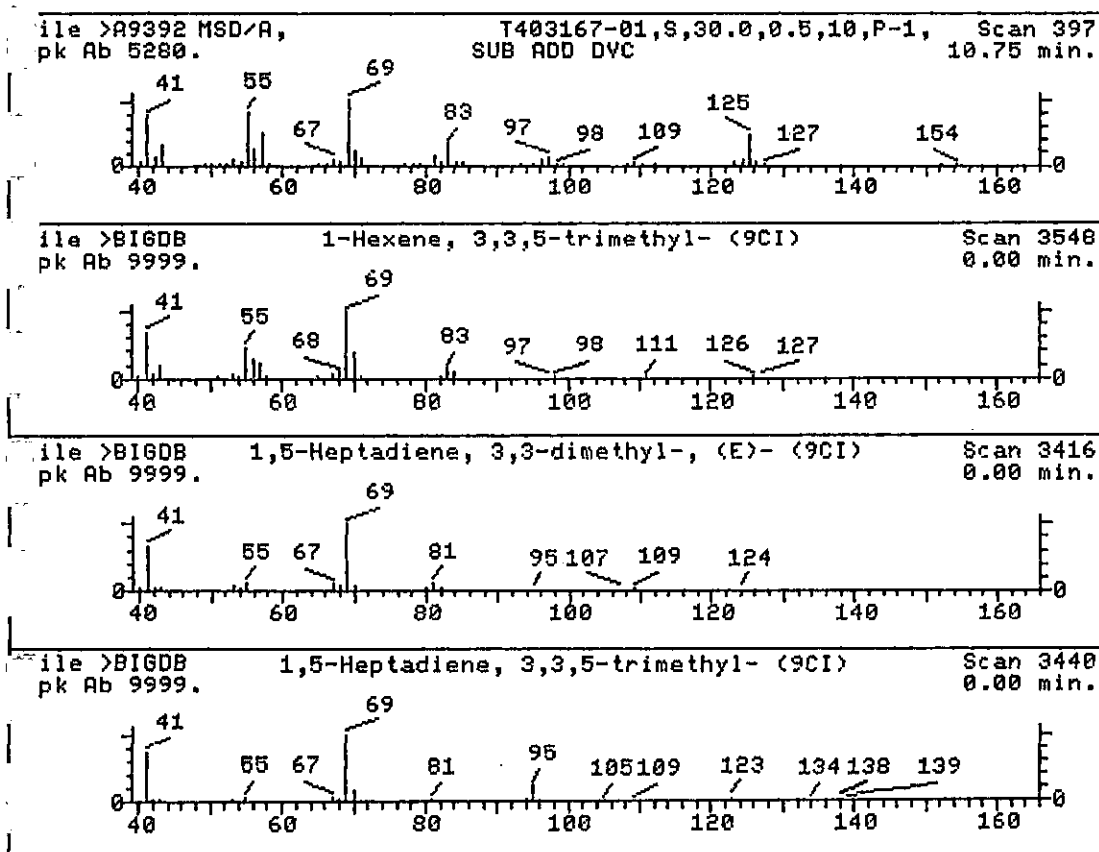


UNKNOWN #,1

AREA = 399431.0 TENTATIVE CONCENTRATION IS 180.00

Sample file: >A9392 Spectrum #: 127

No data base entries were retrieved.



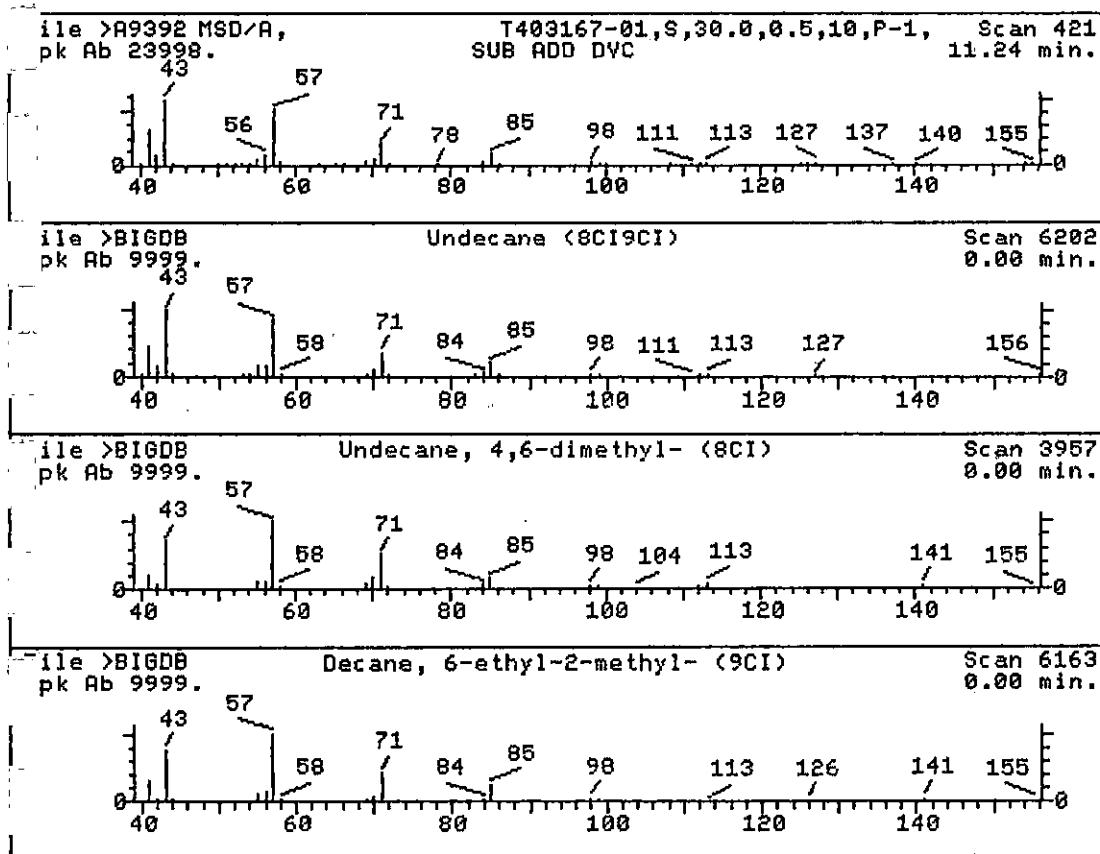
UNKNOWN #,2

AREA = 254208.0 TENTATIVE CONCENTRATION IS 110.00

1. 1-Hexene, 3,3,5-trimethyl- (9CI)	126 C9H18
2. 1,5-Heptadiene, 3,3-dimethyl-, (E)- (9CI)	124 C9H16
3. 1,5-Heptadiene, 3,3,5-trimethyl- (9CI)	138 C10H18
4. 1,5-Heptadiene, 3,3,6-trimethyl- (9CI)	138 C10H18
5. 2,6-Octadiene, 4-methyl- (9CI)	124 C9H16

Sample file: >A9392 Spectrum #: 397
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	26*	13427435	3548	"BIGDB	30	63	2	0	82	45	8	14
2.	21*	67682477	3416	"BIGDB	52	25	2	0	100	57	5	35
3.	20	74630298	3440	"BIGDB	36	48	2	0	100	51	5	12
4.	20	35387634	3695	"BIGDB	42	39	2	0	100	51	5	14
5.	18*	74498945	3425	"BIGDB	43	35	1	0	69	57	4	25



UNKNOWN #,3

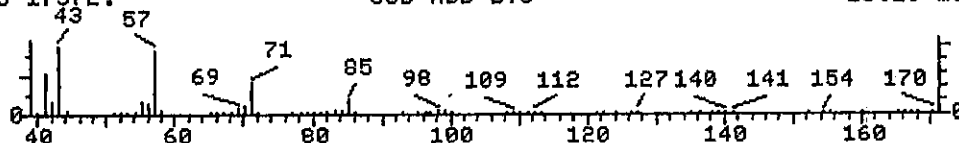
AREA = 312240.0 TENTATIVE CONCENTRATION IS 48.00

1. Undecane (8CI9CI)	156 C11H24
2. Undecane, 4,6-dimethyl- (8CI)	184 C13H28
3. Decane, 6-ethyl-2-methyl- (9CI)	184 C13H28
4. Octane, 3,5-dimethyl- (8CI9CI)	142 C10H22
5. Decane, 2,5,9-trimethyl- (9CI)	184 C13H28

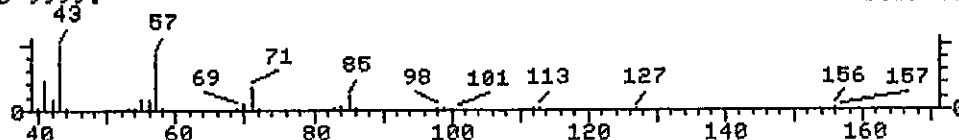
Sample file: >A9392 Spectrum #: 421
Search speed: 1 Tilting option: N No. of ion ranges searched: 55

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	1120214	6202	"BIGDB	88	9	0	0	73	1	72	96
2.	78	17312822	3957	"BIGDB	57	41	2	0	66	5	55	17
3.	70	62108218	6163	"BIGDB	60	39	2	0	70	7	42	19
4.	60	15869939	3611	"BIGDB	49	44	2	0	85	13	30	14
5.	59	62108229	3927	"BIGDB	51	40	0	0	59	21	27	30

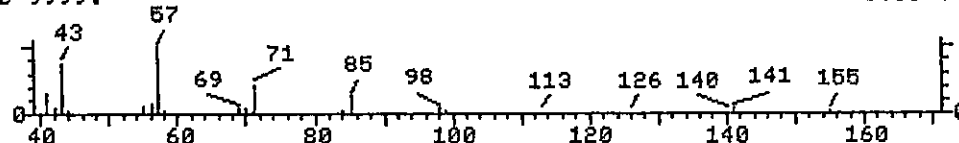
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 520
pk Ab 17572. SUB ADD DVC 13.26 min.



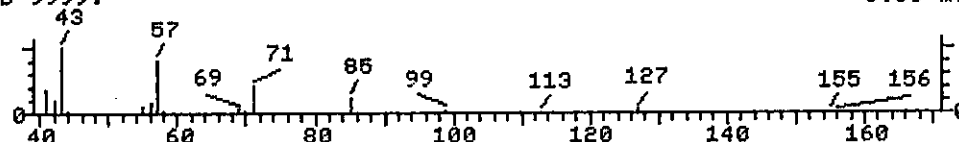
File >BIGDB Undecane (8CI9CI) Scan 6202
pk Ab 9999. 0.00 min.



File >BIGDB Decane, 6-ethyl-2-methyl- (9CI) Scan 6163
pk Ab 9999. 0.00 min.



File >BIGDB Decane, 2,9-dimethyl- (8CI9CI) Scan 6094
pk Ab 9999. 0.00 min.



UNKNOWN #,4

AREA = 275326.0 TENTATIVE CONCENTRATION IS 42.00

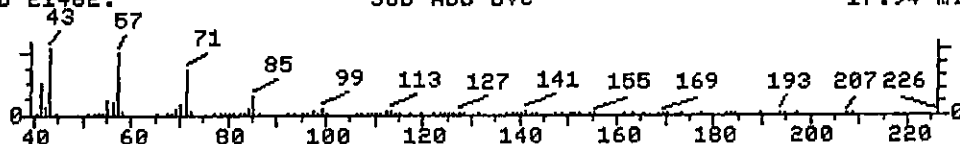
1. Undecane (8CI9CI)	156 C11H24
2. Decane, 6-ethyl-2-methyl- (9CI)	184 C13H28
3. Decane, 2,9-dimethyl- (8CI9CI)	170 C12H26
4. Undecane, 3,5-dimethyl- (8CI)	184 C13H28
5. Undecane, 4,6-dimethyl- (8CI)	184 C13H28

Sample file: >A9392 Spectrum #: 520
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

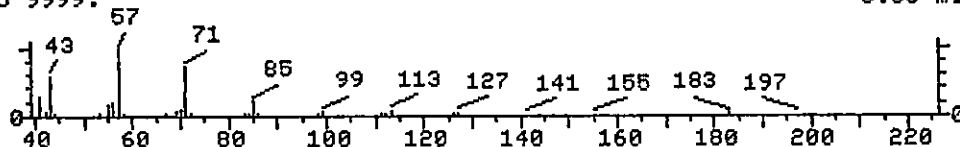
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86	1120214	6202	"BIGDB	77	20	1	0	92	2	60	38
2.	78	62108218	6163	"BIGDB	55	44	1	0	78	5	55	17
3.	70	1002171	6094	"BIGDB	59	33	2	0	84	8	42	19
4.	70	17312811	8754	"BIGDB	50	48	2	0	93	7	42	12
5.	67	17312822	3957	"BIGDB	63	35	2	0	67	11	34	22

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

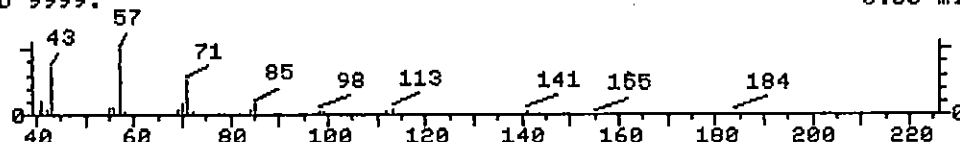
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 750
pk Ab 21462. SUB ADD DVC 17.94 min.



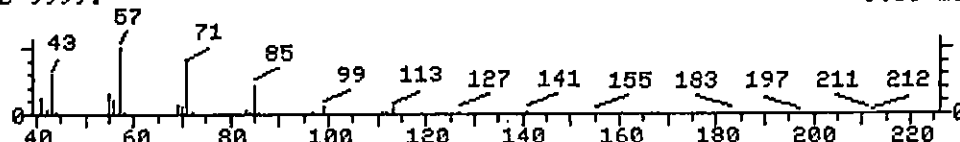
File >BIGDB Dodecane, 2,7,10-trimethyl- (9CI) Scan 3988
pk Ab 9999. 0.00 min.



File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957
pk Ab 9999. 0.00 min.



File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
pk Ab 9999. 0.00 min.



UNKNOWN #,5

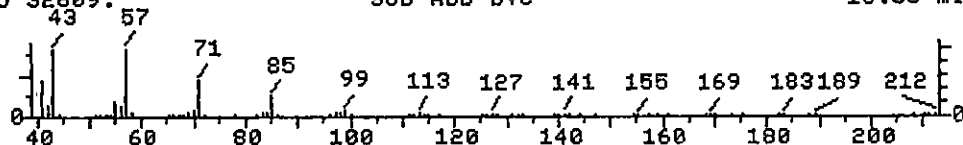
AREA = 361667.0 TENTATIVE CONCENTRATION IS 36.00

1. Dodecane, 2,7,10-trimethyl- (9CI)	212 C15H32
2. Undecane, 4,6-dimethyl- (8CI)	184 C13H28
3. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44
4. Octadecane, 2,6-dimethyl- (9CI)	282 C20H42
5. Hexadecane (8CI9CI)	226 C16H34

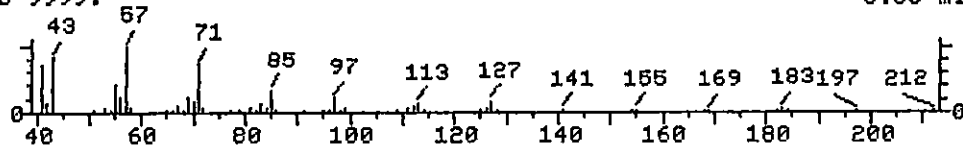
Sample file: >A9392 Spectrum #: 750
Search speed: 1 Tilting option: N No. of ion ranges searched: 48

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86	74645980	3988	"BIGDB	86	23	2	0	90	4	60	32
2.	84*	17312822	3957	"BIGDB	65	33	1	0	81	8	55	65
3.	83	54833486	6161	"BIGDB	87	46	2	0	65	1	57	25
4.	78	75163972	11258	"BIGDB	69	70	2	0	87	4	55	15
5.	78	544763	6146	"BIGDB	72	48	2	0	73	4	55	17

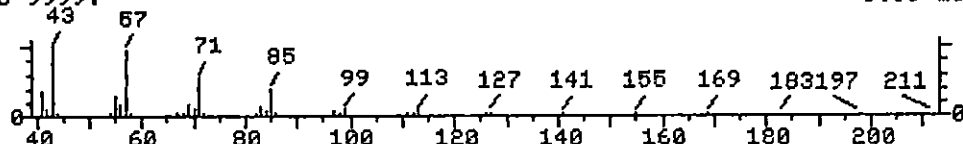
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 780
 pk Ab 32609. SUB ADD DVC 18.56 min.



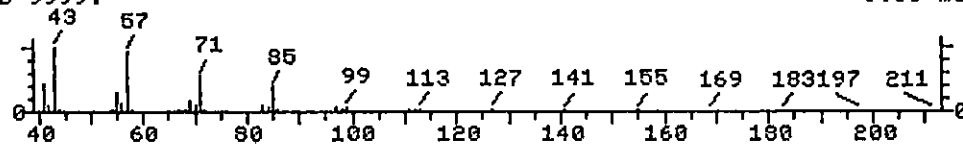
File >BIGDB Dodecane, 2,6,10-trimethyl- (8CI9CI) Scan 4036
 pk Ab 9999. 0.00 min.



File >BIGDB Octacosane (8CI9CI) Scan 6093
 pk Ab 9999. 0.00 min.



File >BIGDB Pentacosane (8CI9CI) Scan 6092
 pk Ab 9999. 0.00 min.



UNKNOWN #,6

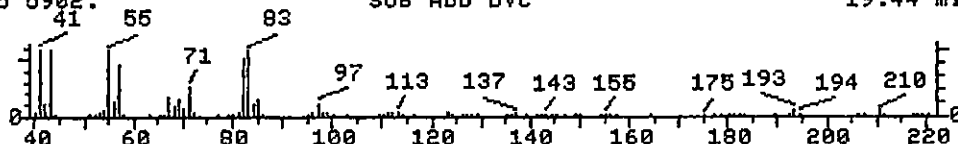
AREA = 398274.0 TENTATIVE CONCENTRATION IS 40.00

1. Dodecane, 2,6,10-trimethyl- (8CI9CI)	212 C15H32
2. Octacosane (8CI9CI)	394 C28H58
3. Pentacosane (8CI9CI)	352 C25H52
4. Hexacosane (8CI9CI)	366 C26H54
5. Nonacosane (8CI9CI)	408 C29H60

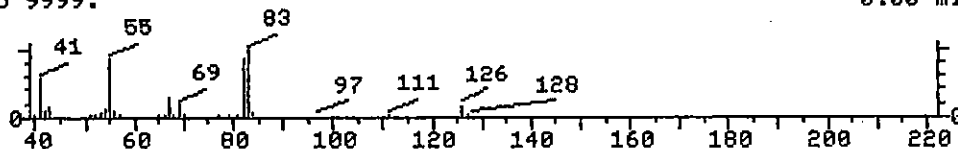
Sample file: >A9392 Spectrum #: 780
 Search speed: 1 Tilting option: N No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	79*	3891983	4036	"BIGDB	56	68	2	0	70	10	48	33
2.	78	630024	6093	"BIGDB	67	70	2	0	77	4	55	14
3.	78	629992	6092	"BIGDB	65	75	2	0	76	5	55	14
4.	78	630013	6058	"BIGDB	62	78	2	0	89	5	55	13
5.	78	630035	8905	"BIGDB	62	83	2	0	77	5	55	13

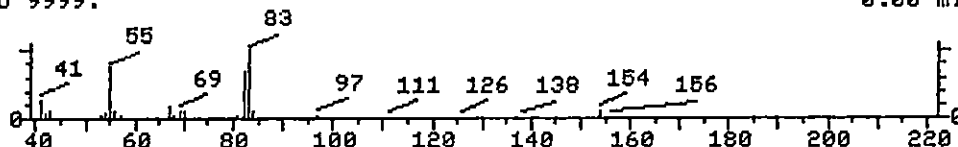
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 823
 Spk Ab 5902. SUB ADD DVC 19.44 min.



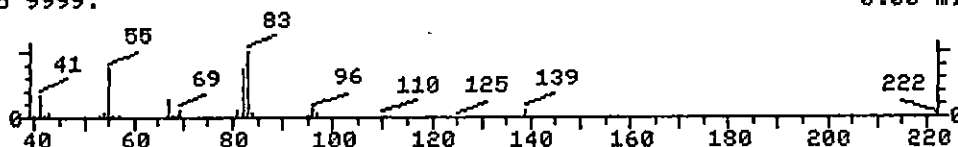
File >BIGDB Cyclohexane, (1-methylethyl)- (9CI) Scan 5414
 Spk Ab 9999. 0.00 min.



File >BIGDB Cyclohexane, pentyl- (8CI9CI) Scan 5646
 Spk Ab 9999. 0.00 min.



File >BIGDB Cyclohexane, 1,1'-(1,4-butanediyl)bis- (9CI) Scan 5442
 Spk Ab 9999. 0.00 min.



UNKNOWN #,7

AREA = 348988.0 TENTATIVE CONCENTRATION IS 35.00

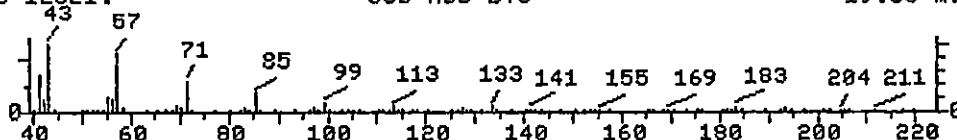
1. Cyclohexane, (1-methylethyl)- (9CI)	126 C9H18
2. Cyclohexane, pentyl- (8CI9CI)	154 C11H22
3. Cyclohexane, 1,1'-(1,4-butanediyl)bis- (9CI)	222 C16H30
4. Heptanenitrile (8CI9CI)	111 C7H13N
5. Pyridine, 2,3,4,5-tetrahydro- (8CI9CI)	83 C5H9N

Sample file: >A9392 Spectrum #: 823
 Search speed: 1 Tilting option: N No. of ion ranges searched: 43

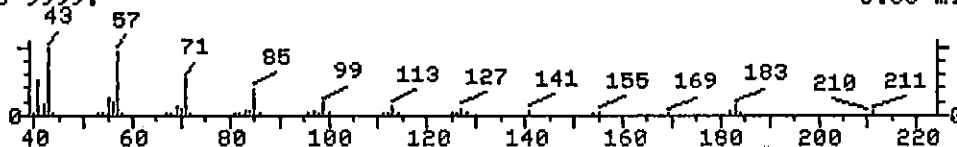
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30	696297	5414	"BIGDB	61	42	2	0	96	39	10	16
2.	28	4292926	5646	"BIGDB	45	50	1	0	98	37	10	14
3.	27*	6165442	5442	"BIGDB	48	72	3	0	98	37	10	13
4.	27*	629083	5370	"BIGDB	29	73	3	0	87	37	10	13
5.	20*	505180	5562	"BIGDB	25	68	3	0	180	54	5	13

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

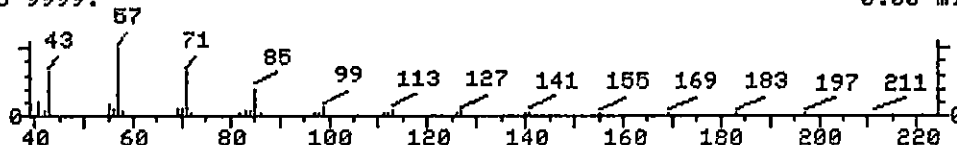
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 829
Spk Ab 12821. SUB ADD DVC 19.56 min.



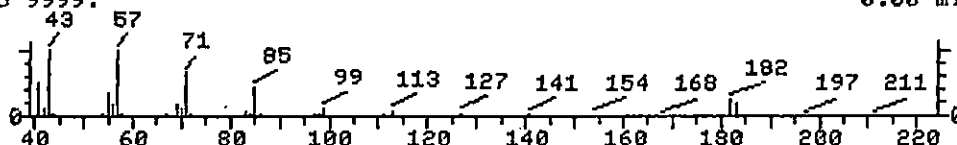
File >BIGDB Pentadecane, 2-methyl- (8CI9CI) Scan 6262
Spk Ab 9999. 0.00 min.



File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
Spk Ab 9999. 0.00 min.



File >BIGDB Tridecane, 7-hexyl- (8CI9CI) Scan 21884
Spk Ab 9999. 0.00 min.



UNKNOWN #,8

AREA = 311332.0 TENTATIVE CONCENTRATION IS 31.00

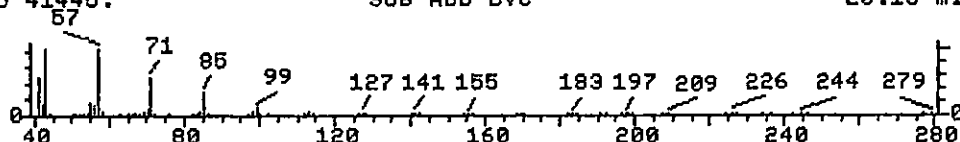
1. Pentadecane, 2-methyl- (8CI9CI)	226 C16H34
2. Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene)benzenamine-N,N']- (9CI)	398 C21H14FeN2O3
3. Tridecane, 7-hexyl- (8CI9CI)	268 C19H40
4. Nonane, 3,7-dimethyl- (8CI9CI)	156 C11H24
5. Tetratetracontane (8CI9CI)	618 C44H90

Sample file: >A9392 Spectrum #: 829
Search speed: 1 Tilting option: N No. of ion ranges searched: 48

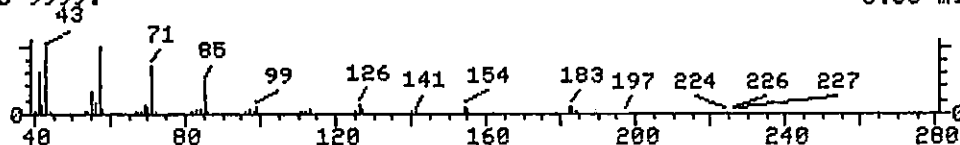
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78	1560936	6262	"BIGDB	65	67	2	0	69	4	55	14
2.	78	74764117	6168	"BIGDB	61	76	2	0	67	5	55	12
3.	78	7225663	21884	"BIGDB	67	63	2	0	58	4	55	14
4.	71	17302328	6100	"BIGDB	67	19	1	0	58	15	38	32
5.	70	7098228	8906	"BIGDB	61	95	2	0	57	7	42	12

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

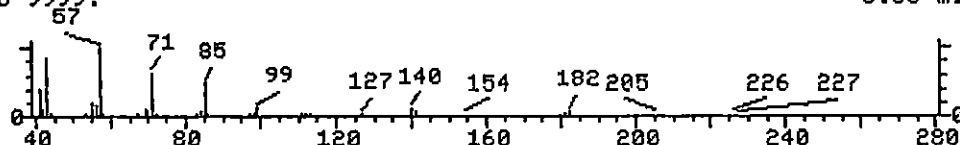
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 857
pk Ab 41445. SUB ADD DVC 20.13 min.



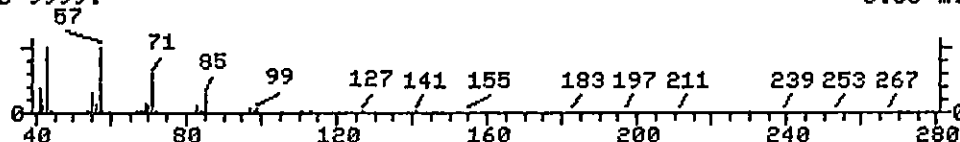
File >BIGDB Tridecane, 6-propyl- (9CI) Scan 6247
pk Ab 9999. 0.00 min.



File >BIGDB Dodecane, 2-methyl-6-propyl- (9CI) Scan 6244
pk Ab 9999. 0.00 min.



File >BIGDB Hexacosane (8CI9CI) Scan 6058
pk Ab 9999. 0.00 min.



UNKNOWN #,9

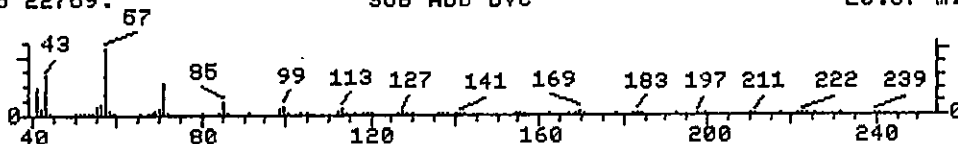
AREA = 706634.0 TENTATIVE CONCENTRATION IS 70.00

1. Tridecane, 6-propyl- (9CI)	226 C16H34
2. Dodecane, 2-methyl-6-propyl- (9CI)	226 C16H34
3. Hexacosane (8CI9CI)	366 C26H54
4. Pentacosane (8CI9CI)	352 C25H52
5. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44

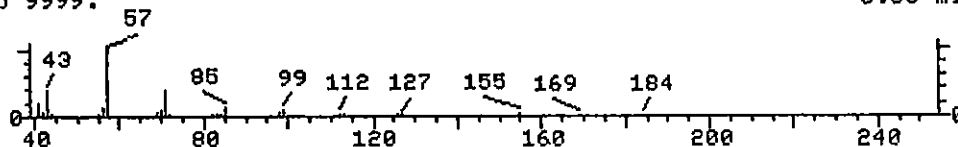
Sample file: >A9392 Spectrum #: 857
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87*	55045108	6247	"BIGDB	62	67	2	0	73	4	63	40
2.	81*	55045084	6244	"BIGDB	65	54	2	0	72	10	53	44
3.	78	630013	6058	"BIGDB	68	72	2	0	85	5	55	15
4.	78	629992	6092	"BIGDB	67	73	2	0	87	5	55	14
5.	78	54833486	6161	"BIGDB	62	71	2	0	76	5	55	13

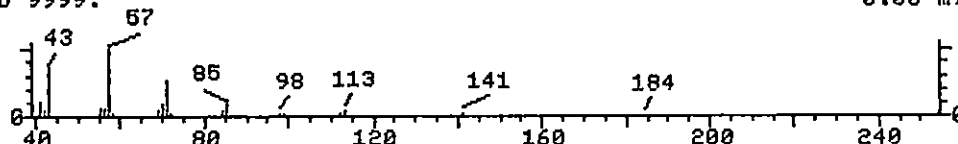
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 893
 Spk Ab 22759. SUB ADD DVC 20.87 min.



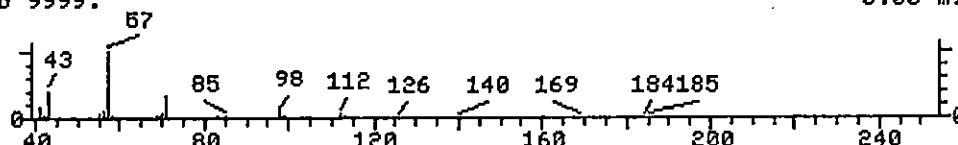
File >BIGDB Undecane, 3,5-dimethyl- (8CI) Scan 8754
 Spk Ab 9999. 0.00 min.



File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957
 Spk Ab 9999. 0.00 min.



File >BIGDB Dodecane, 6-methyl- (8CI9CI) Scan 8611
 Spk Ab 9999. 0.00 min.



UNKNOWN #,10

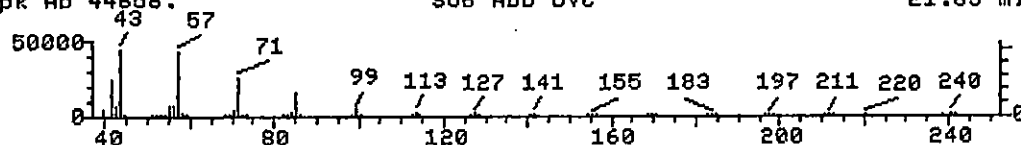
AREA = 553074.0 TENTATIVE CONCENTRATION IS 33.00

1. Undecane, 3,5-dimethyl- (8CI)	184 C13H28
2. Undecane, 4,6-dimethyl- (8CI)	184 C13H28
3. Dodecane, 6-methyl- (8CI9CI)	184 C13H28
4. Undecane, 3,6-dimethyl- (8CI)	184 C13H28
5. Undecane, 2,5-dimethyl- (8CI9CI)	184 C13H28

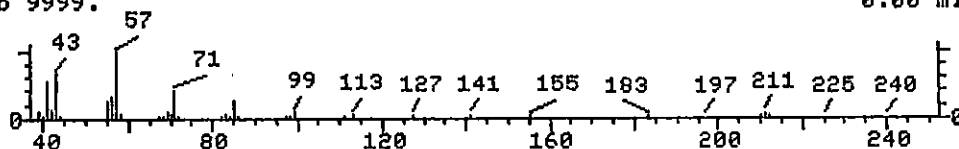
Sample file: >A9392 Spectrum #: 893
 Search speed: 1 Tilting option: N No. of ion ranges searched: 48

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87*	17312811	8754	"BIGDB	62	36	2	0	100	5	63	41
2.	81*	17312822	3957	"BIGDB	62	36	2	0	94	10	53	41
3.	75*	6044719	8611	"BIGDB	63	34	0	0	85	32	32	76
4.	60	17301289	3955	"BIGDB	54	43	2	0	100	15	30	15
5.	58	17301223	10849	"BIGDB	62	37	2	0	100	16	25	21

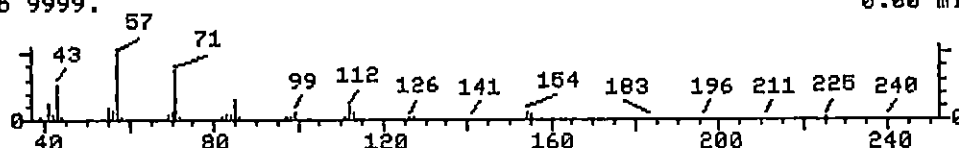
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 931
3pk Ab 44658. SUB ADD DVC 21.65 min.



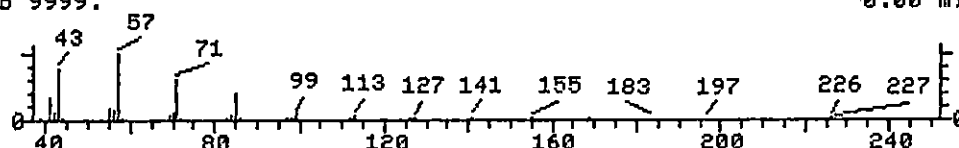
File >BIGDB Hexadecane, 3-methyl- (8CI9CI) Scan 6263
3pk Ab 9999. 0.00 min.



File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020
3pk Ab 9999. 0.00 min.



File >BIGDB Hexadecane (8CI9CI) Scan 6146
3pk Ab 9999. 0.00 min.



UNKNOWN #,11

AREA = 703129.0 TENTATIVE CONCENTRATION IS 42.00

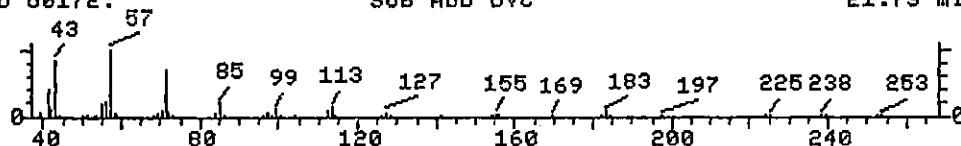
1. Hexadecane, 3-methyl- (8CI9CI)	240 C17H36
2. Hexadecane, 7-methyl- (8CI9CI)	240 C17H36
3. Hexadecane (8CI9CI)	226 C16H34
4. Tetradecane, 1-iodo- (8CI9CI)	324 C14H29I
5. Dodecane, 2-methyl-6-propyl- (9CI)	226 C16H34

Sample file: >A9392 Spectrum #: 931
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

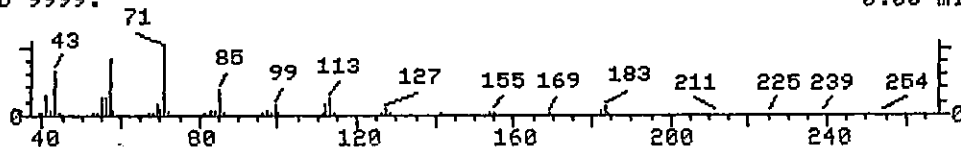
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78*	6418435	6263	"BIGDB	52	61	3	0	97	5	55	15
2.	78*	26730201	4020	"BIGDB	45	79	3	0	78	5	55	13
3.	78	544763	6146	"BIGDB	63	57	2	0	87	5	55	13
4.	70	19218941	6199	"BIGDB	81	47	3	0	82	7	42	14
5.	70	55045084	6244	"BIGDB	70	49	2	0	70	7	42	16

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

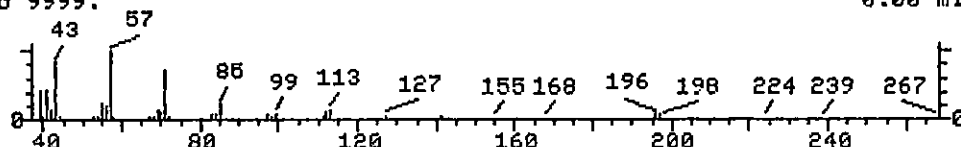
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 935
pk Ab 50172. SUB ADD DVC 21.73 min.



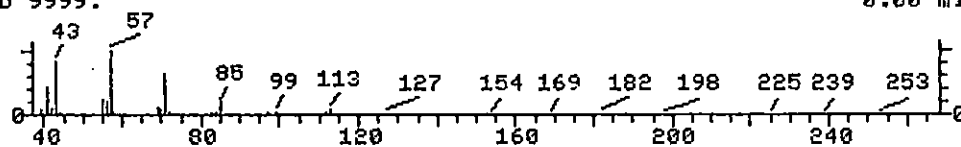
File >BIGDB Pentadecane, 2,6,10,14-tetramethyl- (8CI9CI) Scan 11242
pk Ab 9999. 0.00 min.



File >BIGDB Octadecane, 2,6-dimethyl- (9CI) Scan 11258
pk Ab 9999. 0.00 min.



File >BIGDB Heptadecane, 2,6-dimethyl- (9CI) Scan 3959
pk Ab 9999. 0.00 min.



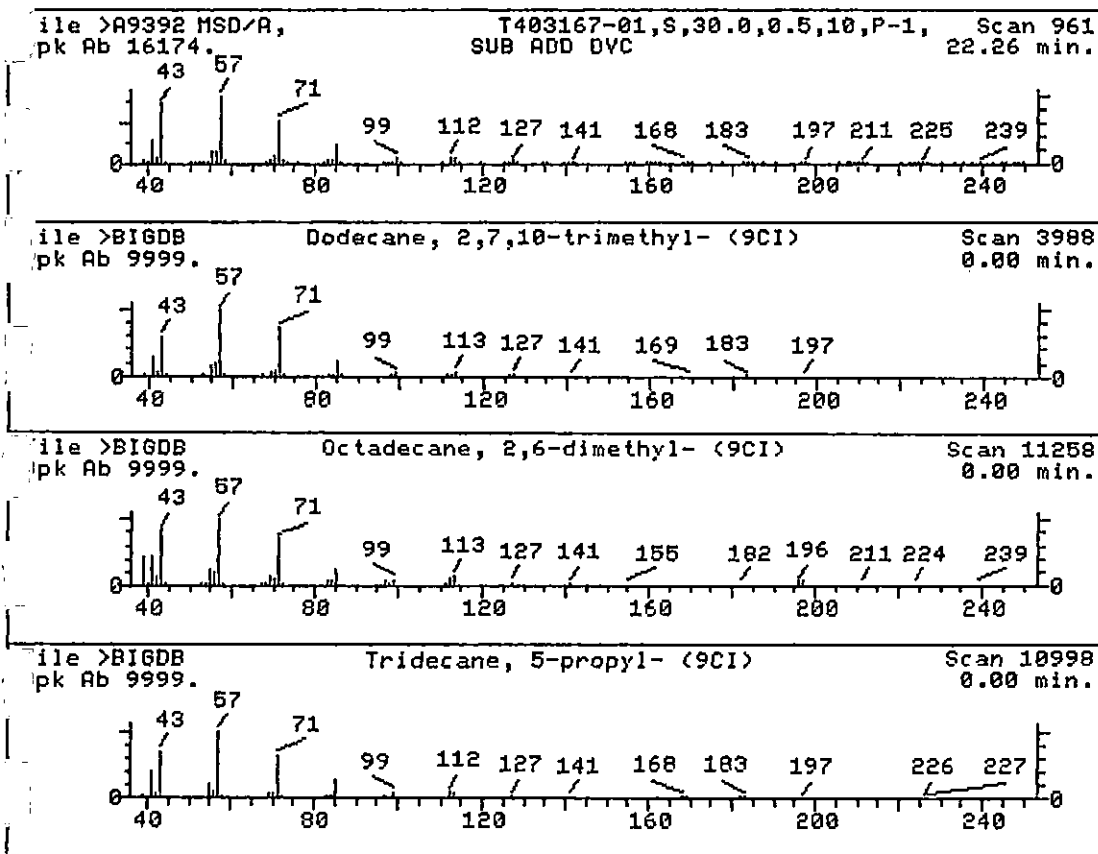
UNKNOWN #,12

AREA = 850818.0 TENTATIVE CONCENTRATION IS 50.00

1. Pentadecane, 2,6,10,14-tetramethyl- (8CI9CI)	268 C19H40
2. Octadecane, 2,6-dimethyl- (9CI)	282 C20H42
3. Heptadecane, 2,6-dimethyl- (9CI)	268 C19H40
4. Dodecane, 2-methyl-8-propyl- (9CI)	226 C16H34
5. Tridecane, 5-propyl- (9CI)	226 C16H34

Sample file: >A9392 Spectrum #: 935
Search speed: 1 Tilting option: N No. of ion ranges searched: 49

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	95*	1921706	11242	"BIGDB	103	32	1	0	54	0	72	95
2.	79	75163972	11258	"BIGDB	96	43	2	0	83	9	48	30
3.	79*	54105678	3959	"BIGDB	80	36	2	0	85	12	43	61
4.	78	55045073	22037	"BIGDB	75	53	2	0	73	4	55	19
5.	78	55045119	10998	"BIGDB	65	48	2	0	80	4	55	14



UNKNOWN #,13

AREA = 308217.0 TENTATIVE CONCENTRATION IS 18.00

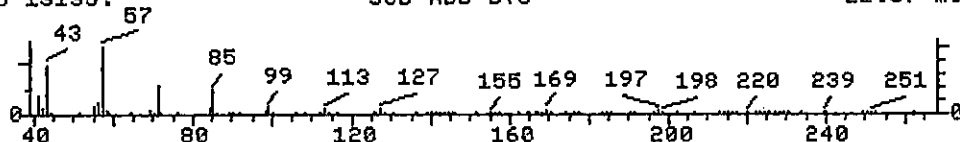
1. Dodecane, 2,7,10-trimethyl- (9CI)	212 C15H32
2. Octadecane, 2,6-dimethyl- (9CI)	282 C20H42
3. Tridecane, 5-propyl- (9CI)	226 C16H34
4. Decane, 5-propyl- (8CI)	184 C13H28
5. Heptadecane, 2,3-dimethyl- (9CI)	268 C19H40

Sample file: >A9392 Spectrum #: 961
Search speed: 1 Tilting option: N No. of ion ranges searched: 47

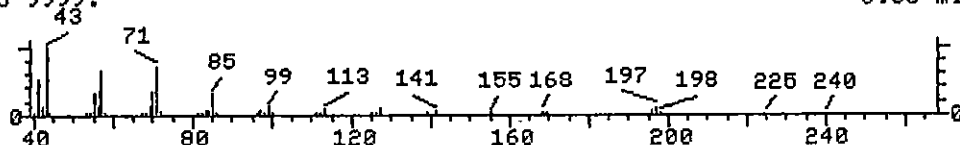
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	71	74645980	3988	"BIGDB	82	27	2	0	87	13	38	30
2.	70	75163972	11258	"BIGDB	76	63	2	0	80	6	42	19
3.	66*	55045119	10998	"BIGDB	65	48	2	0	99	16	31	44
4.	63*	17312628	4003	"BIGDB	60	51	2	0	73	16	30	37
5.	60	61868039	27302	"BIGDB	60	74	2	0	66	13	30	12

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

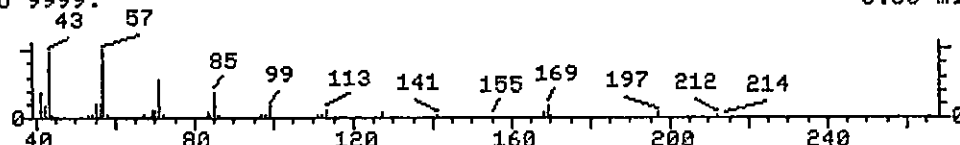
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 966
pk Ab 13135. SUB ADD DVC 22.37 min.



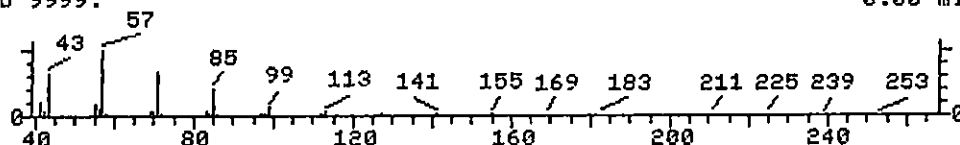
File >BIGDB Hexadecane, 4-methyl- (8CI9CI) Scan 23928
pk Ab 9999. 0.00 min.



File >BIGDB Tetradecane, 2-methyl- (8CI9CI) Scan 20224
pk Ab 9999. 0.00 min.



File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
pk Ab 9999. 0.00 min.



UNKNOWN #,14

AREA = 222961.0 TENTATIVE CONCENTRATION IS 13.00

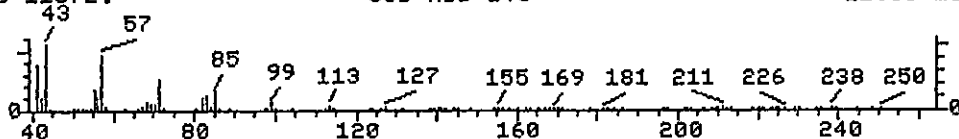
1. Hexadecane, 4-methyl- (8CI9CI)	240 C17H36
2. Tetradecane, 2-methyl- (8CI9CI)	212 C15H32
3. Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene)benzenamine-N,N']- (9CI)	398 C21H14FeN2O3
4. Tridecane, 3-methyl- (8CI9CI)	198 C14H30
5. Eicosane, 10-methyl- (9CI)	296 C21H44

Sample file: >A9392 Spectrum #: 966
Search speed: 1 Tilting option: N No. of ion ranges searched: 49

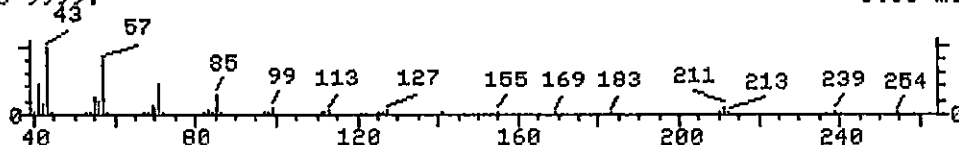
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	70*	25117264	23928	"BIGDB	43	85	2	0	61	10	42	14
2.	70	1560958	20224	"BIGDB	64	60	2	0	71	7	42	14
3.	60	74764117	6168	"BIGDB	61	76	2	0	68	12	30	12
4.	60*	6418413	8959	"BIGDB	44	66	3	0	87	15	30	13
5.	60	54833237	6226	"BIGDB	69	64	2	0	73	15	30	15

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

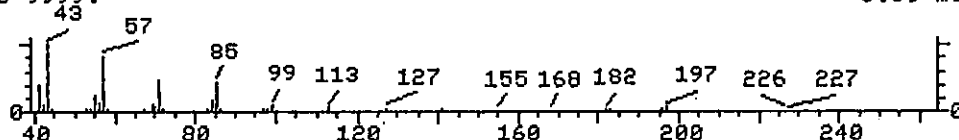
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 974
Spk Ab 11072. SUB ADD DVC 22.53 min.



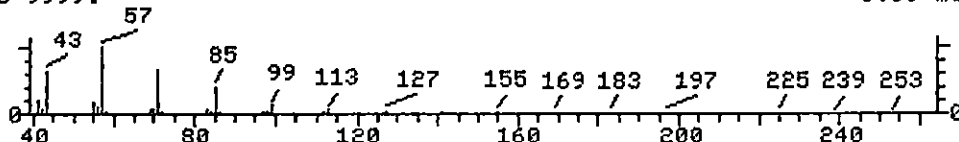
File >BIGDB Heptadecane, 2-methyl- (8CI9CI) Scan 25807
Spk Ab 9999. 0.00 min.



File >BIGDB Tetradecane, 4-ethyl- (9CI) Scan 6255
Spk Ab 9999. 0.00 min.



File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
Spk Ab 9999. 0.00 min.



UNKNOWN #,15

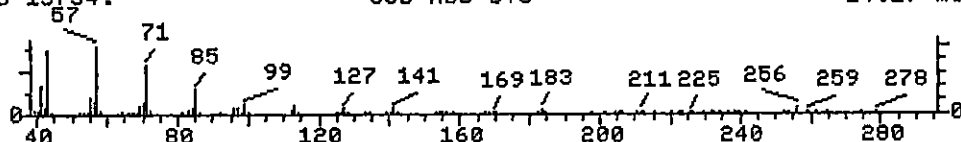
AREA = 261593.0 TENTATIVE CONCENTRATION IS 16.00

1. Heptadecane, 2-methyl- (8CI9CI)	254 C18H38
2. Tetradecane, 4-ethyl- (9CI)	226 C16H34
3. Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene)benzenamine-N,N']- (9CI)	398 C21H14FeN2O3
4. Heptadecane, 4-propyl- (9CI)	282 C20H42
5. Nonacosane (8CI9CI)	408 C29H60

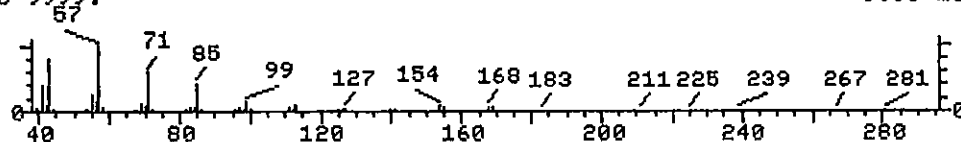
Sample file: >A9392 Spectrum #: 974
Search speed: 1 Tilting option: N No. of ion ranges searched: 52

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78	1560890	25807	"BIGDB	69	60	2	0	94	5	55	15
2.	76*	55045142	6255	"BIGDB	72	49	2	0	70	13	40	54
3.	70	74764117	6168	"BIGDB	66	71	2	0	71	10	42	14
4.	70	55044105	28550	"BIGDB	62	71	2	0	84	8	42	13
5.	70	630035	8905	"BIGDB	67	78	2	0	81	10	42	14

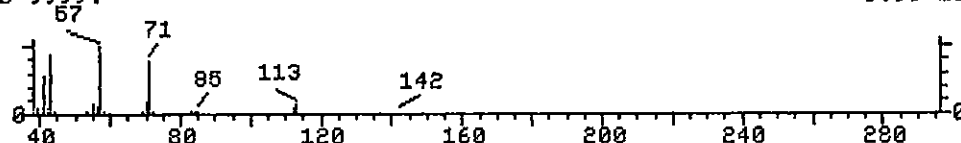
file >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1059
pk Ab 15734. SUB ADD DVC 24.27 min.



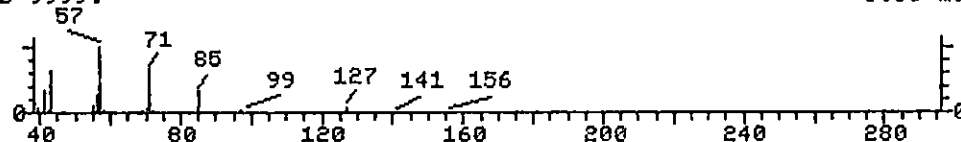
file >BIGDB Eicosane, 10-methyl- (9CI) Scan 6226
pk Ab 9999. 0.00 min.



file >BIGDB Heptane, 3-ethyl-5-methyl- (9CI) Scan 3958
pk Ab 9999. 0.00 min.



file >BIGDB Nonane, 3,7-dimethyl- (8CI9CI) Scan 6100
pk Ab 9999. 0.00 min.



UNKNOWN #,16

AREA = 337187.0 TENTATIVE CONCENTRATION IS 20.00

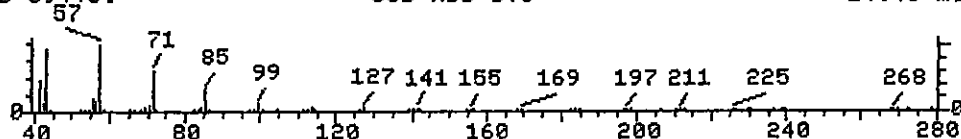
1. Eicosane, 10-methyl- (9CI)	296 C21H44
2. Heptane, 3-ethyl-5-methyl- (9CI)	142 C10H22
3. Nonane, 3,7-dimethyl- (8CI9CI)	156 C11H24
4. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44
5. Undecane, 3,8-dimethyl- (8CI)	184 C13H28

Sample file: >A9392 Spectrum #: 1059
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

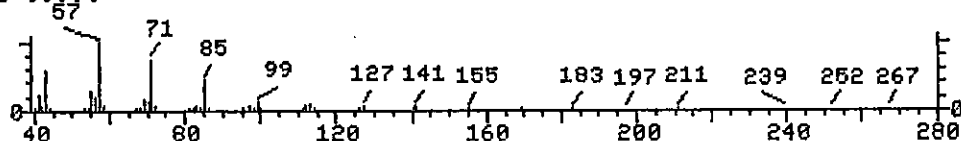
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	73*	54833237	6226	"BIGDB	89	44	2	0	83	23	32	67
2.	67*	52896909	3958	"BIGDB	64	30	0	0	72	50	20	77
3.	59*	17302328	6100	"BIGDB	57	29	1	0	78	40	21	57
4.	58	54833486	6161	"BIGDB	93	40	2	0	82	19	25	28
5.	54	17301303	6154	"BIGDB	76	32	2	0	94	23	22	26

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

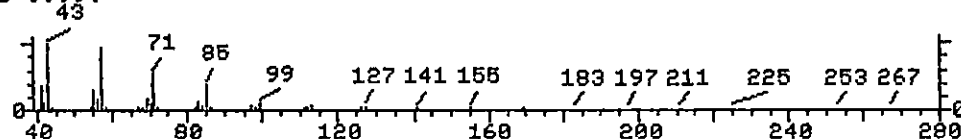
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1065
pk Ab 39445. SUB ADD DVC 24.40 min.



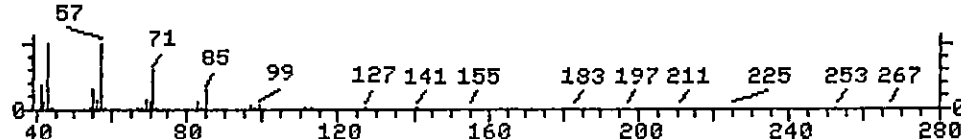
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
pk Ab 9999. 0.00 min.



File >BIGDB Octacosane (8CI9CI) Scan 6093
pk Ab 9999. 0.00 min.



File >BIGDB Hexacosane (8CI9CI) Scan 6058
pk Ab 9999. 0.00 min.



UNKNOWN #,17

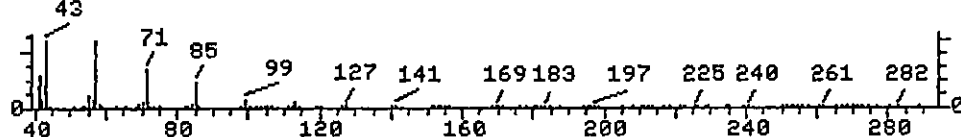
AREA = 475749.0 TENTATIVE CONCENTRATION IS 20.00

1. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44
2. Octacosane (8CI9CI)	394 C28H58
3. Hexacosane (8CI9CI)	366 C26H54
4. Pentacosane (8CI9CI)	352 C25H52
5. Hexadecane (8CI9CI)	226 C16H34

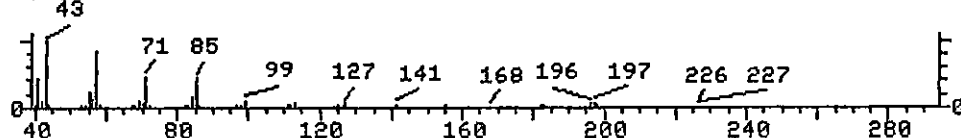
Sample file: >A9392 Spectrum #: 1065
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83	54833486	6161	"BIGDB	81	52	2	0	69	2	57	22
2.	78	630024	6093	"BIGDB	62	75	2	0	89	2	55	13
3.	78	630013	6058	"BIGDB	62	78	2	0	91	5	55	13
4.	78	629992	6092	"BIGDB	60	80	2	0	89	2	55	12
5.	78	544763	6146	"BIGDB	75	45	2	0	87	4	55	19

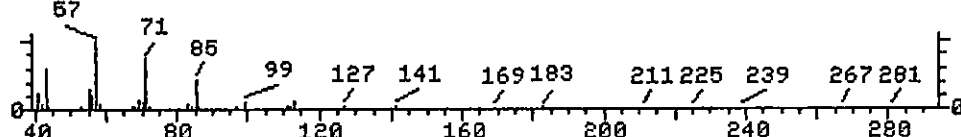
file >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1127
pk Ab 23949. SUB ADD DVC 25.67 min.



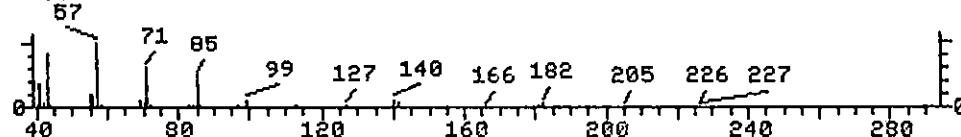
file >BIGDB Tetradecane, 4-ethyl- (9CI) Scan 6255
pk Ab 9999. 0.00 min.



file >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
pk Ab 9999. 0.00 min.



file >BIGDB Dodecane, 2-methyl-6-propyl- (9CI) Scan 6244
pk Ab 9999. 0.00 min.



UNKNOWN #,18

AREA = 280590.0 TENTATIVE CONCENTRATION IS 17.00

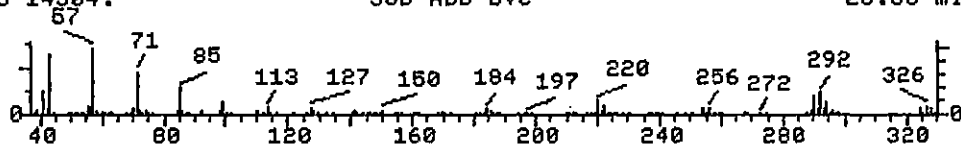
1. Tetradecane, 4-ethyl- (9CI)	226 C16H34
2. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44
3. Dodecane, 2-methyl-6-propyl- (9CI)	226 C16H34
4. Octacosane (8CI9CI)	394 C28H58
5. Pentacosane (8CI9CI)	352 C25H52

Sample file: >A9392 Spectrum #: 1127
Search speed: 1 Tilting option: N No. of ion ranges searched: 48

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87*	55045142	6255	"BIGDB	66	55	2	0	86	5	63	45
2.	83	54833486	6161	"BIGDB	83	50	2	0	65	5	57	23
3.	79*	55045084	6244	"BIGDB	61	58	2	0	71	7	48	38
4.	78	630024	6093	"BIGDB	66	71	2	0	83	5	55	14
5.	78	629992	6092	"BIGDB	66	74	2	0	85	5	55	14

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

file >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1186
pk Ab 14304. SUB ADD DVC 26.88 min.



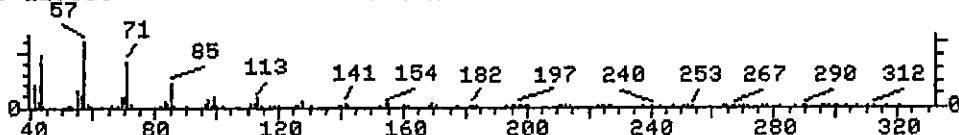
UNKNOWN #,19

AREA = 266062.0 TENTATIVE CONCENTRATION IS 16.00

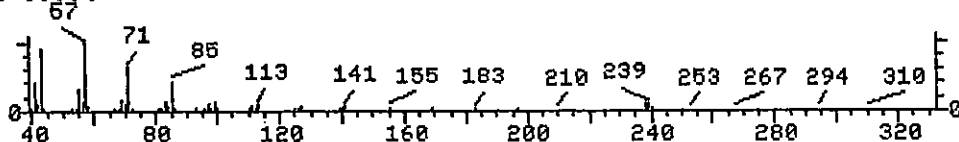
Sample file: >A9392 Spectrum #: 1186

No data base entries were retrieved.

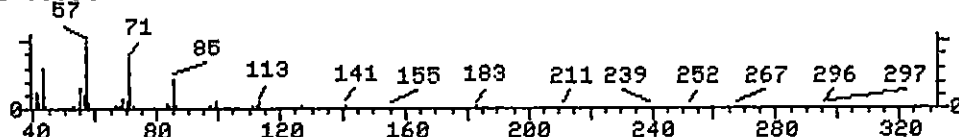
file >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1264
pk Ab 11986. SUB ADD DVC 28.48 min.



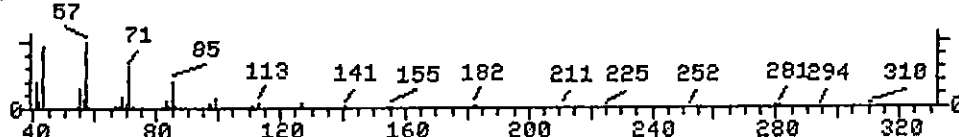
file >BIGDB Heptadecane, 9-octyl- (8CI9CI) Scan 6273
pk Ab 9999. 0.00 min.



file >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
pk Ab 9999. 0.00 min.



file >BIGDB Eicosane, 7-hexyl- (9CI) Scan 6285
pk Ab 9999. 0.00 min.



UNKNOWN #,20

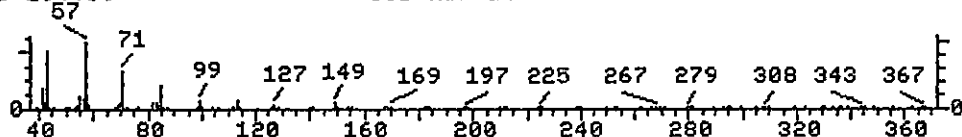
AREA = 255263.0 TENTATIVE CONCENTRATION IS 67.00

1. Heptadecane, 9-octyl- (8CI9CI)	352 C25H52
2. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44
3. Eicosane, 7-hexyl- (9CI)	366 C26H54
4. Docosane, 11-decyl- (9CI)	450 C32H66
5. Docosane (8CI9CI)	310 C22H46

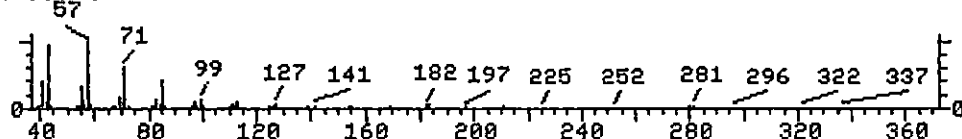
Sample file: >A9392 Spectrum #: 1264
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	79	7225641	6273	"BIGDB	104	39	2	0	82	10	48	39
2.	76	54833486	6161	"BIGDB	95	38	1	0	78	13	40	55
3.	76	55333998	6285	"BIGDB	95	50	2	0	83	10	45	29
4.	76	55401553	6291	"BIGDB	87	70	2	0	88	10	45	25
5.	74	629970	6221	"BIGDB	107	40	2	0	68	13	39	44

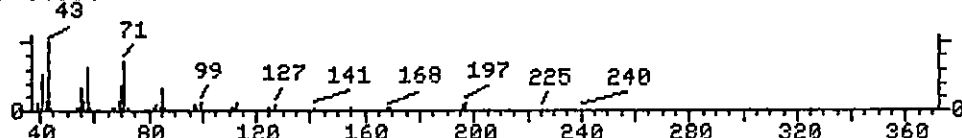
file >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1451
pk Ab 23448. SUB ADD DVC 32.34 min.



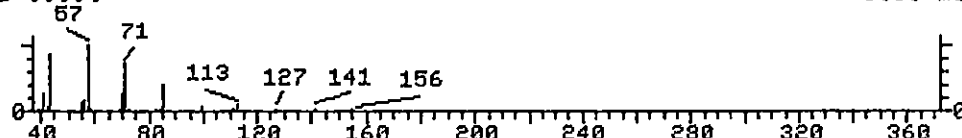
file >BIGDB Eicosane, 7-hexyl- (9CI) Scan 6285
pk Ab 9999. 0.00 min.



file >BIGDB Hexadecane, 4-methyl- (8CI9CI) Scan 23928
pk Ab 9999. 0.00 min.



file >BIGDB Undecane, 3,8-dimethyl- (8CI) Scan 6154
pk Ab 9999. 0.00 min.



UNKNOWN #,21

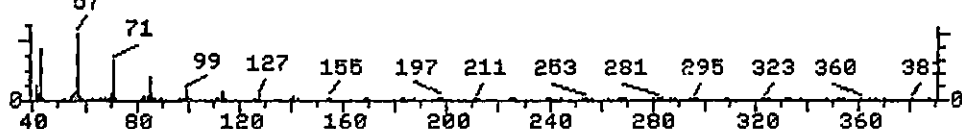
AREA = 332074.0 TENTATIVE CONCENTRATION IS 88.00

1. Eicosane, 7-hexyl- (9CI)	366 C26H54
2. Hexadecane, 4-methyl- (8CI9CI)	240 C17H36
3. Undecane, 3,8-dimethyl- (8CI)	184 C13H28
4. Hexadecane (8CI9CI)	226 C16H34
5. Heptadecane, 2,6,10,15-tetramethyl- (9CI)	296 C21H44

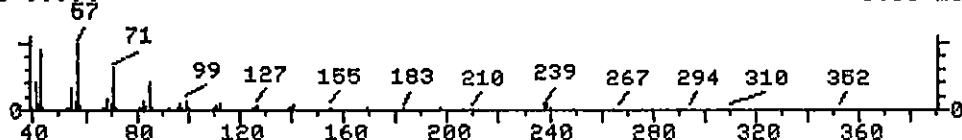
Sample file: >A9392 Spectrum #: 1451
Search speed: 1 Tilting option: N No. of ion ranges searched: 53

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	76	55333998	6285	"BIGDB	87	58	2	0	82	10	45	25
2.	74*	25117264	23928	"BIGDB	62	66	2	0	69	15	39	40
3.	71	17301303	6154	"BIGDB	82	26	2	0	79	15	38	30
4.	67	544763	6146	"BIGDB	85	35	2	0	85	15	34	23
5.	67	54833486	6161	"BIGDB	86	47	2	0	69	15	34	24

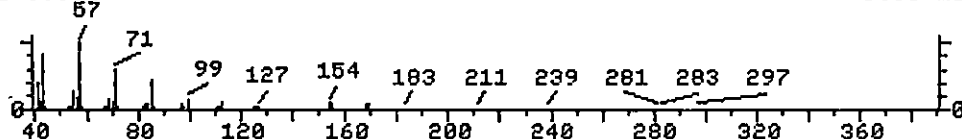
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1497
pk Ab 22482. SUB ADD DVC 33.29 min.



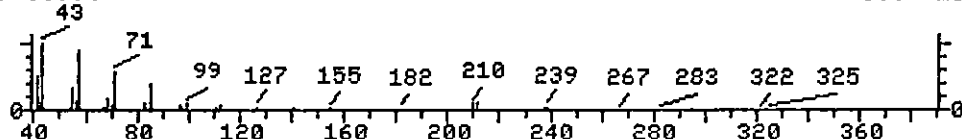
File >BIGDB Heptadecane, 9-octyl- (8CI9CI) Scan 6273
pk Ab 9999. 0.00 min.



File >BIGDB Eicosane, 10-methyl- (9CI) Scan 6226
pk Ab 9999. 0.00 min.



File >BIGDB Heptadecane, 9-hexyl- (9CI) Scan 25877
pk Ab 9999. 0.00 min.



UNKNOWN #,22

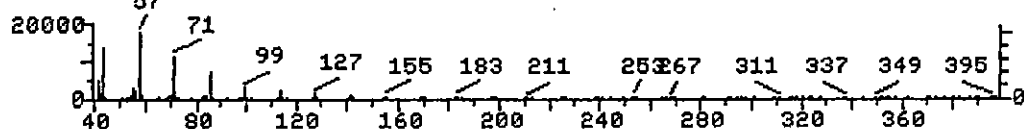
AREA = 272208.0 TENTATIVE CONCENTRATION IS 72.00

1. Heptadecane, 9-octyl- (8CI9CI)	352 C25H52
2. Eicosane, 10-methyl- (9CI)	296 C21H44
3. Heptadecane, 9-hexyl- (9CI)	324 C23H48
4. Hexadecane, 3-methyl- (8CI9CI)	240 C17H36
5. Tridecane, 7-hexyl- (8CI9CI)	268 C19H40

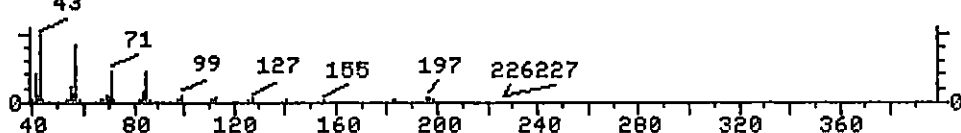
Sample file: >A9392 Spectrum #: 1497
Search speed: 1 Tilting option: N No. of ion ranges searched: 58

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	79*	7225641	6273	"BIGDB	78	65	2	0	81	15	43	60
2.	76*	54833237	6226	"BIGDB	70	63	2	0	76	15	40	50
3.	74*	55124793	25877	"BIGDB	81	64	3	0	77	15	39	46
4.	71*	6418435	6263	"BIGDB	69	44	3	0	100	15	38	35
5.	71*	7225663	21884	"BIGDB	69	61	3	0	77	15	38	35

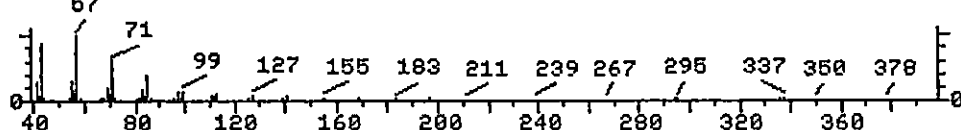
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1542
pk Ab 17974. SUB ADD DVC 34.21 min.



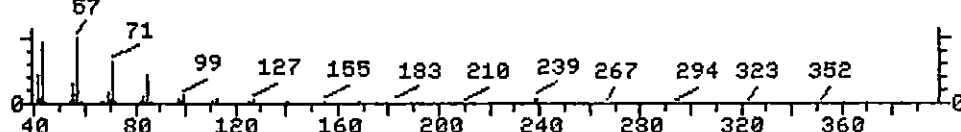
File >BIGDB Tetradecane, 4-ethyl- (9CI) Scan 6255
pk Ab 9999. 0.00 min.



File >BIGDB Tetracosane, 11-decyl- (9CI) Scan 6292
pk Ab 9999. 0.00 min.



File >BIGDB Heptadecane, 9-octyl- (8CI9CI) Scan 6273
pk Ab 9999. 0.00 min.



UNKNOWN #,23

AREA = 252761.0 TENTATIVE CONCENTRATION IS 72.00

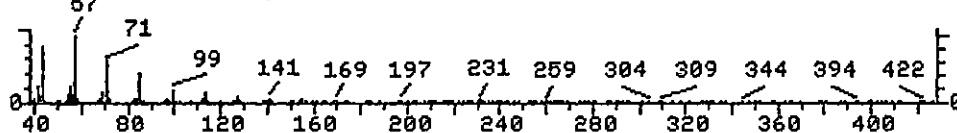
1. Tetradecane, 4-ethyl- (9CI)	226 C16H34
2. Tetracosane, 11-decyl- (9CI)	478 C34H70
3. Heptadecane, 9-octyl- (8CI9CI)	352 C25H52
4. Dodecane, 2-methyl-6-propyl- (9CI)	226 C16H34
5. Hexadecane (8CI9CI)	226 C16H34

Sample file: >A9392 Spectrum #: 1542
Search speed: 1 Tilting option: N No. of ion ranges searched: 50

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	51*	55045142	6255	"BIGDB	63	58	3	0	94	28	24	31
2.	44	55429840	6292	"BIGDB	69	87	2	0	79	21	17	15
3.	44	7225641	6273	"BIGDB	81	62	2	0	84	28	19	22
4.	43*	55045084	6244	"BIGDB	55	64	2	0	67	39	17	32
5.	43	544763	6146	"BIGDB	79	41	2	0	90	28	19	21

Instrument ID : MSD/A,, Analysis Date : 3/29/94 17:51

File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1674
pk Ab 9148, SUB ADD DVC 36.94 min.



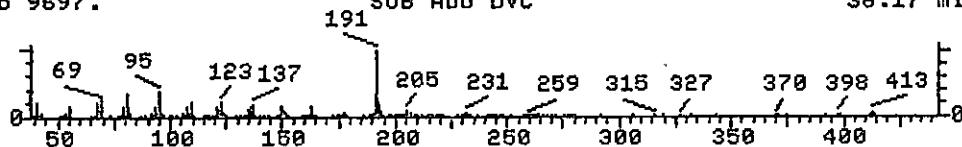
UNKNOWN #,24

AREA = 260450.0 TENTATIVE CONCENTRATION IS 74.00

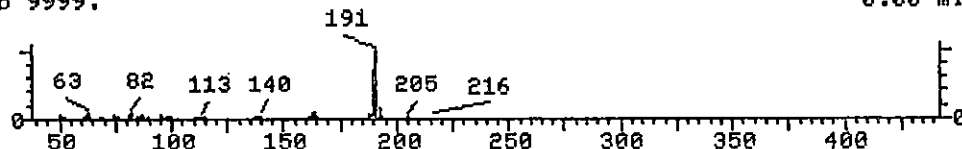
Sample file: >A9392 Spectrum #: 1674

No data base entries were retrieved.

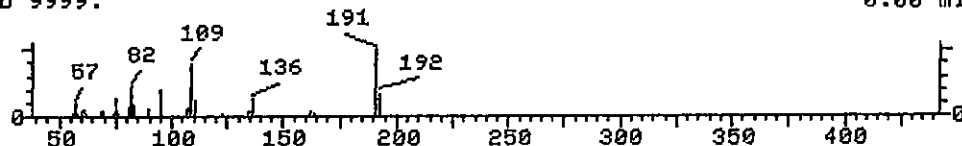
File >A9392 MSD/A, T403167-01,S,30.0,0.5,10,P-1, Scan 1734
pk Ab 9697. SUB ADD DVC 30.17 min.



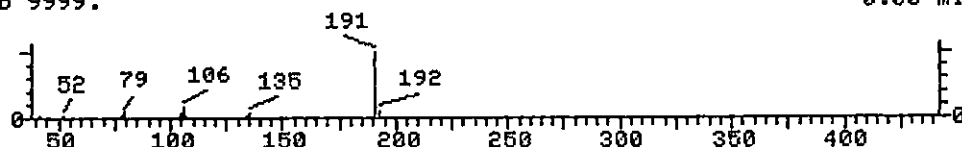
File >BIGDB 9H-Fluorene-2-carbonitrile (9CI) Scan 22971
pk Ab 9999. 0.00 min.



File >BIGDB 2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorophenyl)- (9CI) Scan 22986
pk Ab 9999. 0.00 min.



File >BIGDB Pyrido[3,2-d]pyrimidine-2,4(1H,3H)-dione, 1,3-dimethyl- (8CI) Scan 22982
pk Ab 9999. 0.00 min.



UNKNOWN #,25

AREA = 329816.0 TENTATIVE CONCENTRATION IS 94.00

1.	9H-Fluorene-2-carbonitrile (9CI)	191	C14H9N
2.	2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorophenyl)- (9CI)	191	C9H6FN3O
3.	Pyrido[3,2-d]pyrimidine-2,4(1H,3H)-dione, 1,3-dimethyl- (8CI)	191	C9H9N3O2
4.	Pyrido[3,4-d]pyrimidine-2,4(1H,3H)-dione, 6,8-dimethyl- (8CI)	191	C9H9N3O2

Sample file: >A9392 Spectrum #: 1734
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	52*	2523480	22971	"BIGDB	28	81	3	0	100	18	20	13
2.	52*	51306435	22986	"BIGDB	32	104	3	0	96	18	20	13
3.	36*	24410251	22982	"BIGDB	31	68	3	0	100	26	14	13
4.	35*	22389873	22980	"BIGDB	24	91	3	0	100	26	14	12

H.P. GPC 1000 LOG Records

ASP PST/PCB Soils OCG-5976-P

ASP BNA Soils QCM-5895-T

POSITION: 1. - Blank

2. - B/K/SPK

3. - 403166-01 MS

4. - 403166-01 MSD

5. - 403166-02

6. - 403166-01

7. - 403167-01

8. - Mech

9. - Blank

10. - B/K/SPK

11. - 403246-02 US

12. - 403246-02 MSD

13. - 403246-02

BNA

PST/PCB

Continued on Page

257

Mariano Morales

Signed

3/24/94

Date

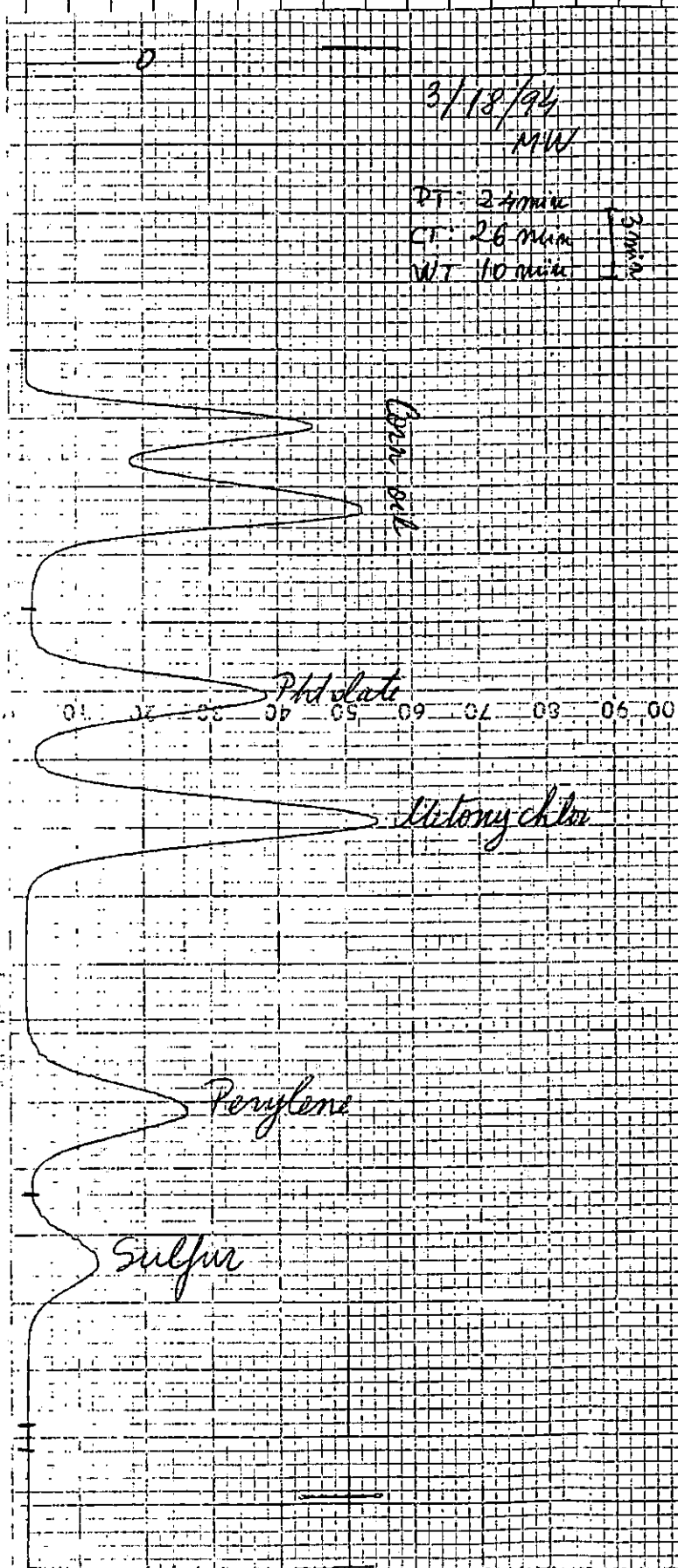
Read and Understood By

W. L. L. L.

Signed

3/24/94

Date



continued on Page

258

Read and Understood By

William A. [unclear]

3/18/94

Wolff

3/18/94

6B
SEMIVOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03/66

SAS No.:

SDG No: 3/6601

Instrument ID: MSD/A

Calibration Date(s): 03/10/94 03/10/94

Calibration Times: 15:12 18:37

LAB FILE ID:	RRF20 =	>A9205	RRF50 =	>A9201
RRF80 =	>A9204	RRF120=	>A9203	RRF160=
				>A9202

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Phenol	*1.9555	12.0516	1.9649	1.5909	1.5253	1.8176	13.26*
bis(2-chloroethyl)ether	*1.4947	1.4422	1.3549	1.2531	1.2121	1.3514	8.90*
2-Chlorophenol	*1.4247	1.3934	1.3268	1.2653	1.2212	1.3263	6.41*
1,3-Dichlorobenzene	*1.5292	1.4968	1.4169	1.3961	1.3037	1.4285	6.22*
1,4-Dichlorobenzene	*1.6534	1.5711	1.4916	1.4184	1.3355	1.4940	8.35*
1,2-Dichlorobenzene	*1.6365	1.5197	1.4365	1.3457	1.2564	1.4390	10.28*
2-Methylphenol	*1.4878	1.4098	1.3383	1.2944	1.2074	1.3475	7.97*
2,2'-oxybis(1-Chloropropane)	13.6009	13.7030	13.3334	13.2380	13.7476	13.5246	6.44
4-Methylphenol	*1.7471	1.5935	1.5020	1.4254	1.3797	1.5295	9.56*
N-Nitroso-di-n-propylamine	*1.8596	1.8457	1.7772	1.7071	1.5811	1.7541	6.51*
Hexachloroethane	*.8374	.8125	.7650	.7470	.7227	.7769	6.07*
Nitrobenzene	*.5023	.4754	.4915	.4600	.4439	.4746	4.95*
Isophorone	*1.0655	1.0071	1.0108	1.0469	.9967	1.0254	2.86*
2-Nitrophenol	*.2422	.2260	.2313	.2230	.2278	.2301	3.23*
2,4-Dimethylphenol	*.4273	.4299	.4286	.4252	.3932	.4208	3.69*
bis(2-Chloroethoxy)methane	*.6088	.5717	.5409	.5295	.5178	.5537	6.63*
2,4-Dichlorophenol	*.3722	.3489	.3530	.3499	.3391	.3526	3.44*
1,2,4-Trichlorobenzene	*.3934	.3554	.3472	.3506	.3226	.3538	7.20*
Naphthalene	*1.1330	1.0665	1.0024	.9477	.8684	1.0036	10.22*
4-Chloroaniline	.6117	.5439	.5566	.5348	.5003	.5495	7.39
Hexachlorobutadiene	.2421	.2293	.2299	.2226	.2067	.2261	5.72
4-Chloro-3-methylphenol	*.5202	.4929	.4908	.4890	.4535	.4893	4.85*
2-Methylnaphthalene	*.8030	.7530	.7270	.6940	.6478	.7250	8.10*
Hexachlorocyclopentadiene	.1714	.3099	.3112	.3360	.3346	.2926	23.54
2,4,6-Trichlorophenol	*.4553	.4572	.4436	.4348	.4101	.4402	4.35*
2,4,5-Trichlorophenol	*.5222	.4592	.4465	.3854	.4117	.4450	11.69*
2-Chloronaphthalene	*1.1621	1.0822	1.0634	.9705	.9119	1.0380	9.45*
2-Nitroaniline	.7382	.7037	.7387	.7102	.6505	.7083	5.08
Dimethylphthalate	1.8664	1.6510	1.6226	1.5575	1.4179	1.6231	10.05
Acenaphthylene	*2.1572	1.9572	1.8845	1.7457	1.5601	1.8609	12.06*
2,6-Dinitrotoluene	*.4117	.4209	.4087	.4088	.3656	.4031	5.35*
3-Nitroaniline	.4843	.4245	.4639	.3820	.4226	.4355	9.14
Acenaphthene	*1.3440	1.1360	1.0469	.9562	.9008	1.0768	16.17*
2,4-Dinitrophenol	10.0000	.0938	.2100	.2449	.2429	.1979	35.99
4-Nitrophenol	.3192	.3079	.3456	.3386	.3050	.3233	5.62
Dibenzofuran	*2.0376	1.8359	1.7122	1.6073	1.4605	1.7307	12.72*
2,4-Dinitrotoluene	*.6835	.6830	.6966	.6513	.5939	.6617	6.26*

* Compounds with required minimum RRF and minimum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C
SEMIVOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03/166

SAS No.:

SDG No: 3/16601

Instrument ID: MSD/A

Calibration Date(s): 03/10/94 03/10/94

Calibration Times: 15:12 18:37

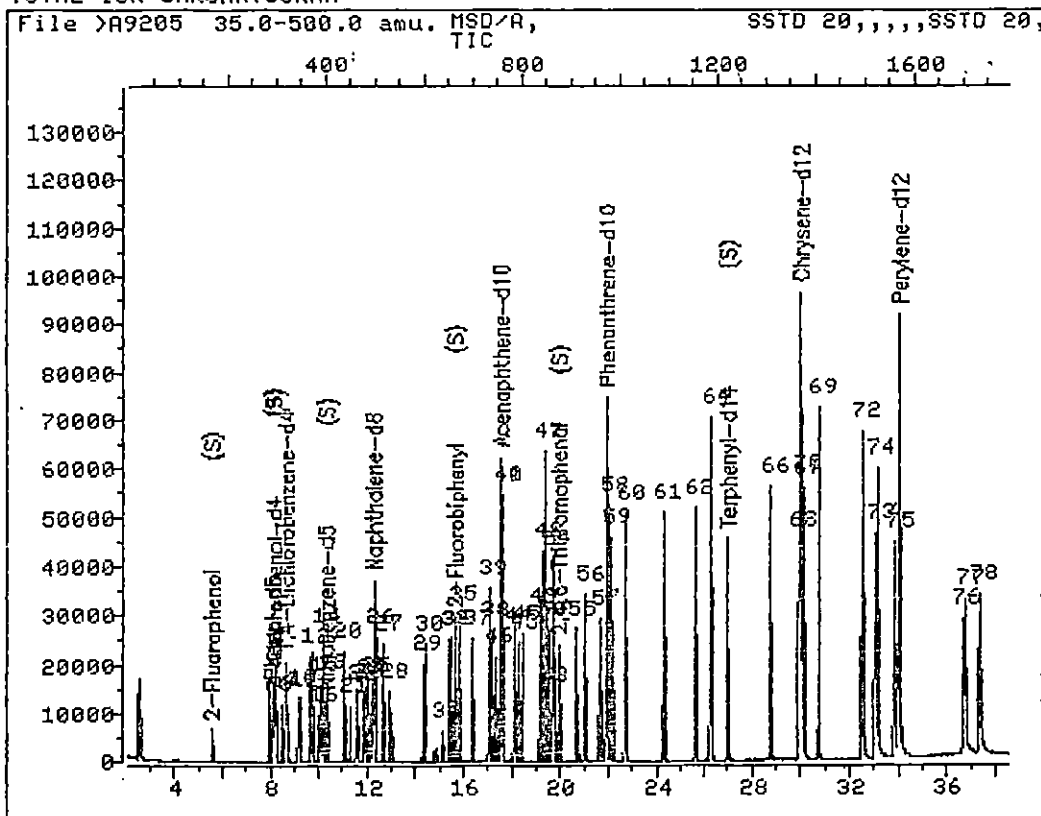
LAB FILE ID:	RRF20 =	>A9205	RRF50 =	>A9201			
RRF80 =	>A9204	RRF120=	>A9203	RRF160=	>A9202		
COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Diethylphthalate	12.1306	1.8520	1.8553	1.7056	1.5607	1.8208	11.62
4-Chlorophenyl-phenylether	* .7980	.6900	.6579	.6095	.5311	.6573	15.04*
Fluorene	*1.6704	1.4662	1.3438	1.2460	1.1218	1.3696	15.37*
4-Nitroaniline	.6200	.5764	.5722	.5861	.5313	.5772	5.51
4,6-Dinitro-2-methylphenol	.1096	.1581	.1934	.1923	.1897	.1686	21.41
N-Nitrosodiphenylamine (1)	.5828	.4986	.4376	.3975	.3254	.4484	21.86
4-Bromophenyl-phenylether	* .2659	.2536	.2394	.2337	.2058	.2397	9.48*
Hexachlorobenzene	* .3823	.3539	.3338	.3283	.2970	.3391	9.33*
Pentachlorophenol	* .2521	.2507	.2570	.2454	.2375	.2485	2.99*
Phenanthrene	*1.2929	1.1251	1.0797	.9594	.9011	1.0716	14.27*
Anthracene	*1.2932	1.1325	1.0489	.9947	.9181	1.0775	13.34*
Carbazole	1.3415	1.1843	1.0952	1.0264	.9381	1.1171	13.84
Di-n-butylphthalate	12.2132	1.9199	1.7723	1.6839	1.5224	1.8223	14.36
Fluoranthene	*1.6313	1.3899	1.3615	1.2506	1.1374	1.3541	13.61*
Pyrene	*1.1258	1.0253	.9178	.9076	.8793	.9712	10.57*
Butylbenzylphthalate	.7799	.7575	.7170	.7043	.6580	.7233	6.57
3,3'-Dichlorobenzidine	.5070	.4577	.4236	.3534	.3090	.4101	19.38
Benzo(a)anthracene	*1.1457	1.0932	1.0269	1.0097	.9554	1.0462	7.10*
Chrysene	*1.0160	.8792	.8836	.8186	.7642	.8723	10.78*
bis(2-Ethylhexyl)phthalate	1.1204	1.0735	.9927	.9515	.8766	1.0029	9.65
Di-n-octylphthalate	1.9444	1.8736	1.7958	1.7105	1.5134	1.7675	9.43
Benzo(b)fluoranthene	*1.0848	1.0514	1.1753	1.1005	.9935	1.0811	6.17*
Benzo(k)fluoranthene	*1.4121	1.2668	1.0415	1.0300	.9053	1.1311	18.04*
Benzo(a)pyrene	*1.0827	1.0937	1.0637	1.0385	.9543	1.0466	5.32*
Indeno(1,2,3-cd)pyrene	* .8043	.9120	.9094	.8839	.8521	.8723	5.16*
Dibenz(a,h)anthracene	* .7314	.9004	.8819	.8541	.7748	.8285	8.74*
Benzo(g,h,i)perylene	* .9822	.9449	.9982	.9174	.8300	.9345	7.11*
Nitrobenzene-d5	(S)* .4708	.4599	.4569	.4713	.4488	.4615	2.08*
2-Fluorobiphenyl	(S)*1.3170	1.1939	1.1125	1.0311	.9892	1.1287	11.63*
Terphenyl-d14	(S)* .8034	.7730	.6925	.6672	.6329	.7138	10.08*
Phenol-d5	(S)*1.8805	1.9101	1.8421	1.8303	1.7765	1.8479	2.76*
2-Fluorophenol	(S)*1.1442	1.1472	1.1277	1.0982	1.0760	1.1187	2.75*
2,4,6-Tribromophenol	(S) .4905	.4490	.4337	.4156	.3820	.4342	9.26
2-Chlorophenol-d4	(S)*1.5378	1.4223	1.3690	1.3296	1.1888	1.3695	9.33*
1,2-Dichlorobenzene-d4	(S)*1.0603	.9958	.9460	.9337	.8710	.9614	7.38*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD value.

All other compounds must meet a minimum RRF of 0.010.

TOTAL ION CHROMATOGRAM



Data File: >A9205::A4
Name: MSD/A,
Misc: SSTD 20,,,,,SSTD 20,

Quant Output File: ^A9205::QT
Instrument ID: A

BTL# 6

Id File: IDAB90::EX
Title: CLP SEMI-VOLATILE ID FILE
Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

Operator ID: BNA1
Quant Time : 940310 19:17
Injected at: 940310 18:37

QUANT REPORT

Page 1

Operator ID: BNA1
 Output File: ^A9205::QT
 Data File: >A9205::A4
 Name: MSD/A,
 Misc: SSTO 20,,,,,SSTD 20,

Quant Rev: 7 Quant Time: 940310 19:17
 Injected at: 940310 18:37
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 6

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	8.61	152.0	7196	40.00	NG	95
2)	2-Fluorophenol (S)	5.52	112.0	4117	20.07	NG	96
3)	Phenol-d5 (S)	8.04	99.0	6766	20.90	NG	99
4)	Phenol	8.06	94.0	7036	20.64	NG	76
5)	2-Chlorophenol-d4 (S)	8.12	132.0	5533	21.05	NG	81
6)	bis(2-chloroethyl)ether	8.16	93.0	5378	20.53	NG	81
7)	2-Chlorophenol	8.16	128.0	5126	20.48	NG	91
8)	1,3-Dichlorobenzene	8.51	146.0	5502	22.56	NG	96
9)	1,4-Dichlorobenzene	8.65	146.0	5949	23.57	NG	94
10)	1,2-Dichlorobenzene-d4 (S)	9.12	152.0	3815	20.47	NG	98
11)	1,2-Dichlorobenzene	9.16	146.0	5888	23.51	NG	92
12)	2-Methylphenol	9.65	108.0	5353	19.23	NG	89
13)	2,2'-oxybis(1-Chloropropane)	9.65	45.0	12956M	14.85	NG	80
14)	4-Methylphenol	10.09	108.0	12572	43.23	NG	89
15)	N-Nitroso-di-n-propylamine	10.03	70.0	6691	18.84	NG	85
16)	Hexachloroethane	9.97	117.0	3013	19.34	NG	92
17)	*Naphthalene-d8	12.21	136.0	34156	40.00	NG	92
18)	Nitrobenzene-d5 (S)	10.26	82.0	8041	21.80	NG	85
19)	Nitrobenzene	10.32	77.0	8579	17.02	NG	88
20)	Isophorone	11.01	82.0	18196	21.38	NG	96
21)	2-Nitrophenol	11.23	139.0	4137	21.02	NG	89
22)	2,4-Dimethylphenol	11.56	107.0	7298	20.53	NG	92
23)	bis(2-Chloroethoxy)methane	11.82	93.0	10397	21.02	NG	60
24)	2,4-Dichlorophenol	11.92	162.0	6356	21.24	NG	89
25)	1,2,4-Trichlorobenzene	12.15	180.0	6719	20.77	NG	94
26)	Naphthalene	12.27	128.0	19349	21.78	NG	96
27)	4-Chloroaniline	12.64	127.0	10446	22.49	NG	91
28)	Hexachlorobutadiene	12.90	225.0	4134	19.12	NG	97
29)	4-Chloro-3-methylphenol	14.24	107.0	8884	20.56	NG	70
30)	2-Methylnaphthalene	14.34	142.0	13714	20.63	NG	79
31)	*Acenaphthene-d10	17.50	164.0	27157	40.00	NG	96
32)	Hexachlorocyclopentadiene	15.08	237.0	2327M	10.65	NG	
33)	2,4,6-Trichlorophenol	15.36	196.0	6182	20.59	NG	86
34)	2,4,5-Trichlorophenol	15.44	196.0	7091	21.27	NG	93
35)	2-Chloronaphthalene	15.77	162.0	15779	21.55	NG	93
36)	2-Fluorobiphenyl (S)	15.61	172.0	17883	22.35	NG	96
37)	2-Nitroaniline	16.32	65.0	10023M	20.42	NG	
38)	Dimethylphthalate	17.09	163.0	25343	22.40	NG	67
39)	Acenaphthylene	17.01	152.0	29292	21.56	NG	98
40)	3-Nitroaniline	17.58	138.0	6576	19.67	NG	87
41)	Acenaphthene	17.58	153.0	18249	21.80	NG	94
43)	4-Nitrophenol	18.27	109.0	4334	20.22	NG	88
44)	Dibenzofuran	18.07	168.0	27668	22.25	NG	96

Operator ID: BNA1
 Output File: \A9205:QT
 Data File: >A9205:A4
 Name: MSD/A,
 Misc: SSTO 20,,,SSTD 20,

Quant Rev: 7 Quant Time: 940310 19:17
 Injected at: 940310 18:37
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 6

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

Compound	R.T.	Q	ion	Area	Conc	Units	q
45) 2,4-Dinitrotoluene	18.37	165.0		9281	20.00	NG	74
46) 2,6-Dinitrotoluene	17.23	165.0		5590	19.00	NG	81
47) Diethylphthalate	19.27	149.0		28931	20.61	NG	90
48) 4-Chlorophenyl-phenylether	19.25	204.0		10836	20.35	NG	87
49) Fluorene	19.10	166.0		22682	22.64	NG	98
50) 4-Nitroaniline	19.45	138.0		8419	20.79	NG	70
51) 2,4,6-Tribromophenol	19.92	330.0		6660	20.96	NG	98
52) *Phenanthrene-d10	21.91	186.0	(S)	59581	40.00	NG	98
53) 4,6-Dinitro-2-methylphenol	19.57	198.0		3265	13.69	NG	98
54) N-Nitrosodiphenylamine (1)	19.67	169.0		17363	28.37	NG	94
55) 4-Bromophenyl-phenylether	20.69	248.0		7921	20.08	NG	87
56) Hexachlorobenzene	21.02	284.0		11390	20.67	NG	88
57) Pentachlorophenol	21.63	266.0		7510	19.62	NG	99
58) Phenanthrene	21.97	178.0		38516	22.59	NG	97
59) Anthracene	22.10	178.0		38524	23.44	NG	98
60) Carbazole	22.73	167.0		39963	22.79	NG	90
61) Di-n-butylphthalate	24.23	149.0		65931	22.09	NG	97
62) Fluoranthene	25.58	202.0		48597	22.33	NG	99
63) *Chrysene-d12	29.99	240.0		89558	40.00	NG	95
64) Pyrene	26.23	202.0		50410	20.47	NG	90
65) Terphenyl-d14	26.96	244.0	(S)	35975	20.01	NG	91
66) Butylbenzylphthalate	28.75	149.0		34925	22.21	NG	92
67) 3,3'-Dichlorobenzidine	30.09	252.0		22703	23.23	NG	93
68) Benzo(a)anthracene	29.93	228.0		51302	19.91	NG	95
69) bis(2-Ethylhexyl)phthalate	30.68	149.0		50169	21.71	NG	97
70) Chrysene	30.05	228.0		45497	21.26	NG	95
71) *Perylene-d12	34.03	264.0		90968	40.00	NG	97
72) Di-n-octylphthalate	32.45	149.0		88439	19.86	NG	86
73) Benzo(b)fluoranthene	33.04	252.0		49341	13.42	NG	91
74) Benzo(k)fluoranthene	33.10	252.0		64228M	24.32	NG	92
75) Benzo(a)pyrene	33.85	252.0		49246	16.20	NG	96
76) Indeno(1,2,3-cd)pyrene	36.64	276.0		36581	11.64	NG	85
77) Dibenz(a,h)anthracene	36.74	278.0		33269	13.24	NG	85
78) Benzo(g,h,i)perylene	37.33	276.0		44676	15.06	NG	84

* Compound is ISTD

File >A9201 35.0-500.0 amu. MSD/A, TIC SSTD 50,,,,,SSTD 50,

Chromatogram showing detector response (Y-axis, 0 to 300,000) versus retention time (X-axis, 4 to 36 minutes). The plot displays numerous peaks, many of which are labeled with their retention times and chemical names. Key peaks include:

- 2-Fluorophenol (6.1 min)
- 2,4-Dichlorophenol-d4 (7.1 min)
- 2,4-Dichlorophenol-d5 (8.1 min)
- 2,4-Dichlorophenol-d6 (9.1 min)
- 2,4-Dichlorophenol-d7 (10.1 min)
- 2,4-Dichlorophenol-d8 (11.1 min)
- 2,4-Dichlorophenol-d9 (12.1 min)
- 2,4-Dichlorophenol-d10 (13.1 min)
- 2,4-Dichlorophenol-d11 (14.1 min)
- 2,4-Dichlorophenol-d12 (15.1 min)
- 2,4-Dichlorophenol-d13 (16.1 min)
- 2,4-Dichlorophenol-d14 (17.1 min)
- 2,4-Dichlorophenol-d15 (18.1 min)
- 2,4-Dichlorophenol-d16 (19.1 min)
- 2,4-Dichlorophenol-d17 (20.1 min)
- 2,4-Dichlorophenol-d18 (21.1 min)
- 2,4-Dichlorophenol-d19 (22.1 min)
- 2,4-Dichlorophenol-d20 (23.1 min)
- 2,4-Dichlorophenol-d21 (24.1 min)
- 2,4-Dichlorophenol-d22 (25.1 min)
- 2,4-Dichlorophenol-d23 (26.1 min)
- 2,4-Dichlorophenol-d24 (27.1 min)
- 2,4-Dichlorophenol-d25 (28.1 min)
- 2,4-Dichlorophenol-d26 (29.1 min)
- 2,4-Dichlorophenol-d27 (30.1 min)
- 2,4-Dichlorophenol-d28 (31.1 min)
- 2,4-Dichlorophenol-d29 (32.1 min)
- 2,4-Dichlorophenol-d30 (33.1 min)
- 2,4-Dichlorophenol-d31 (34.1 min)
- 2,4-Dichlorophenol-d32 (35.1 min)
- 2,4-Dichlorophenol-d33 (36.1 min)
- 2,4-Dichlorophenol-d34 (37.1 min)
- 2,4-Dichlorophenol-d35 (38.1 min)
- 2,4-Dichlorophenol-d36 (39.1 min)
- 2,4-Dichlorophenol-d37 (40.1 min)
- 2,4-Dichlorophenol-d38 (41.1 min)
- 2,4-Dichlorophenol-d39 (42.1 min)
- 2,4-Dichlorophenol-d40 (43.1 min)
- 2,4-Dichlorophenol-d41 (44.1 min)
- 2,4-Dichlorophenol-d42 (45.1 min)
- 2,4-Dichlorophenol-d43 (46.1 min)
- 2,4-Dichlorophenol-d44 (47.1 min)
- 2,4-Dichlorophenol-d45 (48.1 min)
- 2,4-Dichlorophenol-d46 (49.1 min)
- 2,4-Dichlorophenol-d47 (50.1 min)

BTL# 2

Last Qcal Time: 940310 12:17

264

Operator ID: BNA1
 Output File: ^A9201::QT
 Data File: >A9201::A4
 Name: MSD/A,
 Misc: SSTD 50,,,,,SSTD 50,

Quant Rev: 7 Quant Time: 940310 15:52
 Injected at: 940310 15:12
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 2

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	8.63	152.0	8039	40.00	NG	97
2)	2-Fluorophenol (S)	5.54	112.0	11528	50.31	NG	97
3)	Phenol-d5 (S)	8.06	99.0	19194	53.07	NG	99
4)	Phenol	8.10	94.0	20616	54.13	NG	73
5)	2-Chlorophenol-d4 (S)	8.14	132.0	14292	48.68	NG	80
6)	bis(2-chloroethyl)ether	8.18	93.0	14492	49.53	NG	82
7)	2-Chlorophenol	8.18	128.0	14002	50.08	NG	96
8)	1,3-Dichlorobenzene	8.51	146.0	15041	55.21	NG	98
9)	1,4-Dichlorobenzene	8.67	146.0	15788	56.00	NG	96
10)	1,2-Dichlorobenzene-d4 (S)	9.14	152.0	10007	48.07	NG	98
11)	1,2-Dichlorobenzene	9.16	146.0	15271	54.58	NG	97
12)	2-Methylphenol	9.67	108.0	14167	45.56	NG	88
13)	2,2'-oxybis(1-Chloropropane)	9.67	45.0	37211M	38.19	NG	81
14)	4-Methylphenol	10.14	108.0	32026	98.57	NG	85
15)	N-Nitroso-di-n-propylamine	10.08	70.0	18547	46.75	NG	78
16)	Hexachloroethane	9.99	117.0	8165	46.91	NG	87
17)	*Naphthalene-d8	12.23	136.0	38337	40.00	NG	91
18)	Nitrobenzene-d5 (S)	10.28	82.0	22041	53.24	NG	86
19)	Nitrobenzene	10.34	77.0	22780	40.26	NG	88
20)	Isophorone	11.03	82.0	48263	50.52	NG	96
21)	2-Nitrophenol	11.26	139.0	10832	49.04	NG	87
22)	2,4-Dimethylphenol	11.60	107.0	20602	51.63	NG	91
23)	bis(2-Chloroethoxy)methane	11.85	93.0	27397	49.34	NG	58
24)	2,4-Dichlorophenol	11.97	162.0	16720	49.79	NG	95
25)	1,2,4-Trichlorobenzene	12.15	180.0	17031	46.91	NG	95
26)	Naphthalene	12.29	128.0	51107	51.24	NG	97
27)	4-Chloroaniline	12.66	127.0	26064	50.01	NG	88
28)	Hexachlorobutadiene	12.92	225.0	10990	45.28	NG	97
29)	4-Chloro-3-methylphenol	14.26	107.0	23622	48.72	NG	70
30)	2-Methylnaphthalene	14.37	142.0	36087	48.37	NG	78
31)	*Acenaphthene-d10	17.52	164.0	30298	40.00	NG	95
32)	Hexachlorocyclopentadiene	15.08	237.0	11736	48.12	NG	98
33)	2,4,6-Trichlorophenol	15.38	196.0	17314	51.69	NG	95
34)	2,4,5-Trichlorophenol	15.46	196.0	17391	46.76	NG	93
35)	2-Chloronaphthalene	15.79	162.0	40986	50.17	NG	96
36)	2-Fluorobiphenyl (S)	15.63	172.0	45216	50.65	NG	95
37)	2-Nitroaniline	16.34	65.0	26649	48.66	NG	77
38)	Dimethylphthalate	17.11	163.0	62526	49.53	NG	60
39)	Acenaphthylene	17.03	152.0	74125	48.90	NG	94
40)	3-Nitroaniline	17.62	138.0	16076	43.10	NG	84
41)	Acenaphthene	17.62	153.0	43022	46.06	NG	97
42)	2,4-Dinitrophenol	17.92	184.0	3552	45.55	NG	88
43)	4-Nitrophenol	18.31	109.0	11660	48.76	NG	95

QUANT REPORT

Page 2

Operator ID: BNA1
 Output File: ^A9201::QT
 Data File: >A9201::A4
 Name: MSD/A,
 Misc: SSTD 50,,,,,SSTD 50,

Quant Rev: 7 Quant Time: 940310 15:52
 Injected at: 940310 15:12
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 2

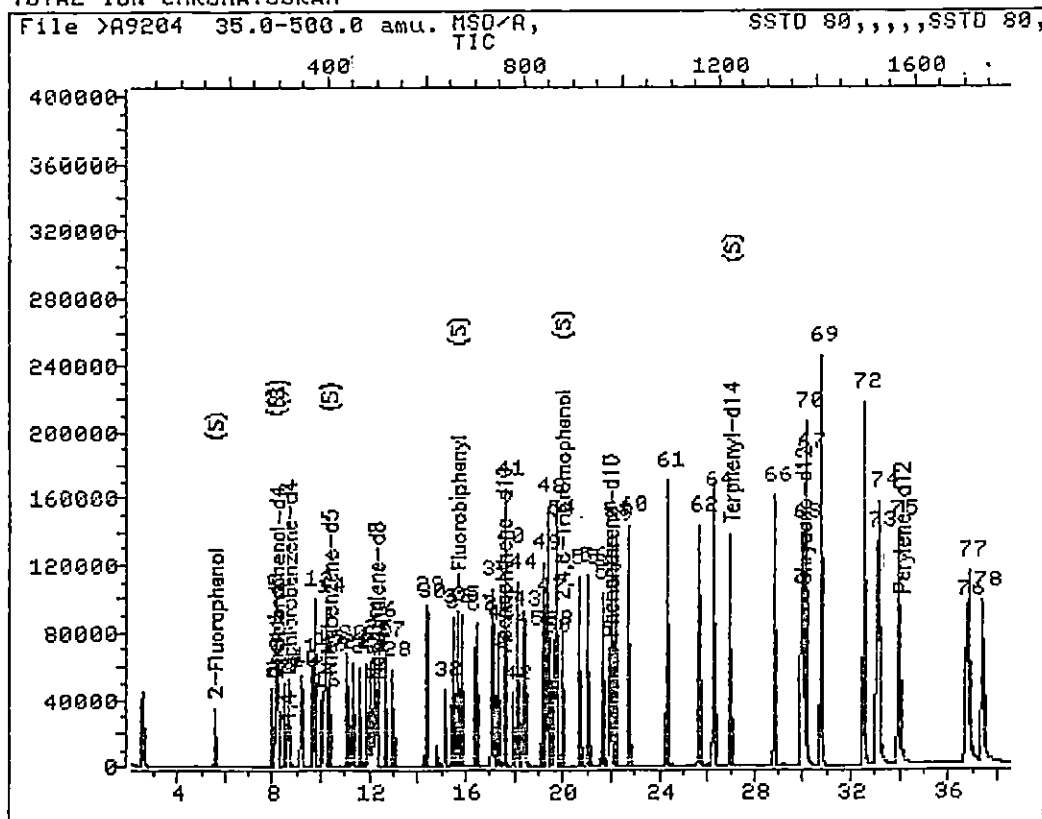
ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	Dibenzofuran	18.11	168.0	69530	50.12	NG	99
45)	2,4-Dinitrotoluene	18.41	165.0	25867	49.97	NG	69
46)	2,6-Dinitrotoluene	17.27	165.0	15939	48.56	NG	67
47)	Diethylphthalate	19.31	149.0	70140	44.79	NG	87
48)	4-Chlorophenyl-phenylether	19.27	204.0	26133	44.00	NG	89
49)	Fluorene	19.14	166.0	55529	49.68	NG	98
50)	4-Nitroaniline	19.49	138.0	21830	48.32	NG	81
51)	2,4,6-Tribromophenol (S)	19.94	330.0	17005	47.96	NG	97
52)	*Phenanthrene-d10	21.93	188.0	65186	40.00	NG	99
53)	4,6-Dinitro-2-methylphenol	19.61	198.0	12885	49.39	NG	96
54)	N-Nitrosodiphenylamine (1)	19.69	169.0	40627	60.68	NG	96
55)	4-Bromophenyl-phenylether	20.71	248.0	20660	47.87	NG	83
56)	Hexachlorobenzene	21.04	284.0	28835	47.83	NG	95
57)	Pentachlorophenol	21.65	266.0	20428	48.78	NG	94
58)	Phenanthrene	21.99	178.0	91676	49.15	NG	95
59)	Anthracene	22.13	178.0	92279	51.32	NG	96
60)	Carbazole	22.74	167.0	96496	50.29	NG	89
61)	Di-n-butylphthalate	24.27	149.0	156442	47.91	NG	97
62)	Fluoranthene	25.61	202.0	113253	47.56	NG	99
63)	*Chrysene-d12	30.02	240.0	87189	40.00	NG	92
64)	Pyrene	26.26	202.0	111740	46.60	NG	89
65)	Terphenyl-d14 (S)	26.99	244.0	84248	48.14	NG	92
66)	Butylbenzylphthalate	28.76	149.0	82560	53.92	NG	95
67)	3,3'-Dichlorobenzidine	30.12	252.0	49881	52.42	NG	99
68)	Benzo(a)anthracene	29.96	228.0	119139	47.50	NG	97
69)	bis(2-Ethylhexyl)phthalate	30.69	149.0	116996	51.99	NG	96
70)	Chrysene	30.08	228.0	95820	46.00	NG	96
71)	*Perylene-d12	34.05	264.0	91311	40.00	NG	95
72)	Di-n-octylphthalate	32.46	149.0	213847	47.83	NG	87
73)	Benzo(b)fluoranthene	33.07	252.0	120010	32.52	NG	94
74)	Benzo(k)fluoranthene	33.13	252.0	144589M	54.54	NG	96
75)	Benzo(a)pyrene	33.89	252.0	124833	40.90	NG	97
76)	Indeno(1,2,3-cd)pyrene	36.69	276.0	104100	33.00	NG	86
77)	Dibenz(a,h)anthracene	36.77	278.0	102769	40.75	NG	94
78)	Benzo(g,h,i)perylene	37.39	276.0	107846	36.21	NG	89

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >A9204::A4
Name: MSD/A,
Misc: SSTO 80,,,,,SSTO 80,

Quant Output File: ^A9204::QT
Instrument ID: A

BTL# 5

Id File: IDAB90::EX
Title: CLP SEMI-VOLATILE ID FILE
Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

Operator ID: BNA1
Quant Time : 940310 18:26
Injected at: 940310 17:46

QUANT REPORT

Page 1

Operator ID: BNA1
 Output File: ^A9204::QT
 Data File: >A9204::A4
 Name: MSD/A,
 Misc: SSTD 80,,,,,SSTD 80,

Quant Rev: 7 Quant Time: 940310 18:26
 Injected at: 940310 17:46
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 5

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	8.62	152.0	7504	40.00	NG	97
2)	2-Fluorophenol (S)	5.54	112.0	16924	79.12	NG	87
3)	Phenol-d5 (S)	8.07	99.0	27646	81.88	NG	99
4)	Phenol	8.11	94.0	29489	82.95	NG	94
5)	2-Chlorophenol-d4 (S)	8.13	132.0	20546	74.97	NG	84
6)	bis(2-chloroethyl)ether	8.19	93.0	20334	74.44	NG	95
7)	2-Chlorophenol	8.17	128.0	19912	76.29	NG	99
8)	1,3-Dichlorobenzene	8.51	146.0	21265	83.62	NG	99
9)	1,4-Dichlorobenzene	8.68	146.0	22386	85.06	NG	98
10)	1,2-Dichlorobenzene-d4 (S)	9.12	152.0	14197	73.07	NG	96
11)	1,2-Dichlorobenzene	9.17	146.0	21559	82.55	NG	96
12)	2-Methylphenol	9.67	108.0	20085	69.19	NG	89
13)	2,2'-oxybis(1-Chloropropane)	9.65	45.0	50028M	55.00	NG	81
14)	4-Methylphenol	10.14	108.0	45085	148.66	NG	85
15)	N-Nitroso-di-n-propylamine	10.08	70.0	26672M	72.02	NG	78
16)	Hexachloroethane	9.98	117.0	11481	70.67	NG	86
17)	*Naphthalene-d8	12.22	136.0	35056	40.00	NG	89
18)	Nitrobenzene-d5 (S)	10.28	82.0	32037	84.63	NG	82
19)	Nitrobenzene	10.35	77.0	34462	66.61	NG	83
20)	Isophorone	11.04	82.0	70866	81.12	NG	97
21)	2-Nitrophenol	11.26	139.0	16214	80.28	NG	70
22)	2,4-Dimethylphenol	11.59	107.0	30049	82.35	NG	93
23)	bis(2-Chloroethoxy)methane	11.85	93.0	37921	74.69	NG	62
24)	2,4-Dichlorophenol	11.95	162.0	24748	80.59	NG	90
25)	1,2,4-Trichlorobenzene	12.16	180.0	24340	73.32	NG	95
26)	Naphthalene	12.28	128.0	70281	77.06	NG	98
27)	4-Chloroaniline	12.64	127.0	39021	81.87	NG	96
28)	Hexachlorobutadiene	12.91	225.0	16120	72.64	NG	98
29)	4-Chloro-3-methylphenol	14.25	107.0	34414	77.62	NG	71
30)	2-Methylnaphthalene	14.35	142.0	50970	74.72	NG	80
31)	*Acenaphthene-d10	17.51	164.0	28575	40.00	NG	96
32)	Hexachlorocyclopentadiene	15.06	237.0	17784	77.32	NG	98
33)	2,4,6-Trichlorophenol	15.37	196.0	25349	80.24	NG	95
34)	2,4,5-Trichlorophenol	15.45	196.0	25515	72.74	NG	97
35)	2-Chloronaphthalene	15.78	162.0	60774	78.88	NG	98
36)	2-Fluorobiphenyl (S)	15.61	172.0	63582	75.52	NG	95
37)	2-Nitroaniline	16.35	65.0	42216M	81.73	NG	
38)	Dimethylphthalate	17.10	163.0	92731	77.89	NG	58
39)	Acenaphthylene	17.02	152.0	107702	75.33	NG	97
40)	3-Nitroaniline	17.63	138.0	26514	75.37	NG	86
41)	Acenaphthene	17.61	153.0	59833	67.93	NG	95
42)	2,4-Dinitrophenol	17.91	184.0	12001	163.17	NG	81
43)	4-Nitrophenol	18.32	109.0	19752	87.58	NG	91

QUANT REPORT

Page 2

Operator ID: BNA1
 Output File: ^A9204::QT
 Data File: >A9204::A4
 Name: MSD/A,
 Misc: SSTD 80,,,,,SSTD 80,

Quant Rev: 7 Quant Time: 940310 18:26
 Injected at: 940310 17:46
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 5

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	Dibenzofuran	18.10	168.0	97851	74.78	NG	99
45)	2,4-Dinitrotoluene	18.40	165.0	39812	81.55	NG	84
46)	2,6-Dinitrotoluene	17.26	165.0	23359	75.45	NG	75
47)	Diethylphthalate	19.30	149.0	106032	71.80	NG	89
48)	4-Chlorophenyl-phenylether	19.28	204.0	37601	67.12	NG	76
49)	Fluorene	19.13	166.0	76799	72.85	NG	99
50)	4-Nitroaniline	19.52	138.0	32700	76.75	NG	77
51)	2,4,6-Tribromophenol (S)	19.95	330.0	24784	74.12	NG	98
52)	*Phenanthrene-d10	21.92	188.0	61982	40.00	NG	99
53)	4,6-Dinitro-2-methylphenol	19.62	198.0	23974	96.65	NG	94
54)	N-Nitrosodiphenylamine (1)	19.70	169.0	54247	85.21	NG	95
55)	4-Bromophenyl-phenylether	20.72	248.0	29682	72.34	NG	75
56)	Hexachlorobenzene	21.05	284.0	41373	72.17	NG	89
57)	Pentachlorophenol	21.66	266.0	31856	80.00	NG	92
58)	Phenanthrene	22.00	178.0	133845	75.47	NG	98
59)	Anthracene	22.12	178.0	130031	76.06	NG	96
60)	Carbazole	22.76	167.0	135765	74.42	NG	90
61)	Di-n-butylphthalate	24.26	149.0	219703	70.76	NG	96
62)	Fluoranthene	25.60	202.0	168776	74.54	NG	98
63)	*Chrysene-d12	30.02	240.0	86310	40.00	NG	93
64)	Pyrene	26.25	202.0	158428	66.74	NG	91
65)	Terphenyl-d14 (S)	26.99	244.0	119539	69.01	NG	90
66)	Butylbenzylphthalate	28.75	149.0	123765	81.65	NG	94
67)	3,3'-Dichlorobenzidine	30.12	252.0	73121	77.62	NG	95
68)	Benzo(a)anthracene	29.95	228.0	177272	71.39	NG	97
69)	bis(2-Ethylhexyl)phthalate	30.69	149.0	171361	76.93	NG	96
70)	Chrysene	30.10	228.0	152530M	73.97	NG	96
71)	*Perylene-d12	34.05	264.0	89771	40.00	NG	95
72)	Di-n-octylphthalate	32.48	149.0	322417	73.36	NG	86
73)	Benzo(b)fluoranthene	33.07	252.0	211013	58.15	NG	92
74)	Benzo(k)fluoranthene	33.15	252.0	187000M	71.75	NG	95
75)	Benzo(a)pyrene	33.90	252.0	190974	63.65	NG	96
76)	Indeno(1,2,3-cd)pyrene	36.69	276.0	163269	52.64	NG	88
77)	Dibenz(a,h)anthracene	36.79	278.0	158333	63.86	NG	92
78)	Benzo(g,h,i)perylene	37.40	276.0	179226	61.20	NG	85

* Compound is ISTD

File >A9203 35.0-500.0 amu. MSD/A, SSTD 120,,,,,SSTD 12

TIC

400 800 1200 1600

440000

400000

360000

320000

280000

240000

200000

160000

120000

80000

40000

0

4 8 12 16 20 24 28 32 36

2-Fluorophenol (S)

4-Fluorophenol (S)

5-Fluorophenol (S)

6-Fluorophenol (S)

7-Fluorophenol (S)

8-Fluorophenol (S)

9-Fluorophenol (S)

10-Fluorophenol (S)

11-Fluorophenol (S)

12-Fluorophenol (S)

13-Fluorophenol (S)

14-Fluorophenol (S)

15-Fluorophenol (S)

16-Fluorophenol (S)

17-Fluorophenol (S)

18-Fluorophenol (S)

19-Fluorophenol (S)

20-Fluorophenol (S)

21-Fluorophenol (S)

22-Fluorophenol (S)

23-Fluorophenol (S)

24-Fluorophenol (S)

25-Fluorophenol (S)

26-Fluorophenol (S)

27-Fluorophenol (S)

28-Fluorophenol (S)

29-Fluorophenol (S)

30-Fluorophenol (S)

31-Fluorophenol (S)

32-Fluorophenol (S)

33-Fluorophenol (S)

34-Fluorophenol (S)

35-Fluorophenol (S)

36-Fluorophenol (S)

37-Fluorophenol (S)

38-Fluorophenol (S)

39-Fluorophenol (S)

40-Fluorophenol (S)

41-Fluorophenol (S)

42-Fluorophenol (S)

43-Fluorophenol (S)

44-Fluorophenol (S)

45-Fluorophenol (S)

46-Fluorophenol (S)

47-Fluorophenol (S)

48-Fluorophenol (S)

49-Fluorophenol (S)

50-Fluorophenol (S)

51-Fluorophenol (S)

52-Fluorophenol (S)

53-Fluorophenol (S)

54-Fluorophenol (S)

55-Fluorophenol (S)

56-Fluorophenol (S)

57-Fluorophenol (S)

58-Fluorophenol (S)

59-Fluorophenol (S)

60-Fluorophenol (S)

61-Fluorophenol (S)

62-Fluorophenol (S)

63-Fluorophenol (S)

64-Fluorophenol (S)

65-Fluorophenol (S)

66-Fluorophenol (S)

67-Fluorophenol (S)

68-Fluorophenol (S)

69-Fluorophenol (S)

70-Fluorophenol (S)

71-Fluorophenol (S)

72-Fluorophenol (S)

73-Fluorophenol (S)

74-Fluorophenol (S)

75-Fluorophenol (S)

76-Fluorophenol (S)

77-Fluorophenol (S)

78-Fluorophenol (S)

79-Fluorophenol (S)

80-Fluorophenol (S)

81-Fluorophenol (S)

82-Fluorophenol (S)

83-Fluorophenol (S)

84-Fluorophenol (S)

85-Fluorophenol (S)

86-Fluorophenol (S)

87-Fluorophenol (S)

88-Fluorophenol (S)

89-Fluorophenol (S)

90-Fluorophenol (S)

91-Fluorophenol (S)

92-Fluorophenol (S)

93-Fluorophenol (S)

94-Fluorophenol (S)

95-Fluorophenol (S)

96-Fluorophenol (S)

97-Fluorophenol (S)

98-Fluorophenol (S)

99-Fluorophenol (S)

100-Fluorophenol (S)

BTL# 4

Last Qcal Time: 940310 12:17

```
Operator ID: BNA1
Quant Time : 940310 17:36
Injected at: 940310 16:55
```

QUANT REPORT

Page 1

Operator ID: BNA1
 Output File: ^A9203::QT
 Data File: >A9203::A4
 Name: MSD/A,
 Misc: SSTO 120,,,,,SSTD 120,

Quant Rev: 7 Quant Time: 940310 17:36
 Injected at: 940310 16:55
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 4

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	8.62	152.0	7499	40.00	NG	95
2)	2-Fluorophenol (S)	5.53	112.0	24706	115.58	NG	95
3)	Phenol-d5 (S)	8.09	99.0	41176	122.04	NG	96
4)	Phenol	8.12	94.0	35790	100.74	NG	85
5)	2-Chlorophenol-d4 (S)	8.14	132.0	29912	109.22	NG	86
6)	bis(2-chloroethyl)ether	8.20	93.0	28190	103.27	NG	82
7)	2-Chlorophenol	8.18	128.0	28466	109.14	NG	98
8)	1,3-Dichlorobenzene	8.52	146.0	31407	123.58	NG	99
9)	1,4-Dichlorobenzene	8.68	146.0	31909	121.32	NG	97
10)	1,2-Dichlorobenzene-d4 (S)	9.13	152.0	21006	108.18	NG	94
11)	1,2-Dichlorobenzene	9.17	146.0	30274	115.99	NG	94
12)	2-Methylphenol	9.68	108.0	29121	100.39	NG	87
13)	2,2'-oxybis(1-Chloropropane)	9.66	45.0	72845M	80.14	NG	83
14)	4-Methylphenol	10.17	108.0	64134	211.61	NG	83
15)	N-Nitroso-di-n-propylamine	10.11	70.0	38405M	103.77	NG	74
16)	Hexachloroethane	9.99	117.0	16805	103.50	NG	95
17)	*Naphthalene-d8	12.24	136.0	33887	40.00	NG	89
18)	Nitrobenzene-d5 (S)	10.31	82.0	47913	130.93	NG	79
19)	Nitrobenzene	10.35	77.0	46764	93.51	NG	89
20)	Isophorone	11.06	82.0	106425	126.03	NG	98
21)	2-Nitrophenol	11.27	139.0	22674	116.13	NG	77
22)	2,4-Dimethylphenol	11.61	107.0	43229	122.55	NG	93
23)	bis(2-Chloroethoxy)methane	11.88	93.0	53825	109.67	NG	47
24)	2,4-Dichlorophenol	11.98	162.0	35574	119.83	NG	93
25)	1,2,4-Trichlorobenzene	12.16	180.0	35643	111.08	NG	95
26)	Naphthalene	12.30	128.0	96347	109.29	NG	96
27)	4-Chloroaniline	12.67	127.0	54366	118.00	NG	91
28)	Hexachlorobutadiene	12.91	225.0	22631	105.50	NG	94
29)	4-Chloro-3-methylphenol	14.27	107.0	49715	115.99	NG	73
30)	2-Methylnaphthalene	14.36	142.0	70555	107.00	NG	80
31)	*Acenaphthene-d10	17.53	164.0	28016	40.00	NG	96
32)	Hexachlorocyclopentadiene	15.09	237.0	28237	125.22	NG	96
33)	2,4,6-Trichlorophenol	15.39	196.0	36545	117.99	NG	86
34)	2,4,5-Trichlorophenol	15.48	196.0	32388	94.17	NG	95
35)	2-Chloronaphthalene	15.80	162.0	81566	107.99	NG	94
36)	2-Fluorobiphenyl (S)	15.64	172.0	86659	104.98	NG	94
37)	2-Nitroaniline	16.37	65.0	59692	117.88	NG	70
38)	Dimethylphthalate	17.12	163.0	130902	112.15	NG	59
39)	Acenaphthylene	17.04	152.0	146723	104.67	NG	96
40)	3-Nitroaniline	17.65	138.0	32104	93.09	NG	86
41)	Acenaphthene	17.63	153.0	80364	93.05	NG	96
42)	2,4-Dinitrophenol	17.94	184.0	20586	285.48	NG	82
43)	4-Nitrophenol	18.34	109.0	28458	128.69	NG	93

Operator ID: BNA1
 Output File: ^A9203::QT
 Data File: >A9203::A4
 Name: MSD/A,
 Misc: SSTD 120,,,,,SSTD 120,

Quant Rev: 7 Quant Time: 940310 17:36
 Injected at: 940310 16:55
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 4

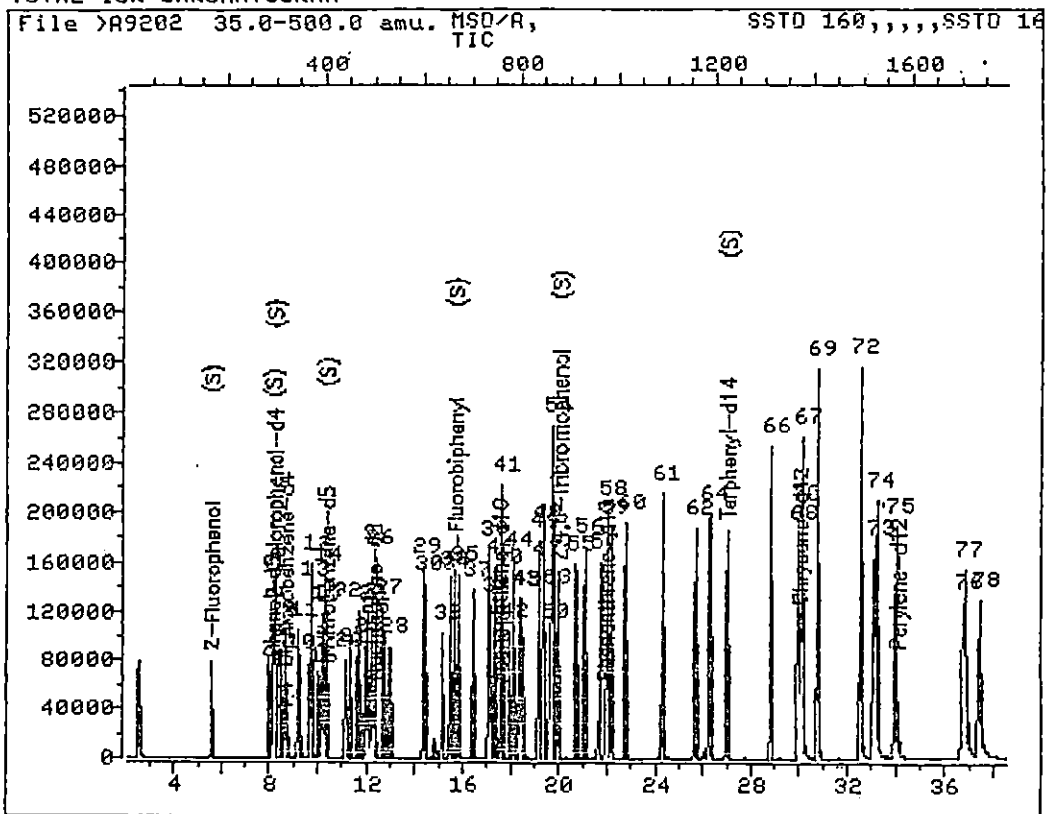
ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	Dibenzofuran	18.12	168.0	135094	105.30	NG	98
45)	2,4-Dinitrotoluene	18.45	165.0	54739	114.36	NG	64
46)	2,6-Dinitrotoluene	17.31	165.0	34356	113.19	NG	50
47)	Diethylphthalate	19.32	149.0	143349	99.00	NG	91
48)	4-Chlorophenyl-phenylether	19.28	204.0	51227	93.27	NG	88
49)	Fluorene	19.16	166.0	104725	101.32	NG	99
50)	4-Nitroaniline	19.58	138.0	49258	117.92	NG	72
51)	2,4,6-Tribromophenol (S)	19.97	330.0	34927	106.54	NG	89
52)	*Phenanthrene-d10	21.94	188.0	60549	40.00	NG	99
53)	4,6-Dinitro-2-methylphenol	19.67	198.0	34930	144.16	NG	96
54)	N-Nitrosodiphenylamine (1)	19.75	169.0	72207	116.10	NG	95
55)	4-Bromophenyl-phenylether	20.72	248.0	42449	105.90	NG	89
56)	Hexachlorobenzene	21.07	284.0	59631	106.48	NG	95
57)	Pentachlorophenol	21.68	266.0	44580	114.61	NG	95
58)	Phenanthrene	22.03	178.0	174270	100.59	NG	95
59)	Anthracene	22.15	178.0	180676	108.18	NG	96
60)	Carbazole	22.78	167.0	186434	104.61	NG	90
61)	Di-n-butylphthalate	24.28	149.0	305876	100.85	NG	96
62)	Fluoranthene	25.62	202.0	227166	102.70	NG	97
63)	*Chrysene-d12	30.04	240.0	79689	40.00	NG	92
64)	Pyrene	26.28	202.0	216987	99.01	NG	95
65)	Terphenyl-d14 (S)	27.01	244.0	159496	99.72	NG	90
66)	Butylbenzylphthalate	28.78	149.0	168366	120.31	NG	94
67)	3,3'-Dichlorobenzidine	30.14	252.0	84478	97.13	NG	98
68)	Benzo(a)anthracene	29.98	228.0	241389	105.29	NG	97
69)	bis(2-Ethylhexyl)phthalate	30.71	149.0	227461	110.60	NG	92
70)	Chrysene	30.12	228.0	195698M	102.79	NG	96
71)	*Perylene-d12	34.07	264.0	81742	40.00	NG	97
72)	Di-n-octylphthalate	32.48	149.0	419449	104.81	NG	86
73)	Benzo(b)fluoranthene	33.09	252.0	269859	81.68	NG	94
74)	Benzo(k)fluoranthene	33.20	252.0	252577M	106.43	NG	94
75)	Benzo(a)pyrene	33.93	252.0	254676	93.22	NG	96
76)	Indeno(1,2,3-cd)pyrene	36.72	276.0	216755	76.75	NG	89
77)	Dibenz(a,h)anthracene	36.82	278.0	209448	92.77	NG	95
78)	Benzo(g,h,i)perylene	37.43	276.0	224975	84.37	NG	89

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >A9202::A4

Quant Output File: ^A9202::QT

Name: MSD/A,

Instrument ID: A

Misc: SSTO 160,,,,,SSTO 160,

BTL# 3

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

Operator ID: BNA1

Quant Time : 940310 16:44

Injected at: 940310 16:03

QUANT REPORT

Page 1

Operator ID: BNA1
 Output File: ^A9202::QT
 Data File: >A9202::A4
 Name: MSD/A,
 Misc: SSTO 160,,,,,SSTD 160,

Quant Rev: 7 Quant Time: 940310 16:44
 Injected at: 940310 16:03
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 3

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound		R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4		8.64	152.0	8048	40.00	NG	98
2)	2-Fluorophenol	(S)	5.54	112.0	34637	150.98	NG	91
3)	Phenol-d5	(S)	8.09	99.0	57188	157.94	NG	97
4)	Phenol		8.13	94.0	49103M	128.79	NG	95
5)	2-Chlorophenol-d4	(S)	8.15	132.0	38271	130.21	NG	83
6)	bis(2-chloroethyl)ether		8.21	93.0	39021	133.20	NG	95
7)	2-Chlorophenol		8.19	128.0	39313	140.45	NG	99
8)	1,3-Dichlorobenzene		8.51	146.0	41968	153.88	NG	97
9)	1,4-Dichlorobenzene		8.68	146.0	42993	152.31	NG	97
10)	1,2-Dichlorobenzene-d4	(S)	9.12	152.0	28038	134.55	NG	95
11)	1,2-Dichlorobenzene		9.16	146.0	40447	144.40	NG	95
12)	2-Methylphenol		9.69	108.0	38869	124.85	NG	89
13)	2,2'-oxybis(1-Chloropropane)		9.67	45.0	120644	123.68	NG	77
14)	4-Methylphenol		10.18	108.0	88829	273.10	NG	86
15)	N-Nitroso-di-n-propylamine		10.12	70.0	50898M	128.14	NG	99
16)	Hexachloroethane		10.00	117.0	23264M	133.51	NG	
17)	*Naphthalene-d8		12.24	136.0	37042	40.00	NG	87
18)	Nitrobenzene-d5	(S)	10.30	82.0	66497	166.24	NG	81
19)	Nitrobenzene		10.37	77.0	65766	120.31	NG	88
20)	Isophorone		11.10	82.0	147685	159.99	NG	98
21)	2-Nitrophenol		11.26	139.0	33749	158.13	NG	87
22)	2,4-Dimethylphenol		11.63	107.0	58258	151.09	NG	93
23)	bis(2-Chloroethoxy)methane		11.87	93.0	76724	143.02	NG	65
24)	2,4-Dichlorophenol		11.99	162.0	50245	154.84	NG	91
25)	1,2,4-Trichlorobenzene		12.16	180.0	47799	136.27	NG	95
26)	Naphthalene		12.30	128.0	128672	133.53	NG	97
27)	4-Chloroaniline		12.67	127.0	74128	147.19	NG	92
28)	Hexachlorobutadiene		12.91	225.0	30619	130.58	NG	97
29)	4-Chloro-3-methylphenol		14.27	107.0	67195	143.42	NG	73
30)	2-Methylnaphthalene		14.37	142.0	95984	133.16	NG	76
31)	*Acenaphthene-d10		17.51	164.0	29537	40.00	NG	97
32)	Hexachlorocyclopentadiene		15.09	237.0	39536	166.29	NG	98
33)	2,4,6-Trichlorophenol		15.39	196.0	48449	148.37	NG	94
34)	2,4,5-Trichlorophenol		15.47	196.0	48637M	134.14	NG	97
35)	2-Chloronaphthalene		15.80	162.0	107734	135.28	NG	96
36)	2-Fluorobiphenyl	(S)	15.64	172.0	116869	134.29	NG	94
37)	2-Nitroaniline		16.37	65.0	76860	143.96	NG	76
38)	Dimethylphthalate		17.12	163.0	167520	136.13	NG	60
39)	Acenaphthylene		17.04	152.0	184319	124.72	NG	98
40)	3-Nitroaniline		17.65	138.0	49931	137.32	NG	92
41)	Acenaphthene		17.63	153.0	106425	116.89	NG	97
42)	2,4-Dinitrophenol		17.96	184.0	28704	377.56	NG	91
43)	4-Nitrophenol		18.36	109.0	36037	154.58	NG	93

QUANT REPORT

Page 2

Operator ID: BNA1
 Output File: ^A9202::QT
 Data File: >A9202::A4
 Name: MSD/A,
 Misc: SSTD 160,,,,,SSTD 160,

Quant Rev: 7 Quant Time: 940310 16:44
 Injected at: 940310 16:03
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 3

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940225 11:33

Last Qcal Time: 940310 12:17

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	Dibenzofuran	18.12	168.0	172554	127.58	NG	98
45)	2,4-Dinitrotoluene	18.44	165.0	70163	139.03	NG	69
46)	2,6-Dinitrotoluene	17.30	165.0	43192	134.98	NG	66
47)	Diethylphthalate	19.32	149.0	184392	120.79	NG	88
48)	4-Chlorophenyl-phenylether	19.28	204.0	62751	108.37	NG	81
49)	Fluorene	19.16	166.0	132533	121.62	NG	96
50)	4-Nitroaniline	19.60	138.0	62776	142.54	NG	77
51)	2,4,6-Tribromophenol (S)	19.97	330.0	45127	130.56	NG	95
52)	*Phenanthrene-d10	21.92	188.0	62541	40.00	NG	99
53)	4,6-Dinitro-2-methylphenol	19.68	198.0	47466	189.66	NG	97
54)	N-Nitrosodiphenylamine (1)	19.75	169.0	81399M	126.72	NG	93
55)	4-Bromophenyl-phenylether	20.72	248.0	51475	124.33	NG	80
56)	Hexachlorobenzene	21.07	284.0	74311	128.46	NG	99
57)	Pentachlorophenol	21.68	266.0	59424	147.90	NG	96
58)	Phenanthrene	22.03	178.0	225435	125.98	NG	95
59)	Anthracene	22.15	178.0	229674	133.14	NG	96
60)	Carbazole	22.78	167.0	234682	127.49	NG	90
61)	Di-n-butylphthalate	24.26	149.0	380857	121.57	NG	98
62)	Fluoranthene	25.62	202.0	284547	124.55	NG	98
63)	*Chrysene-d12	30.02	240.0	78449	40.00	NG	98
64)	Pyrene	26.27	202.0	275919	127.89	NG	93
65)	Terphenyl-d14 (S)	27.01	244.0	198604	126.14	NG	89
66)	Butylbenzylphthalate	28.78	149.0	206469	149.87	NG	95
67)	3,3'-Dichlorobenzidine	30.14	252.0	96965	113.25	NG	96
68)	Benzo(a)anthracene	29.98	228.0	299804	132.84	NG	98
69)	bis(2-Ethylhexyl)phthalate	30.69	149.0	275075	135.86	NG	93
70)	Chrysene	30.10	228.0	239805M	127.95	NG	98
71)	*Perylene-d12	34.05	264.0	84720	40.00	NG	96
72)	Di-n-octylphthalate	32.48	149.0	512849	123.64	NG	85
73)	Benzo(b)fluoranthene	33.11	252.0	336664	98.31	NG	94
74)	Benzo(k)fluoranthene	33.19	252.0	306805M	124.74	NG	94
75)	Benzo(a)pyrene	33.94	252.0	323389	114.21	NG	96
76)	Indeno(1,2,3-cd)pyrene	36.73	276.0	288767	98.65	NG	90
77)	Dibenz(a,h)anthracene	36.81	278.0	262548	112.21	NG	95
78)	Benzo(g,h,i)perylene	37.44	276.0	281282	101.78	NG	89

* Compound is ISTD

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No: 316601

Instrument ID: MSD/A

Calibration Date(s):

03/28/94

Time: 15:34

Lab File ID: >A9371

Init. Cali. Date(s):

03/10/94-03/10/94

Init. Calib. Times:

15:12-18:37

COMPOUND	RRF	RRF50	MIN	RRF	%D	MAX
Phenol	1.8176	1.8300	0.800		.68	25.01
bis(2-chloroethyl)ether	1.3514	1.4770	0.700		9.29	25.01
2-Chlorophenol	1.3263	1.4800	0.800		11.59	25.01
1,3-Dichlorobenzene	1.4285	1.6430	0.600		15.02	25.01
1,4-Dichlorobenzene	1.4940	1.7350	0.500		16.13	25.01
1,2-Dichlorobenzene	1.4390	1.5310	0.400		6.39	25.01
2-Methylphenol	1.3475	1.3500	0.700		.19	25.01
2,2'-oxybis(1-Chloropropane)	3.5246	3.6610			3.87	
4-Methylphenol	1.5295	1.5490	0.600		1.27	25.01
N-Nitroso-di-n-propylamine	1.7541	1.5470	0.500		11.81	25.01
Hexachloroethane	.7769	.8096	0.300		4.21	25.01
Nitrobenzene	.4746	.4329	0.200		8.79	25.01
Isophorone	1.0254	.8919	0.400		13.02	25.01
2-Nitrophenol	.2301	.2498	0.100		8.56	25.01
2,4-Dimethylphenol	.4208	.3985	0.200		5.30	25.01
bis(2-Chloroethoxy)methane	.5537	.5463	0.300		1.34	25.01
2,4-Dichlorophenol	.3526	.3637	0.200		3.15	25.01
1,2,4-Trichlorobenzene	.3538	.3649	0.200		3.14	25.01
Naphthalene	1.0036	1.1320	0.700		12.79	25.01
4-Chloroaniline	.5494	.5851			6.50	
Hexachlorobutadiene	.2261	.1944			14.02	
4-Chloro-3-methylphenol	.4893	.4637	0.200		5.23	25.01
2-Methylnaphthalene	.7250	.8048	0.400		11.01	25.01
Hexachlorocyclopentadiene	.2926	.2810			3.96	
2,4,6-Trichlorophenol	.4402	.4407	0.200		.11	25.01
2,4,5-Trichlorophenol	.4450	.4402	0.200		1.08	25.01
2-Chloronaphthalene	1.0380	1.2060	0.800		16.18	25.01
2-Nitroaniline	.7082	.6076			14.21	
Dimethylphthalate	1.6231	1.5210			6.29	
Acenaphthylene	1.8610	1.8720	1.300		.59	25.01
2,6-Dinitrotoluene	.4031	.4459	0.200		10.62	25.01
3-Nitroaniline	.4355	.4507			3.49	
Acenaphthene	1.0768	1.2370	0.800		14.88	25.01
2,4-Dinitrophenol	.1979	.1280			35.32	
4-Nitrophenol	.3233	.2504			22.55	
Dibenzofuran	1.7307	1.9640	0.800		13.48	25.01
2,4-Dinitrotoluene	.6617	.6709	0.200		1.39	25.01

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No: 316601

Instrument ID: MSD/A

Calibration Date(s): 03/28/94 Time: 15:34

Lab File ID: >A9371

Init. Cali. Date(s): 03/10/94-03/10/94

Init. Calib. Times: 15:12-18:37

COMPOUND	RRF	RRF50	MIN	%D	MAX
Diethylphthalate	1.8208	1.7950		1.42	
4-Chlorophenyl-phenylether	.6573	.6852	0.400	4.24	25.0
Fluorene	1.3696	1.5370	0.900	12.22	25.0
4-Nitroaniline	.5772	.5867		1.65	
4,6-Dinitro-2-methylphenol	.1686	.1771		5.04	
N-Nitrosodiphenylamine (1)	.4484	.6018		34.21	
4-Bromophenyl-phenylether	.2397	.2221	0.100	7.34	25.0
Hexachlorobenzene	.3391	.2677	0.100	21.06	25.0
Pentachlorophenol	.2485	.1991	0.050	19.88	25.0
Phenanthrene	1.0716	1.2870	0.700	20.10	25.0
Anthracene	1.0775	1.2530	0.700	16.29	25.0
Carbazole	1.1171	1.3490		20.76	
Di-n-butylphthalate	1.8223	2.0560		12.82	
Fluoranthene	1.3541	1.4820	0.600	9.45	25.0
Pyrene	.9711	1.3160	0.600	35.52	25.0
Butylbenzylphthalate	.7233	.9534		31.81	
3,3'-Dichlorobenzidine	.4101	.4524		10.31	
Benzo(a)anthracene	1.0462	1.2650	0.800	20.91	25.0
Chrysene	.8723	1.0340	0.700	18.54	25.0
bis(2-Ethylhexyl)phthalate	1.0029	1.2930		28.93	
Di-n-octylphthalate	1.7675	2.3110		30.75	
Benzo(b)fluoranthene	1.0811	1.2940	0.700	19.69	25.0
Benzo(k)fluoranthene	1.1311	1.2940	0.700	14.40	25.0
Benzo(a)pyrene	1.0466	1.2610	0.700	20.49	25.0
Indeno(1,2,3-cd)pyrene	.8723	1.1470	0.500	31.49	25.0
Dibenz(a,h)anthracene	.8285	.9864	0.400	19.06	25.0
Benzo(g,h,i)perylene	.9346	1.1080	0.500	18.55	25.0
=====					
Nitrobenzene-d5 (S)	.4616	.4249	0.200	7.95	25.0
2-Fluorobiphenyl (S)	1.1287	1.2750	0.700	12.96	25.0
Terphenyl-d14 (S)	.7138	.8433	0.500	18.14	25.0
Phenol-d5 (S)	1.8479	1.9150	0.800	3.63	25.0
2-Fluorophenol (S)	1.1187	1.2060	0.600	7.80	25.0
2,4,6-Tribromophenol (S)	.4341	.2497		42.48	
2-Chlorophenol-d4 (S)	1.3695	1.6050	0.800	17.20	25.0
1,2-Dichlorobenzene-d4 (S)	.9614	1.0820	0.400	12.54	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

78
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No: 316601

Instrument ID: MSD/A

Calibration Date(s):

03/29/94

Time: 16:47

Lab File ID: >A9391

Init. Cali. Date(s):

03/10/94-03/10/94

Init. Calib. Times:

15:12-18:37

COMPOUND	RRF	RRF50	MIN	RRF	%D	MAX
Phenol	1.8176	2.0570	0.800	13.17	25.0	
bis(2-chloroethyl)ether	1.3514	1.5720	0.700	16.32	25.0	
2-Chlorophenol	1.3263	1.5350	0.800	15.74	25.0	
1,3-Dichlorobenzene	1.4285	1.5690	0.600	9.84	25.0	
1,4-Dichlorobenzene	1.4940	1.6790	0.500	12.38	25.0	
1,2-Dichlorobenzene	1.4390	1.5630	0.400	8.62	25.0	
2-Methylphenol	1.3475	1.5810	0.700	17.33	25.0	
2,2'-oxybis(1-Chloropropane)	3.5246	3.8220		8.44		
4-Methylphenol	1.5295	1.8350	0.600	19.97	25.0	
N-Nitroso-di-n-propylamine	1.7541	1.7860	0.500	1.82	25.0	
Hexachloroethane	.7769	.7486	0.300	3.64	25.0	
Nitrobenzene	.4746	.4063	0.200	14.39	25.0	
Isophorone	1.0254	.9153	0.400	10.74	25.0	
2-Nitrophenol	.2301	.2332	0.100	1.35	25.0	
2,4-Dimethylphenol	.4208	.3759	0.200	10.67	25.0	
bis(2-Chloroethoxy)methane	.5537	.5447	0.300	1.63	25.0	
2,4-Dichlorophenol	.3526	.3617	0.200	2.58	25.0	
1,2,4-Trichlorobenzene	.3538	.3539	0.200	.03	25.0	
Naphthalene	1.0036	1.0910	0.700	8.71	25.0	
4-Chloroaniline	.5494	.5894		7.28		
Hexachlorobutadiene	.2261	.1860		17.74		
4-Chloro-3-methylphenol	.4893	.4753	0.200	2.86	25.0	
2-Methylnaphthalene	.7250	.7987	0.400	10.17	25.0	
Hexachlorocyclopentadiene	.2926	.0368		87.42		
2,4,6-Trichlorophenol	.4402	.3941	0.200	10.47	25.0	
2,4,5-Trichlorophenol	.4450	.3965	0.200	10.90	25.0	
2-Chloronaphthalene	1.0380	1.1130	0.800	7.23	25.0	
2-Nitroaniline	.7082	.5481		22.61		
Dimethylphthalate	1.6231	1.4870		8.39		
Acenaphthylene	1.8610	1.8170	1.300	2.36	25.0	
2,6-Dinitrotoluene	.4031	.4169	0.200	3.42	25.0	
3-Nitroaniline	.4355	.4592		5.44		
Acenaphthene	1.0768	1.1450	0.800	6.33	25.0	
2,4-Dinitrophenol	.1979	.0108		94.54		
4-Nitrophenol	.3233	.2534		21.62		
Dibenzofuran	1.7307	1.8340	0.800	5.97	25.0	
2,4-Dinitrotoluene	.6617	.6361	0.200	3.87	25.0	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No: 316601

Instrument ID: MSD/A

Calibration Date(s):

03/29/94

Time: 16:47

Lab File ID: >A9391

Init. Cali. Date(s):

03/10/94-03/10/94

Init. Calib. Times:

15:12-18:37

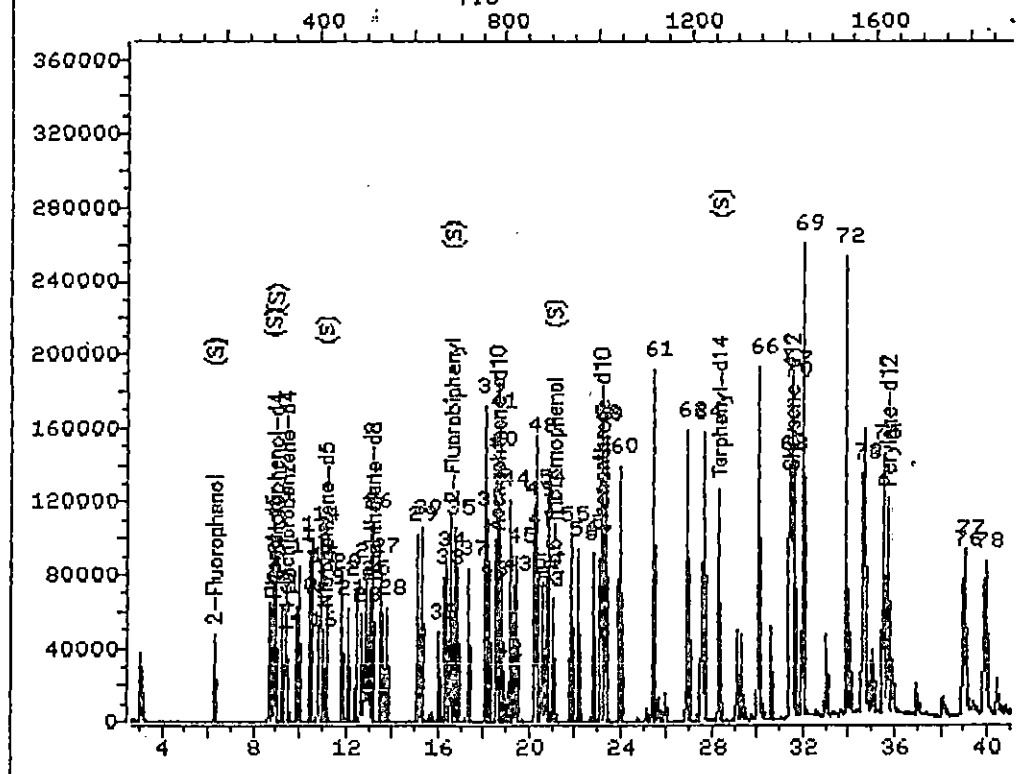
COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.8208	1.8080		.70	
4-Chlorophenyl-phenylether	.6573	.6712	0.400	2.11	25.0
Fluorene	1.3696	1.4850	0.900	8.43	25.0
4-Nitroaniline	.5772	.6119		6.01	
4,6-Dinitro-2-methylphenol	.1686	.0936		44.48	
N-Nitrosodiphenylamine (1)	.4484	.5205		16.08	
4-Bromophenyl-phenylether	.2397	.1922	0.100	19.82	25.0
Hexachlorobenzene	.3391	.2374	0.100	29.99	25.0
Pentachlorophenol	.2485	.1657	0.050	33.32	25.0
Phenanthrene	1.0716	1.1370	0.700	6.10	25.0
Anthracene	1.0775	1.1270	0.700	4.59	25.0
Carbazole	1.1171	1.2290		10.02	
Di-n-butylphthalate	1.8223	1.9070		4.65	
Fluoranthene	1.3541	1.4070	0.600	3.91	25.0
Pyrene	.9711	1.1870	0.600	22.23	25.0
Butylbenzylphthalate	.7233	.8555		18.28	
3,3'-Dichlorobenzidine	.4101	.4390		7.05	
Benzo(a)anthracene	1.0462	1.2020	0.800	14.89	25.0
Chrysene	.8723	.9980	0.700	14.41	25.0
bis(2-Ethylhexyl)phthalate	1.0029	1.2130		20.95	
Di-n-octylphthalate	1.7675	2.1120		19.49	
Benzo(b)fluoranthene	1.0811	1.3220	0.700	22.28	25.0
Benzo(k)fluoranthene	1.1311	1.3630	0.700	20.50	25.0
Benzo(a)pyrene	1.0466	1.2720	0.700	21.54	25.0
Indeno(1,2,3-cd)pyrene	.8723	1.1320	0.500	29.77	25.0
Dibenz(a,h)anthracene	.8285	1.0760	0.400	29.87	25.0
Benzo(g,h,i)perylene	.9346	1.1400	0.500	21.98	25.0
Nitrobenzene-d5	(S) .4616	.3934	0.200	14.77	25.0
2-Fluorobiphenyl	(S) 1.1287	1.1590	0.700	2.68	25.0
Terphenyl-d14	(S) .7138	.7805	0.500	9.34	25.0
Phenol-d5	(S) 1.8479	1.9560	0.800	5.85	25.0
2-Fluorophenol	(S) 1.1187	1.1700	0.600	4.59	25.0
2,4,6-Tribromophenol	(S) .4341	.2673		38.42	
2-Chlorophenol-d4	(S) 1.3695	1.6110	0.800	17.63	25.0
1,2-Dichlorobenzene-d4	(S) .9614	1.0550	0.400	9.74	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

File >A9371 35.0-500.0 amu. MSD/A, SST0 50,,,,,SST0 50

TIC



Data File: >A9371::A2
Name: MSD/A,
Misc: SSTD 50,,,,,SSTD 50,

Quant Output File: ^A9371::QT
Instrument ID: A

BTL# 2

Id File: IDAB90::EX
Title: CLP SEMI-VOLATILE ID FILE
Last Calibration: 940311 08:27

Last Qcal Time: 940328 14:04

Operator ID: BNA3
Quant Time : 940328 16:16
Injected at: 940328 15:34

QUANT REPORT

Page 1

Operator ID: BNA3
 Output File: ^A9371::QT
 Data File: >A9371::A2
 Name: MSD/A,
 Misc: SSTD 50,,,,,SSTD 50,

Quant Rev: 7 Quant Time: 940328 16:16
 Injected at: 940328 15:34
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 2

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qcal Time: 940328 14:04

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	9.39	152.0	14984	40.00	NG	95
2)	2-Fluorophenol (S)	6.23	112.0	22589	51.42	NG	98
3)	Phenol-d5 (S)	8.79	99.0	35884	47.14	NG	99
4)	Phenol	8.81	94.0	34290	46.21	NG	74
5)	2-Chlorophenol-d4 (S)	8.89	132.0	30073	57.68	NG	84
6)	bis(2-chloroethyl)ether	8.91	93.0	27678	45.74	NG	94
7)	2-Chlorophenol	8.93	128.0	27722	52.57	NG	98
8)	1,3-Dichlorobenzene	9.27	146.0	30787	54.38	NG	96
9)	1,4-Dichlorobenzene	9.44	146.0	32509	56.34	NG	94
10)	1,2-Dichlorobenzene-d4 (S)	9.90	152.0	20270	54.86	NG	96
11)	1,2-Dichlorobenzene	9.94	146.0	28676	52.14	NG	93
12)	2-Methylphenol	10.43	108.0	25290	45.59	NG	85
13)	2,2'-oxybis(1-Chloropropane)	10.41	45.0	68578	50.48	NG	81
14)	4-Methylphenol	10.90	108.0	58039	100.65	NG	79
15)	N-Nitroso-di-n-propylamine	10.84	70.0	28986	44.19	NG	84
16)	Hexachloroethane	10.80	117.0	15165M	51.32	NG	
17)	*Naphthalene-d8	13.09	136.0	72572	40.00	NG	89
18)	Nitrobenzene-d5 (S)	11.08	82.0	38549	43.71	NG	90
19)	Nitrobenzene	11.14	77.0	39273	43.62	NG	97
20)	Isophorone	11.85	82.0	80914	41.08	NG	91
21)	2-Nitrophenol	12.08	139.0	22669	51.80	NG	92
22)	2,4-Dimethylphenol	12.38	107.0	36152	49.62	NG	89
23)	bis(2-Chloroethoxy)methane	12.65	93.0	49565	44.94	NG	75
24)	2,4-Dichlorophenol	12.81	162.0	32996	53.24	NG	95
25)	1,2,4-Trichlorobenzene	13.01	180.0	33106	53.93	NG	89
26)	Naphthalene	13.15	128.0	102704	53.94	NG	98
27)	4-Chloroaniline	13.50	127.0	53083	52.45	NG	95
28)	Hexachlorobutadiene	13.78	225.0	17637	52.82	NG	93
29)	4-Chloro-3-methylphenol	15.12	107.0	42068	46.36	NG	92
30)	2-Methylnaphthalene	15.27	142.0	73011	54.50	NG	84
31)	*Acenaphthene-d10	18.54	164.0	53969	40.00	NG	95
32)	Hexachlorocyclopentadiene	16.00	237.0	18962	55.44	NG	98
33)	2,4,6-Trichlorophenol	16.30	196.0	29736	51.81	NG	95
34)	2,4,5-Trichlorophenol	16.40	196.0	29701	48.98	NG	98
35)	2-Chloronaphthalene	16.75	162.0	81417	53.97	NG	99
36)	2-Fluorobiphenyl (S)	16.57	172.0	86043	54.62	NG	96
37)	2-Nitroaniline	17.30	65.0	40992	40.54	NG	94
38)	Dimethylphthalate	18.07	163.0	102647	52.79	NG	57
39)	Acenaphthylene	18.05	152.0	126286	54.76	NG	96
40)	3-Nitroaniline	18.62	138.0	30406	47.84	NG	91
41)	Acenaphthene	18.64	153.0	83452	55.37	NG	94
42)	2,4-Dinitrophenol	18.92	184.0	8637	26.78	NG	73
43)	4-Nitrophenol	19.31	109.0	16893	48.44	NG	84

QUANT REPORT

Page 2

Operator ID: BNA3
 Output File: ^A9371::QT
 Data File: >A9371::A2
 Name: MSD/A,
 Misc: SSTO 50,,,,,SSTD 50,

Quant Rev: 7 Quant Time: 940328 16:16
 Injected at: 940328 15:34
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 2

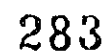
ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qcal Time: 940328 14:04

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	Dibenzofuran	19.15	168.0	132493	54.20	NG	93
45)	2,4-Dinitrotoluene	19.43	165.0	45260	49.20	NG	80
46)	2,6-Dinitrotoluene	18.23	165.0	30086	50.00	NG	92
47)	Diethylphthalate	20.28	149.0	121111	51.97	NG	92
48)	4-Chlorophenyl-phenylether	20.33	204.0	46226	55.64	NG	76
49)	Fluorene	20.20	166.0	103723	53.84	NG	96
50)	4-Nitroaniline	20.57	138.0	39582	47.84	NG	94
51)	2,4,6-Tribromophenol (S)	21.04	330.0	16846	42.82	NG	83
52)	*Phenanthrene-d10	23.11	188.0	104087	40.00	NG	98
53)	4,6-Dinitro-2-methylphenol	20.67	198.0	23045	39.38	NG	94
54)	N-Nitrosodiphenylamine (1)	20.75	169.0	78303	54.84	NG	95
55)	4-Bromophenyl-phenylether	21.81	248.0	28900	48.62	NG	74
56)	Hexachlorobenzene	22.17	284.0	34842	47.50	NG	98
57)	Pentachlorophenol	22.80	266.0	25913	45.00	NG	97
58)	Phenanthrene	23.17	178.0	167458	56.84	NG	96
59)	Anthracene	23.31	178.0	163023	55.42	NG	97
60)	Carbazole	23.92	167.0	175614	54.29	NG	89
61)	Di-n-butylphthalate	25.41	149.0	267611	53.99	NG	96
62)	Fluoranthene	26.91	202.0	192857	56.14	NG	94
63)	*Chrysene-d12	31.46	240.0	119936	40.00	NG	96
64)	Pyrene	27.58	202.0	197390	49.60	NG	97
65)	Terphenyl-d14 (S)	28.27	244.0	126430	47.30	NG	91
66)	Butylbenzylphthalate	30.06	149.0	142941	48.90	NG	85
67)	3,3'-Dichlorobenzidine	31.52	252.0	67825	46.36	NG	99
68)	Benzo(a)anthracene	31.40	228.0	189720	50.40	NG	96
69)	bis(2-Ethylhexyl)phthalate	31.99	149.0	193877	49.10	NG	84
70)	Chrysene	31.54	228.0	155138	50.01	NG	95
71)	*Perylene-d12	35.66	264.0	123698	40.00	NG	96
72)	Di-n-octylphthalate	33.82	149.0	357361	53.34	NG	87
73)	Benzo(b)fluoranthene	34.64	252.0	200228	57.47	NG	94
74)	Benzo(k)fluoranthene	34.64	252.0	200228	50.34	NG	94
75)	Benzo(a)pyrene	35.49	252.0	195091	54.63	NG	97
76)	Indeno(1,2,3-cd)pyrene	38.97	276.0	177407	49.35	NG	83
77)	Dibenz(a,h)anthracene	39.07	278.0	152522	53.71	NG	89
78)	Benzo(g,h,i)perylene	39.95	276.0	171343	56.58	NG	75

* Compound is ISTD

File 99391 35.0-500.0 amu. MSD/A, SSTD 50, SSTD 50.



QUANT REPORT

Page 1

Operator ID: BNA3
 Output File: ^A9391::QT
 Data File: >A9391::A2
 Name: MSD/A,
 Misc: SSTO 50,,,,,SSTD 50,

Quant Rev: 7 Quant Time: 940329 17:29
 Injected at: 940329 16:47
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 2

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Compound		R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	9.29	152.0	10898	40.00	NG	95
2)	2-Fluorophenol (S)	6.14	112.0	15942	48.52	NG	95
3)	Phenol-d5 (S)	8.68	99.0	26651	51.06	NG	99
4)	Phenol	8.72	94.0	28023	56.18	NG	69
5)	2-Chlorophenol-d4 (S)	8.78	132.0	21948	50.17	NG	80
6)	bis(2-chloroethyl)ether	8.82	93.0	21423	53.21	NG	99
7)	2-Chlorophenol	8.82	128.0	20914	51.86	NG	98
8)	1,3-Dichlorobenzene	9.19	146.0	21386	47.75	NG	95
9)	1,4-Dichlorobenzene	9.35	146.0	22885	48.39	NG	94
10)	1,2-Dichlorobenzene-d4 (S)	9.82	152.0	14374	48.75	NG	93
11)	1,2-Dichlorobenzene	9.84	146.0	21297	51.06	NG	94
12)	2-Methylphenol	10.35	108.0	21537	58.54	NG	88
13)	2,2'-oxybis(1-Chloropropane)	10.33	45.0	52070	52.20	NG	91
14)	4-Methylphenol	10.81	108.0	50008	118.47	NG	69
15)	N-Nitroso-di-n-propylamine	10.75	70.0	24335	57.72	NG	82
16)	Hexachloroethane	10.69	117.0	10199	46.23	NG	92
17)	*Naphthalene-d8	13.01	136.0	59144	40.00	NG	87
18)	Nitrobenzene-d5 (S)	11.00	82.0	29085	46.29	NG	88
19)	Nitrobenzene	11.04	77.0	30042	46.93	NG	89
20)	Isophorone	11.75	82.0	67673	51.31	NG	86
21)	2-Nitrophenol	11.99	139.0	17243	46.67	NG	91
22)	2,4-Dimethylphenol	12.30	107.0	27796	47.17	NG	90
23)	bis(2-Chloroethoxy)methane	12.56	93.0	40270	49.85	NG	70
24)	2,4-Dichlorophenol	12.70	162.0	26745	49.73	NG	85
25)	1,2,4-Trichlorobenzene	12.91	180.0	26165	48.49	NG	98
26)	Naphthalene	13.05	128.0	80681	48.20	NG	98
27)	4-Chloroaniline	13.41	127.0	43579	50.37	NG	96
28)	Hexachlorobutadiene	13.70	225.0	13755	47.85	NG	93
29)	4-Chloro-3-methylphenol	15.04	107.0	35139	51.25	NG	92
30)	2-Methylnaphthalene	15.18	142.0	59054	49.62	NG	86
31)	*Acenaphthene-d10	18.46	164.0	50937	40.00	NG	95
32)	Hexachlorocyclopentadiene	15.92	237.0	2346M	6.55	NG	
33)	2,4,6-Trichlorophenol	16.22	196.0	25095	44.71	NG	96
34)	2,4,5-Trichlorophenol	16.32	196.0	25251	45.04	NG	89
35)	2-Chloronaphthalene	16.67	162.0	70867	46.11	NG	96
36)	2-Fluorobiphenyl (S)	16.47	172.0	73852	45.47	NG	93
37)	2-Nitroaniline	17.22	45.0	34898	45.10	NG	96
38)	Dimethylphthalate	17.97	163.0	94707	48.88	NG	49
39)	Acenaphthylene	17.95	152.0	115730	48.55	NG	96
40)	3-Nitroaniline	18.52	138.0	29242	50.95	NG	89
41)	Acenaphthene	18.54	153.0	72907	46.28	NG	92
42)	2,4-Dinitrophenol	18.85	184.0	688	4.22	NG	80
43)	4-Nitrophenol	19.23	109.0	16136	50.60	NG	84

284

QUANT REPORT

Page 2

Operator ID: BNA3
 Output File: ^A9391::QT
 Data File: >A9391::A2
 Name: MSD/A,
 Misc: SSTD 50,,,,,SSTD 50,

Quant Rev: 7 Quant Time: 940329 17:29
 Injected at: 940329 16:47
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 2

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	Dibenzofuran	19.05	168.0	116829	46.71	NG	90
45)	2,4-Dinitrotoluene	19.33	165.0	40507	47.41	NG	92
46)	2,6-Dinitrotoluene	18.15	165.0	26546	46.74	NG	94
47)	Diethylphthalate	20.21	149.0	115157	50.37	NG	94
48)	4-Chlorophenyl-phenylether	20.23	204.0	42742	48.98	NG	88
49)	Fluorene	20.13	166.0	94601	48.32	NG	99
50)	4-Nitroaniline	20.47	138.0	38966	52.15	NG	97
51)	2,4,6-Tribromophenol (S)	20.94	330.0	17022	53.53	NG	95
52)	*Phenanthrene-d10	23.02	188.0	111777	40.00	NG	97
53)	4,6-Dinitro-2-methylphenol	20.57	198.0	13078	26.42	NG	90
54)	N-Nitrosodiphenylamine (1)	20.68	169.0	72727	43.24	NG	94
55)	4-Bromophenyl-phenylether	21.73	248.0	26865M	43.28	NG	
56)	Hexachlorobenzene	22.08	284.0	33177	44.34	NG	96
57)	Pentachlorophenol	22.71	266.0	23158	41.61	NG	98
58)	Phenanthrene	23.08	178.0	158913	44.18	NG	95
59)	Anthracene	23.22	178.0	157590	45.01	NG	94
60)	Carbazole	23.83	167.0	171746	45.53	NG	90
61)	Di-n-butylphthalate	25.31	149.0	266442	46.36	NG	97
62)	Fluoranthene	26.82	202.0	196644	47.47	NG	96
63)	*Chrysene-d12	31.36	240.0	138986	40.00	NG	94
64)	Pyrene	27.49	202.0	206227	45.08	NG	93
65)	Terphenyl-d14 (S)	28.18	244.0	135613	46.28	NG	90
66)	Butylbenzylphthalate	29.97	149.0	148639	44.87	NG	85
67)	3,3'-Dichlorobenzidine	31.42	252.0	76268	48.52	NG	93
68)	Benzo(a)anthracene	31.29	228.0	208903	47.51	NG	97
69)	bis(2-Ethylhexyl)phthalate	31.91	149.0	210885	46.93	NG	91
70)	Chrysene	31.46	228.0	173391	48.22	NG	94
71)	*Perylene-d12	35.53	264.0	143076	40.00	NG	96
72)	Di-n-octylphthalate	33.71	149.0	377734	45.69	NG	88
73)	Benzo(b)fluoranthene	34.51	252.0	236506M	51.06	NG	96
74)	Benzo(k)fluoranthene	34.51	252.0	243910	52.66	NG	97
75)	Benzo(a)pyrene	35.38	252.0	227535	50.42	NG	95
76)	Indeno(1,2,3-cd)pyrene	38.78	276.0	202539M	49.35	NG	77
77)	Dibenz(a,h)anthracene	38.88	278.0	192581	54.58	NG	92
78)	Benzo(g,h,i)perylene	39.74	276.0	203953M	51.46	NG	82

* Compound is ISTD

Contract:

SDG No.: 316601

Date Analyzed: 03/28/94

Time Analyzed: 15:34

Contract:

SDG No. 316601

Date Analyzed: 03/28/94

Time Analyzed: 15:34

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

```
# Column used to flag internal standard area values with an asterisk
* Values outside QC limits
```


Contract:

SDG No.: 316601

Date Analyzed: 03/29/94

Time Analyzed: 16:47

1 P-1	15241	9.30	71262	12.99	57377	18.46

IS3 (ANT) = Acenaphthene-d10

RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8C

Contract:

SDG No. 316601

Date Analyzed: 03/29/94

Time Analyzed: 16:47

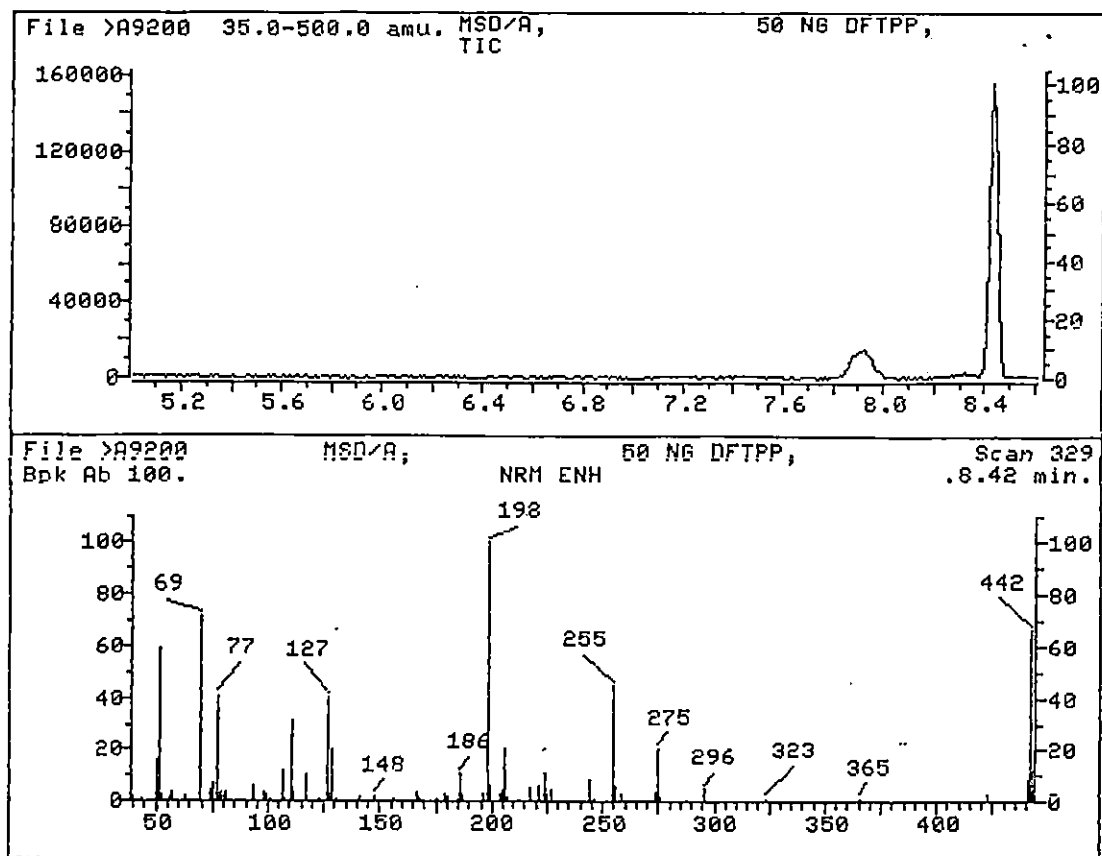
[illegible]

IS5 (CRY) = Chrysene-d12

AREA LOWER LIMIT = - 50% of internal standard area

RT LOWER LIMIT = -0.50 minutes of internal standard RT

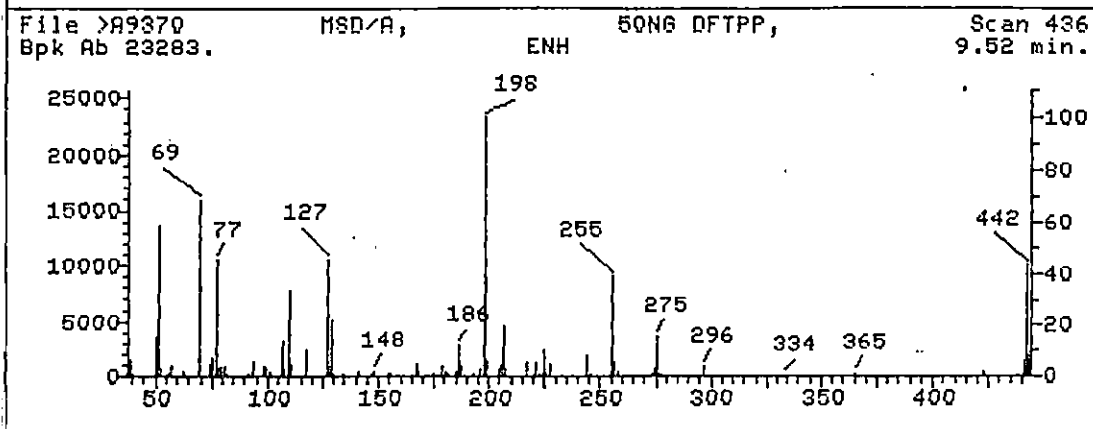
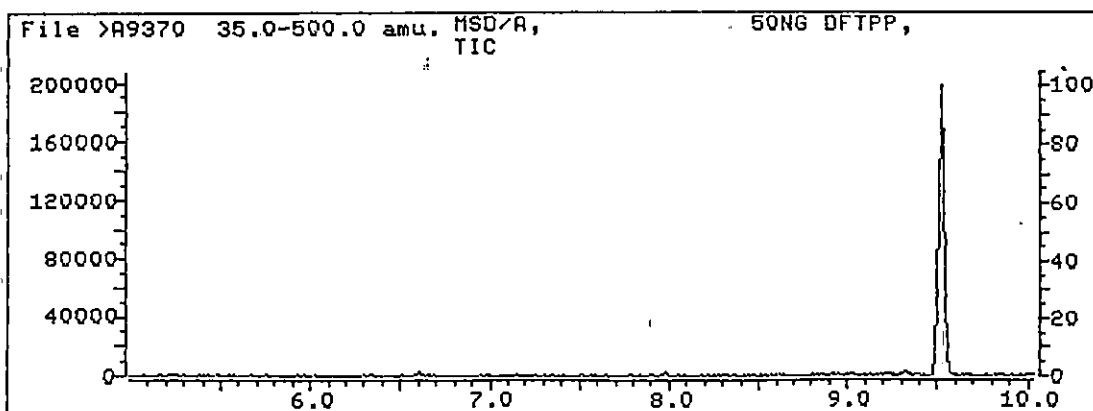
```
* Values outside QC limits
```



>A9200 MSD/A, 50 NG DFTPP,
329 NRM ENH

File: >A9200 Scan #: 329 Retn. time: 8.42

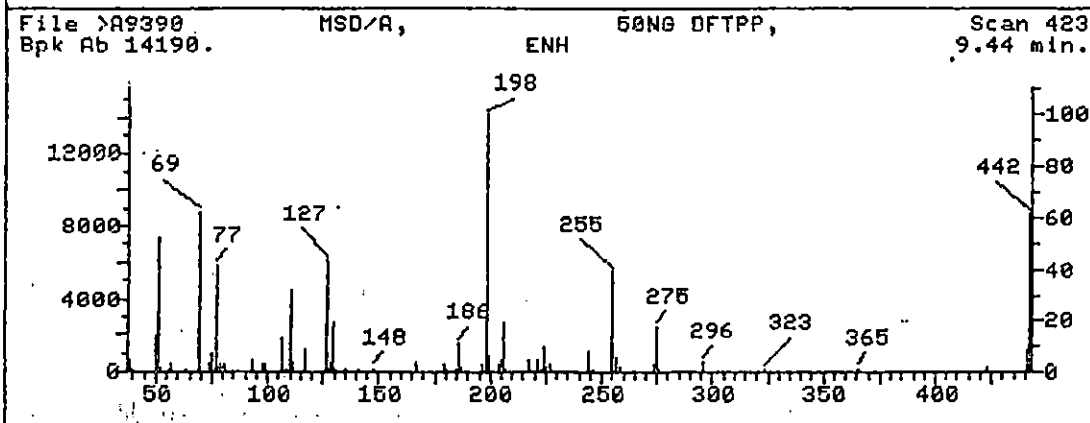
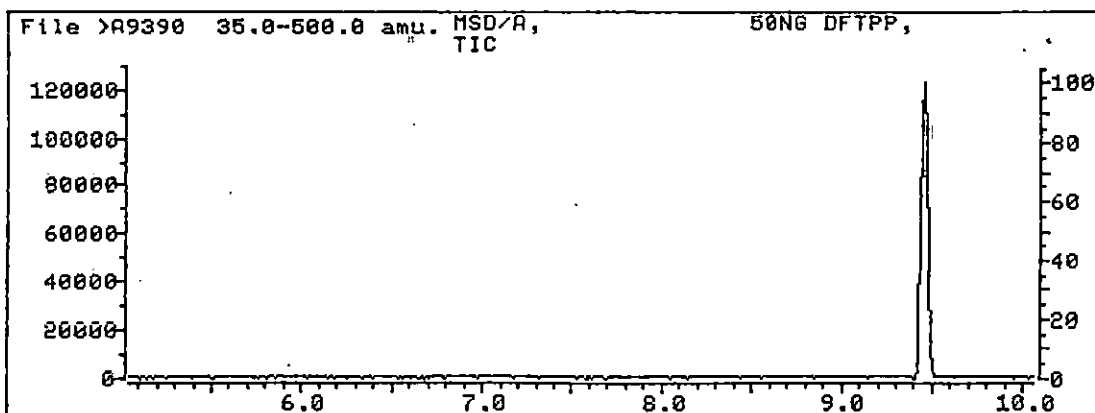
m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
39.10	6.374	81.05	3.179	130.05	1.015	196.00	3.022	246.10	1.010
40.00	1.803	86.05	.417	140.95	1.698	198.00	100.000	255.00	44.294
44.00	1.056	93.05	5.902	142.05	.120	199.00	6.304	256.00	5.905
50.00	16.392	98.05	3.231	147.05	.585	204.10	2.621	258.10	2.363
51.00	58.979	99.05	2.700	147.95	2.211	205.10	4.695	274.00	3.213
52.10	2.546	101.05	.975	156.05	1.044	206.10	20.020	275.10	20.688
56.00	1.721	107.05	12.154	161.05	.332	207.10	2.253	276.10	2.250
57.00	3.965	108.05	1.250	167.05	3.837	208.00	.083	296.00	5.198
63.15	1.758	110.05	31.026	167.85	1.375	217.00	5.459	323.15	1.241
69.05	71.280	111.05	3.829	175.05	.838	221.10	6.064	365.05	1.430
74.05	4.163	116.95	10.099	178.95	2.817	224.10	10.991	423.05	2.924
74.95	7.253	122.05	.091	179.95	1.747	225.10	2.420	441.10	8.966
77.05	40.731	122.95	.817	185.20	.991	227.00	4.407	442.10	66.201
78.15	2.503	127.05	40.262	186.10	10.813	244.10	8.698	443.10	12.060
79.05	3.169	128.05	2.893	187.10	2.426	245.10	.491	444.00	.417
80.05	2.259	129.05	20.242	192.00	.495				



>A9370 MSD/A, 50NG DFTPP,
436 NRM BIG ENH

File: >A9370 Scan #: 436 Retn. time: 9.52

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
38.10	.870	80.00	2.188	128.15	3.558	186.20	11.982	244.25	7.523
39.10	6.335	81.10	3.426	129.05	22.316	187.20	3.161	246.15	1.404
40.00	1.251	82.10	.643	130.05	1.373	193.20	.643	255.15	38.471
50.10	15.716	91.10	.734	135.05	1.416	196.20	2.896	256.15	5.539
51.10	58.302	93.10	5.091	141.05	1.959	198.10	100.000	258.25	1.843
52.10	2.720	98.00	3.609	147.15	.943	199.10	6.035	273.15	.971
56.10	1.410	99.00	2.634	148.05	2.173	204.10	2.457	274.25	2.570
57.10	3.674	101.15	1.525	155.15	.888	205.20	4.581	275.25	15.602
63.10	1.704	104.05	.634	156.15	1.201	206.20	19.484	276.25	1.369
65.10	.620	107.05	13.237	167.15	4.228	207.20	2.345	277.15	1.256
69.00	68.613	108.15	1.629	168.10	1.551	217.10	5.135	296.15	3.714
74.10	4.016	110.15	32.624	175.20	1.300	221.10	5.025	365.20	1.463
75.00	7.138	111.05	4.089	179.10	3.287	223.10	1.112	423.25	1.964
77.10	44.743	117.15	9.999	180.20	2.032	224.20	10.096	441.40	6.465
78.10	2.660	117.95	.553	181.20	.673	225.20	2.278	442.30	42.768
79.10	3.333	127.05	45.036	185.20	1.533	227.10	4.434	443.30	7.535



>A9390 MSD/A, 50NG DFTPP,
423 NRM ENH

File: >A9390 Scan #: 423 Retn. time: 9.44

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
38.00	.573	80.10	2.023	128.15	3.235	196.20	2.901	246.15	.705
39.10	4.574	81.00	2.972	129.05	18.830	198.10	100.000	255.15	38.712
40.00	1.137	83.00	.141	130.05	1.083	199.10	5.910	256.15	5.180
50.00	13.551	92.10	.308	135.15	.785	204.10	2.542	258.15	1.494
51.10	51.540	93.00	4.125	141.05	1.395	205.20	4.238	274.15	2.967
52.10	2.001	98.00	2.962	148.05	1.428	206.20	18.865	275.25	17.134
56.10	1.066	99.10	2.394	156.15	.322	207.20	1.320	276.15	1.315
57.10	2.659	104.95	.153	161.05	.256	217.10	4.597	296.15	3.733
63.10	1.123	107.05	12.934	167.05	3.319	221.00	4.411	323.20	.660
69.00	61.650	108.15	1.268	175.10	.324	223.20	.648	365.20	1.146
74.10	3.540	110.15	31.080	179.10	2.490	224.10	9.784	423.25	1.830
75.10	6.814	111.05	3.397	180.20	.911	225.10	1.567	441.30	8.400
77.10	40.896	117.05	8.595	185.20	.700	227.10	2.654	442.30	61.323
78.00	2.290	123.15	.388	186.20	11.045	244.25	7.503	443.30	10.665
79.10	2.784	127.05	42.886	187.10	1.905	245.15	.493		

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SBLK 01

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: SBLK-QM5895T1

Sample wt/vol: 30.00

[g/mL] G

Lab File ID: >A9372

Level: [low/med] LOW

Date Received:

% Moisture: decanted (Y/N) N

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y

pH: 7.00

CONCENTRATION UNITS:
[ug/L or ug/Kg] UG/KG

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	330IU
111-44-4-----	bis(2-chloroethyl)ether	330IU
95-57-8-----	2-Chlorophenol	330IU
541-73-1-----	1,3-Dichlorobenzene	330IU
106-46-7-----	1,4-Dichlorobenzene	330IU
95-50-1-----	1,2-Dichlorobenzene	330IU
95-48-7-----	2-Methylphenol	330IU
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330IU
106-44-5-----	4-Methylphenol	330IU
621-64-7-----	N-Nitroso-di-n-propylamine	330IU
67-72-1-----	Hexachloroethane	330IU
98-95-3-----	Nitrobenzene	330IU
78-59-1-----	Isophorone	330IU
88-75-5-----	2-Nitrophenol	330IU
105-67-9-----	2,4-Dimethylphenol	330IU
111-91-1-----	bis(2-Chloroethoxy)methane	330IU
120-83-2-----	2,4-Dichlorophenol	330IU
120-82-1-----	1,2,4-Trichlorobenzene	330IU
91-20-3-----	Naphthalene	330IU
106-47-8-----	4-Chloroaniline	330IU
87-68-3-----	Hexachlorobutadiene	330IU
59-50-7-----	4-Chloro-3-methylphenol	330IU
91-57-6-----	2-Methylnaphthalene	330IU
77-47-8-----	Hexachlorocyclopentadiene	330IU
88-06-2-----	2,4,6-Trichlorophenol	330IU
95-95-4-----	2,4,5-Trichlorophenol	830IU
91-58-7-----	2-Chloronaphthalene	330IU
88-74-4-----	2-Nitroaniline	830IU
131-11-3-----	Dimethylphthalate	330IU
208-96-8-----	Acenaphthylene	330IU
606-20-2-----	2,6-Dinitrotoluene	330IU
99-09-2-----	3-Nitroaniline	830IU
83-32-9-----	Acenaphthene	330IU

293

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SBLK 01

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: SBLK-QM5895T1

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9372

Level: [low/med] LOW

Date Received:

% Moisture: decanted (Y/N) N

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 7.00

CONCENTRATION UNITS:

CAS NO.

COMPOUND

[ug/L or ug/Kg] UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	830IU	
100-02-7-----	4-Nitrophenol	830IU	
132-64-9-----	Dibenzofuran	330IU	
121-14-2-----	2,4-Dinitrotoluene	330IU	
84-73-7-----	Diethylphthalate	330IU	
7005-72-3-----	4-Chlorophenyl-phenylether	330IU	
86-73-7-----	Fluorene	330IU	
100-01-6-----	4-Nitroaniline	830IU	
534-52-1-----	4,6-Dinitro-2-methylphenol	830IU	
86-30-6-----	N-Nitrosodiphenylamine (1)	330IU	
101-55-3-----	4-Bromophenyl-phenylether	330IU	
118-74-1-----	Hexachlorobenzene	330IU	
87-86-5-----	Pentachlorophenol	830IU	
85-01-8-----	Phenanthrene	330IU	
120-12-7-----	Anthracene	330IU	
86-74-8-----	Carbazole	330IU	
84-74-2-----	Di-n-butylphthalate	330IU	
206-44-0-----	Fluoranthene	330IU	
129-00-0-----	Pyrene	330IU	
85-68-7-----	Butylbenzylphthalate	330IU	
91-94-1-----	3,3'-Dichlorobenzidine	330IU	
56-55-3-----	Benzo(a)anthracene	330IU	
218-01-9-----	Chrysene	330IU	
117-81-7-----	bis(2-Ethylhexyl)phthalate	330IU	
117-84-0-----	Di-n-octylphthalate	330IU	
205-99-2-----	Benzo(b)fluoranthene	330IU	
207-08-9-----	Benzo(k)fluoranthene	330IU	
50-32-8-----	Benzo(a)pyrene	330IU	
193-39-5-----	Indeno(1,2,3-cd)pyrene	330IU	
53-70-3-----	Dibenz(a,h)anthracene	330IU	
191-24-2-----	Benzo(g,h,i)perylene	330IU	

NYSDEC SAMPLE NO.

SELK 01

Contract:

SDG No.: 316601

Lab Sample ID: SBLK-QM5895T1

Lab File ID: >A9372

Date Received:

Date Extracted: 03/16/94

Date Analyzed: 03/28/94

Dilution Factor: 1

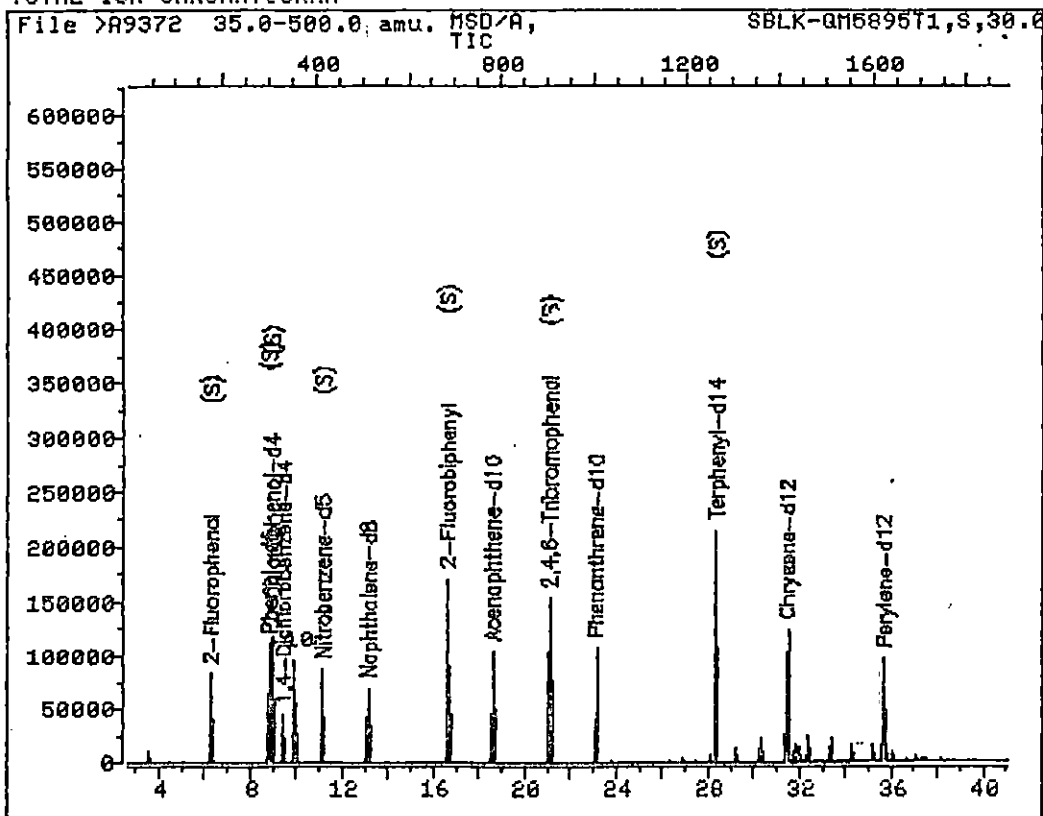
pH: 7.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

[illegible]

TOTAL ION CHROMATOGRAM



Data File: >A9372::A2

Quant Output File: ^A9372::QT

Name: MSD/A,

Instrument ID: A

Misc: SBLK-QM5895T1,S,30.0,0.5,1,SBLK 01,

BTL# 3

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Operator ID: BNA3

Quant Time: 940328 17:10

Injected at: 940328 16:28

QUANT REPORT

Page 1

Operator ID: BNA3
Output File: ^A9372::QT
Data File: >A9372::A2

Quant Rev: 7 Quant Time: 940328 17:10
 Injected at: 940328 16:28
Dilution Factor: 1.00000
Instrument ID: A

Name: MSD/A,
Misc: SBLK-QM5895T1,S,30.0,0.5,1,SBLK 01,

BTL# 3

ID File: IDAB90::EX
Title: CLP SEMI-VOLATILE ID FILE
Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *1,4-Dichlorobenzene-d4	9.39	152.0	15070	40.00	NG	97
2) 2-Fluorophenol (S)	6.22	112.0	49097	108.05	NG	92
3) Phenol-d5 (S)	8.78	99.0	85681	118.70	NG	99
5) 2-Chlorophenol-d4 (S)	8.88	132.0	65504	108.29	NG	86
10) 1,2-Dichlorobenzene-d4 (S)	9.89	152.0	33385	81.88	NG	91
17) *Naphthalene-d8	13.08	136.0	69770	40.00	NG	92
18) Nitrobenzene-d5 (S)	11.07	82.0	69404	93.64	NG	90
31) *Acenaphthene-d10	18.52	164.0	56064	40.00	NG	92
36) 2-Fluorobiphenyl (S)	16.56	172.0	143431	80.23	NG	96
51) 2,4,6-Tribromophenol (S)	21.04	330.0	47453	135.58	NG	95
52) *Phenanthrene-d10	23.08	188.0	112064	40.00	NG	98
63) *Chrysene-d12	31.45	240.0	135502	40.00	NG	90
65) Terphenyl-d14 (S)	28.30	244.0	258031	90.32	NG	85
71) *Perylene-d12	35.63	264.0	104463	40.00	NG	96

* Compound is ISTD

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SBLK MS

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: SBLK-QM5895MS

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9373

Level: [low/med] LOW

Date Received:

% Moisture: 0.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 7.00

CONCENTRATION UNITS:
[ug/L or ug/Kg] UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	2200	
111-44-4-----	bis(2-chloroethyl)ether	330IU	
95-57-8-----	2-Chlorophenol	2200	
541-73-1-----	1,3-Dichlorobenzene	330IU	
106-46-7-----	1,4-Dichlorobenzene	1500	
95-50-1-----	1,2-Dichlorobenzene	330IU	
95-48-7-----	2-Methylphenol	330IU	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330IU	
106-44-5-----	4-Methylphenol	330IU	
621-64-7-----	N-Nitroso-di-n-propylamine	1900	
67-72-1-----	Hexachloroethane	330IU	
98-95-3-----	Nitrobenzene	330IU	
78-59-1-----	Isophorone	330IU	
88-75-5-----	2-Nitrophenol	330IU	
105-67-9-----	2,4-Dimethylphenol	330IU	
111-91-1-----	bis(2-Chloroethoxy)methane	330IU	
120-83-2-----	2,4-Dichlorophenol	330IU	
120-82-1-----	1,2,4-Trichlorobenzene	1600	
91-20-3-----	Naphthalene	330IU	
106-47-8-----	4-Chloroaniline	330IU	
87-68-3-----	Hexachlorobutadiene	330IU	
59-50-7-----	4-Chloro-3-methylphenol	2300	
91-57-6-----	2-Methylnaphthalene	330IU	
77-47-8-----	Hexachlorocyclopentadiene	330IU	
88-06-2-----	2,4,6-Trichlorophenol	330IU	
95-95-4-----	2,4,5-Trichlorophenol	830IU	
91-58-7-----	2-Chloronaphthalene	330IU	
88-74-4-----	2-Nitroaniline	830IU	
131-11-3-----	Dimethylphthalate	330IU	
208-96-8-----	Acenaphthylene	330IU	
606-20-2-----	2,6-Dinitrotoluene	330IU	
99-09-2-----	3-Nitroaniline	830IU	
83-32-9-----	Acenaphthene	1500	

298

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SBLK MS

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: SBLK-QM5895MS

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9373

Level: [low/med] LOW

Date Received:

% Moisture: 0.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 7.00

CONCENTRATION UNITS:
[ug/L or ug/Kg] UG/KG

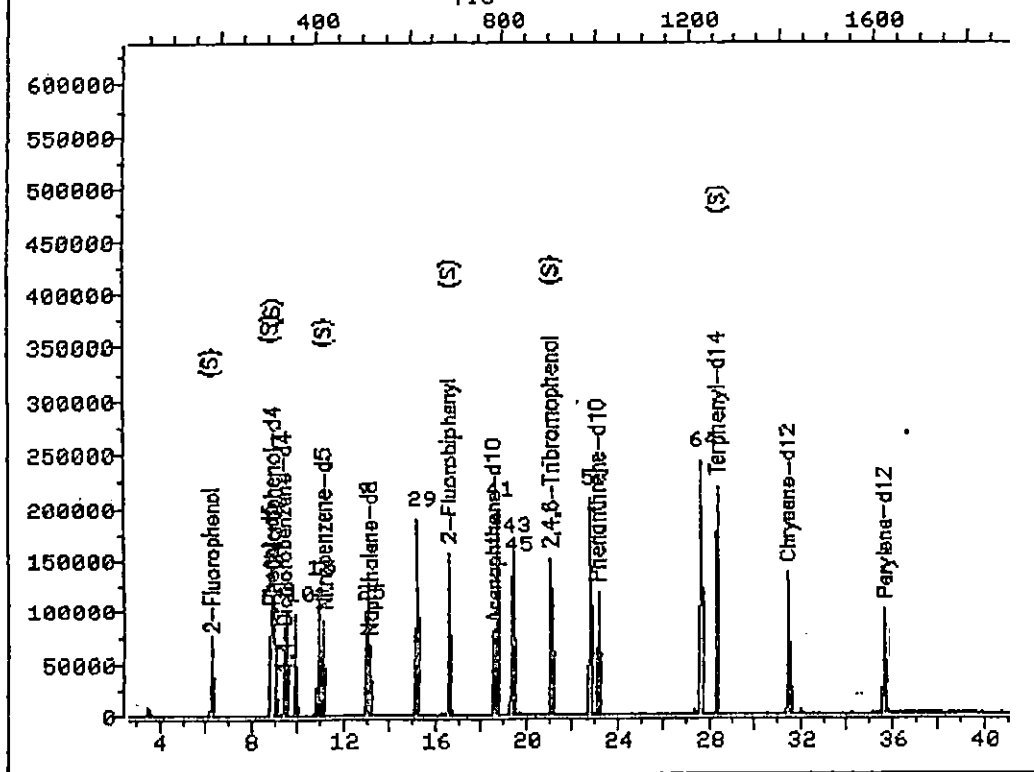
Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	830IU	
100-02-7-----	4-Nitrophenol	2800	E
132-64-9-----	Dibenzofuran	330IU	
121-14-2-----	2,4-Dinitrotoluene	1800	
84-73-7-----	Diethylphthalate	330IU	
7005-72-3-----	4-Chlorophenyl-phenylether	330IU	
86-73-7-----	Fluorene	330IU	
100-01-6-----	4-Nitroaniline	830IU	
534-52-1-----	4,6-Dinitro-2-methylphenol	830IU	
86-30-6-----	N-Nitrosodiphenylamine (1)	330IU	
101-55-3-----	4-Bromophenyl-phenylether	330IU	
118-74-1-----	Hexachlorobenzene	330IU	
87-86-5-----	Pentachlorophenol	2500	
85-01-8-----	Phenanthrene	330IU	
120-12-7-----	Anthracene	330IU	
86-74-8-----	Carbazole	330IU	
84-74-2-----	Di-n-butylphthalate	330IU	
206-44-0-----	Fluoranthene	330IU	
129-00-0-----	Pyrene	1500	
85-68-7-----	Butylbenzylphthalate	330IU	
91-94-1-----	3,3'-Dichlorobenzidine	330IU	
56-55-3-----	Benzo(a)anthracene	330IU	
218-01-9-----	Chrysene	330IU	
117-81-7-----	bis(2-Ethylhexyl)phthalate	330IU	
117-84-0-----	Di-n-octylphthalate	330IU	
205-99-2-----	Benzo(b)fluoranthene	330IU	
207-08-9-----	Benzo(k)fluoranthene	330IU	
50-32-8-----	Benzo(a)pyrene	330IU	
193-39-5-----	Indeno(1,2,3-cd)pyrene	330IU	
53-70-3-----	Dibenz(a,h)anthracene	330IU	
191-24-2-----	Benzo(g,h,i)perylene	330IU	

TOTAL ION CHROMATOGRAM

File >A9373 35.0-500.0: amu. MSD/A, SBLK-QM5895MS,S,30.0

TIC



Data File: >A9373::A2

Quant Output File: ^A9373::QT

Name: MSD/A,

Instrument ID: A

Misc: SBLK-QM5895MS,S,30.00,0.5,1,SBLK MS,

BTL# 4

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Operator ID: BNA3

Quant Time : 940328 18:04

Injected at: 940328 17:22

QUANT REPORT

Page 1

Operator ID: BNA3
 Output File: ^A9373::QT
 Data File: >A9373::A2
 Name: MSD/A,
 Misc: SBLK-QM5895MS,S,30.00,0.5,1,SBLK MS,

Quant Rev: 7 Quant Time: 940328 18:04
 Injected at: 940328 17:22
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 4

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

	Compound	R.T.	Q ion.	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	9.37	152.0	13357	40.00	NG	96
2)	2-Fluorophenol (S)	6.20	112.0	45985	114.18	NG	94
3)	Phenol-d5 (S)	8.78	99.0	81633	127.60	NG	97
4)	Phenol	8.82	94.0	82393	134.78	NG	85
5)	2-Chlorophenol-d4 (S)	8.88	132.0	64909	121.06	NG	85
7)	2-Chlorophenol	8.92	128.0	66038	133.62	NG	98
9)	1,4-Dichlorobenzene	9.43	146.0	50932	87.88	NG	98
10)	1,2-Dichlorobenzene-d4 (S)	9.90	152.0	33067	91.50	NG	92
15)	N-Nitroso-di-n-propylamine	10.83	70.0	58928	114.03	NG	88
17)	*Naphthalene-d8	13.09	136.0	67875	40.00	NG	88
18)	Nitrobenzene-d5 (S)	11.08	82.0	69323	96.14	NG	89
25)	1,2,4-Trichlorobenzene	12.99	180.0	58141	93.89	NG	95
29)	4-Chloro-3-methylphenol	15.14	107.0	106960	135.92	NG	90
31)	*Acenaphthene-d10	18.51	164.0	55382	40.00	NG	91
36)	2-Fluorobiphenyl (S)	16.56	172.0	145545	82.42	NG	93
41)	Acenaphthene	18.64	153.0	150928	88.12	NG	96
43)	4-Nitrophenol	19.35	109.0	58826	169.67	NG	85
45)	2,4-Dinitrotoluene	19.43	165.0	98119	105.63	NG	96
51)	2,4,6-Tribromophenol (S)	21.04	330.0	48388	139.95	NG	94
52)	*Phenanthrene-d10	23.09	188.0	112353	40.00	NG	97
57)	Pentachlorophenol	22.80	266.0	82410	147.31	NG	94
63)	*Chrysene-d12	31.44	240.0	146574	40.00	NG	95
64)	Pyrene	27.60	202.0	446585	92.56	NG	96
65)	Terphenyl-d14 (S)	28.29	244.0	277323	89.74	NG	85
71)	*Perylene-d12	35.62	264.0	109437	40.00	NG	96

* Compound is ISTD

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 40 MS

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-01MS

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9375

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 7.21

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

108-95-2-----	Phenol	5600	E
111-44-4-----	bis(2-chloroethyl)ether	340IU	
95-57-8-----	2-Chlorophenol	4600	E
541-73-1-----	1,3-Dichlorobenzene	340IU	
106-46-7-----	1,4-Dichlorobenzene	2800	E
95-50-1-----	1,2-Dichlorobenzene	340IU	
95-48-7-----	2-Methylphenol	340IU	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	340IU	
106-44-5-----	4-Methylphenol	340IU	
621-64-7-----	N-Nitroso-di-n-propylamine	4300	E
67-72-1-----	Hexachloroethane	340IU	
98-95-3-----	Nitrobenzene	340IU	
78-59-1-----	Isophorone	340IU	
88-75-5-----	2-Nitrophenol	340IU	
105-67-9-----	2,4-Dimethylphenol	340IU	
111-91-1-----	bis(2-Chloroethoxy)methane	340IU	
120-83-2-----	2,4-Dichlorophenol	340IU	
120-82-1-----	1,2,4-Trichlorobenzene	3100	E
91-20-3-----	Naphthalene	340IU	
106-47-8-----	4-Chloroaniline	340IU	
87-68-3-----	Hexachlorobutadiene	340IU	
59-50-7-----	4-Chloro-3-methylphenol	4600	E
91-57-6-----	2-Methylnaphthalene	340IU	
77-47-8-----	Hexachlorocyclopentadiene	340IU	
88-06-2-----	2,4,6-Trichlorophenol	340IU	
95-95-4-----	2,4,5-Trichlorophenol	860IU	
91-58-7-----	2-Chloronaphthalene	340IU	
88-74-4-----	2-Nitroaniline	860IU	
131-11-3-----	Dimethylphthalate	340IU	
208-96-8-----	Acenaphthylene	340IU	
606-20-2-----	2,6-Dinitrotoluene	340IU	
99-09-2-----	3-Nitroaniline	860IU	
83-32-9-----	Acenaphthene	2800	E

302

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 40 MS

Lab Name: LRI

Contract:

Lab Code: LRI

Case No.: 03166

SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-01MS

Sample wt/vol: 30.00

[g/mL] G

Lab File ID: >A9375

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y

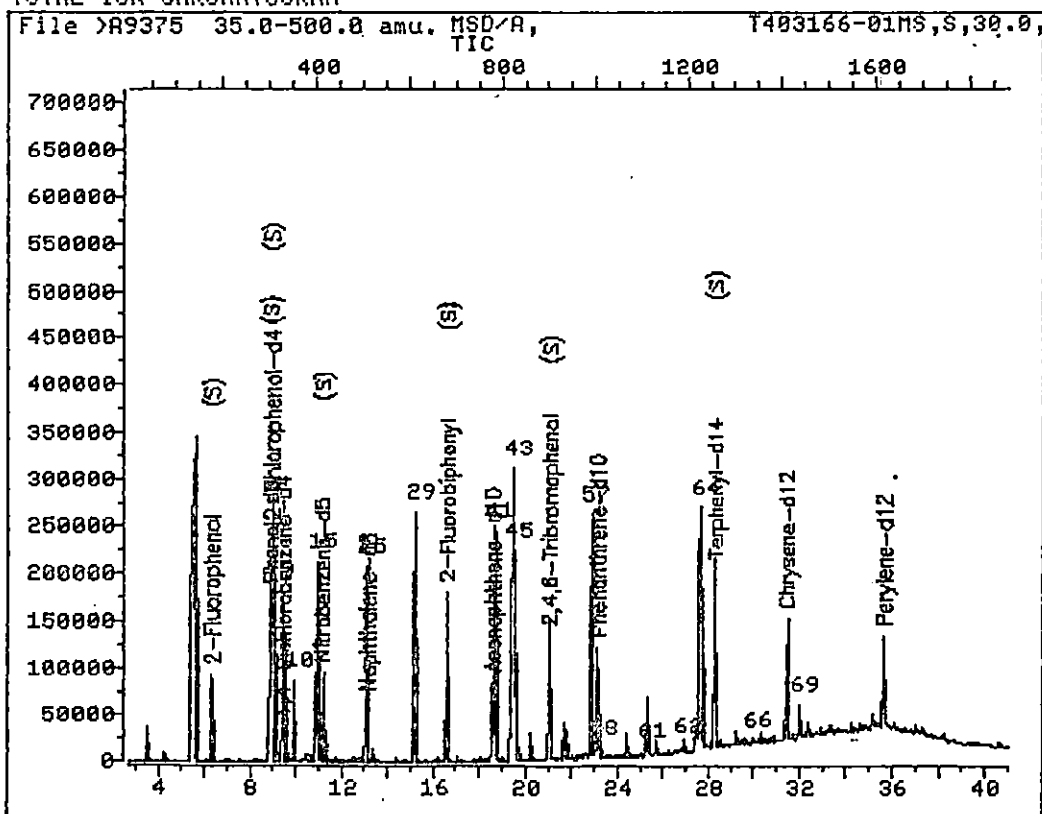
pH: 7.21

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

51-28-5-----	2,4-Dinitrophenol	860IU	
100-02-7-----	4-Nitrophenol	6600	EI
132-64-9-----	Dibenzofuran	340IU	
121-14-2-----	2,4-Dinitrotoluene	3400	EI
84-73-7-----	Diethylphthalate	340IU	
7005-72-3-----	4-Chlorophenyl-phenylether	340IU	
86-73-7-----	Fluorene	340IU	
100-01-6-----	4-Nitroaniline	860IU	
534-52-1-----	4,6-Dinitro-2-methylphenol	860IU	
86-30-6-----	N-Nitrosodiphenylamine (1)	340IU	
101-55-3-----	4-Bromophenyl-phenylether	340IU	
118-74-1-----	Hexachlorobenzene	340IU	
87-86-5-----	Pentachlorophenol	5900	EI
85-01-8-----	Phenanthrene	12	J
120-12-7-----	Anthracene	340IU	
86-74-8-----	Carbazole	340IU	
84-74-2-----	Di-n-butylphthalate	12	J
206-44-0-----	Fluoranthene	22	J
129-00-0-----	Pyrene	2900	EI
85-68-7-----	Butylbenzylphthalate	8	J
91-94-1-----	3,3'-Dichlorobenzidine	340IU	
56-55-3-----	Benzo(a)anthracene	340IU	
218-01-9-----	Chrysene	340IU	
117-81-7-----	bis(2-Ethylhexyl)phthalate	71	J
117-84-0-----	Di-n-octylphthalate	340IU	
205-99-2-----	Benzo(b)fluoranthene	340IU	
207-08-9-----	Benzo(k)fluoranthene	340IU	
50-32-8-----	Benzo(a)pyrene	340IU	
193-39-5-----	Indeno(1,2,3-cd)pyrene	340IU	
53-70-3-----	Dibenz(a,h)anthracene	340IU	
191-24-2-----	Benzo(g,h,i)perylene	340IU	

TOTAL ION CHROMATOGRAM



Data File: >A9375::A2

Quant Output File: ^A9375::QT

Name: MSD/A,

Instrument ID: A

Misc: T403166-01MS,S,30.0,0.5,1,SPI 40 MS,

BTL# 6

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Operator ID: BNA3

Quant Time : 940328 19:50

Injected at: 940328 19:08

QUANT REPORT

Page 1

Operator ID: BNA3 Quant Rev: 7 Quant Time: 940328 19:50
 Output File: ^A9375::QT Injected at: 940328 19:08
 Data File: >A9375::A2 Dilution Factor: 1.00000
 Name: MSD/A, Instrument ID: A
 Misc: T403166-01MS,S,30.0,0.5,1,SPI 40 MS, BTL# 6

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qual Time: 940328 15:34

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	9.38	152.0	15721	40.00	NG	87
2)	2-Fluorophenol (S)	6.27	112.0	58365	123.13	NG	94
3)	Phenol-d5 (S)	8.86	99.0	84519	112.25	NG	90
4)	Phenol	8.92	94.0	235015	326.62	NG	91
5)	2-Chlorophenol-d4 (S)	8.90	132.0	45093	71.46	NG	80
7)	2-Chlorophenol	8.98	128.0	154462	265.53	NG	97
9)	1,4-Dichlorobenzene	9.45	146.0	112891	165.49	NG	97
10)	1,2-Dichlorobenzene-d4 (S)	9.89	152.0	34144	80.27	NG	93
15)	N-Nitroso-di-n-propylamine	10.89	70.0	153460	252.30	NG	82
17)	*Naphthalene-d8	13.09	136.0	76655	40.00	NG	84
18)	Nitrobenzene-d5 (S)	11.09	82.0	70229	86.24	NG	87
25)	1,2,4-Trichlorobenzene	13.03	180.0	126102	180.31	NG	92
29)	4-Chloro-3-methylphenol	15.18	107.0	238615	268.50	NG	80
31)	*Acenaphthene-d10	18.53	164.0	61933	40.00	NG	95
36)	2-Fluorobiphenyl (S)	16.56	172.0	153714	77.84	NG	95
41)	Acenaphthene	18.67	153.0	306997	160.28	NG	93
43)	4-Nitrophenol	19.45	109.0	148921	384.10	NG	89
45)	2,4-Dinitrotoluene	19.51	165.0	208022	200.26	NG	87
51)	2,4,6-Tribromophenol (S)	21.03	330.0	54030	139.74	NG	96
52)	*Phenanthrene-d10	23.11	188.0	120144	40.00	NG	99
57)	Pentachlorophenol	22.84	266.0	204731	342.24	NG	95
58)	Phenanthrene	23.17	178.0	2644	.684	NG	91
61)	Di-n-butylphthalate	25.37	149.0	4224	.684	NG	95
62)	Fluoranthene	26.87	202.0	5635	1.27	NG	91
63)	*Chrysene-d12	31.44	240.0	152198	40.00	NG	97
64)	Pyrene	27.63	202.0	854730	170.61	NG	97
65)	Terphenyl-d14 (S)	28.28	244.0	286786	89.38	NG	85
66)	Butylbenzylphthalate	30.01	149.0	1766M	.487	NG	
69)	bis(2-Ethylhexyl)phthalate	31.97	149.0	20371	4.14	NG	86
71)	*Perylene-d12	35.63	264.0	122271	40.00	NG	96

* Compound is ISTD

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 40 MSD

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-01MSD

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9376

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

GPC Cleanup: [Y/N] Y pH: 7.21

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

108-95-2-----	Phenol	4800	E
111-44-4-----	bis(2-chloroethyl)ether	340IU	
95-57-8-----	2-Chlorophenol	4300	E
541-73-1-----	1,3-Dichlorobenzene	340IU	
106-46-7-----	1,4-Dichlorobenzene	2300	
95-50-1-----	1,2-Dichlorobenzene	340IU	
95-48-7-----	2-Methylphenol	340IU	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	340IU	
106-44-5-----	4-Methylphenol	340IU	
621-64-7-----	N-Nitroso-di-n-propylamine	4100	E
67-72-1-----	Hexachloroethane	340IU	
98-95-3-----	Nitrobenzene	340IU	
78-59-1-----	Isophorone	340IU	
88-75-5-----	2-Nitrophenol	340IU	
105-67-9-----	2,4-Dimethylphenol	340IU	
111-91-1-----	bis(2-Chloroethoxy)methane	340IU	
120-83-2-----	2,4-Dichlorophenol	340IU	
120-82-1-----	1,2,4-Trichlorobenzene	3100	E
91-20-3-----	Naphthalene	340IU	
106-47-8-----	4-Chloroaniline	340IU	
87-68-3-----	Hexachlorobutadiene	340IU	
59-50-7-----	4-Chloro-3-methylphenol	4200	E
91-57-6-----	2-Methylnaphthalene	340IU	
77-47-8-----	Hexachlorocyclopentadiene	340IU	
88-06-2-----	2,4,6-Trichlorophenol	340IU	
95-95-4-----	2,4,5-Trichlorophenol	860IU	
91-58-7-----	2-Chloronaphthalene	340IU	
88-74-4-----	2-Nitroaniline	860IU	
131-11-3-----	Dimethylphthalate	340IU	
208-96-8-----	Acenaphthylene	340IU	
606-20-2-----	2,6-Dinitrotoluene	340IU	
99-09-2-----	3-Nitroaniline	860IU	
83-32-9-----	Acenaphthene	2700	

306

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SP1 40 MSD

Lab Name: LRI

Contract:

Lab Code: LRI Case No.: 03166 SAS No.:

SDG No.: 316601

Matrix: [soil/water] SOIL

Lab Sample ID: T403166-01MSD

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >A9376

Level: [low/med] LOW

Date Received: 03/14/94

% Moisture: 3.0 decanted (Y/N)

Date Extracted: 03/16/94

Concentrated Extract Volume: 500 uL

Date Analyzed: 03/28/94

Injection Volume: 2 uL

Dilution Factor: 1

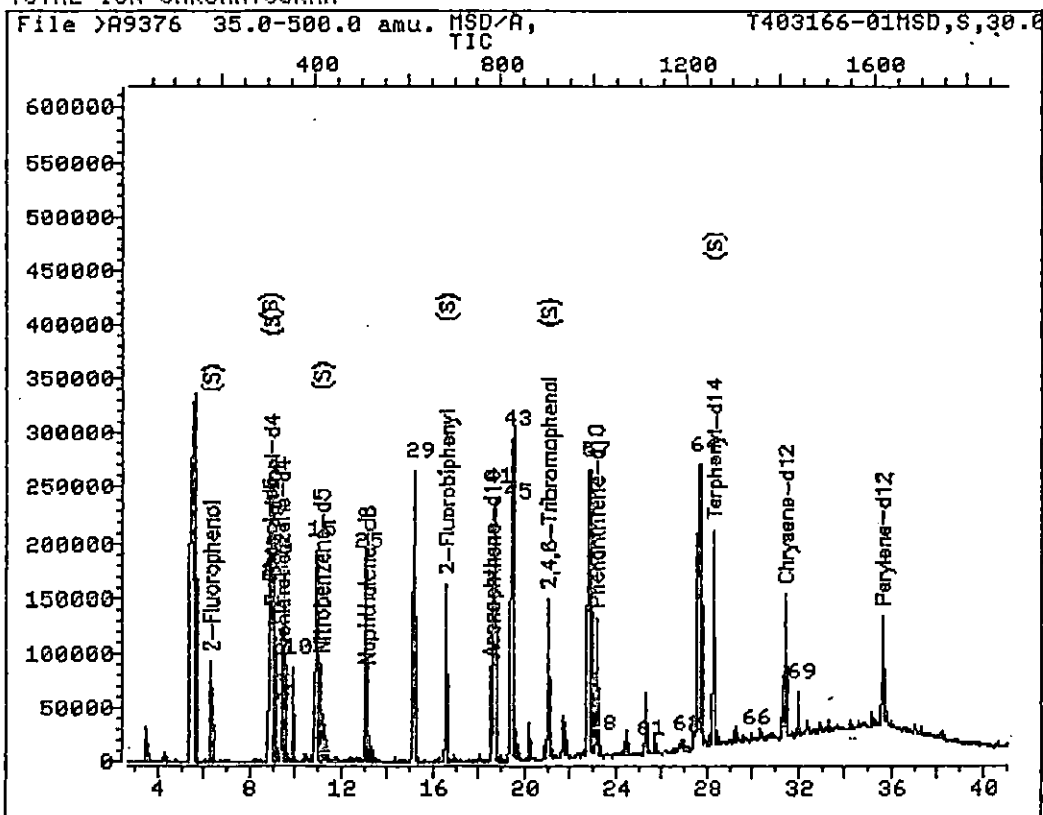
GPC Cleanup: [Y/N] Y pH: 7.21

CONCENTRATION UNITS:
[ug/L or ug/Kg] UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	860IU	
100-02-7-----	4-Nitrophenol	6600	E
132-64-9-----	Dibenzofuran	340IU	
121-14-2-----	2,4-Dinitrotoluene	3500	E
84-73-7-----	Diethylphthalate	340IU	
7005-72-3-----	4-Chlorophenyl-phenylether	340IU	
86-73-7-----	Fluorene	340IU	
100-01-6-----	4-Nitroaniline	860IU	
534-52-1-----	4,6-Dinitro-2-methylphenol	860IU	
86-30-6-----	N-Nitrosodiphenylamine (1)	340IU	
101-55-3-----	4-Bromophenyl-phenylether	340IU	
118-74-1-----	Hexachlorobenzene	340IU	
87-86-5-----	Pentachlorophenol	6200	E
85-01-8-----	Phenanthrene	12	J
120-12-7-----	Anthracene	340IU	
86-74-8-----	Carbazole	340IU	
84-74-2-----	Di-n-butylphthalate	11	J
206-44-0-----	Fluoranthene	21	J
129-00-0-----	Pyrene	2900	E
85-68-7-----	Butylbenzylphthalate	10	J
91-94-1-----	3,3'-Dichlorobenzidine	340IU	
56-55-3-----	Benzo(a)anthracene	340IU	
218-01-9-----	Chrysene	340IU	
117-81-7-----	bis(2-Ethylhexyl)phthalate	79	J
117-84-0-----	Di-n-octylphthalate	340IU	
205-99-2-----	Benzo(b)fluoranthene	340IU	
207-08-9-----	Benzo(k)fluoranthene	340IU	
50-32-8-----	Benzo(a)pyrene	340IU	
193-39-5-----	Indeno(1,2,3-cd)pyrene	340IU	
53-70-3-----	Dibenz(a,h)anthracene	340IU	
191-24-2-----	Benzo(g,h,i)perylene	340IU	

TOTAL ION CHROMATOGRAM



Data File: >A9376::A2

Quant Output File: ^A9376::QT

Name: MSD/A,

Instrument ID: A

Misc: T403166-01MSD,S,30.0,0.5,1,SPI 40 MSD,

BTL# 7

Id File: IDAB90::EX

Title: CLP SEMI-VOLATILE ID FILE

Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

Operator ID: BNA3

Quant Time : 940328 20:43

Injected at: 940328 20:02

QUANT REPORT

Page 1

Operator ID: BNA3
 Output File: ^A9376::QT
 Data File: >A9376::A2
 Name: MSD/A,
 Misc: T403166-01MSD,S,30.0,0.5,1,SPI 40 MSD,

Quant Rev: 7 Quant Time: 940328 20:43
 Injected at: 940328 20:02
 Dilution Factor: 1.00000
 Instrument ID: A
 BTL# 7

ID File: IDAB90::EX
 Title: CLP SEMI-VOLATILE ID FILE
 Last Calibration: 940311 08:27

Last Qcal Time: 940328 15:34

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	9.39	152.0	16600	40.00	NG	95
2)	2-Fluorophenol (S)	6.26	112.0	50930	101.76	NG	96
3)	Phenol-d5 (S)	8.84	99.0	76116	95.73	NG	92
4)	Phenol	8.90	94.0	210574	277.16	NG	95
5)	2-Chlorophenol-d4 (S)	8.92	132.0	43049	64.61	NG	85
7)	2-Chlorophenol	8.96	128.0	153342	249.65	NG	98
9)	1,4-Dichlorobenzene	9.45	146.0	94609	131.35	NG	97
10)	1,2-Dichlorobenzene-d4 (S)	9.90	152.0	27063	60.26	NG	88
15)	N-Nitroso-di-n-propylamine	10.87	70.0	154740	240.94	NG	83
17)	*Naphthalene-d8	13.09	136.0	76744	40.00	NG	85
18)	Nitrobenzene-d5 (S)	11.10	82.0	63822	78.28	NG	87
25)	1,2,4-Trichlorobenzene	13.01	180.0	124402	177.67	NG	92
29)	4-Chloro-3-methylphenol	15.18	107.0	219214	246.38	NG	74
31)	*Acenaphthene-d10	18.53	164.0	63107	40.00	NG	98
36)	2-Fluorobiphenyl (S)	16.56	172.0	145460	72.29	NG	95
41)	Acenaphthene	18.67	153.0	307438	157.53	NG	96
43)	4-Nitrophenol	19.43	109.0	151213	382.75	NG	87
45)	2,4-Dinitrotoluene	19.51	165.0	213459	201.67	NG	93
51)	2,4,6-Tribromophenol (S)	21.03	330.0	51188	129.93	NG	87
52)	*Phenanthrene-d10	23.11	188.0	123896	40.00	NG	99
57)	Pentachlorophenol	22.87	266.0	224066	363.22	NG	98
58)	Phenanthrene	23.17	178.0	2708	.679	NG	96
61)	Di-n-butylphthalate	25.37	149.0	4001	.628	NG	94
62)	Fluoranthene	26.88	202.0	5490	1.20	NG	98
63)	*Chrysene-d12	31.44	240.0	157254	40.00	NG	97
64)	Pyrene	27.63	202.0	872263M	168.52	NG	
65)	Terphenyl-d14 (S)	28.28	244.0	291481	87.92	NG	85
66)	Butylbenzylphthalate	30.02	149.0	2229M	.595	NG	
69)	bis(2-Ethylhexyl)phthalate	31.97	149.0	23387	4.60	NG	89
71)	*Perylene-d12	35.63	264.0	128960	40.00	NG	95

* Compound is ISTD

CASE NO: QM 5895-

SUPERVISOR: William [Signature]

Date	Sample	Dish	Dish	G. Before	G. After	%	%
	I S	#	wt.	103°C	103°C	% T.S.	%
16/94	3-165-1	13	1.3155	11.4628	9.9381	85.0	15.4
RG.	1	8	1.3161	11.4970	9.7698	83.0	11.1
	3-166-1	14	1.3523	11.6741	11.3226	96.6	3.4
	2	32	1.3439	11.5302	11.2159		
	3-167-1	12	1.2911	11.5681	11.1423		
	2	19	1.3159	11.5567	10.9583		
	3	16E	1.3242	11.5858	11.1836		
	3-173-1	5d	1.2964	11.3615	10.9496		
	3-176-1	0	1.3051	11.9113	10.0473		
	2	20F	1.3220	11.7880	9.8529		
	3	59	1.3102	11.8264	9.9804		
	4	3	1.3186	11.7374	10.0024		
	3-177-1	15E	1.3292	11.8485	9.4032		
	2	3d	1.3092	11.5037	8.7665		
	3	19	1.3139	11.8083	9.4621		
	4	B13	1.3656	11.7775	9.6788		
	3-178-1	5c	1.3508	11.5869	10.1128		
UP <	3-179-1	23	1.3638	11.6547	10.5587	89.3	10.7
	1	11	1.3057	11.6340	10.3065	87.1	12.9
	2	3F	1.3397	11.8684	10.5837		
	3	22	1.3271	11.8556	10.7070		
	4	C	1.3083	11.6628	10.6614		
	5	1	1.3430	11.5874	9.8254		
	6	135	1.3503	11.8155	10.4416		

Continued on Page

moisture

Notebook No. _____

Continued From Page _____

JECT

Date	Sample I	Dish II	Dish wt.	G. Before 103°C	G. After 103°C	% T.S.	% M
12/94	3-165-1	13	1.3155	11.4628	9.9381	85.0	15.0
G.	1	8	1.3161	11.4970	9.7698	83.0	17.0
	3-166-1	14	1.3523	11.6741	11.3226	96.6	3.4
	2	32	1.3439	11.5302	11.2159		
	3-167-1	12	1.2911	11.5681	11.1423		
	2	19	1.3159	11.5567	10.9583		
	3	16E	1.3242	11.5658	11.1836		
	3-173-1	5d	1.2964	11.3615	10.8496		
	3-176-1	0	1.3051	11.9113	10.0473		
	2	20F	1.3220	11.7880	9.8529		
	3	5g	1.3102	11.8264	9.9804		
	4	3	1.3186	11.7374	10.0024		
	3-177-1	15E	1.3292	11.8485	9.4032		
	2	3d	1.3092	11.5037	8.7665		
	3	19	1.3139	11.8083	9.4621		
	4	B13	1.3656	11.7775	9.6788		
	3-178-1	5c	1.3508	11.5869	10.1128		
	3-179-1	23	1.3638	11.6547	10.5587	89.3	10.7
	1	11	1.3057	11.6340	10.3065	87.1	12.9
	2	3F	1.3397	11.8684	10.5837		
	3	22	1.3271	11.8556	10.7070		
	4	C	1.3083	11.6628	10.6614		
	5	1	1.3430	11.5874	9.8254		
	6	134	1.3503	11.8155	10.4416		

Continued on Page _____

Read and Understood By

311

ECT

Moisture

Continued From Page _____

Date	Sample ID	Dish #	Dish wt.	G. Before 103°C	G. After 103°C	%	B
17/94	BLANK.	BL	1.3386	1.3386	1.3385		
RG.						%TS	%*
1/18/94	3-166-1	35	1.3492	11.6720	11.2963	96.9	3.1
	3-201-1	28	1.3199	11.8697	10.1164		
	2	29	1.3363	11.9308	10.2827		
	3	16	1.3228	11.9193	10.0967		
	4	2	1.3140	11.9850	10.2946		
	5	1	1.3432	11.9519	10.4188		
5/18/94	BLANK.	BL	1.3385	1.3385			
RG.	3-196-1						
	2						
	3						
	3-197-1						
	2						
	3	20F	1.3224	11.7390			
	4	59	1.3089	11.6924			
Sup <	4	22	1.3268	11.7317			
	3-199-1	15E	1.3295	11.5035			
	2	19	1.3156	11.5564			
	3						
	3-200-4						
	3-203-1						
	2						
	3-210-1						
	3-209-1						

Continued on Page

312

[illegible]

COMMENTS

NO FILES FOR 8240 (1005)

FORMS

[illegible][illegible]

LRI GC-MS ANALYSIS LOG

DATE (START) 3-14-94 END
TEST
QA/QC TYPE 8240 ASP
GC-MS B UL INJ
TUNE FILE MTB001
SEQUENCE FILE
METHOD FILE
IO FILE
CB FILE
ANALYSTS
SUPERVISOR
BATCH #
CASE #
TAPE #

[illegible]

COMMENTS

NO 5120 ARE FOR 8240

forms

[illegible]

SAMPLE NUMBER	DATA FILE	UOA AMT	OIL FACT	ALS g	INJ TIME	COMMENTS	SUR	IS	TIC
	BFB	B3247		14	9:50	648 enh-1:1 (-100)			
50) PPB STD	B3248	B3248		15		QUAL			
	Blank	B3249		16					
	Blank	B3250	B3250	9		OK			
T403120-01	B3251			81		OK			HSP
120-01 MS	B3252			82		OK			
MSD	B3253			83		OK			
PRK MS	B3254			4		OK			
T403109-09	B3255			5		OK			
	10 B3256			6		tekmar didn't go			
	10 B3257			6		OK			
	11 B3258			7		OK			
	12 B3259			8		OK			
	13 B3260			9		OK			
T403144-09	B3261			10		OK			
	10 B3262			11		OK			
	11 B3263			12		OK			
T403108-01	B3264		5x	13	21:35	RR			fail
T403154-01	B3265		125x	7		SCREEN (STR)			
145-01	B3266		250x	8		SCREEN (125x)			

[illegible]

CONTENTS

[illegible][illegible]

[illegible]

COMMENTS

[illegible][illegible]

DATE (START) 3/10/94 END _____
TEST _____
QA/QC TYPE _____
GC-MS A UL INJ 2
TUNE FILE MTADDI
SEQUENCE FILE _____
METHOD FILE MEBNAA
ID FILE IDAB90
CB FILE CBAB90
ANALYSTS _____
SUPERVISOR JA
BATCH 43
CASE # _____
TAPE # _____

STANDARD	CONC PPM	LOT NO	LOT VOL
SSTD	80	7076	
	50	7077	
	40	7078	
	25	7079	
	10	7080	
stock (BNA)	100	7075	
DETPP	25	7062	
I.S.	4000		

COMMENTS *X for comm.*

A4, A3

CLIENTS .	JOB #

[illegible]

DATE (START) 3/28/94 END _____
TEST _____
QA/QC TYPE _____
GC-MS A UL INJ 2
TUNE FILE MTA001
SEQUENCE FILE JAI
METHOD FILE MEBNA.A
ID FILE EDAB90
CB FILE CBAB90
ANALYSTS ML
SUPERVISOR _____
BATCH # 3
CASE # _____
TAPE # _____

[illegible]

A2, A3	COMMENTS

CLIENTS.	JOB #

[illegible]

DATE (START) 3/29/90 END _____
TEST _____
QA/QC TYPE _____
GC-MS A UL INJ E
TUNE FILE MTA001
SEQUENCE FILE _____
METHOD FILE MEBNAA
ID FILE 1DAB90
CB FILE 2DAB90
ANALYSTS TR
SUPERVISOR JH
BATCH # 3
CASE # _____
TAPE # _____

[illegible][illegible]

CLIENTS.	JOB #

[illegible]

INSTRUCTIONS: Use 1 form for each 20 samples or aliquot.

**Laboratory Person Breaking Field
Protocol on Sample Shuttle & Accepting
Responsibility for Sample**

Laboratory: Laboratory Resources,
Name: Roseann Morra -

Location: Teterboro
Title: Spl. Mgmt. - Supervisor

Field Sample Seal No. _____

Date Broken

3,181.94

Military Time Seal Broken

14:45

Case No.

Analytical Parameter/Fraction

[illegible]

Date	Time	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
3/16/94	8:15	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	PRINTED NAME MIRIANA WOLFF SIGNATURE <i>Wolff</i>	01. epl
2/16	16:00	PRINTED NAME MIRIANA WOLFF SIGNATURE <i>Wolff</i>	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	ret
2/16	9:00	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	PRINTED NAME Jon Blackmore SIGNATURE <i>Jon Blackmore</i>	1-3 metals prep
3/16		PRINTED NAME Jon Blackmore SIGNATURE <i>Jon Blackmore</i>	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	Returned
2/16	10:00	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	PRINTED NAME P. SMITH SIGNATURE <i>P. Smith</i>	01 GCM Soot
2/16		PRINTED NAME P. SMITH SIGNATURE <i>P. Smith</i>	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	ret
3/16	12:00	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	PRINTED NAME R. Chenovici SIGNATURE <i>R. Chenovici</i>	1-3 % Moisture
3/16		PRINTED NAME R. Chenovici SIGNATURE <i>R. Chenovici</i>	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	ret
		PRINTED NAME MORRA SIGNATURE <i>Morra</i>	PRINTED NAME MORRA SIGNATURE <i>Morra</i>	

INSTRUCTIONS: Use 1 form for each 20 samples or aliquot.

**Laboratory Person Breaking Field
on Sample Shuttle & Accepting
Responsibility for Sample**

Laboratory: Laboratory Resources.
Name: Roseann Morra -

Location: Teterboro
Title: Spl. Mgmt. - Supervisor

Field Sample Seal No.

Date Broken / /

Military Time Seal Broken

Case No.

Analytical Parameter/Fraction

[illegible][illegible]

INTERNAL CHAIN OF CUSTODY

INSTRUCTIONS: Use 1 form for each 20 samples or aliquot.

Laboratory: <u>Laboratory Resources, Location: Ieterboro</u> Name: <u>William J. Timedez</u> Title: <u>Extraction - Supervisor</u>		Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample	
Field Sample Seal No. _____		Date Broken _____ Military Time Seal Broken _____	
Analytical Parameter/Fraction _____		Case No. <u>17403166</u>	

[illegible][illegible]

INTERNAL CHAIN OF CUSTODY

INSTRUCTIONS: Use 1 form for each 20 samples or aliquot.

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample		Laboratory: <u>Laboratory Resources</u> Location: <u>Teterboro</u>	
		Name: <u>William Jimenez</u> Title: <u>Extraction - Supervisor</u>	
Field Sample Seal No.	Date Broken <u>1/1</u>	Military Time Seal Broken	
Case No. <u>T403167</u>	Analytical Parameter/Fraction		

[illegible]

Date	Time	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
3/16/94		PRINTED NAME MIRIANA WOLFF SIGNATURE Wolff	PRINTED NAME MIRIANA WOLFF SIGNATURE Wolff	Extraction of Asp BNA soil fractions
3/28/94	11:30	PRINTED NAME MIRIAM MERLEDES SIGNATURE Miriam Mercedes	PRINTED NAME SOMCHAI TULAPOL SIGNATURE S. Tulapol	Delivered to GC /MS for analysis
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	

327

SAMPLE LOG-IN SHEET

Lab Name: LABORATORY RESOURCES Page 1 of 1

Received By (Print Name): KRISHNA DARGUMATI Log-in Date: 3/15/94

Received By (Signature): Krishna Dargumati

Case Number: _____

Sample Delivery Group No.: _____

SAS Number: _____

CORRESPONDING

EPA
SAMPLE
#

SAMPLE
TAG
#

ASSIGNED
LAB
#

REMARKS:
CONDITION
OF SAMPLE
SHIPMENT, ETC.

REMARKS:

1. Custody Seal(s) Present/Absent*
Intact/Broken

2. Custody Seal Nos.: _____

3. Chain-of-Custody Records Present/Absent*

4. Traffic Reports or Packing List Present/Absent*

5. Airbill Airbill/Sticker
Present/Absent*

6. Airbill No.: _____

7. Sample Tags Present/Absent*

Sample Tag Listed/Not Listed
Numbers on Chain-of-Custody

8. Sample Condition: Intact/Broken*/Leaking

9. Does information on custody records, traffic reports, and sample tags agree? Yes/No*

10. Date Received at Lab: 3/14/94

11. Time Received: 18:03

Sample Transfer

Fraction: _____

Area #: _____

By: _____

On: _____

* Contact SMO and attach record of resolution

Reviewed By: _____

Date: _____

Logbook No.: _____

Logbook Page No.: _____

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name: LABORATORY RESOURCES

Page 1 of 1

Received By (Print Name): KRISHNA DARGUMATI

Log-in Date: 8/15/94

Received By (Signature): Krishna Darg

Case Number: _____

Sample Delivery

Group No.: _____

SAS Number: _____

CORRESPONDING

EPA
SAMPLE
#

SAMPLE
TAG
#

ASSIGNED
LAB
#

REMARKS:
CONDITION
OF SAMPLE
SHIPMENT, ETC.

REMARKS:

1. Custody Seal(s) Present/Absent*
Intact/Broken

2. Custody Seal Nos.: _____

3. Chain-of-Custody
Records Present/Absent*

4. Traffic Reports or
Packing List Present/Absent*

5. Airbill Airbill/Sticker
Present/Absent*

6. Airbill No.: _____

7. Sample Tags Present/Absent*

Sample Tag
Numbers Listed/Not Listed
on Chain-of-
Custody

8. Sample Condition: Intact/Broken*/
Leaking

9. Does information on
custody records, traffic
reports, and sample
tags agree? Yes/No*

10. Date Received at Lab: 3/14/94

11. Time Received: 14:45

Sample Transfer

Fraction: _____

Area #: _____

By: _____

On: _____

* Contact SMO and attach record of resolution

Reviewed By: _____

Date: _____

Logbook No.: _____

Logbook Page No: _____

FORM DC-1

CLIENT: Eikon Planning & Design Corp.

PROJECT: Comm 100 Assoc.

DATE RECEIVED: BOTH WORK ORDERS WERE RECEIVED ON 3-14-94

JOB #: T403166 & T403167 (WATCH HOLDING TIMES)

ORGANICS AND INORGANICS NYASP CLP DATA PACKAGE

LAB ID #	matrix	CLIENT ID #	SAMPLE ID (to be used on forms)
T403166-01	soil	SP1 40-4 2	SP1 40
T403166-02	soil	SP1 45-47	SP1 45
T403166-03	water	FLD BLK 3-14-94	FB-14
T403167-01	soil	P-1	P-1
T403167-02	soil	P-4	P-4
T403167-03	soil	P-3	P-3
T403167-04	water	FLD BLK 3-11-94	FB-11

SAMPLES T403166-03 AND T403167-04 ARE F-BLANK FOR VOA ANALYSIS ONLY.

ONLY PP-METALS TO BE REPORTED ON FORM I , FOR NYASP ANALYSIS.

CASE #: 03166

SDG #: 316601

PLEASE FOLLOW THE METHOD REQUIREMENTS FOR NYASP CLP.

BLANK SPIKE FOR ORGANICS MUST BE ANALYZED FOR NYASP CLP.

PLEASE SUBMIT ALL RAW DATA AND ALSO ALL OTHER LAB PAPER WORK
SUCH AS RUN LOG, INTERNAL C-O-C, EXTRACTION, ETC..

MS/MSD FOR EVERY 20 SAMPLES FOR EACH MATRIX FOR PCB ANALYSIS.